

tree.ID	tree	null_DIC	slow_DIC	asym_DIC	null_post_m	null_post_m
1	Arbour.phy.n	285.190939	283.283079	282.485899	1.38305855	0.01049597
2	Arbour.phy.n	286.303673	284.151797	283.088195	1.40144101	0.01018941
3	Arbour.phy.n	287.414468	284.724501	284.205348	1.43820487	0.00943171
4	Arbour.phy.n	286.029199	283.261635	282.581404	1.37977222	0.01002972
5	Arbour.phy.n	285.888227	283.569941	282.662773	1.37026054	0.00977902
6	Arbour.phy.n	285.942137	283.223919	282.770614	1.41933551	0.01014201
7	Arbour.phy.n	285.753897	283.696769	282.860472	1.33551262	0.01039086
8	Arbour.phy.n	285.776664	283.937823	283.097094	1.36371855	0.01050525
9	Arbour.phy.n	284.552136	282.221273	281.519199	1.37003055	0.01002664
10	Arbour.phy.n	285.598427	283.529815	282.798323	1.36426886	0.01041004
11	Arbour.phy.n	287.012477	284.170853	283.593609	1.40972064	0.00952895
12	Arbour.phy.n	285.99851	283.507832	283.214163	1.41016199	0.00970831
13	Arbour.phy.n	284.664169	282.626327	282.084572	1.34523679	0.01038457
14	Arbour.phy.n	286.029506	283.492778	282.719233	1.38543222	0.00959427
15	Arbour.phy.n	285.533689	283.520159	282.477575	1.38279008	0.01023833
16	Arbour.phy.n	285.377153	283.173612	282.871462	1.33606961	0.01034703
17	Arbour.phy.n	286.011139	283.499988	283.324007	1.38430345	0.00994602
18	Arbour.phy.n	285.995552	283.340541	282.797684	1.3738652	0.01030924
19	Arbour.phy.n	285.241579	283.260486	282.2794	1.38638453	0.00999715
20	Arbour.phy.n	288.343991	285.518726	284.977056	1.44835448	0.00926046
21	Arbour.phy.n	285.261109	283.655697	282.839473	1.32016418	0.01045799
22	Arbour.phy.n	287.310619	284.837071	283.907981	1.42992368	0.0096163
23	Arbour.phy.n	285.904178	283.097991	283.094906	1.37963848	0.01027281
24	Arbour.phy.n	287.183601	284.641866	284.102627	1.41456465	0.0097526
25	Arbour.phy.n	286.608316	284.061277	283.358383	1.40377214	0.00989642
26	Arbour.phy.n	286.037134	283.06686	282.686086	1.38023409	0.0102093
27	Arbour.phy.n	285.930634	283.079023	282.906898	1.36823924	0.01034483
28	Arbour.phy.n	285.876388	283.365145	283.056468	1.35535283	0.01034187
29	Arbour.phy.n	287.745193	284.922027	284.752168	1.38646699	0.00973772
30	Arbour.phy.n	284.928795	283.150973	282.157472	1.36230584	0.01063879
31	Arbour.phy.n	287.275651	284.258834	284.153873	1.36548481	0.01032164
32	Arbour.phy.n	287.164467	284.375178	283.920737	1.42308735	0.00947212
33	Arbour.phy.n	286.225608	284.135011	283.231957	1.37633107	0.01003335
34	Arbour.phy.n	286.134612	283.413344	282.947846	1.38449125	0.01022178
35	Arbour.phy.n	286.718224	283.63514	283.250577	1.41659147	0.00960913
36	Arbour.phy.n	285.912307	283.093779	282.364617	1.42168976	0.00989722
37	Arbour.phy.n	288.05811	285.105011	284.426918	1.48118931	0.00906798
38	Arbour.phy.n	285.918434	284.127341	283.352182	1.36305104	0.01003915
39	Arbour.phy.n	286.140094	283.918754	283.303246	1.35755946	0.01043423
40	Arbour.phy.n	286.274736	283.074874	282.841354	1.39464132	0.00983992
41	Arbour.phy.n	287.139084	284.344551	284.055093	1.41534277	0.00984263
42	Arbour.phy.n	284.844337	282.755577	282.071379	1.31357892	0.01035093
43	Arbour.phy.n	285.711129	282.61803	282.328655	1.40937261	0.00996612
44	Arbour.phy.n	285.594032	283.29175	282.557425	1.34846271	0.01031793

45	Arbour.phy.n	285.150111	282.161477	282.021068	1.37510441	0.01007109
46	Arbour.phy.n	286.926667	284.738862	284.045399	1.41468205	0.00977842
47	Arbour.phy.n	285.62859	283.416134	282.771248	1.36991926	0.01006319
48	Arbour.phy.n	285.168471	283.006206	282.700214	1.31121138	0.01059715
49	Arbour.phy.n	286.56173	284.424335	283.950295	1.37577575	0.00995637
50	Arbour.phy.n	286.172792	284.22575	283.343719	1.35547184	0.01034758
51	Arbour.phy.n	284.559884	281.801385	281.29517	1.40767447	0.01032732
52	Arbour.phy.n	287.046863	284.194157	283.636624	1.42784271	0.00951296
53	Arbour.phy.n	287.638938	284.526228	284.397759	1.40009492	0.0100188
54	Arbour.phy.n	287.166739	284.461478	283.751793	1.39212972	0.00952234
55	Arbour.phy.n	286.229738	283.815007	283.236589	1.37980783	0.00988363
56	Arbour.phy.n	285.604796	282.844409	282.389991	1.39865194	0.00982725
57	Arbour.phy.n	287.678513	284.522229	284.030349	1.42013469	0.00909125
58	Arbour.phy.n	288.857391	286.13454	285.188535	1.47008969	0.00970916
59	Arbour.phy.n	287.451927	284.384452	284.38001	1.422104	0.0093097
60	Arbour.phy.n	285.186332	283.041855	282.413354	1.36817472	0.01059634
61	Arbour.phy.n	287.684935	284.57594	284.436687	1.44257715	0.00932363
62	Arbour.phy.n	284.96914	282.360106	282.048655	1.3468895	0.01041771
63	Arbour.phy.n	286.933763	284.240175	283.574647	1.39849558	0.01046808
64	Arbour.phy.n	288.647347	285.655799	285.368872	1.43266752	0.00942678
65	Arbour.phy.n	285.43864	282.838091	282.491707	1.32413389	0.01055293
66	Arbour.phy.n	287.848578	285.212234	284.369711	1.41702911	0.01023424
67	Arbour.phy.n	284.121917	282.23543	281.666697	1.32887216	0.01072211
68	Arbour.phy.n	286.189471	283.356229	282.970206	1.36659167	0.01018936
69	Arbour.phy.n	287.018368	284.21569	283.930392	1.41318723	0.00956245
70	Arbour.phy.n	287.135216	284.878003	284.192339	1.43670933	0.00975294
71	Arbour.phy.n	284.824019	283.202438	282.315469	1.31096493	0.0106034
72	Arbour.phy.n	283.580534	281.888203	280.967915	1.33157244	0.01055207
73	Arbour.phy.n	285.349865	283.16299	282.436602	1.33784204	0.01048731
74	Arbour.phy.n	286.074863	283.681981	283.059992	1.39815116	0.01047213
75	Arbour.phy.n	286.989156	284.986163	284.164666	1.37151211	0.00982142
76	Arbour.phy.n	287.212698	284.756739	284.168546	1.41907182	0.01006137
77	Arbour.phy.n	285.640203	283.60063	283.119339	1.35527035	0.01046466
78	Arbour.phy.n	284.588465	283.114	282.076229	1.35431752	0.01018053
79	Arbour.phy.n	284.935804	282.699731	281.812787	1.3942169	0.0100081
80	Arbour.phy.n	286.435113	284.00092	283.450316	1.38981695	0.00964581
81	Arbour.phy.n	287.740105	285.317889	284.695904	1.44039138	0.00910324
82	Arbour.phy.n	284.032609	282.730964	281.431511	1.29945067	0.01086809
83	Arbour.phy.n	286.046467	284.019775	283.381925	1.37060849	0.01037711
84	Arbour.phy.n	286.795212	283.560171	283.507564	1.41982923	0.00971305
85	Arbour.phy.n	287.606268	284.524746	283.918995	1.49046103	0.00951722
86	Arbour.phy.n	285.962125	283.882643	283.128583	1.37451033	0.01009849
87	Arbour.phy.n	286.731013	284.73994	284.129431	1.33711032	0.01031887
88	Arbour.phy.n	286.115084	283.76436	283.348734	1.37490468	0.00993189
89	Arbour.phy.n	287.622086	284.158668	284.031384	1.40172432	0.00987506

90	Arbour.phy.n	285.21974	282.728331	281.85366	1.43489996	0.00992169
91	Arbour.phy.n	288.840514	285.979208	285.23558	1.43665258	0.00954085
92	Arbour.phy.n	286.426956	283.866801	283.462488	1.39936826	0.00998464
93	Arbour.phy.n	283.967797	282.079664	281.546523	1.33125264	0.01060562
94	Arbour.phy.n	285.640259	283.215999	282.301944	1.38371254	0.010024
95	Arbour.phy.n	285.9833	283.610744	282.899383	1.39748658	0.00996467
96	Arbour.phy.n	285.635794	283.689991	283.022535	1.33949547	0.01027165
97	Arbour.phy.n	284.285679	282.077499	281.596137	1.36253496	0.01078048
98	Arbour.phy.n	284.614529	282.359336	281.641327	1.34307305	0.01043034
99	Arbour.phy.n	285.364682	283.52509	282.384268	1.39723596	0.01015921
100	Arbour.phy.n	285.270662	283.38488	282.829839	1.36836507	0.01004664
101	Carballido.ph	442.389452	420.827353	437.730966	1.9608766	0.0033607
102	Carballido.ph	442.278136	418.228828	437.717751	1.94447572	0.00314843
103	Carballido.ph	442.083182	417.928638	436.812147	1.93963118	0.00314846
104	Carballido.ph	442.914708	421.362592	439.936479	1.95956617	0.00271307
105	Carballido.ph	441.73482	419.650865	437.831417	1.92851202	0.00315489
106	Carballido.ph	443.383479	419.247085	437.62942	1.97554323	0.00312552
107	Carballido.ph	443.971852	420.339066	439.75514	1.97194573	0.0030266
108	Carballido.ph	442.597755	419.932178	438.16435	1.95546341	0.00306711
109	Carballido.ph	442.23973	420.853462	438.034324	1.94998042	0.00313385
110	Carballido.ph	441.980592	420.118207	438.394774	1.9334932	0.00307527
111	Carballido.ph	441.582455	420.941555	438.336798	1.92961515	0.00318098
112	Carballido.ph	442.044762	421.255122	437.758833	1.95608556	0.00329149
113	Carballido.ph	442.510591	421.537246	438.872397	1.9375257	0.00294427
114	Carballido.ph	443.144303	418.1522	436.704827	1.97149873	0.0034962
115	Carballido.ph	443.346032	420.498603	439.483264	1.95141108	0.00300248
116	Carballido.ph	441.485525	420.560083	438.89833	1.93774884	0.00286842
117	Carballido.ph	440.164322	419.146797	436.617614	1.92435076	0.00299104
118	Carballido.ph	442.149375	422.05954	438.644057	1.92767201	0.0029357
119	Carballido.ph	440.353932	421.768795	438.233642	1.92134312	0.00278012
120	Carballido.ph	443.076806	421.582466	439.060129	1.95213769	0.00327316
121	Carballido.ph	442.291886	421.166982	437.848261	1.96555556	0.00350732
122	Carballido.ph	442.439671	419.932955	438.893546	1.94180398	0.00288657
123	Carballido.ph	442.298197	420.910591	438.301415	1.97822282	0.00306533
124	Carballido.ph	443.318917	418.342193	438.667856	1.91707566	0.00373512
125	Carballido.ph	442.791406	419.684279	437.97795	1.96839922	0.00316694
126	Carballido.ph	442.237884	422.392035	439.010793	1.93827801	0.00323728
127	Carballido.ph	444.027006	419.40862	438.535147	1.97781671	0.00358523
128	Carballido.ph	442.403847	421.165639	439.00837	1.94155344	0.00298737
129	Carballido.ph	442.223039	418.692659	437.137515	1.97850422	0.00331964
130	Carballido.ph	443.02084	421.124595	437.866314	1.98317548	0.00343663
131	Carballido.ph	440.459109	420.874519	437.940804	1.9144639	0.00312365
132	Carballido.ph	442.559733	418.771078	438.206899	1.91073746	0.00322981
133	Carballido.ph	442.378547	421.961381	438.661422	1.93246379	0.00315067
134	Carballido.ph	441.150063	419.008516	437.292537	1.91585085	0.0031407

135	Carballido.ph	441.808233	420.614836	438.889641	1.9394766	0.00285785
136	Carballido.ph	443.061053	421.774592	439.739323	1.95120185	0.00339994
137	Carballido.ph	443.627269	419.800331	438.997039	1.96423441	0.0031851
138	Carballido.ph	441.739827	421.141738	438.450561	1.95574598	0.00304042
139	Carballido.ph	441.399315	420.042283	438.242804	1.92281976	0.00309829
140	Carballido.ph	443.563787	418.835194	437.845139	1.95827267	0.00350638
141	Carballido.ph	441.404504	417.618132	436.492847	1.96214434	0.00333137
142	Carballido.ph	442.130409	421.649743	438.859139	1.93485225	0.00294781
143	Carballido.ph	442.128704	419.289777	437.163559	1.95962453	0.00345878
144	Carballido.ph	442.218892	418.710297	437.468755	1.94755072	0.00318659
145	Carballido.ph	443.180429	419.590468	438.698582	1.94827543	0.00290177
146	Carballido.ph	442.336372	417.44911	437.125128	1.9430675	0.00344216
147	Carballido.ph	442.901734	419.265952	436.847614	1.98544611	0.00363144
148	Carballido.ph	441.231816	420.823458	437.995886	1.94881437	0.0029389
149	Carballido.ph	443.090276	419.796263	437.705223	1.93782146	0.00348301
150	Carballido.ph	441.019293	421.822927	437.352467	1.91592231	0.00349609
151	Carballido.ph	441.912303	422.327425	438.249271	1.94570027	0.0031848
152	Carballido.ph	442.190122	420.752132	437.596927	1.93110715	0.00361414
153	Carballido.ph	442.77376	422.149613	440.069261	1.92626547	0.00292499
154	Carballido.ph	442.394963	419.492276	436.751424	1.95919671	0.00346521
155	Carballido.ph	442.113689	421.100509	437.904927	1.93377533	0.00336567
156	Carballido.ph	443.089418	421.109152	439.718872	1.96048035	0.00274904
157	Carballido.ph	443.985078	418.99369	437.345502	1.98898193	0.00356312
158	Carballido.ph	442.606663	423.310648	439.331684	1.94753086	0.00302963
159	Carballido.ph	442.625688	419.406345	438.580503	1.96805251	0.00303831
160	Carballido.ph	441.393534	422.653848	439.409496	1.9273787	0.0026664
161	Carballido.ph	442.018779	418.408642	436.332781	1.96664967	0.00325729
162	Carballido.ph	443.395875	420.024866	438.852432	1.9440788	0.00327924
163	Carballido.ph	441.698781	420.638306	439.456047	1.924061	0.00292565
164	Carballido.ph	441.133405	421.646063	437.657123	1.9173446	0.0031532
165	Carballido.ph	442.691942	419.491379	438.457329	1.93112494	0.00327523
166	Carballido.ph	442.418073	419.185156	437.389687	1.9683994	0.00330906
167	Carballido.ph	442.427114	419.82013	439.174248	1.93641611	0.00317259
168	Carballido.ph	442.694492	418.491598	437.814327	1.9484539	0.00327385
169	Carballido.ph	442.413576	420.376487	438.833226	1.94639378	0.00295444
170	Carballido.ph	440.77549	420.578616	437.167921	1.92527035	0.00310453
171	Carballido.ph	440.703745	419.570205	437.102033	1.91144485	0.00313384
172	Carballido.ph	442.921039	419.663874	438.764623	1.96555574	0.00311359
173	Carballido.ph	442.469576	420.926319	439.369545	1.92726665	0.0030084
174	Carballido.ph	440.904177	421.577669	437.220987	1.92020928	0.00317175
175	Carballido.ph	442.813268	419.887994	438.491236	1.9497017	0.00296874
176	Carballido.ph	442.20271	419.783817	438.207095	1.94373521	0.00308933
177	Carballido.ph	442.82315	419.422445	438.14104	1.96726696	0.00331779
178	Carballido.ph	443.349247	421.017181	439.949855	1.91379882	0.00320876
179	Carballido.ph	440.91034	420.573499	437.955422	1.92845905	0.00292393

180	Carballido.ph	440.95909	418.357857	436.199548	1.95577108	0.0033009
181	Carballido.ph	443.113043	421.415499	439.458806	1.97842307	0.00324554
182	Carballido.ph	444.549793	420.811171	439.508657	1.99838711	0.00328011
183	Carballido.ph	442.679202	420.121882	438.332944	1.92230815	0.00311937
184	Carballido.ph	442.909737	421.019512	438.921921	1.94032685	0.00312793
185	Carballido.ph	442.446256	420.070016	436.843085	1.97135976	0.00359249
186	Carballido.ph	441.541159	420.540331	438.182217	1.92942017	0.00306476
187	Carballido.ph	442.750869	421.81204	439.734845	1.91156165	0.00301453
188	Carballido.ph	442.460131	421.594902	438.446934	1.9354405	0.00300616
189	Carballido.ph	440.601122	419.397091	437.181692	1.91400381	0.00333912
190	Carballido.ph	443.689784	418.260372	438.274734	1.97432298	0.00316166
191	Carballido.ph	441.646011	422.312775	439.07333	1.93238533	0.00284854
192	Carballido.ph	442.915609	420.008756	438.543599	1.99813889	0.00293392
193	Carballido.ph	444.057793	420.151758	439.053976	1.9779065	0.00321661
194	Carballido.ph	442.125511	419.003768	437.666355	1.95539559	0.0032632
195	Carballido.ph	442.887849	419.641408	438.441553	1.94900122	0.00319111
196	Carballido.ph	441.992984	419.603485	437.732107	1.94514802	0.00324933
197	Carballido.ph	441.411889	420.491189	438.15709	1.9137278	0.00301149
198	Carballido.ph	443.311339	420.632186	439.00896	1.93184449	0.00335579
199	Carballido.ph	442.117288	420.82035	438.480264	1.95607827	0.00299556
200	Carballido.ph	441.529138	420.570485	437.496795	1.96597189	0.00326708
201	Cau.phy.nex	715.247528	716.370806	714.660748	2.09605544	0.0040379
202	Cau.phy.nex	716.720717	717.844106	715.867849	2.11578852	0.00374667
203	Cau.phy.nex	717.342097	718.631377	717.349391	2.11253779	0.00363584
204	Cau.phy.nex	717.365205	717.850953	716.525088	2.1071243	0.00371034
205	Cau.phy.nex	717.20289	718.503638	717.274384	2.10669262	0.00382264
206	Cau.phy.nex	714.433549	715.402972	714.09409	2.09110303	0.00375687
207	Cau.phy.nex	716.323462	717.800068	716.446692	2.11975624	0.00370313
208	Cau.phy.nex	716.166121	716.386979	715.544743	2.11211021	0.00371013
209	Cau.phy.nex	715.787001	715.843546	715.119689	2.11030278	0.00378533
210	Cau.phy.nex	715.441781	716.269742	714.512958	2.09940778	0.0039027
211	Cau.phy.nex	716.217537	716.480653	715.634898	2.11430908	0.00376197
212	Cau.phy.nex	716.510748	717.53193	715.650496	2.12321919	0.00367231
213	Cau.phy.nex	715.987941	717.662268	716.170025	2.11619801	0.00372534
214	Cau.phy.nex	717.372174	719.043939	717.341994	2.11466697	0.00367307
215	Cau.phy.nex	716.128398	717.303417	715.445013	2.09581602	0.00368357
216	Cau.phy.nex	715.736498	716.713001	715.60562	2.11138226	0.00381936
217	Cau.phy.nex	716.224031	717.080182	715.570426	2.1102247	0.00396593
218	Cau.phy.nex	715.900617	717.199164	715.841348	2.11307984	0.00390398
219	Cau.phy.nex	716.119246	717.106609	715.048084	2.11866207	0.0038123
220	Cau.phy.nex	716.950756	717.809942	716.686427	2.11049524	0.00375898
221	Cau.phy.nex	715.718011	717.107946	715.417257	2.10436425	0.00401245
222	Cau.phy.nex	715.652124	716.576314	715.53452	2.10927302	0.00370336
223	Cau.phy.nex	715.592752	716.412382	715.443147	2.11678426	0.00380467
224	Cau.phy.nex	715.608904	716.536999	715.243084	2.10527201	0.00384557

225	Cau.phy.nex	715.675502	716.727858	715.192762	2.10359878	0.00379707
226	Cau.phy.nex	715.516632	716.851905	715.495962	2.11150546	0.00376126
227	Cau.phy.nex	716.382652	717.888291	716.010087	2.10180284	0.00387639
228	Cau.phy.nex	715.609255	716.598375	715.206053	2.10236316	0.00391994
229	Cau.phy.nex	716.40507	717.183107	715.913887	2.10942815	0.00381232
230	Cau.phy.nex	716.32646	717.39245	716.102734	2.11008783	0.00379642
231	Cau.phy.nex	716.047464	717.629262	716.202079	2.11939394	0.0035791
232	Cau.phy.nex	716.822433	717.715591	716.067057	2.11718606	0.00369566
233	Cau.phy.nex	716.499431	717.61505	716.255413	2.11305133	0.00350083
234	Cau.phy.nex	714.992021	716.750933	715.327353	2.09852034	0.00380165
235	Cau.phy.nex	715.36786	717.05868	715.096614	2.10496237	0.00365444
236	Cau.phy.nex	716.205234	717.643405	716.131176	2.1062297	0.00369895
237	Cau.phy.nex	716.537636	717.317583	716.486574	2.10265877	0.00365046
238	Cau.phy.nex	715.714143	717.485128	715.559034	2.10180811	0.00375111
239	Cau.phy.nex	716.260914	717.129044	715.938534	2.11685779	0.00375569
240	Cau.phy.nex	715.605475	716.364578	715.051441	2.10901557	0.00385589
241	Cau.phy.nex	715.597478	716.568484	715.364492	2.09868794	0.00400502
242	Cau.phy.nex	717.713652	718.776281	717.218246	2.11708166	0.00365748
243	Cau.phy.nex	716.668107	717.690386	715.836641	2.11485877	0.00377026
244	Cau.phy.nex	716.687181	718.077556	716.958365	2.11282689	0.00369482
245	Cau.phy.nex	716.605161	717.466734	716.361891	2.10505463	0.00370228
246	Cau.phy.nex	717.282089	718.618539	717.10784	2.1236079	0.00357165
247	Cau.phy.nex	716.531779	716.98351	715.876768	2.10803703	0.00388746
248	Cau.phy.nex	716.580225	717.275788	715.654674	2.10741362	0.00375488
249	Cau.phy.nex	714.927344	715.366006	713.9194	2.10803312	0.00379812
250	Cau.phy.nex	714.557359	715.535641	713.731373	2.09560475	0.00386523
251	Cau.phy.nex	715.727809	716.88144	716.137292	2.11125292	0.00380666
252	Cau.phy.nex	715.543731	716.12791	715.268451	2.11233184	0.00371854
253	Cau.phy.nex	717.170714	718.06144	716.491518	2.10746748	0.00371457
254	Cau.phy.nex	716.092795	716.995883	715.619246	2.11234421	0.00368966
255	Cau.phy.nex	716.827188	717.721686	716.286159	2.10985536	0.0037664
256	Cau.phy.nex	716.14362	717.103839	715.591873	2.10749963	0.00375517
257	Cau.phy.nex	716.498491	717.701645	716.561246	2.1160094	0.00361741
258	Cau.phy.nex	715.523377	716.529826	715.479816	2.1056986	0.00375719
259	Cau.phy.nex	715.870502	717.613181	715.973818	2.11416837	0.00366483
260	Cau.phy.nex	717.603166	718.448041	716.665223	2.1073557	0.00382598
261	Cau.phy.nex	717.308011	717.985475	717.087272	2.12297525	0.00367838
262	Cau.phy.nex	715.838244	717.651591	715.856378	2.10673852	0.00365346
263	Cau.phy.nex	715.242383	716.87283	715.027139	2.1054957	0.00395443
264	Cau.phy.nex	714.797607	715.580224	714.418551	2.10346694	0.00390088
265	Cau.phy.nex	716.117721	717.637405	715.690085	2.12165534	0.00368979
266	Cau.phy.nex	717.594195	718.125266	716.952503	2.12094636	0.00372054
267	Cau.phy.nex	717.605108	718.503929	716.838444	2.12285889	0.00371248
268	Cau.phy.nex	717.451086	718.402569	717.173351	2.11417714	0.00390326
269	Cau.phy.nex	716.272631	717.310529	716.589096	2.11364149	0.00372078

270	Cau.phy.nex	715.579016	716.345395	715.325674	2.08679001	0.00375079
271	Cau.phy.nex	716.774442	717.876932	716.434397	2.11962199	0.00356881
272	Cau.phy.nex	715.69617	717.424588	715.658368	2.10663944	0.00394702
273	Cau.phy.nex	716.534151	717.739777	716.425064	2.11428199	0.00376027
274	Cau.phy.nex	715.621863	717.12675	715.924747	2.11025595	0.00348921
275	Cau.phy.nex	716.474488	717.656501	716.398916	2.10816204	0.00379856
276	Cau.phy.nex	715.965779	717.682758	716.013791	2.10355527	0.00384005
277	Cau.phy.nex	716.018592	716.681293	715.585442	2.1010829	0.00397583
278	Cau.phy.nex	713.811526	714.545238	713.405066	2.08533848	0.00379914
279	Cau.phy.nex	715.287538	716.703029	715.215355	2.10840612	0.00376367
280	Cau.phy.nex	716.718418	718.008848	716.281855	2.11648003	0.00364639
281	Cau.phy.nex	715.329715	716.421135	715.120426	2.1027521	0.00390485
282	Cau.phy.nex	714.674833	716.028184	714.690751	2.09729241	0.00385636
283	Cau.phy.nex	716.434862	717.495214	715.707614	2.11420601	0.00385871
284	Cau.phy.nex	716.498497	717.238079	716.262908	2.10846605	0.00378854
285	Cau.phy.nex	716.569294	717.03858	715.940563	2.11220642	0.00385181
286	Cau.phy.nex	715.715113	717.422647	715.45143	2.1022486	0.00374407
287	Cau.phy.nex	715.051008	715.742786	714.414499	2.10946474	0.00405242
288	Cau.phy.nex	717.689182	718.774861	717.109818	2.1170868	0.00383726
289	Cau.phy.nex	716.293497	717.387408	716.040725	2.0961791	0.00371691
290	Cau.phy.nex	716.397072	717.02421	715.878151	2.08941836	0.00407088
291	Cau.phy.nex	715.889549	716.713558	715.776029	2.10945622	0.00370499
292	Cau.phy.nex	717.134043	718.407204	716.812679	2.11916081	0.00374464
293	Cau.phy.nex	715.539974	716.493988	715.794424	2.1085985	0.00390017
294	Cau.phy.nex	717.03452	718.058868	716.64929	2.11371464	0.00363382
295	Cau.phy.nex	717.268111	718.368658	717.177313	2.11614023	0.00371013
296	Cau.phy.nex	715.578818	716.201283	715.343901	2.09036676	0.00390537
297	Cau.phy.nex	716.111199	717.154649	715.158493	2.10508287	0.00375468
298	Cau.phy.nex	715.060658	716.143041	714.724882	2.08411624	0.00380344
299	Cau.phy.nex	715.607247	716.785377	715.11358	2.10230713	0.00390481
300	Cau.phy.nex	716.886641	718.002645	716.762967	2.10975741	0.00355793
301	Chiba.phy.ne	136.454954	137.351495	136.315655	1.60335414	0.01069014
302	Chiba.phy.ne	136.044957	136.853199	135.758687	1.57600016	0.01023419
303	Chiba.phy.ne	135.933876	137.361329	135.998696	1.5426108	0.01220581
304	Chiba.phy.ne	135.237571	135.372134	134.80277	1.60471883	0.00650023
305	Chiba.phy.ne	136.670139	136.93039	136.741182	1.70243223	0.00306824
306	Chiba.phy.ne	136.695784	133.888592	136.856175	1.7931088	-0.00215971
307	Chiba.phy.ne	135.499738	136.602211	135.282505	1.52639733	0.01193139
308	Chiba.phy.ne	135.451558	136.799722	135.228099	1.46715367	0.01668737
309	Chiba.phy.ne	135.929378	137.562612	135.689932	1.53859753	0.01534752
310	Chiba.phy.ne	137.267611	137.68548	137.077567	1.65330781	0.00917608
311	Chiba.phy.ne	133.955661	135.107423	133.954874	1.45357211	0.01689302
312	Chiba.phy.ne	136.253415	135.981444	136.108829	1.68683585	0.003252
313	Chiba.phy.ne	136.710269	137.776804	136.67648	1.67556919	0.00567354
314	Chiba.phy.ne	136.167772	135.340299	135.936128	1.66630189	0.00372593

315 Chiba.phy.ne	136.431937	137.763689	136.058636	1.59947024	0.0123429
316 Chiba.phy.ne	135.851696	136.746993	135.839426	1.61468888	0.00823637
317 Chiba.phy.ne	134.34654	135.250608	134.303947	1.52334407	0.01051164
318 Chiba.phy.ne	136.976232	138.073822	136.504696	1.60379741	0.0132058
319 Chiba.phy.ne	133.649824	135.184807	133.73786	1.37632594	0.01926283
320 Chiba.phy.ne	135.057072	136.163912	134.911424	1.48850706	0.01516293
321 Chiba.phy.ne	136.092333	137.56727	135.795443	1.56734934	0.01785715
322 Chiba.phy.ne	135.826747	136.746593	135.521208	1.58295833	0.0107616
323 Chiba.phy.ne	136.278638	136.99255	135.76971	1.56405289	0.01205366
324 Chiba.phy.ne	134.158846	135.569432	134.139809	1.45646966	0.0225196
325 Chiba.phy.ne	136.145528	137.522038	136.028607	1.53976502	0.01380866
326 Chiba.phy.ne	135.836614	136.569786	135.622397	1.52375967	0.01245209
327 Chiba.phy.ne	136.505029	136.460294	136.299042	1.67820994	0.00569785
328 Chiba.phy.ne	136.335158	137.445844	136.118112	1.63842326	0.0084612
329 Chiba.phy.ne	135.950547	137.298435	135.631394	1.56545446	0.0115193
330 Chiba.phy.ne	135.306697	136.371948	135.217245	1.51699281	0.0159575
331 Chiba.phy.ne	135.285011	135.413838	134.979849	1.58362867	0.00832325
332 Chiba.phy.ne	136.459098	137.270069	136.153884	1.64761284	0.00479394
333 Chiba.phy.ne	135.645959	137.530971	135.780394	1.52264189	0.01700168
334 Chiba.phy.ne	135.993841	137.409224	135.677406	1.5644199	0.01422461
335 Chiba.phy.ne	136.334359	136.915214	136.051723	1.62697914	0.01044044
336 Chiba.phy.ne	135.144008	135.648168	134.747291	1.60078602	0.00718336
337 Chiba.phy.ne	135.835387	135.401848	135.461392	1.60482223	0.01218743
338 Chiba.phy.ne	135.838527	136.468965	135.650469	1.60862762	0.00599277
339 Chiba.phy.ne	135.254697	135.984109	134.863473	1.4906777	0.01491346
340 Chiba.phy.ne	136.09994	137.019073	135.849233	1.51578192	0.01637143
341 Chiba.phy.ne	137.370234	137.37984	137.323297	1.75626469	0.00249134
342 Chiba.phy.ne	135.916507	136.288488	135.68412	1.60200869	0.00929023
343 Chiba.phy.ne	135.532431	136.77445	135.264556	1.48545737	0.01738879
344 Chiba.phy.ne	135.544858	137.107563	135.289075	1.52097851	0.01615808
345 Chiba.phy.ne	136.884276	136.663299	136.89855	1.77288226	9.90E-05
346 Chiba.phy.ne	136.083381	135.827071	136.123919	1.60963738	0.00626993
347 Chiba.phy.ne	136.207901	137.750294	135.981926	1.55262666	0.01528362
348 Chiba.phy.ne	136.238578	137.147507	136.108723	1.58488272	0.01125573
349 Chiba.phy.ne	134.5594	135.524783	134.21357	1.42280565	0.01798123
350 Chiba.phy.ne	134.937421	135.485635	134.70097	1.51754195	0.01241
351 Chiba.phy.ne	135.364646	135.966718	134.86979	1.52225832	0.01337632
352 Chiba.phy.ne	132.34505	133.98996	132.482566	1.33277411	0.02198028
353 Chiba.phy.ne	135.343172	136.980246	135.240791	1.4626768	0.01741868
354 Chiba.phy.ne	134.638479	135.475498	134.617171	1.48353958	0.0144673
355 Chiba.phy.ne	135.88624	136.754838	135.64004	1.64181225	0.00524247
356 Chiba.phy.ne	135.104291	135.696085	134.9043	1.53939104	0.01262708
357 Chiba.phy.ne	135.891654	136.247225	135.803348	1.61919659	0.00751391
358 Chiba.phy.ne	136.255707	136.290628	135.87338	1.58554769	0.01327542
359 Chiba.phy.ne	136.078266	136.173719	136.015373	1.63661669	0.00481154

360 Chiba.phy.ne	136.875771	136.878478	136.604329	1.68209097	0.00582789
361 Chiba.phy.ne	137.866784	137.386885	137.607189	1.7938882	0.00252518
362 Chiba.phy.ne	136.17184	136.241239	135.714231	1.57782459	0.01012462
363 Chiba.phy.ne	136.77639	136.281782	136.327964	1.67687426	0.00530499
364 Chiba.phy.ne	135.191072	136.323807	134.927827	1.49975551	0.01380133
365 Chiba.phy.ne	134.272221	135.798348	134.385786	1.37388366	0.02231688
366 Chiba.phy.ne	134.669537	136.453481	134.55712	1.43960992	0.01763625
367 Chiba.phy.ne	135.901275	136.141463	135.608592	1.63144995	0.00674552
368 Chiba.phy.ne	136.200509	137.577477	135.906791	1.54615856	0.01329431
369 Chiba.phy.ne	136.447751	136.731841	136.262032	1.63621799	0.00872759
370 Chiba.phy.ne	135.188397	135.516009	134.729354	1.49299054	0.0139885
371 Chiba.phy.ne	134.641391	136.302847	134.526386	1.51236069	0.01488519
372 Chiba.phy.ne	137.070379	137.980005	136.84893	1.66403175	0.00886271
373 Chiba.phy.ne	135.476422	136.3877	135.514723	1.5976412	0.00814248
374 Chiba.phy.ne	134.851628	136.334121	134.387161	1.46701692	0.01569394
375 Chiba.phy.ne	136.307193	136.276952	136.084511	1.68390534	0.00429301
376 Chiba.phy.ne	133.902288	135.739002	133.8394	1.39672725	0.02100787
377 Chiba.phy.ne	134.200219	135.337671	133.752401	1.46197085	0.01793145
378 Chiba.phy.ne	136.949078	137.819287	136.913482	1.66301612	0.00685818
379 Chiba.phy.ne	135.960348	136.696285	135.675309	1.55566785	0.01157183
380 Chiba.phy.ne	134.303453	135.435899	133.938087	1.43978532	0.0182293
381 Chiba.phy.ne	136.486931	138.300538	136.175574	1.58787071	0.01412514
382 Chiba.phy.ne	134.800174	134.968307	134.71369	1.57090689	0.01080134
383 Chiba.phy.ne	134.764291	136.2875	134.591764	1.44568206	0.01994605
384 Chiba.phy.ne	136.341026	136.912561	136.223992	1.65417546	0.00754672
385 Chiba.phy.ne	135.605797	137.18922	135.552206	1.51372179	0.01519166
386 Chiba.phy.ne	134.759408	136.078975	134.72458	1.45149591	0.01653682
387 Chiba.phy.ne	135.153092	136.126637	134.833433	1.52447395	0.01404943
388 Chiba.phy.ne	136.750727	138.000357	136.735014	1.68708585	0.00457301
389 Chiba.phy.ne	136.181248	136.163116	136.058547	1.64518661	0.00549415
390 Chiba.phy.ne	136.320308	136.773838	136.107633	1.58047173	0.01129668
391 Chiba.phy.ne	135.33657	136.859968	135.101479	1.52310964	0.01211966
392 Chiba.phy.ne	134.447856	135.580538	134.245886	1.51560788	0.0093675
393 Chiba.phy.ne	133.374948	134.75981	133.297461	1.40490126	0.0159074
394 Chiba.phy.ne	135.701228	135.610085	135.524448	1.55311219	0.01301771
395 Chiba.phy.ne	134.82548	136.377008	134.799853	1.53616728	0.01119797
396 Chiba.phy.ne	136.671148	137.738707	136.734595	1.62416885	0.01065525
397 Chiba.phy.ne	136.250153	136.415499	136.347189	1.62318454	0.00693803
398 Chiba.phy.ne	135.167109	135.878786	135.109015	1.54706192	0.00991041
399 Chiba.phy.ne	136.220394	136.204772	135.858046	1.63135859	0.00887727
400 Chiba.phy.ne	134.056306	135.083967	133.90485	1.47914608	0.01378061
401 Cruzado.phy.	312.143881	312.875954	311.759769	1.28505018	0.01589159
402 Cruzado.phy.	315.102268	315.617246	314.438272	1.47985112	0.01204128
403 Cruzado.phy.	314.286023	315.127476	314.007837	1.39470991	0.01389286
404 Cruzado.phy.	314.861213	315.910712	314.56809	1.37491667	0.0151434

405 Cruzado.phy.	314.280304	314.954404	313.68397	1.39025202	0.01538579
406 Cruzado.phy.	315.776794	317.212033	315.473645	1.43509826	0.01211287
407 Cruzado.phy.	313.982888	314.975158	313.660057	1.46427485	0.01234164
408 Cruzado.phy.	314.172468	315.354098	313.954725	1.3586171	0.01315448
409 Cruzado.phy.	316.092538	316.452397	315.450383	1.39607539	0.01483388
410 Cruzado.phy.	313.883611	313.87663	313.365744	1.32599707	0.01307545
411 Cruzado.phy.	312.676855	313.820222	312.693242	1.32867603	0.014855
412 Cruzado.phy.	312.121846	312.773503	311.716754	1.23437797	0.01753983
413 Cruzado.phy.	312.954776	313.204125	312.437448	1.3566209	0.01580312
414 Cruzado.phy.	316.311036	316.316151	315.590518	1.44755672	0.01434976
415 Cruzado.phy.	315.051901	315.809612	314.483799	1.34122476	0.01354626
416 Cruzado.phy.	314.203891	315.974646	314.089735	1.32220341	0.01512839
417 Cruzado.phy.	314.864172	315.507582	314.123756	1.32784768	0.01416178
418 Cruzado.phy.	314.748906	315.348764	314.162675	1.46760628	0.01403499
419 Cruzado.phy.	313.928921	314.640639	313.753303	1.4362052	0.01457077
420 Cruzado.phy.	315.196919	315.535305	314.91129	1.41531583	0.01120612
421 Cruzado.phy.	314.448064	315.741852	314.427483	1.40499548	0.01416095
422 Cruzado.phy.	315.939059	316.531283	315.188712	1.43615945	0.01394229
423 Cruzado.phy.	316.58828	317.224375	316.109703	1.28362003	0.01470104
424 Cruzado.phy.	313.249132	314.290356	313.16577	1.32987945	0.01663094
425 Cruzado.phy.	314.946438	315.162164	314.333793	1.33936188	0.01430704
426 Cruzado.phy.	315.165567	314.832617	314.459308	1.4570976	0.01375308
427 Cruzado.phy.	313.593302	313.621698	312.896365	1.31071938	0.01597386
428 Cruzado.phy.	313.652536	314.592471	313.237757	1.40190113	0.01421385
429 Cruzado.phy.	314.694927	315.836207	314.287927	1.43112575	0.01440738
430 Cruzado.phy.	310.206895	311.136222	309.884421	1.35708919	0.02037115
431 Cruzado.phy.	313.243775	314.541873	313.333068	1.44723371	0.01200078
432 Cruzado.phy.	314.424746	314.9983	314.325011	1.30008706	0.01308525
433 Cruzado.phy.	316.52039	317.381742	316.579713	1.44395631	0.01174583
434 Cruzado.phy.	315.504817	316.176343	315.078328	1.41760026	0.01486504
435 Cruzado.phy.	315.353335	315.634553	314.82852	1.39370698	0.01422283
436 Cruzado.phy.	312.804946	313.146726	312.155025	1.41077877	0.01439829
437 Cruzado.phy.	316.535415	317.137604	316.741195	1.38263187	0.0137767
438 Cruzado.phy.	314.274397	315.077062	314.160629	1.32544015	0.01411116
439 Cruzado.phy.	316.021758	317.191527	315.79668	1.40158118	0.0115455
440 Cruzado.phy.	314.721567	315.994714	314.628162	1.47352531	0.01264547
441 Cruzado.phy.	314.795259	315.515641	314.790502	1.36109777	0.01401789
442 Cruzado.phy.	315.801187	315.617509	314.711921	1.46138915	0.01403287
443 Cruzado.phy.	314.424501	315.565196	314.115964	1.36997241	0.01298745
444 Cruzado.phy.	314.827595	315.867059	314.63344	1.42156068	0.01558421
445 Cruzado.phy.	316.320516	316.930472	315.841559	1.5000459	0.01142596
446 Cruzado.phy.	313.983281	314.426754	313.85908	1.31535468	0.01629552
447 Cruzado.phy.	312.823982	313.244793	312.415866	1.32710888	0.013052
448 Cruzado.phy.	312.96966	313.876394	312.47452	1.40818251	0.01735228
449 Cruzado.phy.	313.449888	314.340693	313.0892	1.27821908	0.0152355

450 Cruzado.phy.	314.083666	314.019906	313.206873	1.3679401	0.0153363
451 Cruzado.phy.	314.307012	314.537699	313.789048	1.40708022	0.01330791
452 Cruzado.phy.	314.307442	315.013362	313.957153	1.40121491	0.01350383
453 Cruzado.phy.	312.629671	312.946876	312.473558	1.29808774	0.01611207
454 Cruzado.phy.	315.117224	315.542172	314.681043	1.33548254	0.01209937
455 Cruzado.phy.	315.342653	314.5737	314.206925	1.4385699	0.01574653
456 Cruzado.phy.	312.726663	313.253252	312.289221	1.40081701	0.01597186
457 Cruzado.phy.	314.752736	315.808908	314.488373	1.36312683	0.01460491
458 Cruzado.phy.	313.657225	314.860485	313.602952	1.31166292	0.0138432
459 Cruzado.phy.	315.909238	315.631968	315.286404	1.45738835	0.01346376
460 Cruzado.phy.	314.293463	315.217085	313.903407	1.46367234	0.01352559
461 Cruzado.phy.	312.215146	313.444746	311.741305	1.34838956	0.01553076
462 Cruzado.phy.	314.646878	315.383833	314.574923	1.20622875	0.01558327
463 Cruzado.phy.	314.897862	315.184011	314.312793	1.42121828	0.01431511
464 Cruzado.phy.	316.685376	317.942854	316.635241	1.34608539	0.01451758
465 Cruzado.phy.	315.415417	315.653293	314.577046	1.35361641	0.01377683
466 Cruzado.phy.	317.303433	317.047278	316.467882	1.42050719	0.01380034
467 Cruzado.phy.	314.692945	313.837401	313.934861	1.44097958	0.01577934
468 Cruzado.phy.	313.462581	314.26102	313.097391	1.46212993	0.01526507
469 Cruzado.phy.	314.300191	315.150603	313.727285	1.44093187	0.01406235
470 Cruzado.phy.	314.063982	314.925707	313.751724	1.38567163	0.01220194
471 Cruzado.phy.	314.158657	313.825068	313.305207	1.41238155	0.01539633
472 Cruzado.phy.	315.261553	315.466724	314.83142	1.3952279	0.01564942
473 Cruzado.phy.	313.778613	314.437731	313.272342	1.27327342	0.01567373
474 Cruzado.phy.	314.584219	315.649721	314.11025	1.42000942	0.01614301
475 Cruzado.phy.	313.485022	314.593833	313.184929	1.33345883	0.01588744
476 Cruzado.phy.	315.718786	315.945892	315.275445	1.42583553	0.01236877
477 Cruzado.phy.	313.561563	314.525376	313.221097	1.26399574	0.01558346
478 Cruzado.phy.	314.019936	314.635713	313.32612	1.47804323	0.0138007
479 Cruzado.phy.	314.755167	315.178347	313.74685	1.40008794	0.01448548
480 Cruzado.phy.	314.803267	315.068267	314.243807	1.43411191	0.01652561
481 Cruzado.phy.	314.827007	315.482941	314.662571	1.50988883	0.01250981
482 Cruzado.phy.	315.014637	315.741034	314.709725	1.52167928	0.00976519
483 Cruzado.phy.	313.589923	313.84808	313.060143	1.40481494	0.01542677
484 Cruzado.phy.	311.318038	310.851953	310.245844	1.3451109	0.01948822
485 Cruzado.phy.	315.110247	315.512353	314.765778	1.3496474	0.01336511
486 Cruzado.phy.	314.685835	314.960085	314.61554	1.4136841	0.01141185
487 Cruzado.phy.	314.620611	315.434963	314.171849	1.30646715	0.01424667
488 Cruzado.phy.	312.834959	313.101014	312.137056	1.43301719	0.01470448
489 Cruzado.phy.	314.281138	315.686274	314.31036	1.31169994	0.01503207
490 Cruzado.phy.	315.8699	316.676504	315.7559	1.29182586	0.01433473
491 Cruzado.phy.	313.161579	313.859362	312.234999	1.48735774	0.01358583
492 Cruzado.phy.	316.332424	316.912476	315.631382	1.35321478	0.01317181
493 Cruzado.phy.	313.316272	314.230337	312.840406	1.3708539	0.01602022
494 Cruzado.phy.	316.552745	317.414822	316.296305	1.49129416	0.01290148

495 Cruzado.phy.	313.490142	314.08306	312.914635	1.2859014	0.01401557
496 Cruzado.phy.	313.475952	314.413086	313.048985	1.35085139	0.01341157
497 Cruzado.phy.	314.27721	315.086695	314.009084	1.45408497	0.01432214
498 Cruzado.phy.	315.172896	315.779365	314.741894	1.36986268	0.0145181
499 Cruzado.phy.	311.875867	312.753791	311.322049	1.23907399	0.01619203
500 Cruzado.phy.	312.36193	313.282344	312.175384	1.35917397	0.01358433
501 GonzalezRig.	399.289234	399.202899	398.681708	1.84890883	0.0050025
502 GonzalezRig.	402.448822	399.320935	400.115341	1.89774216	0.00635635
503 GonzalezRig.	398.444253	396.469805	396.789187	1.80692509	0.0049218
504 GonzalezRig.	399.664526	397.183344	397.562267	1.83963522	0.00599028
505 GonzalezRig.	401.733443	399.679652	400.348974	1.90044141	0.00586495
506 GonzalezRig.	402.400044	400.922522	400.494795	1.88340812	0.00594914
507 GonzalezRig.	402.826032	399.807639	400.587733	1.90777631	0.00585812
508 GonzalezRig.	401.363354	398.73205	398.850151	1.87608355	0.00556919
509 GonzalezRig.	400.482269	398.278141	398.769712	1.89963815	0.00536752
510 GonzalezRig.	401.262339	400.14798	399.791689	1.83152558	0.00550263
511 GonzalezRig.	399.47254	398.470969	398.593807	1.85643485	0.00506428
512 GonzalezRig.	401.731916	401.278497	400.495965	1.88970579	0.00589317
513 GonzalezRig.	399.248314	396.963158	397.324199	1.87684161	0.00597241
514 GonzalezRig.	402.335155	399.665206	399.463674	1.86574375	0.00596787
515 GonzalezRig.	401.831432	401.118102	400.324879	1.9003553	0.00554335
516 GonzalezRig.	402.294568	401.193269	401.119629	1.91071984	0.00534842
517 GonzalezRig.	401.942032	398.658577	399.220135	1.91437591	0.00641784
518 GonzalezRig.	400.646233	398.123055	398.579415	1.86917813	0.00602907
519 GonzalezRig.	404.734331	403.563783	403.164607	1.91920509	0.00584653
520 GonzalezRig.	402.145188	401.548124	401.009284	1.89935323	0.00533785
521 GonzalezRig.	403.603121	402.466901	402.607375	1.91865987	0.00517509
522 GonzalezRig.	400.101064	397.003076	398.222458	1.85573192	0.00612864
523 GonzalezRig.	399.587753	399.20654	398.208964	1.86981881	0.00566182
524 GonzalezRig.	400.42779	397.36428	397.982472	1.88732154	0.00569212
525 GonzalezRig.	400.860402	399.849624	400.2956	1.88598098	0.0050533
526 GonzalezRig.	400.288083	399.347377	399.41534	1.86424764	0.0051533
527 GonzalezRig.	401.154047	398.548252	399.321023	1.8312514	0.00552208
528 GonzalezRig.	401.559931	400.356705	400.552601	1.89440737	0.00603214
529 GonzalezRig.	401.452249	400.642291	400.279438	1.91105648	0.00553747
530 GonzalezRig.	400.675714	397.735917	398.066087	1.87548087	0.00582605
531 GonzalezRig.	401.302875	399.348727	399.10537	1.89730352	0.00636958
532 GonzalezRig.	397.681364	397.261565	396.402314	1.77747553	0.00518716
533 GonzalezRig.	400.252984	399.486927	399.40569	1.88872025	0.00542327
534 GonzalezRig.	400.471344	397.789041	398.247942	1.89396237	0.00546799
535 GonzalezRig.	398.615582	396.197711	396.652999	1.85801569	0.00582441
536 GonzalezRig.	402.325471	401.785411	401.273452	1.88018403	0.00520728
537 GonzalezRig.	401.323775	399.88701	400.241301	1.89959567	0.00516359
538 GonzalezRig.	401.265592	399.207041	399.897602	1.87823846	0.0049305
539 GonzalezRig.	403.58363	401.823665	401.965305	1.9211129	0.00574181

540 GonzalezRig	400.741892	397.592412	398.537951	1.90686569	0.00547946
541 GonzalezRig	402.399614	401.393529	401.125866	1.91408923	0.00521577
542 GonzalezRig	396.486032	394.140901	394.243914	1.80679451	0.00564224
543 GonzalezRig	403.097782	400.766496	400.585201	1.91265796	0.00555584
544 GonzalezRig	400.003336	399.203148	398.660598	1.87504649	0.00505229
545 GonzalezRig	400.95521	398.820113	399.489864	1.88551022	0.00550204
546 GonzalezRig	400.383113	397.513129	398.095005	1.84034799	0.00627108
547 GonzalezRig	402.148509	399.614163	400.068805	1.89085679	0.00540738
548 GonzalezRig	402.045199	400.1825	399.895068	1.92455955	0.005765
549 GonzalezRig	401.668999	399.209694	399.563176	1.89573523	0.00578371
550 GonzalezRig	403.266096	401.209676	401.369798	1.9219131	0.0057256
551 GonzalezRig	400.610599	398.497743	398.841109	1.88522833	0.00558782
552 GonzalezRig	400.193622	399.173675	399.106647	1.89523857	0.00495737
553 GonzalezRig	403.877652	402.066968	402.403621	1.90454626	0.00588284
554 GonzalezRig	402.489601	401.603135	401.566389	1.92676991	0.00479741
555 GonzalezRig	402.164109	398.7615	399.051634	1.8757559	0.00633026
556 GonzalezRig	402.178476	400.788204	401.101741	1.89008579	0.00541572
557 GonzalezRig	400.665274	398.667423	398.967994	1.8963266	0.00508502
558 GonzalezRig	400.534453	399.406034	399.091348	1.86789286	0.00550083
559 GonzalezRig	401.087999	400.239313	399.989705	1.88072738	0.00623558
560 GonzalezRig	400.912398	399.522551	399.039368	1.87337755	0.00540856
561 GonzalezRig	398.725345	397.400636	397.663683	1.84315581	0.00516265
562 GonzalezRig	403.205192	402.57193	401.995946	1.88560718	0.00575484
563 GonzalezRig	401.314328	399.375042	399.843432	1.88942684	0.00586646
564 GonzalezRig	401.432115	400.46461	400.03554	1.84243762	0.00567024
565 GonzalezRig	403.520672	399.81096	401.124392	1.91502348	0.00569097
566 GonzalezRig	403.448561	402.47126	402.543733	1.92790593	0.00498562
567 GonzalezRig	399.552934	399.172749	398.819446	1.8547319	0.00538009
568 GonzalezRig	402.006685	398.466244	399.558289	1.90231017	0.00625287
569 GonzalezRig	401.017524	398.793854	399.128372	1.89110453	0.00571817
570 GonzalezRig	401.859811	399.339482	400.449754	1.89943535	0.00533838
571 GonzalezRig	398.987162	397.625627	397.872679	1.86544174	0.00509745
572 GonzalezRig	402.156991	398.993761	399.226886	1.90596264	0.00639039
573 GonzalezRig	399.491109	397.434958	397.944438	1.87224568	0.00504673
574 GonzalezRig	401.435617	399.591935	399.652765	1.88975017	0.00531041
575 GonzalezRig	403.359794	401.770161	401.867233	1.91498197	0.00570092
576 GonzalezRig	401.677812	399.823567	400.095971	1.90021568	0.00553476
577 GonzalezRig	401.238372	398.712184	399.39764	1.90272145	0.00577175
578 GonzalezRig	401.318999	399.640343	399.779028	1.90040319	0.00527649
579 GonzalezRig	402.775183	402.875262	401.853901	1.911343	0.00499474
580 GonzalezRig	401.731449	400.8524	400.690028	1.90578448	0.00509634
581 GonzalezRig	397.465191	395.887556	396.212336	1.81606585	0.00570209
582 GonzalezRig	399.483122	397.043198	397.231144	1.87692963	0.0057169
583 GonzalezRig	399.181522	396.460642	396.563907	1.86084593	0.00587914
584 GonzalezRig	402.608592	400.966242	401.263493	1.90127265	0.00577022

585 GonzalezRig	398.541409	395.537721	395.957811	1.83292103	0.00603104
586 GonzalezRig	398.876423	396.487773	396.850527	1.86175767	0.0057733
587 GonzalezRig	402.623671	401.678237	400.86984	1.90412561	0.00568699
588 GonzalezRig	401.69615	400.377876	400.25059	1.87828376	0.00563858
589 GonzalezRig	400.976401	397.313859	398.315711	1.87055978	0.00601583
590 GonzalezRig	398.281322	397.008434	397.257083	1.81509788	0.00522377
591 GonzalezRig	399.121323	396.137559	396.881804	1.81769938	0.00587788
592 GonzalezRig	402.52709	399.034994	400.478677	1.91092634	0.00569203
593 GonzalezRig	402.44674	400.970101	401.343715	1.89231564	0.00504653
594 GonzalezRig	400.085372	398.827842	398.212238	1.82695562	0.00547343
595 GonzalezRig	402.325713	401.630061	401.351357	1.90357559	0.00556391
596 GonzalezRig	399.683304	398.600941	398.280059	1.8301804	0.00536494
597 GonzalezRig	399.866518	396.324363	397.612251	1.85704115	0.00565656
598 GonzalezRig	401.452104	401.056066	400.382465	1.88637702	0.00510783
599 GonzalezRig	401.601666	399.703041	399.833149	1.88769737	0.0061249
600 GonzalezRig	399.947322	397.726613	398.478193	1.8483236	0.00553499
601 Mallon.phy.n	134.77973	135.51819	134.583892	1.57963029	0.01449521
602 Mallon.phy.n	135.544169	136.373736	135.562585	1.66376529	0.01287959
603 Mallon.phy.n	136.211129	137.210596	135.948388	1.71560579	0.01274609
604 Mallon.phy.n	136.091475	137.087697	135.856617	1.63989612	0.01860391
605 Mallon.phy.n	133.803668	134.172447	133.499255	1.60994345	0.01621439
606 Mallon.phy.n	134.81338	135.903503	134.824899	1.58046997	0.01284752
607 Mallon.phy.n	134.759782	135.688727	134.620175	1.60039417	0.01248578
608 Mallon.phy.n	134.914733	135.779524	134.74639	1.5929306	0.01298634
609 Mallon.phy.n	133.439911	133.831873	133.338869	1.61747514	0.0115051
610 Mallon.phy.n	133.487855	134.229932	133.457619	1.57137164	0.01236222
611 Mallon.phy.n	134.833012	135.836718	134.906268	1.72519953	0.00570919
612 Mallon.phy.n	134.59774	134.998351	134.483571	1.67408579	0.01030316
613 Mallon.phy.n	134.955239	135.233577	134.93228	1.67133076	0.00900475
614 Mallon.phy.n	135.553466	135.915324	135.184757	1.68770936	0.01081604
615 Mallon.phy.n	131.977019	133.320346	132.127171	1.45979581	0.01867063
616 Mallon.phy.n	135.03984	136.135769	135.000712	1.58042015	0.01255648
617 Mallon.phy.n	136.063509	136.771228	135.920977	1.68063341	0.01312402
618 Mallon.phy.n	134.289707	135.199954	134.426392	1.64562864	0.01188688
619 Mallon.phy.n	134.508161	135.424171	134.401641	1.58408067	0.01267215
620 Mallon.phy.n	134.884542	135.769356	134.952436	1.59554479	0.01415527
621 Mallon.phy.n	133.935221	135.095452	133.686721	1.56614606	0.01387229
622 Mallon.phy.n	134.521512	135.488087	134.483747	1.59775415	0.01169081
623 Mallon.phy.n	132.569252	134.057425	132.602424	1.45498281	0.01452044
624 Mallon.phy.n	132.832273	134.063431	132.860121	1.4663731	0.01699233
625 Mallon.phy.n	134.712437	135.600386	134.724296	1.65052927	0.01087838
626 Mallon.phy.n	134.871473	135.915184	134.574613	1.60914707	0.01230547
627 Mallon.phy.n	134.963268	135.610704	134.859621	1.69289972	0.00633408
628 Mallon.phy.n	135.238877	136.136435	135.099518	1.56206605	0.01868996
629 Mallon.phy.n	132.827255	133.915907	132.66266	1.45780277	0.01723119

630	Mallon.phy.n	134.776739	135.680485	134.709606	1.73050601	0.00532083
631	Mallon.phy.n	135.096471	135.991932	134.909934	1.5173008	0.02245346
632	Mallon.phy.n	134.537569	135.962245	134.402974	1.53762407	0.01869132
633	Mallon.phy.n	135.750035	136.374924	135.359684	1.64417903	0.01482925
634	Mallon.phy.n	134.941792	135.953415	134.818228	1.58239544	0.01341373
635	Mallon.phy.n	134.992382	136.208249	134.766254	1.6004829	0.01539531
636	Mallon.phy.n	131.819817	133.583738	132.038411	1.46742075	0.01846166
637	Mallon.phy.n	135.014028	136.478817	135.032354	1.59492451	0.01686441
638	Mallon.phy.n	134.777742	135.42213	134.670677	1.56353227	0.01928869
639	Mallon.phy.n	132.090174	133.762419	132.0631	1.35620199	0.02727721
640	Mallon.phy.n	134.416285	135.737566	134.334079	1.62512651	0.01068929
641	Mallon.phy.n	134.609732	135.564322	134.389036	1.5823323	0.01725233
642	Mallon.phy.n	133.23322	134.150878	133.244746	1.50877773	0.01570978
643	Mallon.phy.n	133.286252	134.130243	132.978613	1.53884363	0.01360632
644	Mallon.phy.n	136.548627	136.954356	135.96105	1.67317864	0.01280105
645	Mallon.phy.n	135.612528	136.758567	135.529304	1.67566033	0.01112646
646	Mallon.phy.n	133.414143	134.880301	133.212619	1.54977015	0.01348628
647	Mallon.phy.n	133.830704	134.757094	133.663345	1.58153145	0.01414965
648	Mallon.phy.n	130.786087	132.470533	131.082499	1.33486532	0.02484997
649	Mallon.phy.n	135.775793	136.969783	135.843663	1.71964925	0.00992317
650	Mallon.phy.n	134.34364	135.095914	134.037991	1.57856326	0.01535035
651	Mallon.phy.n	135.281684	136.34549	135.290047	1.65465992	0.01425946
652	Mallon.phy.n	135.97871	137.232461	135.919691	1.66565756	0.01398778
653	Mallon.phy.n	133.287211	134.718885	133.51819	1.51492073	0.0169242
654	Mallon.phy.n	134.581231	135.332522	134.470625	1.54508223	0.01605068
655	Mallon.phy.n	133.534706	134.462431	133.441677	1.54896142	0.0175576
656	Mallon.phy.n	133.865577	134.558727	133.646757	1.57755527	0.01838902
657	Mallon.phy.n	136.793219	137.073666	136.490079	1.6818881	0.01548681
658	Mallon.phy.n	133.901761	134.982854	133.798243	1.48617921	0.01851274
659	Mallon.phy.n	134.865337	135.375927	134.77757	1.64373558	0.0154177
660	Mallon.phy.n	134.705029	135.286257	134.961203	1.71502135	0.00720963
661	Mallon.phy.n	134.655163	135.400999	134.538876	1.62011551	0.0107044
662	Mallon.phy.n	134.551992	135.282666	134.390758	1.55231582	0.0146204
663	Mallon.phy.n	133.679908	134.205613	133.504981	1.61841803	0.00874803
664	Mallon.phy.n	135.696947	135.83608	135.496163	1.70881248	0.01124974
665	Mallon.phy.n	133.372149	134.24382	133.236028	1.60832459	0.01173249
666	Mallon.phy.n	133.082965	134.39687	132.924119	1.52348921	0.01351892
667	Mallon.phy.n	131.765569	133.211312	131.875787	1.44951859	0.01884561
668	Mallon.phy.n	134.340201	135.603507	134.430836	1.62944364	0.01162775
669	Mallon.phy.n	134.461612	135.341901	134.450915	1.62143404	0.00907589
670	Mallon.phy.n	133.204616	134.274963	133.224792	1.46436425	0.01701943
671	Mallon.phy.n	134.419144	135.88555	134.280326	1.46481264	0.02288143
672	Mallon.phy.n	134.668176	136.074127	134.420186	1.5589786	0.01690004
673	Mallon.phy.n	131.765035	133.229345	131.864188	1.388772	0.02132451
674	Mallon.phy.n	134.461148	135.205865	134.11996	1.65771791	0.00881317

675	Mallon.phy.n	134.167712	135.616942	133.973282	1.52772748	0.01590115
676	Mallon.phy.n	135.205145	136.113644	135.121296	1.66357911	0.01119835
677	Mallon.phy.n	134.676163	135.197396	134.578263	1.57614244	0.01439503
678	Mallon.phy.n	132.049579	133.086711	132.081042	1.49519955	0.01150614
679	Mallon.phy.n	133.923206	135.346854	133.761051	1.51464511	0.01828991
680	Mallon.phy.n	136.923	137.038916	136.579323	1.74014907	0.00766799
681	Mallon.phy.n	132.342793	133.745307	132.72255	1.42273298	0.01903505
682	Mallon.phy.n	133.182658	134.197536	133.274944	1.54660748	0.01218078
683	Mallon.phy.n	134.100543	135.304497	133.959221	1.58986013	0.01234361
684	Mallon.phy.n	135.046702	135.935781	134.631163	1.60300705	0.0153149
685	Mallon.phy.n	134.71929	135.038611	134.626456	1.66498318	0.00949836
686	Mallon.phy.n	135.16663	136.459372	134.965292	1.54855627	0.02029091
687	Mallon.phy.n	132.891512	134.144234	132.779765	1.54280967	0.012309
688	Mallon.phy.n	133.946269	135.173919	133.501615	1.47160571	0.02052365
689	Mallon.phy.n	134.103955	135.166542	134.185349	1.52383653	0.01768358
690	Mallon.phy.n	134.41033	135.469444	134.263119	1.54429111	0.01748727
691	Mallon.phy.n	133.669502	135.085668	133.737213	1.52513794	0.01472181
692	Mallon.phy.n	131.885373	132.992696	131.840145	1.46833772	0.01653165
693	Mallon.phy.n	133.274308	134.565572	133.204105	1.49728684	0.01572251
694	Mallon.phy.n	134.672705	135.394126	134.299498	1.64640535	0.01221711
695	Mallon.phy.n	133.084298	134.120422	132.84822	1.60195357	0.01566366
696	Mallon.phy.n	135.554252	136.366531	135.440407	1.67558666	0.01008158
697	Mallon.phy.n	134.555196	135.324248	134.433678	1.55929722	0.01393721
698	Mallon.phy.n	133.048487	133.735976	132.595339	1.49649798	0.01742843
699	Mallon.phy.n	135.297327	135.519044	135.11456	1.64369418	0.01086065
700	Mallon.phy.n	131.785648	133.031417	131.783517	1.42880252	0.01570787
701	Raven.phy.n	116.017968	113.219438	114.805576	1.23582325	0.00756011
702	Raven.phy.n	115.890797	114.332757	114.908903	1.20929507	0.0077086
703	Raven.phy.n	115.708157	113.257084	114.609423	1.1979863	0.00777696
704	Raven.phy.n	115.817732	113.380455	114.763531	1.21150845	0.00721902
705	Raven.phy.n	116.267015	114.045532	115.171111	1.24673826	0.00672388
706	Raven.phy.n	115.630558	113.652825	114.815021	1.19873605	0.00658729
707	Raven.phy.n	116.479392	114.970141	115.18217	1.2026073	0.00666261
708	Raven.phy.n	116.082662	113.253389	114.696836	1.23770566	0.00818081
709	Raven.phy.n	115.488852	113.707199	114.434565	1.21541701	0.0077095
710	Raven.phy.n	115.730369	112.927474	114.69286	1.23482921	0.00777847
711	Raven.phy.n	116.472569	114.007892	115.13831	1.26346554	0.00724067
712	Raven.phy.n	115.879707	114.230284	115.123178	1.20430708	0.00677264
713	Raven.phy.n	115.933358	113.824423	115.021807	1.19058793	0.00761805
714	Raven.phy.n	116.393303	114.458276	115.317943	1.23357759	0.00709872
715	Raven.phy.n	115.778945	114.10851	114.853636	1.21275716	0.00753229
716	Raven.phy.n	115.829458	113.521212	114.587167	1.18316914	0.00798418
717	Raven.phy.n	116.070234	113.933142	114.975697	1.26026185	0.00715898
718	Raven.phy.n	115.955058	114.457677	114.897951	1.20890405	0.00746145
719	Raven.phy.n	115.948592	113.778065	115.125709	1.22086929	0.00736806

720	Raven.phy.n	116.093026	114.230776	115.129322	1.17772307	0.00774094
721	Raven.phy.n	115.449591	113.487288	114.342192	1.21762596	0.00750212
722	Raven.phy.n	116.559681	114.477699	115.576332	1.23373069	0.00679199
723	Raven.phy.n	116.079293	114.334108	115.129031	1.17720902	0.00767885
724	Raven.phy.n	115.768146	114.076363	114.704681	1.15822374	0.00776562
725	Raven.phy.n	115.990436	113.460285	114.872232	1.21690594	0.00768076
726	Raven.phy.n	115.573471	113.829919	114.74256	1.20640943	0.0075235
727	Raven.phy.n	115.482888	113.144946	114.354701	1.15913331	0.00826782
728	Raven.phy.n	116.584568	114.436046	115.437223	1.20549337	0.00751165
729	Raven.phy.n	116.185586	113.986535	115.167791	1.27821972	0.00673003
730	Raven.phy.n	115.794057	114.070299	114.866955	1.17963739	0.00732685
731	Raven.phy.n	116.249715	114.364041	115.128324	1.26631487	0.00677079
732	Raven.phy.n	116.232397	114.014302	115.121287	1.18756004	0.00710614
733	Raven.phy.n	115.806847	113.191014	114.347477	1.26273004	0.00725204
734	Raven.phy.n	116.464	114.640769	115.461525	1.21017974	0.00676554
735	Raven.phy.n	115.863515	113.877003	115.130147	1.18025503	0.00738938
736	Raven.phy.n	115.962959	113.655954	114.889549	1.2236874	0.0078504
737	Raven.phy.n	115.724668	114.475728	114.792061	1.20262586	0.00673145
738	Raven.phy.n	116.192447	114.201723	115.078624	1.22578808	0.00703477
739	Raven.phy.n	116.51427	114.176101	115.399947	1.26987614	0.00725973
740	Raven.phy.n	116.100758	114.473591	115.093394	1.18516846	0.00709555
741	Raven.phy.n	116.344154	114.063622	115.315517	1.24060948	0.00722698
742	Raven.phy.n	115.618214	113.320398	114.742836	1.24924241	0.00736367
743	Raven.phy.n	115.784148	113.940231	114.872292	1.16735843	0.00762592
744	Raven.phy.n	116.186314	114.881522	115.295953	1.16090137	0.00768862
745	Raven.phy.n	115.786312	114.268244	114.878504	1.2328372	0.00696025
746	Raven.phy.n	116.168254	114.086376	114.954421	1.23186663	0.00769148
747	Raven.phy.n	116.095921	113.910938	114.927076	1.23832834	0.006999
748	Raven.phy.n	116.311134	114.044906	115.171976	1.18767023	0.00715713
749	Raven.phy.n	116.270288	113.856042	115.196467	1.18755843	0.00791602
750	Raven.phy.n	116.188219	114.195903	115.048823	1.21758107	0.00782638
751	Raven.phy.n	115.769158	114.047266	114.774594	1.18976348	0.00754367
752	Raven.phy.n	116.33266	114.671283	115.499996	1.21985412	0.00702832
753	Raven.phy.n	115.895205	113.519121	114.830198	1.22514609	0.00751022
754	Raven.phy.n	115.535396	114.068499	114.750488	1.18941356	0.00709185
755	Raven.phy.n	116.449375	114.22863	115.219551	1.24050798	0.00693988
756	Raven.phy.n	116.204917	114.730197	115.158556	1.2740412	0.00642469
757	Raven.phy.n	116.014836	114.171868	115.000543	1.18721276	0.00782494
758	Raven.phy.n	116.046091	114.261824	115.266283	1.17319931	0.00775355
759	Raven.phy.n	115.82064	113.310224	114.607377	1.2359525	0.00767363
760	Raven.phy.n	116.008654	114.542074	115.024553	1.24586965	0.00697228
761	Raven.phy.n	115.672673	112.978064	114.458515	1.17964083	0.00840438
762	Raven.phy.n	115.597969	113.080809	114.563826	1.23987611	0.00733003
763	Raven.phy.n	116.399646	114.437362	115.516867	1.23205767	0.00673852
764	Raven.phy.n	115.572337	113.228257	114.267434	1.22298718	0.0069833

765	Raven.phy.n	115.761364	113.450007	114.826689	1.20102634	0.00795986
766	Raven.phy.n	116.062459	114.432369	114.904112	1.24561571	0.00686742
767	Raven.phy.n	115.614726	113.354078	114.53068	1.17818472	0.00817047
768	Raven.phy.n	115.425974	113.902707	114.634772	1.19094819	0.00725552
769	Raven.phy.n	116.013652	113.896517	114.83104	1.22761685	0.00712443
770	Raven.phy.n	116.743289	115.386341	116.072474	1.25063424	0.00628191
771	Raven.phy.n	116.156285	114.088418	115.059429	1.23413694	0.0074258
772	Raven.phy.n	116.182927	114.07651	115.044594	1.28239706	0.00652411
773	Raven.phy.n	116.117552	114.075564	115.395814	1.17262501	0.00724744
774	Raven.phy.n	116.083892	114.453307	115.140931	1.17294202	0.00722022
775	Raven.phy.n	116.181437	114.139689	115.293303	1.20620209	0.00648949
776	Raven.phy.n	116.24025	113.813771	115.270601	1.2464183	0.00712346
777	Raven.phy.n	115.862506	114.207035	114.878395	1.23343402	0.00698093
778	Raven.phy.n	115.187917	113.318159	114.388157	1.19290498	0.00715806
779	Raven.phy.n	116.371404	115.202191	115.620012	1.14247779	0.00699884
780	Raven.phy.n	115.115381	112.818708	114.211634	1.23644516	0.0073345
781	Raven.phy.n	116.633145	113.907504	115.534444	1.23925573	0.00741936
782	Raven.phy.n	115.481317	113.613186	114.375609	1.19212524	0.00727488
783	Raven.phy.n	115.62977	113.408573	114.487867	1.20216071	0.00706609
784	Raven.phy.n	116.106371	114.233624	115.161156	1.18317831	0.00752972
785	Raven.phy.n	115.946868	114.530376	115.158035	1.19809321	0.00701049
786	Raven.phy.n	116.039365	114.620127	115.102598	1.21458646	0.00744115
787	Raven.phy.n	116.397987	114.438356	115.186366	1.20343947	0.006619
788	Raven.phy.n	116.29941	114.335405	115.32471	1.2449167	0.00687061
789	Raven.phy.n	115.681071	113.763362	114.639522	1.22175744	0.00755102
790	Raven.phy.n	116.064437	113.235647	114.800686	1.24754707	0.00694403
791	Raven.phy.n	116.147182	113.787529	115.001127	1.24004701	0.0070326
792	Raven.phy.n	115.733465	114.264606	114.827409	1.18200794	0.0075942
793	Raven.phy.n	116.122558	114.399852	115.272573	1.20695227	0.00702226
794	Raven.phy.n	116.654043	114.666829	115.710838	1.25452999	0.00636013
795	Raven.phy.n	116.113982	114.057752	115.290452	1.17267215	0.00734931
796	Raven.phy.n	116.390295	115.056699	115.297431	1.18489711	0.00721437
797	Raven.phy.n	115.859932	113.919005	114.898022	1.2110658	0.00738837
798	Raven.phy.n	115.839838	113.595936	114.658057	1.21467554	0.00685907
799	Raven.phy.n	116.120454	114.359409	115.177582	1.21800143	0.00632988
800	Raven.phy.n	115.568812	113.65963	114.849247	1.16491835	0.00796296
801	Thompson.pl	232.211611	228.80718	228.240503	1.66387986	0.00697876
802	Thompson.pl	233.830754	229.330098	229.997898	1.66913635	0.00676601
803	Thompson.pl	232.963038	228.881386	228.07567	1.67409383	0.00672774
804	Thompson.pl	233.045523	229.566357	229.666914	1.64120004	0.00715901
805	Thompson.pl	233.308019	229.378035	229.536145	1.6595825	0.0071267
806	Thompson.pl	232.737471	228.601784	228.772193	1.64315936	0.00693066
807	Thompson.pl	232.633406	229.119752	228.366121	1.65326273	0.00730135
808	Thompson.pl	234.329333	230.805179	231.217534	1.65587487	0.00666155
809	Thompson.pl	233.565962	229.683142	229.868336	1.65789503	0.0069912

810 Thompson.pl	233.565145	229.610783	228.941531	1.71768918	0.00666449
811 Thompson.pl	233.668919	229.716978	229.500887	1.66576877	0.0069055
812 Thompson.pl	233.371552	230.632672	230.039796	1.64894258	0.00715874
813 Thompson.pl	233.156965	229.857807	228.871222	1.69512929	0.00700923
814 Thompson.pl	233.083335	229.212669	228.398476	1.66660563	0.00703865
815 Thompson.pl	234.010606	230.254042	230.126509	1.67942842	0.00659245
816 Thompson.pl	233.85679	229.469824	229.376805	1.69337709	0.00682265
817 Thompson.pl	232.977701	228.999147	229.30381	1.65495597	0.0069392
818 Thompson.pl	233.484728	228.916872	229.515608	1.66284102	0.00690504
819 Thompson.pl	233.540941	229.995675	229.732456	1.68065835	0.00703254
820 Thompson.pl	234.531043	229.379263	229.666187	1.70621328	0.00681164
821 Thompson.pl	234.131147	229.092111	229.538131	1.69794078	0.00671378
822 Thompson.pl	232.465887	228.564432	228.228052	1.63374803	0.0070875
823 Thompson.pl	233.65717	229.760303	229.473418	1.65683714	0.00692789
824 Thompson.pl	233.904197	229.25193	228.974644	1.707453	0.0067653
825 Thompson.pl	234.133632	229.499507	230.269453	1.70945759	0.00653974
826 Thompson.pl	233.966442	229.716095	230.57608	1.65374366	0.00673524
827 Thompson.pl	234.270017	230.028801	230.293225	1.66990154	0.00677329
828 Thompson.pl	233.897925	228.989257	229.10323	1.6593613	0.00690541
829 Thompson.pl	233.172982	229.393515	229.764497	1.66233156	0.00695817
830 Thompson.pl	233.382282	230.025932	230.354458	1.64468424	0.00707401
831 Thompson.pl	233.592942	230.222133	230.27466	1.63819436	0.00693132
832 Thompson.pl	232.744135	229.036934	229.494502	1.67385081	0.00676527
833 Thompson.pl	233.155822	229.51705	229.439827	1.67104912	0.00680695
834 Thompson.pl	233.726644	229.865293	230.309086	1.67080886	0.00676417
835 Thompson.pl	233.024105	229.049476	228.639907	1.68181758	0.00711205
836 Thompson.pl	233.923831	229.26071	229.906345	1.67818489	0.00691711
837 Thompson.pl	232.842238	229.298241	228.894279	1.64267687	0.00700739
838 Thompson.pl	233.586885	228.970415	229.591333	1.66363384	0.00685824
839 Thompson.pl	232.830248	229.008292	228.586732	1.65514903	0.00711855
840 Thompson.pl	232.89473	229.221387	228.761496	1.64499594	0.00708711
841 Thompson.pl	232.553949	229.186941	228.055121	1.64552786	0.00719464
842 Thompson.pl	233.308885	229.614014	229.623467	1.65586963	0.00686217
843 Thompson.pl	232.639998	228.069588	228.045202	1.6889659	0.00680971
844 Thompson.pl	234.518972	230.082978	230.265964	1.69723966	0.00666525
845 Thompson.pl	233.885139	229.088891	229.885545	1.66494738	0.00681514
846 Thompson.pl	234.261905	230.538096	230.077145	1.65915149	0.00699064
847 Thompson.pl	233.13227	229.303066	229.358213	1.65596434	0.00708133
848 Thompson.pl	233.709142	229.865625	229.925639	1.64595966	0.00685275
849 Thompson.pl	232.687505	229.469086	229.037118	1.65073946	0.00715017
850 Thompson.pl	232.96053	229.501051	229.140547	1.66465582	0.00695614
851 Thompson.pl	232.679237	228.804417	229.150131	1.64619478	0.0068848
852 Thompson.pl	233.668281	229.834203	229.933493	1.6811178	0.00680999
853 Thompson.pl	232.569317	228.622697	228.485118	1.65843853	0.00684675
854 Thompson.pl	233.428191	229.001386	228.838057	1.66636985	0.00685581

855 Thompson.pl	233.296756	228.78777	229.123166	1.6675756	0.00681111
856 Thompson.pl	232.717867	229.292073	228.708424	1.66840346	0.00689398
857 Thompson.pl	234.415752	230.342451	230.532877	1.701976	0.00677719
858 Thompson.pl	233.689954	230.466674	230.229257	1.66720216	0.00685306
859 Thompson.pl	233.799768	230.052192	229.230212	1.69342829	0.00705196
860 Thompson.pl	234.061858	229.076265	230.300496	1.65609195	0.00689853
861 Thompson.pl	233.526684	229.539607	229.450078	1.68110018	0.00709185
862 Thompson.pl	233.685304	230.276706	229.829206	1.67980284	0.00669653
863 Thompson.pl	233.642444	229.871145	229.666925	1.66349231	0.00692185
864 Thompson.pl	233.24881	228.667591	229.386635	1.63676887	0.00680363
865 Thompson.pl	232.649302	228.542354	227.81851	1.64610103	0.0070581
866 Thompson.pl	233.682368	229.691492	229.771756	1.67046213	0.00679429
867 Thompson.pl	233.993602	229.93041	230.033604	1.687366	0.00696417
868 Thompson.pl	234.545601	230.086415	230.825878	1.65849589	0.0066375
869 Thompson.pl	233.907723	230.248913	230.614782	1.65449501	0.00666374
870 Thompson.pl	232.366274	228.743432	227.618933	1.6759013	0.00690384
871 Thompson.pl	233.160427	230.290203	229.890784	1.64984777	0.00695662
872 Thompson.pl	233.782252	229.395436	229.106647	1.72134517	0.00674436
873 Thompson.pl	233.55253	228.965945	228.960798	1.69699944	0.00685094
874 Thompson.pl	233.982896	229.838542	229.473502	1.66243526	0.00700019
875 Thompson.pl	233.345843	229.303105	229.626877	1.68072854	0.00686883
876 Thompson.pl	232.376457	229.137376	228.209556	1.65267436	0.00719271
877 Thompson.pl	233.698218	229.685109	229.470034	1.67036063	0.00684779
878 Thompson.pl	233.417934	229.854417	229.919846	1.63945975	0.00706471
879 Thompson.pl	232.402883	228.607327	228.109882	1.64954257	0.00719735
880 Thompson.pl	233.550374	229.367775	229.9142	1.68206563	0.0070056
881 Thompson.pl	232.971631	229.20005	228.801256	1.65043352	0.00716732
882 Thompson.pl	233.744459	228.898198	229.127215	1.69269023	0.00672417
883 Thompson.pl	233.737538	229.214168	229.294571	1.67360311	0.00672011
884 Thompson.pl	232.965237	229.713586	229.277892	1.6541503	0.00693628
885 Thompson.pl	233.834053	230.195656	230.332641	1.66471373	0.00689912
886 Thompson.pl	233.264521	229.146778	229.032531	1.6707488	0.00692447
887 Thompson.pl	234.128403	229.808881	230.315994	1.67341991	0.00679002
888 Thompson.pl	233.289985	228.898805	229.203036	1.67871836	0.00667779
889 Thompson.pl	232.869898	229.180718	228.492133	1.65796216	0.00729211
890 Thompson.pl	233.443565	229.396822	229.374744	1.65607847	0.00697972
891 Thompson.pl	233.080566	228.920107	229.174272	1.65548503	0.00711077
892 Thompson.pl	233.968951	229.304365	229.231658	1.69828054	0.00673718
893 Thompson.pl	233.645828	229.850555	230.315852	1.66648011	0.006805
894 Thompson.pl	232.997458	229.388989	228.757891	1.68138348	0.0070464
895 Thompson.pl	233.656287	229.508947	229.878769	1.69484298	0.00688567
896 Thompson.pl	233.540633	229.061032	228.96906	1.71252862	0.00684923
897 Thompson.pl	232.994103	229.055472	228.684871	1.63995335	0.00703704
898 Thompson.pl	233.078174	229.623602	229.706772	1.69117367	0.0069017
899 Thompson.pl	233.67961	229.794212	229.195897	1.67927811	0.00718555

900 Thompson.pl	232.831653	228.400904	228.08654	1.66596656	0.00682407
901 benson1_FA	3478.21008	3467.03058	3468.44654	2.09042969	0.00373545
902 benson1_LAI	3489.39494	3479.36986	3482.0948	2.14908291	0.00349172
903 benson1_mic	3520.50427	3509.18548	3511.76768	2.23023383	0.00320621
904 benson2_FA	3442.0946	3428.87734	3429.72874	2.05523511	0.0039095
905 benson2_LAI	3450.4784	3438.46185	3439.77069	2.10286205	0.00360367
906 benson2_mic	3471.7845	3461.01864	3463.11129	2.18583127	0.0033471
907 lloyd_FAD.txt	2408.05106	2397.09244	2397.61939	2.15958767	0.00454105
908 lloyd_LAD.txt	2396.70643	2386.80799	2388.36159	2.17697927	0.00428151
909 lloyd_midpoir	2402.4889	2391.67234	2393.63377	2.24536082	0.00388426

null_lower9	null_upper9	null_lower9	null_upper9	null_ess	null_pMCMC	slow_post_r
0.94865268	1.79656096	0.00602463	0.01433527	450	0.00222222	0.83549202
1.05399155	1.83023809	0.0066473	0.0145194	450	0.00222222	0.83203755
0.94588988	1.71973036	0.00563211	0.01335454	450	0.00222222	0.75999356
1.02394151	1.81429837	0.00651309	0.01368792	450	0.00222222	0.72194975
0.94398137	1.76359748	0.00524392	0.01396925	450	0.00222222	0.78859173
0.98178472	1.8007482	0.00593694	0.01366681	450	0.00222222	0.78005516
0.93989864	1.81468042	0.00649447	0.01449992	450	0.00222222	0.67502968
0.98709163	1.7795811	0.00635186	0.01410734	450	0.00222222	0.77608217
0.90209569	1.74978613	0.00667221	0.01410199	382.620401	0.00222222	0.71553053
0.91068613	1.77931311	0.00627565	0.01415381	450	0.00222222	0.70461139
1.02914733	1.7822207	0.00627126	0.01361551	450	0.00222222	0.76936261
0.96647714	1.77620908	0.00608464	0.01340737	450	0.00222222	0.73502513
0.95699516	1.80915757	0.00707982	0.01473341	450	0.00222222	0.6575038
0.95856575	1.74038601	0.00533917	0.01341279	450	0.00222222	0.72644737
0.9885037	1.7796081	0.00644493	0.01424609	450	0.00222222	0.78395386
0.89876485	1.73318893	0.00656482	0.01451285	520.734035	0.00222222	0.67957298
1.0258359	1.76897797	0.00584595	0.01370062	450	0.00222222	0.75255732
1.0052273	1.73388936	0.0066642	0.01457083	450	0.00222222	0.67982809
0.98985581	1.83072574	0.00582632	0.01409853	450	0.00222222	0.8244836
1.07410669	1.88453647	0.00528859	0.01296002	450	0.00222222	0.79361269
0.90248861	1.6949763	0.00652181	0.01437838	450	0.00222222	0.70693479
0.96611373	1.79000849	0.0048146	0.01333269	450	0.00222222	0.82280653
0.9546577	1.77321208	0.00659931	0.01342371	450	0.00222222	0.67608854
1.02249314	1.81446453	0.00516064	0.01306049	450	0.00222222	0.75735088
0.99225507	1.79889174	0.00521404	0.0135736	450	0.00222222	0.73102719
0.96487135	1.78444431	0.00644719	0.01416207	427.781351	0.00222222	0.65499865
0.91197714	1.66981512	0.006156	0.0142991	450	0.00222222	0.78345884
0.91889663	1.80302469	0.0067211	0.01432928	449.466949	0.00222222	0.69939667
0.99558986	1.75781751	0.00568786	0.01325217	450	0.00222222	0.65402899
0.93590521	1.76826091	0.00619505	0.01418762	450	0.00222222	0.73777039
0.96692166	1.7465523	0.00641488	0.01463088	450	0.00222222	0.68838455
1.06436076	1.82235753	0.00536392	0.01349371	450	0.00222222	0.73989058
1.01190681	1.78577302	0.00661271	0.01396274	450	0.00222222	0.76294931
0.97402864	1.75348363	0.00602829	0.01380045	993.68586	0.00222222	0.75573594
1.04075207	1.83434319	0.00630811	0.01374011	474.772218	0.00222222	0.65987396
1.01702202	1.74078746	0.0062043	0.01350196	517.126513	0.00222222	0.73804041
1.12735714	1.89693547	0.00547719	0.01329704	450	0.00222222	0.86689187
0.95028858	1.80072009	0.00581439	0.01430539	450	0.00222222	0.72294741
0.96478241	1.73525366	0.00616248	0.01419359	450	0.00222222	0.74090112
0.96507056	1.75977692	0.00579546	0.01338994	450	0.00222222	0.63397889
1.06249856	1.81317457	0.00509098	0.01346241	450	0.00222222	0.77227826
0.8997254	1.71998386	0.00559598	0.01381101	450	0.00222222	0.66188964
1.00427711	1.84216134	0.00602852	0.01445349	450	0.00222222	0.78429671
0.89098282	1.79861993	0.00622406	0.01408974	450	0.00222222	0.69081454

0.95188317	1.81355011	0.00565047	0.01429349	392.679724	0.00222222	0.64905725
0.96864826	1.8154334	0.00533073	0.01404984	450	0.00222222	0.80356251
0.92342011	1.74405942	0.00550996	0.0134808	450	0.00222222	0.70301334
0.87400406	1.71598606	0.00713922	0.01479678	450	0.00222222	0.66466056
1.00569984	1.8216333	0.00580581	0.01358928	450	0.00222222	0.69591965
0.92811847	1.71997351	0.00597653	0.01393865	450	0.00222222	0.74844618
1.0114543	1.77163209	0.00617339	0.0144291	450	0.00222222	0.75446059
1.01969588	1.80862573	0.00552026	0.01361802	538.710286	0.00222222	0.8037675
0.95129533	1.79272993	0.00549053	0.01381867	450	0.00222222	0.69672161
0.98776389	1.82410147	0.00587658	0.01391557	450	0.00222222	0.68878263
0.96582317	1.75894568	0.00607403	0.01404496	450	0.00222222	0.74284842
1.03597793	1.84774183	0.00554427	0.01360016	450	0.00222222	0.69441251
1.04499914	1.8409533	0.00528734	0.01328688	450	0.00222222	0.72140333
1.05354021	1.84355964	0.00551245	0.01309016	450	0.00222222	0.85671118
1.06690927	1.87024019	0.00531035	0.01366376	450	0.00222222	0.77456662
0.96576246	1.73754182	0.00687256	0.01520273	450	0.00222222	0.75339546
0.95269301	1.78469137	0.00441118	0.0132052	450	0.00222222	0.71440063
0.962406	1.70150366	0.00702678	0.01400286	450	0.00222222	0.62348353
1.04922494	1.83464133	0.00661075	0.01406807	450	0.00222222	0.78725383
0.99716841	1.81096424	0.00543531	0.01302743	450	0.00222222	0.79767921
0.90943506	1.75086112	0.00634844	0.01451603	450	0.00222222	0.62836221
1.0393049	1.7903237	0.00630672	0.01307515	376.535897	0.00222222	0.76652051
0.93146325	1.70196256	0.00681333	0.01465737	387.637859	0.00222222	0.69458111
0.96388345	1.7395004	0.00553431	0.01442235	450	0.00222222	0.67563695
0.98442177	1.74670806	0.0058301	0.01354397	414.878589	0.00222222	0.67252905
1.0172479	1.82138963	0.00539539	0.01373782	397.675776	0.00222222	0.81395575
0.85822103	1.69579066	0.00643042	0.01462811	450	0.00222222	0.66449608
0.90377616	1.7231942	0.00658236	0.01436847	450	0.00222222	0.66650225
0.93497274	1.73355191	0.00627398	0.01423503	450	0.00222222	0.66658821
0.97092743	1.78962178	0.00619126	0.01486912	515.820909	0.00222222	0.83305332
0.95373264	1.76589964	0.00601787	0.01413915	450	0.00222222	0.77936024
0.9759857	1.7690326	0.005692	0.01433133	450	0.00222222	0.72473804
0.96586952	1.76122805	0.00691326	0.01426342	450	0.00222222	0.7199602
0.91384891	1.69937835	0.0066332	0.01354145	450	0.00222222	0.75204121
0.9480854	1.7545079	0.00604621	0.01460144	394.641624	0.00222222	0.75509122
0.93574263	1.75742363	0.00579168	0.01354137	513.03776	0.00222222	0.73206222
1.04489009	1.8321143	0.00485034	0.01319172	611.576824	0.00222222	0.73409434
0.90720751	1.6874976	0.00663911	0.01505314	580.287685	0.00222222	0.70707112
0.94747595	1.73856555	0.00578587	0.0141428	450	0.00222222	0.67561428
0.98226875	1.74783117	0.00597348	0.01319446	450	0.00222222	0.69806695
1.12904284	1.83781577	0.00592652	0.01359139	450	0.00222222	0.86998067
0.95851504	1.75547697	0.0064388	0.01447434	450	0.00222222	0.72346335
0.86083069	1.69593944	0.00610778	0.01378636	327.315081	0.00222222	0.67678086
0.95368875	1.75721077	0.00630646	0.01424988	450	0.00222222	0.72758543
1.02038993	1.80724025	0.00612134	0.01404218	383.925325	0.00222222	0.66918395

1.0537928	1.82594108	0.00617133	0.01422322	450	0.00222222	0.81331939
0.98708478	1.7802806	0.00576839	0.01386028	450	0.00222222	0.80596001
1.04277853	1.79418309	0.00634797	0.01352968	521.384755	0.00222222	0.68101638
0.92791373	1.74898078	0.00685942	0.01463835	522.307773	0.00222222	0.66935998
0.93109125	1.71184113	0.00615866	0.01408469	450	0.00222222	0.65480102
0.98841772	1.80599385	0.00587438	0.01382786	450	0.00222222	0.79417682
0.89252224	1.67984583	0.00581763	0.01426208	372.848029	0.00222222	0.73639606
0.9716646	1.73231785	0.00728096	0.01479695	450	0.00222222	0.78989485
0.98381367	1.718936	0.00651778	0.01433293	499.096678	0.00222222	0.68321415
0.97401541	1.76518202	0.00649622	0.0147004	533.889415	0.00222222	0.84522282
0.9368211	1.74590603	0.00580384	0.01428195	450	0.00222222	0.71443311
1.70188605	2.21091356	0.00137722	0.00536791	450	0.00222222	1.29638582
1.67702523	2.21429405	8.35E-04	0.00507381	385.635207	0.00222222	1.25245388
1.68436646	2.17920086	9.38E-04	0.00530467	450	0.00222222	1.33120825
1.70567284	2.18856926	5.90E-04	0.00501483	302.142943	0.00222222	1.22113317
1.64726602	2.18697159	8.09E-04	0.00498771	450	0.00222222	1.21219038
1.72552803	2.22501093	0.00113294	0.0052743	450	0.00222222	1.35174
1.75187719	2.24520668	8.17E-04	0.00506058	387.309064	0.00222222	1.32222068
1.71303478	2.20313694	8.95E-04	0.00517041	450	0.00222222	1.35429966
1.67802157	2.19120046	9.33E-04	0.00542558	369.315692	0.00222222	1.31481107
1.66104958	2.16561192	7.35E-04	0.00514055	389.317583	0.00222222	1.15565628
1.67127765	2.18301078	0.00102507	0.00537562	271.181853	0.00222222	1.1829149
1.70760578	2.1897106	0.00118468	0.00556879	388.438976	0.00222222	1.26630456
1.67385048	2.22854979	8.77E-04	0.00510825	369.683071	0.00222222	1.31966945
1.66662674	2.21044294	0.00124643	0.00569814	450	0.00222222	1.33687831
1.66251068	2.2295119	0.00100847	0.00531692	190.746688	0.00222222	1.27188363
1.70227673	2.20270852	5.87E-04	0.00504328	450	0.00222222	1.18474669
1.65739933	2.19568932	8.31E-04	0.00502537	450	0.00222222	1.24613964
1.68732957	2.20121365	7.17E-04	0.004991	370.634124	0.00222222	1.21502944
1.65686232	2.1734883	5.07E-04	0.00478939	450	0.00222222	1.18217475
1.69890708	2.18309223	9.17E-04	0.00522591	555.773748	0.00222222	1.30100275
1.66204144	2.20137328	0.00152373	0.005893	450	0.00222222	1.31710192
1.65516254	2.17968963	7.34E-04	0.00507881	297.67341	0.00222222	1.26626214
1.7459838	2.21861703	9.84E-04	0.00533961	219.359536	0.00222222	1.39806678
1.64299776	2.18475913	0.00124188	0.00567347	450	0.00222222	1.13906855
1.71824314	2.20178421	9.17E-04	0.00526182	450	0.00222222	1.36153048
1.70892236	2.20216031	0.00117508	0.005436	384.723196	0.00222222	1.18452278
1.7318367	2.23959937	0.00106926	0.00576844	341.220544	0.00222222	1.35176581
1.67762126	2.17119915	6.78E-04	0.00532397	450	0.00222222	1.26774568
1.71615582	2.2232778	0.00134537	0.00554934	450.129024	0.00222222	1.34874846
1.7614802	2.22740667	0.00105428	0.00552654	450	0.00222222	1.36047875
1.64271781	2.16895072	8.23E-04	0.00498954	450	0.00222222	1.1410158
1.59338728	2.1723381	7.40E-04	0.00522535	387.244652	0.00222222	1.17371339
1.67480109	2.19566775	0.00110953	0.00523795	450	0.00222222	1.21181274
1.63396833	2.1731286	8.42E-04	0.00562211	371.475031	0.00222222	1.22538521

1.71027652	2.19763102	9.69E-04	0.00553786	375.795484	0.00222222	1.1531
1.69756075	2.20226455	0.0012052	0.00542026	335.468299	0.00222222	1.28961903
1.70137538	2.21407372	9.34E-04	0.00537927	450	0.00222222	1.30774846
1.69029001	2.18688154	9.69E-04	0.00541535	450	0.00222222	1.28372002
1.67645244	2.20763476	0.00110261	0.0051978	522.799057	0.00222222	1.17157471
1.71823559	2.22581312	0.00139759	0.00563296	450	0.00222222	1.27862618
1.73942789	2.22054282	0.0012634	0.00562157	450	0.00222222	1.31556685
1.67151834	2.24057461	6.20E-04	0.00528846	329.390207	0.00222222	1.19346961
1.72398746	2.19213349	0.00122977	0.00550578	450	0.00222222	1.25647382
1.67867701	2.18368672	9.65E-04	0.00531576	388.864618	0.00222222	1.31440019
1.67976705	2.17984685	8.43E-04	0.00492225	450	0.00222222	1.29433469
1.67677698	2.18511213	0.00136875	0.00543306	450	0.00222222	1.29613191
1.77285599	2.26837373	0.00103582	0.00570543	450	0.00222222	1.38074796
1.72259672	2.18920883	8.23E-04	0.00536069	360.794083	0.00222222	1.29098944
1.66824644	2.2089248	0.00136373	0.00591855	513.602313	0.00222222	1.21011861
1.67341342	2.17358797	0.001471	0.00585913	450	0.00222222	1.16174804
1.71542591	2.18509128	7.83E-04	0.00516865	519.788049	0.00222222	1.2904028
1.65026038	2.17505973	0.00150311	0.00569577	450	0.00222222	1.20050293
1.68949412	2.17455324	7.19E-04	0.00488572	450	0.00222222	1.18589085
1.67692652	2.22798382	8.97E-04	0.00554856	274.238318	0.00222222	1.34365346
1.68542581	2.21115652	0.00110715	0.00533418	388.739855	0.00222222	1.30779037
1.72625053	2.20772077	4.00E-04	0.00472959	450	0.00222222	1.24485108
1.7484093	2.27927177	0.00133844	0.00578779	369.750865	0.00222222	1.3516897
1.70989217	2.20556549	8.11E-04	0.0049021	450	0.00222222	1.30670702
1.66811414	2.20358147	4.88E-04	0.0050821	342.976686	0.00222222	1.3397635
1.67076371	2.21755073	8.52E-04	0.00470434	365.67419	0.00222222	1.1285398
1.69678891	2.2192851	0.00109314	0.00539736	189.404628	0.00222222	1.3567743
1.67575112	2.19404928	0.00111738	0.00537904	450	0.00222222	1.23781704
1.65503574	2.15864649	7.22E-04	0.00568091	364.256234	0.00222222	1.16848638
1.63669037	2.1544757	9.41E-04	0.00505396	450	0.00222222	1.19987603
1.6212623	2.17339111	0.00124354	0.00530658	450	0.00222222	1.23972024
1.70376856	2.20748809	0.00104746	0.00549019	320.255341	0.00222222	1.29770042
1.68026813	2.23119422	8.62E-04	0.0051592	390.776763	0.00222222	1.22090548
1.66388053	2.1591721	6.94E-04	0.00504961	450	0.00222222	1.2946138
1.65172397	2.1774251	5.66E-04	0.00518997	387.438865	0.00222222	1.28650704
1.67957519	2.17825489	9.02E-04	0.00553272	321.109039	0.00222222	1.25424371
1.65334876	2.17953461	7.11E-04	0.00501629	325.895139	0.00222222	1.23677654
1.70831188	2.18860759	9.04E-04	0.00523399	344.351483	0.00222222	1.36627933
1.62121395	2.19009241	9.35E-04	0.00511825	450	0.00222222	1.14753738
1.67325501	2.19924519	0.00106723	0.00559574	450	0.00222222	1.23793389
1.66810925	2.21088062	7.14E-04	0.00520042	450	0.00222222	1.31794102
1.68158086	2.1963013	6.90E-04	0.00519692	376.754531	0.00222222	1.28955735
1.70625413	2.22727023	7.45E-04	0.00540841	450	0.00222222	1.30447458
1.5854015	2.18633576	8.47E-04	0.00549521	450	0.00222222	1.07260909
1.67057447	2.19189786	8.08E-04	0.00510711	450	0.00222222	1.20503525

1.69840291	2.18477667	0.00102968	0.00587028	450	0.00222222	1.29429338
1.73986798	2.23437071	0.00125126	0.005164	450	0.00222222	1.28494324
1.72611656	2.23552363	0.00116709	0.00531306	364.210784	0.00222222	1.39029626
1.6216911	2.17284304	7.27E-04	0.00490493	388.90526	0.00222222	1.19686362
1.67845543	2.1793163	8.29E-04	0.0050875	450	0.00222222	1.19740734
1.72296798	2.19614463	0.00122784	0.00553309	450	0.00222222	1.34449054
1.6952293	2.18432534	0.00104392	0.00522804	450	0.00222222	1.2037112
1.63775994	2.16147328	7.83E-04	0.00544787	327.153689	0.00222222	1.16348994
1.67152381	2.16897022	9.30E-04	0.00504579	450	0.00222222	1.26644529
1.64616641	2.17765132	0.00128128	0.00556179	450	0.00222222	1.20322048
1.73212867	2.24267539	9.30E-04	0.00526481	450	0.00222222	1.42492188
1.64920802	2.199927	8.27E-04	0.00490298	342.42739	0.00222222	1.15345383
1.76678705	2.24670697	7.60E-04	0.00499087	344.322918	0.00222222	1.42595203
1.70328905	2.24104024	6.37E-04	0.00514212	450	0.00222222	1.36608354
1.70522576	2.2006297	0.00128509	0.00557482	450	0.00222222	1.32626603
1.62852948	2.21386377	0.00112649	0.00552454	518.188351	0.00222222	1.30462838
1.70267294	2.20726132	0.0012206	0.00545072	450	0.00222222	1.33632561
1.67893164	2.18387851	8.91E-04	0.00494671	450	0.00222222	1.20553078
1.62903739	2.17550001	0.00120382	0.00528038	450	0.00222222	1.18829231
1.67187698	2.17375201	6.12E-04	0.00509817	364.624224	0.00222222	1.27440218
1.71170367	2.21711601	0.00103216	0.00537101	450	0.00222222	1.32582677
1.93267588	2.2948161	0.00194907	0.00609364	450	0.00222222	1.94826367
1.94878373	2.29762695	0.00159455	0.00613785	450	0.00222222	1.95049157
1.93075222	2.26434395	0.00140159	0.00569498	450	0.00222222	2.00441847
1.94731744	2.30518096	0.00125862	0.00587457	450	0.00222222	1.97437573
1.9111225	2.25516681	0.00177063	0.00594567	450	0.00222222	1.98895717
1.91535318	2.24972146	0.0016761	0.00600159	450	0.00222222	1.96795875
1.95711522	2.29545752	0.00142112	0.00568398	450	0.00222222	1.98956037
1.92658245	2.25407294	0.00179046	0.00595173	450	0.00222222	1.95126841
1.9359959	2.27293335	0.00180605	0.00605334	450	0.00222222	1.94774472
1.92526653	2.29162501	0.00184777	0.00603528	450	0.00222222	1.93846497
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1.93616743	2.27961404	0.00127712	0.00566746	450	0.00222222	2.00670383
1.91437135	2.28200121	0.00168517	0.00592285	450	0.00222222	1.95632565
1.94562373	2.30271603	0.00177678	0.00603129	450	0.00222222	1.97469777
1.91306967	2.27646185	0.00198903	0.00615559	450	0.00222222	1.97633697
1.93299947	2.30043426	0.00145263	0.00616024	450	0.00222222	2.00214807
1.94333257	2.29978969	0.00123875	0.00574973	450	0.00222222	1.98386699
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1.93512798	2.30628503	0.00137775	0.00604222	450	0.00222222	1.95942681
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1.92022685	2.28078677	0.00153662	0.0056753	450	0.00222222	1.97066031
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1.92846812	2.28999385	0.00185841	0.00608113	450	0.00222222	1.96830842
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1.92550218	2.28160957	0.00165728	0.00579176	628.241737	0.00222222	1.95490326
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1.91160726	2.2753522	0.00167134	0.00619309	610.709249	0.00222222	1.97448587
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0.63426713	2.00678616	-0.01762229	0.05346787	450	0.00222222	1.09355889
0.8406383	2.11040552	-0.01984753	0.04722185	450	0.00222222	1.06849218
1.09719992	2.1136247	-0.01232565	0.0487016	939.386964	0.00222222	1.1797872
1.07400649	2.12717764	-0.01937354	0.04348777	563.942141	0.00222222	1.08037379
0.96558541	2.10083961	-0.01246167	0.03958906	450	0.00222222	1.11769725
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0.76727107	2.0305092	-0.02025118	0.04288429	450	0.00222222	1.02779522
1.0184349	2.23593699	-0.02568054	0.03109644	450	0.00222222	1.0528811
1.12775656	2.25026704	-0.01959907	0.03494375	450	0.00222222	1.19372431
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1.04309626	2.14225023	-0.01305364	0.04479399	450	0.00222222	1.01369152
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1.03776002	2.23606552	-0.02158789	0.03334737	450	0.00222222	1.24806581
0.94755722	1.97762634	-0.0080017	0.04798677	382.118309	0.00222222	1.29619922
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1.12314238	2.15588687	-0.01732331	0.04041758	530.039569	0.00222222	1.09081159
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1.62089528	2.099084	0.00150921	0.01099358	450	0.00222222	1.63909023
1.72051086	2.13446366	0.0016038	0.00999736	450	0.00222222	1.7066747
1.70364582	2.12798544	8.85E-04	0.00994013	450	0.00222222	1.69075326
1.69365484	2.11365555	8.74E-04	0.00941311	450	0.00222222	1.65891959
1.63289824	2.09470699	0.0015361	0.0103102	450	0.00222222	1.59735347
1.66417009	2.09660646	5.72E-04	0.00993813	450	0.00222222	1.63896925
1.65815966	2.09541891	6.21E-05	0.01009636	450	0.00222222	1.6094728
1.68114239	2.1259051	7.19E-04	0.00912899	450	0.00222222	1.66047556
1.62396343	2.09622128	3.69E-04	0.00900841	450	0.00222222	1.63045698
1.56557776	2.07960075	0.0010847	0.01040593	450	0.00222222	1.5429568
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1.70992424	2.11721339	9.91E-04	0.01039808	450	0.00222222	1.69619673
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1.52830661	2.02874357	0.00101717	0.00991264	450	0.00222222	1.52796715
1.65877406	2.10562903	5.52E-04	0.00972129	450	0.00222222	1.66399928
1.68153049	2.11101787	0.00142002	0.00933528	589.956194	0.00222222	1.6322703
1.6197686	2.09177788	0.00146428	0.01019437	450.910237	0.00222222	1.55092994
1.63838879	2.09920162	6.26E-04	0.00931906	450	0.00222222	1.66168555
1.66101182	2.11009946	7.77E-04	0.00940826	450	0.00222222	1.6392061
1.65441812	2.08350611	4.59E-04	0.00909623	341.078653	0.00222222	1.66242194
1.67580041	2.12022972	7.89E-04	0.00990901	450	0.00222222	1.65987086

1.67064884	2.12025467	0.00113394	0.01002932	450	0.00222222	1.60706502
1.69487826	2.13936167	3.07E-04	0.00930923	450	0.00222222	1.72226528
1.5492273	2.07111273	0.00142021	0.01059749	450	0.00222222	1.52092783
1.69747566	2.10318583	0.00192589	0.01016317	371.909486	0.00222222	1.68785584
1.64221903	2.14356298	8.42E-04	0.00967055	450	0.00222222	1.62575302
1.62817879	2.07784691	0.00150613	0.00988303	535.247092	0.00222222	1.62228755
1.61118143	2.08110097	0.00180522	0.01029667	666.38491	0.00222222	1.5247106
1.65832394	2.0781465	6.25E-04	0.00937511	450	0.00222222	1.6046577
1.72587005	2.13768765	7.75E-04	0.00953818	450	0.00222222	1.6647511
1.6721651	2.11563914	0.00113013	0.01026621	561.318814	0.00222222	1.67503697
1.7244838	2.13895066	0.0017704	0.00975792	451.059792	0.00222222	1.68944353
1.68244027	2.109198	0.00118686	0.0098962	450	0.00222222	1.61771647
1.62570675	2.11963011	2.97E-04	0.00924264	450	0.00222222	1.60979499
1.68400704	2.12166687	0.00193992	0.01018352	376.679105	0.00222222	1.66191935
1.70248943	2.14105352	8.69E-04	0.00965832	946.647872	0.00222222	1.69730158
1.65375144	2.11136258	0.00152566	0.01069938	395.129908	0.00222222	1.60797582
1.65857557	2.11406071	9.46E-04	0.0095234	552.116499	0.00222222	1.66187758
1.64870835	2.12200984	5.86E-04	0.00973812	450	0.00222222	1.62996512
1.66534485	2.12578062	7.54E-04	0.00980676	450	0.00222222	1.64736966
1.67231041	2.10050826	0.00148906	0.01098426	450	0.00222222	1.60130841
1.64013241	2.13028673	7.69E-04	0.00954921	450	0.00222222	1.64997265
1.60308186	2.09419578	2.95E-04	0.00951571	427.929611	0.00222222	1.55357621
1.67007487	2.11411614	0.00145669	0.00983981	450	0.00222222	1.69061586
1.66854707	2.08173316	9.62E-04	0.01073003	450	0.00222222	1.64732974
1.60196767	2.10731549	0.00124014	0.00975966	376.448635	0.00222222	1.56084591
1.7107109	2.12974211	0.00134853	0.0102204	513.492881	0.00222222	1.65788528
1.69280548	2.11829797	5.65E-04	0.00951865	450	0.00222222	1.67249317
1.62784529	2.10200411	7.99E-04	0.01067445	450	0.00222222	1.62344128
1.67484245	2.08838624	0.00231905	0.01094183	421.882985	0.00222222	1.63454366
1.67949128	2.09518711	7.95E-04	0.00999255	450	0.00222222	1.63292081
1.68939984	2.12627082	9.66E-04	0.00949236	450	0.00222222	1.63777325
1.63520429	2.09034236	5.20E-04	0.00970989	450	0.00222222	1.61174586
1.65771474	2.11682531	0.00192161	0.01110187	391.676862	0.00222222	1.64460567
1.62513051	2.08018219	6.15E-04	0.00926278	450	0.00222222	1.61460128
1.67601464	2.10653354	9.06E-04	0.00998449	450	0.00222222	1.63917182
1.69272929	2.12538442	0.00124111	0.01046581	450	0.00222222	1.68609407
1.66520843	2.14869783	0.00154291	0.00993388	450	0.00222222	1.64037394
1.6861386	2.11237406	0.00134709	0.01036755	450	0.00222222	1.6085229
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1.68486682	2.14880149	5.97E-04	0.00948945	450	0.00222222	1.70964069
1.65666435	2.127577	5.68E-05	0.0093908	355.5901	0.00222222	1.67550521
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1.65524235	2.09785219	0.00161113	0.00984075	450	0.00222222	1.64058089
1.63769324	2.08349391	0.00132903	0.00975795	450	0.00222222	1.62286618
1.65606954	2.10953767	0.00171862	0.01040437	450	0.00222222	1.64784143

1.58431854	2.08420589	0.00155062	0.01090363	450	0.00222222	1.55452546
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1.64122524	2.08592881	0.00148831	0.00986277	532.357024	0.00222222	1.64827761
1.63857958	2.08848152	0.00157075	0.01020777	450	0.00222222	1.62666878
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1.60267765	2.06857899	0.00156046	0.01010998	450	0.00222222	1.52725388
1.65568995	2.11808558	0.00127252	0.00963476	392.510608	0.00222222	1.61482128
1.6245035	2.10244186	5.32E-04	0.00948267	545.780465	0.00222222	1.66277552
1.57295755	2.10873074	4.89E-04	0.00972662	614.541466	0.00222222	1.57236128
1.69927507	2.12875958	7.90E-04	0.00990979	707.731142	0.00222222	1.67261979
1.57833743	2.061616	8.75E-04	0.00968884	450	0.00222222	1.56492629
1.63459368	2.09881375	0.00157634	0.01055305	393.283918	0.00222222	1.55710288
1.66069221	2.11482549	9.30E-04	0.00985004	375.933853	0.00222222	1.71159152
1.67195616	2.1181517	0.00178258	0.0105632	379.157932	0.00222222	1.61012138
1.61659219	2.06346655	9.61E-04	0.00970647	450	0.00222222	1.56869123
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1.2386194	2.21026636	-0.01505175	0.04262905	450	0.00222222	1.48506441
1.06148929	2.09663249	-0.01173605	0.04232251	450	0.00222222	1.23579442
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1.01519436	2.14187223	-0.01756078	0.04393796	450	0.00222222	1.29903174
1.04181058	2.21260437	-0.01850779	0.03914682	450	0.00222222	1.00505099
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1.11504128	2.28564822	-0.02316876	0.03887857	515.677055	0.00222222	1.42111754
1.01564951	2.24836272	-0.02387655	0.04165084	450	0.00222222	1.19579855
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1.08347479	2.25400495	-0.01488948	0.03950071	450	0.00222222	1.24648793
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1.00365291	2.13951222	-0.01266337	0.04179881	450	0.00222222	1.24083109
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0.88633788	2.28025429	-0.0246336	0.04065045	514.572079	0.00222222	1.31016059
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0.870381	2.1163478	-0.02060127	0.04559773	450	0.00222222	1.09924252

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1.00773168	2.26755444	-0.01861502	0.0374373	450	0.00222222	1.27282863
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0.76547953	2.09034006	-0.02004184	0.04226118	450	0.00222222	1.25445782
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1.04533286	2.18743253	-0.02319428	0.03539046	450	0.00222222	1.32185095

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0.51873009	1.939719	-0.00175624	0.01860262	386.137101	0.00444444	0.39559063
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0.43568568	1.89010894	-0.00170616	0.01595063	450	0.00222222	0.47940362
0.49615646	1.88151384	-0.00348213	0.01620903	450	0.00222222	0.35178937
0.39930875	1.87398507	-0.00259334	0.01588647	450	0.00444444	0.42760712
0.50613169	1.87803654	-0.00162367	0.01897334	450	0.00444444	0.46037211
0.54097155	1.98858858	-0.00335752	0.01579026	730.669344	0.00444444	0.44888277
0.57212306	1.95235323	-0.00177611	0.0184164	320.314572	0.00444444	0.46217348
0.5147881	1.87525195	-0.00195221	0.01597558	450	0.00444444	0.36897922
0.39930391	1.93632272	-0.00238525	0.01708015	450	0.01333333	0.35563844
0.29627368	1.89678519	-0.00265767	0.01606535	450	0.01777778	0.36829552
0.61699054	1.94487648	-0.00241533	0.01593756	450	0.00888889	0.37075276
0.51725864	1.89636225	-0.00171084	0.01775175	450	0.00222222	0.33583587
0.38692362	1.82007018	-0.00125461	0.0166115	450	0.00444444	0.39548986
0.48580912	1.84062075	-0.00168085	0.01733201	450	0.00222222	0.56830906
0.4093337	1.93524509	-0.00256788	0.01655206	450	0.00888889	0.49579698
0.51705604	1.94651359	-0.00175093	0.01672952	450	0.00444444	0.42362431

0.46165792	1.94263183	-0.00180355	0.01624748	450	0.01333333	0.28696066
0.49835919	1.97650251	-0.00374088	0.01737172	450	0.01333333	0.45306759
0.38556476	1.90907532	-0.00166544	0.01791302	450	0.00888889	0.44457989
0.46389192	1.94794794	-6.49E-04	0.01760168	702.030118	0.00888889	0.34756798
0.34491651	1.86195533	-9.39E-04	0.01654164	450	0.02222222	0.26327805
0.5110638	1.92144294	-0.00220848	0.01702055	450	0.00444444	0.37703044
0.54227865	1.90273509	-0.00226392	0.01626384	450	0.00888889	0.36792746
0.46738188	1.9005168	-1.48E-04	0.01874525	269.336436	0.00888889	0.29891388
0.3790764	1.88857865	-0.00339005	0.01519778	450	0.00888889	0.39480207
0.51953124	1.93166381	-7.84E-04	0.01506214	450	0.00444444	0.51612345
0.43848124	1.96464348	-0.00182363	0.01846416	450	0.00444444	0.42806841
0.56150595	1.93778976	-0.00446006	0.01613545	450	0.00444444	0.53505274
0.3810558	1.93282446	-0.00264116	0.01531503	450	0.02222222	0.36781421
0.61263287	1.96550484	-0.00196581	0.01730945	450	0.00222222	0.56597475
0.4207356	1.92900229	-0.00162329	0.01721924	450	0.01333333	0.4014219
0.32259445	1.89869078	-0.0018531	0.01656377	450	0.00444444	0.24795591
0.56177687	1.93426771	-0.00142101	0.01763398	450	0.00888889	0.45462743
0.39998144	1.86346534	-0.00127034	0.01708491	450	0.00444444	0.4964867
0.49792709	2.06074385	-4.55E-04	0.01535148	809.991537	0.00444444	0.39025171
0.54892774	1.89049973	-0.00214516	0.01586617	450	0.00222222	0.40062338
0.41547254	1.89920198	-0.00202604	0.01608965	450	0.00444444	0.27947767
0.41092413	1.94535021	-0.00251772	0.01803277	450	0.00444444	0.43376934
0.50634099	1.88235341	-4.73E-04	0.01712451	378.793488	0.00222222	0.49708564
0.52167913	1.99970095	-0.00153524	0.01710984	578.494556	0.00222222	0.34863709
0.32772345	1.86147568	-0.00201983	0.01683677	589.994952	0.00888889	0.4213757
0.55294487	2.01970349	-0.00207806	0.01700358	450	0.01333333	0.35551688
0.43747865	1.88403214	-7.08E-04	0.01649676	450	0.00222222	0.45322624
0.5753016	1.89115424	-0.00210315	0.01656617	450	0.00222222	0.49508994
0.39169732	1.81254516	-0.00289885	0.0165149	450	0.00222222	0.25548497
0.43930833	1.8430148	-0.00246881	0.01723669	450	0.00888889	0.31460039
0.46772023	1.91788312	-0.00189824	0.01666312	450	0.00222222	0.41489551
0.48243698	1.88062061	-0.0017133	0.01728766	450	0.01333333	0.36225327
0.48402884	1.95968094	-0.00194247	0.01616451	526.179197	0.01333333	0.29936717
0.49611052	1.92849804	-0.00103975	0.01630589	522.701984	0.00222222	0.52091955
0.44393876	1.87219461	-0.00406264	0.01671196	389.956247	0.00888889	0.39137006
0.61691996	1.99049755	-0.0029404	0.01536192	450	0.00444444	0.49555647
0.53554562	1.8834348	-0.00301703	0.01532915	450	0.00222222	0.56576682
0.51981836	1.90654151	1.00E-04	0.01891687	450	0.00444444	0.4438314
0.36363007	1.95091224	-0.00311039	0.01735331	476.374457	0.01333333	0.3566385
0.52875811	1.87000196	-0.00225033	0.01777724	450	0.00444444	0.49719127
0.44351281	1.86859012	-0.00264213	0.01717409	450	0.00444444	0.49476088
0.32374739	1.85612606	-5.37E-04	0.01805464	450	0.02222222	0.36192662
0.58222013	1.85361117	-0.00216221	0.01573742	560.916582	0.00222222	0.52014616
0.51209252	1.9333379	-0.00306964	0.01473225	560.377553	0.00888889	0.40772861
0.52200227	2.03813487	-0.00299377	0.01626438	450	0.00222222	0.42168033

0.44854954	1.91447688	-0.00146755	0.0185318	450	0.00444444	0.31805001
0.53181339	1.9950833	-0.00177944	0.01669798	480.467955	0.01333333	0.45425502
0.19564387	1.82467905	-3.24E-04	0.0187951	450	0.01333333	0.3144762
0.39207534	1.81967053	-0.00210087	0.016499	450	0.00222222	0.37271209
0.547342	1.95507747	-0.00280974	0.01704549	450	0.00444444	0.51537169
0.4443062	1.91200197	-0.00418357	0.01433505	547.984261	0.00444444	0.41537689
0.55401089	1.97694381	-0.00248786	0.01608751	388.582596	0.00444444	0.5004152
0.57526854	1.95303795	-0.0018364	0.01751438	383.967997	0.00444444	0.54508011
0.33106571	1.87345019	-0.00313532	0.0166882	450	0.01777778	0.23025405
0.29799812	1.8746818	-0.00263776	0.01747196	450	0.02666667	0.26932293
0.50091446	1.84608664	-0.00383131	0.01579851	450	0.01333333	0.3824571
0.50735534	1.90714991	-0.00188499	0.01707615	450	0.00444444	0.51161181
0.43346524	1.89314093	-0.00256763	0.01502154	450	0.00444444	0.47739823
0.31718658	1.78035313	-0.00196793	0.01668801	450	0.01333333	0.32029598
0.29908624	1.83852709	-0.00290551	0.01794219	330.417005	0.01777778	0.29340984
0.56523513	1.97222747	-0.00155375	0.01765126	450	0.00444444	0.35795828
0.49653968	1.9124652	-0.00258492	0.01665784	450	0.00222222	0.34742472
0.45345112	1.96395223	-0.00367786	0.01538105	450	0.00222222	0.32408691
0.4908751	1.85612187	-0.00343367	0.01703823	450	0.00444444	0.45362123
0.45446781	1.86545507	-0.00202772	0.01846694	450	0.01333333	0.30604779
0.32868839	1.92208446	-0.00191868	0.01569099	450	0.00888889	0.37738244
0.35965477	1.84142464	-0.00370409	0.01570213	450	0.00888889	0.35460317
0.49171	1.92442378	-0.00367223	0.01615491	450	0.00222222	0.43609139
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0.33420898	1.83227587	-0.00387927	0.01692532	450	0.00444444	0.44766897
0.51719902	1.96201218	-0.00357674	0.01558259	450	0.00888889	0.4789594
0.5989846	2.0468965	-0.0030876	0.01408361	450	0.00222222	0.4150737
0.52742408	1.88164774	-0.00275117	0.01594509	450	0.00888889	0.31424056
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0.45422714	1.90294657	-0.00400127	0.01576902	450	0.00222222	0.45866734
0.3488084	1.87358763	-0.00108938	0.01726852	450	0.00222222	0.22167865
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0.3823078	1.8356644	-0.00137393	0.01690167	450	0.00888889	0.27178395
1.35196396	1.96477303	0.00407249	0.01018097	450	0.00222222	1.20571459
1.39562631	2.02289151	0.00352692	0.01015387	450	0.00222222	1.14944997
1.35680045	1.98982748	0.00351154	0.01044365	450	0.00222222	1.17215452
1.32942029	1.94030097	0.0039031	0.01022031	484.101573	0.00222222	1.15214168
1.35709846	1.98181519	0.00399106	0.01014348	450	0.00222222	1.18235472
1.33077887	1.94369729	0.00331892	0.00965559	450	0.00222222	1.16623376
1.31705948	1.93981399	0.00438404	0.01099775	450	0.00222222	1.2022005
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1.34140334	1.9965975	0.00345291	0.0103812	450	0.00222222	1.13779783

1.43526477	2.00592538	0.00373433	0.00960046	450	0.00222222	1.26330763
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1.3354317	1.9642978	0.00385958	0.01007952	450	0.00222222	1.15593045
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1.37418587	1.97077978	0.00353723	0.01012165	450	0.00222222	1.23976549
1.40339598	2.01962411	0.00361139	0.00997876	450	0.00222222	1.25322713
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1.26114209	1.95182179	0.00392449	0.0104462	450	0.00222222	1.1412128
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1.31571493	1.97982852	0.00340107	0.01036	450	0.00222222	1.08870266
1.33550863	2.03125245	0.00317549	0.01013589	450	0.00222222	1.18808477
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1.40462448	1.9830491	0.0042558	0.01038531	450	0.00222222	1.20784392
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1.33424775	1.97985208	0.0034594	0.01007508	363.574247	0.00222222	1.13507663
1.32965026	1.96644691	0.0039407	0.01024672	450	0.00222222	1.15529217
1.32075554	1.95535895	0.00375925	0.01059995	382.309933	0.00222222	1.17840059
1.33014222	1.99841139	0.00443421	0.01079926	450	0.00222222	1.1924721
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1.38249026	2.00439871	0.00390139	0.0098074	450	0.00222222	1.15146841
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1.32684061	1.96321829	0.00369488	0.01050161	450	0.00222222	1.15489756
1.3591473	1.98180031	0.00410238	0.01073941	450	0.00222222	1.20193885
1.34927224	1.97330487	0.00309643	0.01040922	450	0.00222222	1.14353538
1.30335298	1.96074065	0.00373724	0.01054898	450	0.00222222	1.15248466
1.31035282	1.9838172	0.00359503	0.0104727	450	0.00222222	1.20032209
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1.33460035	1.9469993	0.00387123	0.01042217	450	0.00222222	1.24358838
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1.31872271	2.00551589	0.00388442	0.01050223	450	0.00222222	1.17957173
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1.36601374	1.99207957	0.00352016	0.01072508	450	0.00222222	1.21595747
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1.33297481	1.98331812	0.00335999	0.01007738	450	0.00222222	1.15077108
1.37487308	2.0041832	0.0033875	0.00994567	450	0.00222222	1.17836781
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1.99675698	2.2859968	0.00257053	0.0045102	359.006266	0.00222222	1.84343473
2.09890752	2.34436795	0.00226518	0.00409092	450	0.00222222	1.98347266
1.92455789	2.20814587	0.00284655	0.00486811	375.986557	0.00222222	1.70850414
1.96677666	2.23615515	0.00268897	0.00468357	379.249881	0.00222222	1.77683561
2.06587959	2.30799536	0.00243874	0.00424596	414.879942	0.00222222	1.90933579
2.00288919	2.27415853	0.00361034	0.00565593	450	0.00222222	1.83617508
2.0451379	2.33513309	0.00317559	0.00528571	450	0.00222222	1.87625042
2.11608874	2.35661137	0.00299529	0.00479814	450	0.00222222	2.01946055

slow_post	slow_post	slow_lower9	slow_upper9	slow_lower9	slow_upper9	slow_lower9
0.02691847	-9.55E-05	0.09066378	1.52070571	0.01004671	0.04358378	-1.91E-04
0.02655799	-9.29E-05	0.16854947	1.56320135	0.00930549	0.04136776	-1.81E-04
0.02865105	-1.09E-04	-0.06953455	1.447124	0.01165023	0.04673774	-2.08E-04
0.02787505	-9.75E-05	-0.07573074	1.45345304	0.01003089	0.04549675	-1.92E-04
0.0257284	-8.57E-05	0.06516003	1.584044	0.00957102	0.04282028	-1.76E-04
0.02875901	-1.07E-04	-0.04541059	1.41704957	0.01245707	0.04642813	-2.05E-04
0.02887912	-1.01E-04	-0.08585848	1.47172326	0.0107568	0.04624777	-1.93E-04
0.02661758	-8.99E-05	0.06557727	1.49829959	0.01047381	0.04491325	-1.92E-04
0.02757093	-9.41E-05	-0.14448967	1.4323306	0.01240896	0.04594914	-1.90E-04
0.02827691	-9.85E-05	-0.08393081	1.34411589	0.01309629	0.04681187	-1.95E-04
0.02809941	-1.02E-04	-0.00262532	1.42602787	0.01124775	0.04268923	-1.90E-04
0.02857171	-1.04E-04	-0.13428036	1.38438752	0.01228457	0.04747653	-2.08E-04
0.02843771	-9.87E-05	-0.16145409	1.3811029	0.01267319	0.04888232	-1.93E-04
0.0277765	-9.79E-05	-0.08871928	1.53711402	0.01156583	0.04515033	-1.91E-04
0.0266283	-9.18E-05	0.03366646	1.46487888	0.00980138	0.04092597	-1.71E-04
0.02770503	-9.32E-05	-0.13418735	1.44482498	0.00897341	0.04519444	-1.89E-04
0.02723563	-9.47E-05	-0.04735713	1.44842139	0.00946562	0.04394857	-1.95E-04
0.03027802	-1.12E-04	-0.25008288	1.2846944	0.01280572	0.04711744	-2.05E-04
0.02628446	-9.14E-05	0.12352482	1.54874902	0.01062108	0.04422027	-1.93E-04
0.02748232	-1.00E-04	0.01051212	1.52416304	0.01036962	0.04460338	-1.85E-04
0.02740831	-9.28E-05	-0.14905747	1.43959605	0.01104616	0.04664798	-1.84E-04
0.02739385	-1.01E-04	0.12132169	1.54021085	0.01163769	0.04513833	-1.91E-04
0.02967853	-1.08E-04	-0.10179186	1.48243804	0.01123835	0.04718653	-1.93E-04
0.02892499	-1.09E-04	-0.08817796	1.4343312	0.01211503	0.0468336	-2.02E-04
0.02933667	-1.09E-04	-0.06769285	1.44719368	0.01099529	0.04542646	-2.05E-04
0.02966667	-1.06E-04	-0.08836427	1.52590912	0.01113939	0.0484463	-2.10E-04
0.02808042	-1.02E-04	0.14130828	1.52940209	0.01052438	0.04426554	-1.95E-04
0.02925457	-1.06E-04	-0.18326987	1.39846894	0.01331839	0.04790023	-2.25E-04
0.02972969	-1.08E-04	-0.14455446	1.43388451	0.01289252	0.05020831	-2.09E-04
0.02788814	-9.73E-05	-0.17722547	1.48509213	0.010273	0.04767459	-2.03E-04
0.02922958	-1.04E-04	-0.15080875	1.4959192	0.01270997	0.04936403	-2.01E-04
0.02861469	-1.04E-04	0.03656813	1.50554144	0.01161295	0.04709589	-1.96E-04
0.02738751	-9.56E-05	0.00253418	1.51465302	0.00998879	0.04559596	-1.89E-04
0.02793538	-9.92E-05	0.06202332	1.64969165	0.00777501	0.04382389	-1.90E-04
0.03014383	-1.12E-04	-0.26075887	1.42220332	0.01194479	0.04846533	-2.00E-04
0.02846775	-1.02E-04	0.03637273	1.55445868	0.01040372	0.04393254	-1.90E-04
0.02699625	-1.01E-04	-0.04120185	1.46435546	0.01063421	0.0465171	-2.00E-04
0.02815775	-1.01E-04	0.04210356	1.55945097	0.01165996	0.04733512	-2.03E-04
0.02768117	-9.53E-05	-0.03646783	1.55101949	0.0089212	0.04498002	-1.90E-04
0.03040105	-1.12E-04	-0.12620174	1.45924862	0.01104333	0.04653958	-2.06E-04
0.02875647	-1.07E-04	0.01753691	1.47263687	0.01235034	0.04469347	-1.89E-04
0.02841554	-9.62E-05	-0.13876287	1.36406531	0.01014794	0.04753401	-1.95E-04
0.02847653	-1.05E-04	0.06378876	1.50915888	0.01070063	0.04574124	-2.00E-04
0.02830338	-9.78E-05	-0.10470877	1.50115164	0.0103449	0.04632599	-1.97E-04

0.02960817	-1.06E-04	-0.04972174	1.43667632	0.01207606	0.0466059	-2.03E-04
0.02713742	-9.62E-05	-0.04281476	1.48485782	0.01059538	0.04394225	-1.75E-04
0.02816275	-9.82E-05	-0.12781566	1.36294981	0.01285009	0.046398	-1.93E-04
0.02872656	-1.00E-04	-0.16444098	1.37619051	0.01122741	0.04593564	-1.87E-04
0.02832874	-1.00E-04	-0.08809873	1.50204097	0.00947072	0.0462319	-1.98E-04
0.02709246	-9.28E-05	-0.05307896	1.46619621	0.0060805	0.04240631	-2.02E-04
0.02911316	-1.08E-04	-0.09238196	1.49794196	0.01197865	0.04901564	-2.10E-04
0.02759186	-1.01E-04	0.04657619	1.52905245	0.01023513	0.04618676	-2.09E-04
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0.0285966	-1.03E-04	-0.02504825	1.49606832	0.01106878	0.04612684	-2.00E-04
0.02972123	-1.13E-04	2.79E-04	1.5471593	0.01382863	0.05269855	-2.19E-04
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0.02731656	-9.84E-05	0.02828493	1.52450948	0.0126758	0.0436837	-1.93E-04
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0.02644292	-1.14E-04	0.9060558	1.61058421	0.01708878	0.0332294	-1.49E-04
0.02460131	-1.08E-04	1.05876818	1.74770455	0.01695046	0.03235697	-1.50E-04
0.02875992	-1.23E-04	0.7662784	1.5161125	0.02007547	0.03673376	-1.61E-04
0.02519158	-1.10E-04	1.01943825	1.71644426	0.01694095	0.0328302	-1.50E-04
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0.02649981	-1.20E-04	1.00557324	1.67595081	0.01902737	0.03365896	-1.60E-04
0.02621021	-1.12E-04	0.91055829	1.6229935	0.01833363	0.03477319	-1.54E-04
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0.02616296	-1.08E-04	0.79230215	1.60975807	0.01757683	0.0347144	-1.50E-04
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0.02698363	-1.19E-04	0.90427022	1.64295716	0.01845508	0.03518485	-1.59E-04
0.02649889	-1.17E-04	0.9726907	1.67712657	0.01798231	0.03405644	-1.56E-04
0.02698116	-1.13E-04	0.76943933	1.5987638	0.01802824	0.03538617	-1.55E-04
0.02639332	-1.12E-04	0.91685323	1.70145896	0.01741286	0.03413677	-1.48E-04
0.02637963	-1.16E-04	0.98098386	1.69740605	0.0181797	0.03381499	-1.53E-04
0.02625747	-1.14E-04	0.96210672	1.68327112	0.01835195	0.03406082	-1.53E-04
0.02631359	-1.15E-04	0.94134482	1.65135696	0.01719785	0.03338656	-1.56E-04
0.02494521	-1.09E-04	1.06398163	1.73176438	0.01714794	0.03200315	-1.50E-04
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0.02527242	-1.08E-04	0.87842555	1.639963	0.01664327	0.03364618	-1.54E-04
0.02610189	-1.16E-04	0.95473678	1.65374556	0.01893833	0.03482104	-1.59E-04
0.02657928	-1.06E-04	0.65237108	1.56430554	0.01835115	0.03740043	-1.52E-04
0.02563328	-1.13E-04	0.97167737	1.69079027	0.01674768	0.03294856	-1.57E-04
0.02716676	-1.17E-04	0.80355004	1.59510058	0.01875183	0.03555417	-1.61E-04
0.02704195	-1.12E-04	0.80961644	1.60408848	0.01807178	0.03505546	-1.49E-04
0.02588419	-1.05E-04	0.79640254	1.58795752	0.01774392	0.03465451	-1.50E-04
0.02690617	-1.15E-04	0.86403794	1.65300265	0.0180455	0.03491859	-1.54E-04
0.02615262	-1.13E-04	0.96198198	1.73609985	0.01649779	0.03410121	-1.56E-04
0.02744572	-1.19E-04	0.79458349	1.57840504	0.01769221	0.03489816	-1.59E-04
0.02635371	-1.14E-04	0.95478897	1.67288952	0.01801803	0.0333032	-1.51E-04
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0.02575573	-1.07E-04	0.82659783	1.55984109	0.01801156	0.03345298	-1.42E-04
0.02612765	-1.18E-04	1.0211657	1.73465039	0.01765029	0.03452334	-1.59E-04
0.02747088	-1.14E-04	0.75275282	1.54845543	0.01969924	0.03607076	-1.52E-04
0.02496722	-1.01E-04	0.88631479	1.62093645	0.01675442	0.03282915	-1.38E-04
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0.02632042	-1.15E-04	0.91247994	1.63525103	0.01797731	0.03436933	-1.56E-04
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0.05734188	-0.00115043	0.13526708	2.19170953	-0.0619651	0.18370497	-0.00449305
0.04374773	-6.85E-04	0.23815978	2.34432747	-0.06504922	0.17345444	-0.00392586
0.06031713	-0.00125145	0.13735173	2.2203974	-0.07539086	0.18441567	-0.00473072
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0.05030804	-8.98E-04	0.0705005	2.2931224	-0.09324186	0.17441175	-0.00424394
0.04021744	-1.93E-04	-0.40140644	1.42672612	0.01294417	0.06161924	-3.22E-04
0.03969049	-1.78E-04	-0.88859733	1.40211501	0.00814235	0.06525851	-3.28E-04
0.03958397	-1.87E-04	-0.67837204	1.30713318	0.01521691	0.07108022	-3.37E-04
0.03961035	-1.83E-04	-0.51557326	1.44414017	0.01361163	0.0654375	-3.14E-04
0.03804098	-1.78E-04	-0.51944974	1.39007359	0.01106289	0.06334649	-3.11E-04
0.03783756	-1.67E-04	-0.54419178	1.53323853	0.01289905	0.06356467	-2.92E-04
0.03619431	-1.63E-04	-0.59730019	1.28434084	0.01114787	0.06305359	-3.03E-04
0.03976566	-1.89E-04	-0.42538665	1.37305339	0.0145282	0.0610458	-3.28E-04
0.03764769	-1.72E-04	-0.57457038	1.34250748	0.0142764	0.06151717	-3.04E-04
0.03927754	-1.85E-04	-0.41285858	1.40521589	0.01419433	0.06781703	-3.19E-04
0.03888728	-1.80E-04	-0.66341929	1.3085363	0.01479783	0.06747767	-3.14E-04
0.04050629	-1.92E-04	-0.99886545	1.16962133	0.01184327	0.07113574	-3.81E-04
0.03975811	-1.84E-04	-0.76080423	1.27345134	0.00794115	0.06265752	-3.43E-04
0.03883527	-1.77E-04	-0.5609687	1.41925912	0.01439572	0.06506018	-3.12E-04
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0.03899772	-1.79E-04	-0.49833871	1.34220035	0.01444587	0.06365987	-3.20E-04
0.03677095	-1.72E-04	-0.46047536	1.3985555	0.01453177	0.06372916	-3.08E-04
0.03609177	-1.63E-04	-0.65707176	1.41273033	0.01266502	0.062663	-3.10E-04
0.03708989	-1.68E-04	-0.60235767	1.38856108	0.01230146	0.06444224	-3.14E-04

0.03966243	-1.80E-04	-0.79399991	1.4459552	0.01179292	0.06759649	-3.16E-04
0.03923113	-1.89E-04	-0.50136716	1.39532106	0.01278224	0.06861207	-3.61E-04
0.03739676	-1.70E-04	-0.63737529	1.33002653	0.0129779	0.06513617	-3.01E-04
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0.02353961	-1.04E-04	0.67033685	1.7485485	0.01044854	0.03911088	-1.95E-04
0.02338322	-1.05E-04	0.65692529	1.70652942	0.01104072	0.03830094	-1.89E-04
0.02238212	-9.49E-05	0.69333808	1.72585823	0.0094659	0.03617808	-1.81E-04
0.0229877	-1.03E-04	0.72423233	1.76244551	0.00885525	0.03674595	-1.82E-04
0.02317048	-9.91E-05	0.56802267	1.63398379	0.00977725	0.03793044	-1.88E-04
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0.02379869	-1.11E-04	0.73185636	1.73123117	0.00983615	0.03598488	-1.90E-04
0.02345222	-1.03E-04	0.60527714	1.70282511	0.00881371	0.03671365	-1.98E-04
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0.02295633	-1.07E-04	0.82669251	1.80284719	0.0093328	0.03617275	-1.88E-04
0.0243878	-1.13E-04	0.67616599	1.71328135	0.01234428	0.03926125	-1.96E-04
0.02303951	-9.98E-05	0.55335015	1.66042659	0.01010376	0.03759115	-1.82E-04
0.02339087	-1.01E-04	0.55865035	1.640318	0.00893499	0.03690373	-1.82E-04
0.02319831	-1.07E-04	0.69209718	1.67202711	0.01070976	0.03727363	-1.93E-04
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0.02272738	-1.00E-04	0.66369318	1.76163671	0.00760154	0.03588922	-1.84E-04
0.02394345	-1.09E-04	0.63575705	1.76234015	0.01012058	0.03731067	-1.87E-04
0.02317816	-1.02E-04	0.63089656	1.68680698	0.00919819	0.03599398	-1.86E-04
0.02400573	-1.05E-04	0.52935109	1.68168669	0.0096534	0.03794607	-1.90E-04
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0.02344959	-1.02E-04	0.50441206	1.65242636	0.00969254	0.03760582	-1.77E-04
0.02215531	-9.61E-05	0.66617919	1.67285636	0.00897359	0.03422892	-1.76E-04
0.02282676	-1.00E-04	0.63922215	1.74353309	0.00919487	0.03616098	-1.82E-04
0.02315082	-1.05E-04	0.69538327	1.668176	0.01096903	0.03812788	-1.87E-04
0.0235948	-1.07E-04	0.6346743	1.70801774	0.010289	0.03718432	-1.90E-04
0.02319896	-1.01E-04	0.49904577	1.6247016	0.00890488	0.03614157	-1.81E-04
0.02374973	-1.07E-04	0.6668646	1.700099	0.00901773	0.03676203	-1.92E-04
0.02319515	-1.04E-04	0.63552685	1.70317746	0.00909373	0.03813641	-1.89E-04
0.02225191	-9.55E-05	0.7364859	1.72546257	0.0088635	0.03372937	-1.67E-04
0.02183627	-9.43E-05	0.72233128	1.68289063	0.0101213	0.03495043	-1.73E-04
0.02274719	-9.73E-05	0.56639887	1.67260664	0.00821861	0.03557109	-1.77E-04
0.02329089	-1.05E-04	0.69097237	1.74423673	0.01077145	0.03679192	-1.90E-04
0.02264439	-1.03E-04	0.6122168	1.64392379	0.00973667	0.03641487	-1.81E-04
0.0235126	-1.03E-04	0.64819594	1.67462544	0.01004628	0.03536496	-1.79E-04
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0.02315352	-1.01E-04	0.57341267	1.66079949	0.0088272	0.0371974	-1.80E-04
0.0231002	-1.00E-04	0.59361982	1.70374602	0.01035422	0.03760302	-1.82E-04
0.02221044	-9.63E-05	0.63664202	1.71941025	0.00686768	0.03543038	-1.94E-04
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0.02203068	-9.31E-05	0.56451311	1.68599752	0.00864327	0.03666659	-1.69E-04
0.02244022	-9.89E-05	0.67131652	1.67112021	0.010447	0.03568143	-1.85E-04

0.02482806	-1.11E-04	0.53475807	1.70801234	0.01298991	0.04062044	-1.94E-04
0.02232172	-9.61E-05	0.63061585	1.69199726	0.00835368	0.03444053	-1.82E-04
0.02346437	-1.08E-04	0.61152969	1.68547848	0.0091967	0.03917654	-2.14E-04
0.02296627	-1.00E-04	0.54477147	1.70368043	0.00897121	0.03745752	-1.80E-04
0.02205779	-1.01E-04	0.73453139	1.75143412	0.00798061	0.03460803	-1.84E-04
0.02454134	-1.09E-04	0.52766402	1.6519822	0.011133	0.03916764	-1.99E-04
0.02317776	-1.05E-04	0.76685095	1.64722883	0.00917387	0.03559306	-1.97E-04
0.02219619	-9.56E-05	0.62530068	1.79571478	0.0091792	0.03650422	-1.80E-04
0.02169351	-9.46E-05	0.73746484	1.7360757	0.00967473	0.03351321	-1.64E-04
0.02418072	-1.04E-04	0.50609931	1.68718038	0.00957156	0.03983556	-1.85E-04
0.02233998	-9.59E-05	0.65997847	1.69101991	0.00960646	0.03592879	-1.75E-04
0.02245876	-9.76E-05	0.69653327	1.67704641	0.00921151	0.03499637	-1.68E-04
0.02325517	-1.07E-04	0.76880507	1.76691352	0.00939253	0.03605839	-2.00E-04
0.02362158	-1.02E-04	0.54779927	1.67925162	0.00946787	0.03773103	-1.88E-04
0.02332867	-9.96E-05	0.53786261	1.70400897	0.00828411	0.03608895	-1.89E-04
0.02166256	-9.36E-05	0.77884905	1.7454432	0.01039576	0.03286833	-1.63E-04
0.02315782	-1.00E-04	0.60593688	1.73000694	0.01068598	0.03746505	-1.82E-04
0.02322047	-1.09E-04	0.746819	1.67917994	0.00976716	0.03620139	-1.99E-04
0.02359819	-1.06E-04	0.67717387	1.73221773	0.00957214	0.03603062	-1.87E-04
0.022976	-1.00E-04	0.66221634	1.76541763	0.00997468	0.03709158	-0.00017968
0.02383819	-1.07E-04	0.5907213	1.67294078	0.00910757	0.0386519	-1.92E-04
0.02292611	-1.01E-04	0.69350346	1.75076985	0.00829277	0.03571708	-1.95E-04
0.02370321	-1.05E-04	0.53372824	1.7044861	0.01130126	0.0393618	-1.93E-04
0.02240772	-9.64E-05	0.6770096	1.70933961	0.00892965	0.03555196	-1.66E-04
0.02351373	-1.04E-04	0.69027511	1.70432281	0.01128701	0.03591418	-1.85E-04
0.02332401	-1.03E-04	0.60277312	1.68806802	0.01054263	0.0384455	-1.90E-04
0.02354782	-1.06E-04	0.66167058	1.78479522	0.00837047	0.03926067	-2.05E-04
0.0234783	-1.05E-04	0.67077725	1.66704904	0.01020937	0.0359624	-1.85E-04
0.02409108	-1.07E-04	0.61309252	1.69822707	0.01191247	0.03982235	-1.88E-04
0.02179322	-9.27E-05	0.71470656	1.77399881	0.00981117	0.03703429	-1.72E-04
0.02326255	-1.02E-04	0.62458742	1.69249226	0.0089	0.03570231	-1.83E-04
0.0229655	-1.01E-04	0.62264411	1.70888928	0.00931084	0.0348745	-1.67E-04
0.02340927	-1.04E-04	0.60216042	1.70989411	0.01089712	0.03777133	-1.83E-04
0.02325737	-1.03E-04	0.69625709	1.72171763	0.01126827	0.03806099	-1.90E-04
0.02370647	-1.07E-04	0.62908473	1.7253955	0.00881264	0.03771538	-2.07E-04
0.02461182	-1.08E-04	0.48090548	1.64278834	0.00987524	0.04041611	-2.02E-04
0.02348818	-1.06E-04	0.66506407	1.71660966	0.01103599	0.03796107	-1.89E-04
0.02336718	-1.07E-04	0.72505624	1.7131503	0.01038676	0.03631641	-1.92E-04
0.02336286	-1.02E-04	0.64509995	1.74399894	0.01133177	0.03784351	-1.76E-04
0.02199991	-9.72E-05	0.71213627	1.68544145	0.00889305	0.03348801	-1.83E-04
0.02397327	-1.11E-04	0.75023458	1.75681869	0.00975622	0.03710773	-1.99E-04
0.02310914	-1.06E-04	0.70907626	1.72578559	0.01259398	0.03806067	-1.85E-04
0.02397773	-1.04E-04	0.53277856	1.67122703	0.00975884	0.03761781	-1.89E-04
0.02352335	-1.05E-04	0.51456873	1.64952969	0.01106973	0.03947203	-1.91E-04
0.02375252	-1.11E-04	0.69075438	1.71014387	0.01116566	0.03776359	-2.02E-04

0.02352282	-1.01E-04	0.57487671	1.62940588	0.01029311	0.03541615	-1.74E-04
0.01251557	-3.68E-05	1.5675997	1.97263314	0.00863948	0.01749175	-5.74E-05
0.01214074	-3.64E-05	1.65038247	2.00882329	0.00776403	0.01622075	-5.26E-05
0.01088586	-3.28E-05	1.81800342	2.17457882	0.00710029	0.01500521	-5.05E-05
0.01303731	-3.81E-05	1.48557722	1.90184665	0.00796479	0.0179034	-5.83E-05
0.01276912	-3.84E-05	1.58892673	1.99928545	0.00824537	0.01742055	-5.93E-05
0.01157156	-3.48E-05	1.73327493	2.09337514	0.00733668	0.01499227	-5.10E-05
0.01337316	-3.83E-05	1.61973233	2.05300496	0.00918037	0.0179568	-5.57E-05
0.01269174	-3.63E-05	1.67437569	2.05914789	0.0084729	0.01774078	-5.44E-05
0.01095985	-3.16E-05	1.85844992	2.18951438	0.00737499	0.01512043	-4.82E-05

slow_upper	slow_ess	slow_pMCM	asym_post	asym_post	asym_lower	asym_upper
-4.02E-06	403.596297	0.02666667	0.67468502	0.1846362	0.03640281	1.28438816
-1.08E-05	450	0.03111111	0.74708133	0.17621852	0.14742071	1.37799016
-1.51E-05	369.366663	0.07111111	0.75608932	0.17198777	0.1119493	1.28937164
-8.91E-08	339.900892	0.07555556	0.67431893	0.17989451	0.04103766	1.25900108
3.11E-06	695.544845	0.07111111	0.69357911	0.17767601	0.0199274	1.36966802
-1.95E-05	450	0.05333333	0.71306682	0.1816205	0.14944521	1.3632212
-2.45E-06	373.325521	0.11555556	0.62264102	0.18495723	0.01575413	1.24645805
-9.86E-06	358.573138	0.04444444	0.63780574	0.18495797	0.02629622	1.27413169
-1.28E-05	450	0.08	0.6401743	0.18235222	0.07400993	1.19130634
-1.01E-05	328.533053	0.08	0.65275166	0.1826834	0.09302346	1.32642746
-2.39E-05	450	0.04888889	0.75424644	0.17084104	0.17812108	1.39164839
-2.05E-05	311.183339	0.08	0.72619076	0.17511944	0.02373607	1.29986954
2.60E-06	358.110642	0.12	0.61105653	0.18531958	-0.09143631	1.2113437
-1.59E-05	478.216817	0.10666667	0.68874872	0.17765495	0.08945075	1.27205188
-7.05E-06	379.704603	0.05333333	0.67892536	0.18191586	-0.04042169	1.2895545
-1.57E-06	367.594592	0.11111111	0.60243571	0.1859953	-0.03670015	1.25305039
-9.29E-06	342.734021	0.07555556	0.67860008	0.17772838	0.01491704	1.2328162
-1.28E-05	354.856331	0.12888889	0.69018613	0.18346671	0.03278466	1.29784669
-1.36E-05	450	0.03111111	0.68360397	0.17965349	0.05511614	1.4195532
-9.89E-06	450	0.05333333	0.76029859	0.17170838	0.15583484	1.43191153
1.74E-06	371.048512	0.08444444	0.5760437	0.18836828	-0.17681296	1.1734569
-4.14E-06	450	0.02222222	0.791073	0.17104092	0.19109564	1.37147752
7.11E-06	450	0.12	0.66861247	0.18403015	0.12864111	1.32595145
-1.83E-05	450	0.09777778	0.75154839	0.1752467	0.21352572	1.38679473
-2.24E-05	325.131028	0.07111111	0.71067985	0.17865937	0.09879312	1.32067902
-1.65E-05	486.347434	0.11111111	0.61616253	0.18655826	0.0378387	1.20233333
-1.06E-05	450	0.04	0.6852472	0.18366117	0.03685145	1.20843169
-2.64E-05	430.431846	0.10666667	0.6465307	0.18399945	0.06553099	1.23365878
-2.06E-05	387.645708	0.12444444	0.67857728	0.17944989	0.03557784	1.34477557
9.19E-06	450	0.11555556	0.62201058	0.18837696	-0.02053332	1.24734697
-1.42E-05	355.987426	0.11555556	0.62043809	0.18803119	0.10085025	1.20230884
-9.47E-06	450	0.06666667	0.75318469	0.17224183	0.14843426	1.35687636
-2.59E-06	373.559539	0.05333333	0.68689336	0.17892891	0.1343037	1.2310909
5.02E-07	450	0.08	0.65732954	0.18327282	0.0491171	1.25047941
-9.27E-06	450	0.10666667	0.71104095	0.17625741	0.14559076	1.43254493
-1.64E-05	449.273708	0.06666667	0.72625578	0.17717236	0.11837211	1.32176849
-6.69E-07	318.368665	0.03555556	0.84182991	0.16294042	0.20153592	1.3499028
-9.41E-06	494.53066	0.07555556	0.62545125	0.18546689	-0.02437636	1.33667658
7.17E-07	371.983842	0.09777778	0.60891091	0.18821611	-0.0269014	1.24998952
-2.02E-05	346.566113	0.12444444	0.66301351	0.18032579	0.06734628	1.22268543
-1.04E-05	334.780823	0.03555556	0.71341597	0.17801124	0.19952359	1.35573984
9.76E-08	375.49103	0.08888889	0.59462201	0.1858072	-0.06234667	1.2071182
-9.17E-06	369.704416	0.04888889	0.69117585	0.18107018	0.12550106	1.33886281
-8.47E-06	1168.41591	0.11111111	0.58758598	0.1893756	-0.03968249	1.22882277

-2.33E-05	379.239218	0.09333333	0.67310445	0.17944543	0.0529903	1.22161413
3.85E-06	517.889843	0.06222222	0.7357706	0.17505385	0.12569444	1.32512885
-1.72E-05	450	0.10222222	0.62146014	0.18514141	-0.07493111	1.20956387
1.51E-06	330.43913	0.09333333	0.61681956	0.18587256	0.01122105	1.27884337
4.20E-06	354.054813	0.10222222	0.6265901	0.18343782	-0.04433259	1.1995584
-8.55E-06	334.500158	0.08888889	0.64732847	0.18255965	0.09747745	1.28748955
-7.91E-06	329.795689	0.08	0.75113966	0.17707899	0.10922373	1.29876574
-1.02E-05	450.586233	0.04444444	0.75069008	0.17319993	0.06434399	1.40777007
-1.36E-05	275.336392	0.13777778	0.66584296	0.18067448	0.05411314	1.24816839
-5.80E-06	450	0.10222222	0.70934478	0.17491578	0.1217564	1.36415914
-1.70E-05	259.610041	0.06666667	0.69873958	0.17774401	0.06168108	1.37910773
-1.00E-05	280.579326	0.08	0.66906834	0.18224754	0.09858118	1.25366177
-2.77E-05	359.611203	0.07555556	0.72173439	0.17109448	0.08859205	1.33821504
-1.58E-05	360.25337	0.02222222	0.84223537	0.16760324	0.31157319	1.40960961
-6.13E-06	373.424062	0.03555556	0.73331022	0.1720183	0.10559328	1.34809338
-1.72E-06	450	0.08	0.63376209	0.18779887	-0.01936883	1.23217453
-1.11E-05	386.627452	0.07111111	0.74295569	0.17458663	0.12420553	1.3447622
-1.08E-05	447.828178	0.15555556	0.57885758	0.18961043	-0.0304972	1.27094589
-6.81E-06	420.061441	0.06666667	0.738431	0.18069002	0.10380449	1.25907554
-1.98E-05	450	0.06222222	0.75846855	0.17058533	0.1296242	1.34139508
-1.70E-05	391.31131	0.09333333	0.54803634	0.19398623	-0.05992118	1.21406644
-1.31E-05	402.728108	0.07111111	0.71535218	0.18142142	0.16744795	1.31523908
-7.51E-06	177.648592	0.09777778	0.59839219	0.1884595	-0.03092315	1.17681811
-6.78E-06	450	0.12888889	0.68730513	0.17940235	0.10918637	1.39625273
-6.29E-06	281.161243	0.15111111	0.73178799	0.17455366	0.1150933	1.37525368
-5.76E-06	370.884557	0.04888889	0.76491049	0.17318005	0.18810625	1.37181902
7.83E-06	450	0.12888889	0.53248005	0.19295547	-0.12596534	1.10568086
7.32E-06	450	0.09777778	0.55891613	0.19237986	-0.16044737	1.16918885
-1.42E-06	342.057785	0.13333333	0.56802665	0.19089105	-0.01526486	1.12779017
-2.13E-05	355.459499	0.04	0.74505351	0.17817528	0.11253074	1.3506232
8.56E-06	364.314744	0.04444444	0.71793003	0.17533475	0.07119023	1.32601233
-2.26E-05	375.78771	0.06666667	0.74796784	0.17731628	0.12657192	1.3230569
-2.24E-07	369.799595	0.08	0.59013079	0.18777277	-0.1538135	1.17606106
-4.94E-06	450	0.08	0.61973788	0.18382851	-0.05142317	1.24972202
-2.33E-06	389.957426	0.06222222	0.75064513	0.17452055	0.18948508	1.32857757
9.05E-06	355.269189	0.09333333	0.6827134	0.17678555	0.11794965	1.31405834
2.75E-06	450	0.08888889	0.75668964	0.16743912	0.16849303	1.35498762
-1.50E-06	390.305654	0.07555556	0.55927344	0.19225984	-0.14747705	1.1007245
-1.71E-05	348.971961	0.11555556	0.69817452	0.17869454	0.1294256	1.32683518
-1.40E-05	359.111597	0.11555556	0.68960144	0.17856029	0.13117493	1.36569003
-1.42E-05	434.337223	0.03111111	0.85640563	0.16656525	0.31070045	1.37013738
-2.02E-05	450	0.05777778	0.68798991	0.17938214	0.07441872	1.25774703
-1.28E-05	360.268314	0.11555556	0.57673018	0.19052833	-0.0370985	1.21284807
-1.66E-05	450	0.12	0.65675668	0.18165931	0.04777392	1.23084467
-1.83E-05	373.377433	0.10222222	0.67968002	0.17891019	0.08762893	1.30528999

-1.42E-05	450	0.04888889	0.78092976	0.17353025	0.22491568	1.31408939
-2.22E-05	450	0.07555556	0.76532467	0.17231673	0.13156442	1.35464275
-8.27E-06	450	0.13333333	0.70249695	0.1786631	0.10513899	1.44688034
-1.17E-05	360.282767	0.10222222	0.59384697	0.18877576	-0.05237635	1.24603806
-1.45E-05	379.094737	0.11111111	0.65361279	0.18240184	0.04003518	1.24434624
8.06E-06	379.468086	0.05333333	0.71908388	0.17767913	0.13504055	1.20611924
-2.57E-06	324.359957	0.09777778	0.66141884	0.17922778	0.08007038	1.34384918
-4.99E-06	450	0.03555556	0.67637778	0.18363193	0.07790525	1.26624585
5.90E-06	388.113172	0.13333333	0.62836764	0.18573044	7.47E-04	1.24200913
7.06E-06	450	0.02222222	0.72483697	0.17753276	0.11239498	1.31359086
-1.64E-05	379.689799	0.08888889	0.60862722	0.18635643	0.0071965	1.26374672
-6.47E-05	450	0.00222222	1.64682177	0.08009714	1.37378511	1.99248158
-7.52E-05	450	0.00222222	1.64727148	0.08065637	1.30464345	1.95636155
-7.49E-05	374.938372	0.00222222	1.68349516	0.07863094	1.36199441	1.98228736
-6.93E-05	450	0.00222222	1.67200836	0.07195849	1.37713563	2.02109192
-7.51E-05	450	0.00222222	1.6279563	0.07855665	1.27538877	1.9621864
-7.15E-05	551.238383	0.00222222	1.70530141	0.07851782	1.42176324	1.98484273
-7.85E-05	386.65689	0.00222222	1.70115393	0.07712741	1.41692256	2.00943373
-6.83E-05	385.155359	0.00222222	1.69376146	0.07652172	1.40566802	1.96181286
-7.06E-05	438.70757	0.00222222	1.66802516	0.07757657	1.3604404	1.99681097
-6.69E-05	451.772026	0.00222222	1.61338985	0.07764937	1.30180897	1.91572156
-7.43E-05	450	0.00222222	1.61572913	0.07947342	1.27861098	1.945953
-6.44E-05	597.574493	0.00222222	1.60975886	0.08387204	1.26973821	1.9158062
-6.54E-05	375.273513	0.00222222	1.67035573	0.07462816	1.32952032	1.98021687
-7.31E-05	450	0.00222222	1.67401242	0.08384745	1.40084253	1.9599759
-7.24E-05	373.846328	0.00222222	1.65834576	0.07882955	1.32300045	1.9563914
-6.73E-05	450	0.00222222	1.6514348	0.07168696	1.30346209	2.011233
-6.68E-05	450	0.00222222	1.6322168	0.0778736	1.29504812	2.01411539
-6.77E-05	450	0.00222222	1.64009063	0.07521696	1.34793953	1.95462259
-6.98E-05	450	0.00222222	1.63586739	0.07058739	1.30375791	1.95815316
-7.76E-05	450	0.00222222	1.67505675	0.07857418	1.37878306	2.01616392
-7.15E-05	383.590347	0.00222222	1.64087991	0.08332221	1.31841555	1.97042608
-6.87E-05	378.397605	0.00222222	1.66617921	0.07610988	1.40417886	1.98173511
-6.82E-05	450	0.00222222	1.7151777	0.07483856	1.43694479	2.01714909
-7.85E-05	391.010108	0.00222222	1.57972395	0.08975175	1.27171133	1.94388968
-6.97E-05	450	0.00222222	1.69016361	0.07690356	1.39807027	2.01750032
-6.09E-05	372.364325	0.00222222	1.61807939	0.07826351	1.29433126	1.95955718
-8.37E-05	450	0.00222222	1.67691739	0.08421839	1.34665965	1.9766603
-7.28E-05	450	0.00222222	1.66517147	0.07682462	1.34455178	1.96939736
-7.17E-05	450	0.00222222	1.68420701	0.07961453	1.39417314	2.01093784
-6.85E-05	385.317952	0.00222222	1.69617289	0.08074577	1.38837158	1.96810736
-6.59E-05	280.6293	0.00222222	1.6054424	0.07595277	1.24578871	1.91190411
-7.32E-05	511.810789	0.00222222	1.60490384	0.08055726	1.28386308	1.94331926
-6.88E-05	375.031317	0.00222222	1.63644083	0.07774786	1.33490084	1.96803748
-7.00E-05	450	0.00222222	1.61548946	0.08018971	1.31355893	1.95154645

-7.87E-05	426.558268	0.00222222	1.64735306	0.07185576	1.32882176	1.97589908
-6.67E-05	450	0.00222222	1.66499991	0.07892909	1.39379591	2.02011702
-7.42E-05	543.833812	0.00222222	1.69832571	0.07810617	1.36226642	1.9784126
-6.96E-05	400.574265	0.00222222	1.66594209	0.075161	1.41677782	1.98872813
-7.34E-05	450	0.00222222	1.62299218	0.07725848	1.32172211	1.92978172
-7.62E-05	450	0.00222222	1.66943835	0.08338203	1.37235989	2.00460781
-7.05E-05	450	0.00222222	1.68615048	0.07820757	1.37261275	1.99294011
-6.98E-05	450	0.00222222	1.64571706	0.07556392	1.33860271	1.98603219
-6.60E-05	450	0.00222222	1.63720352	0.08293163	1.32681277	1.9333149
-7.49E-05	500.352751	0.00222222	1.66731461	0.08002897	1.34606468	1.94552841
-7.44E-05	450	0.00222222	1.68630813	0.07568761	1.37018109	1.98022091
-7.37E-05	450	0.00222222	1.66252261	0.08171405	1.31834568	1.94112934
-7.40E-05	450	0.00222222	1.69162978	0.08463212	1.38250756	1.97030251
-6.34E-05	450	0.00222222	1.67605784	0.07285171	1.40515562	2.05342463
-7.18E-05	450	0.00222222	1.60900037	0.08541917	1.28025928	1.95889488
-6.41E-05	450	0.00222222	1.59357922	0.08086183	1.26428736	1.91238846
-5.79E-05	450	0.00222222	1.64433376	0.07896896	1.29167039	1.93071001
-7.12E-05	379.808147	0.00222222	1.5945152	0.08475537	1.26308952	1.90827336
-7.28E-05	450	0.00222222	1.64490916	0.07327153	1.30620556	1.96307914
-7.10E-05	450	0.00222222	1.68604603	0.08124763	1.41762048	1.99004857
-7.18E-05	450	0.00222222	1.67945607	0.07814457	1.39480327	2.01505907
-7.68E-05	341.533194	0.00222222	1.67136408	0.07510882	1.32607235	1.96918932
-7.46E-05	556.14097	0.00222222	1.69337461	0.08305052	1.38098921	1.9931675
-7.18E-05	346.692029	0.00222222	1.68259013	0.07541504	1.37394919	1.96195324
-7.73E-05	450	0.00222222	1.70810746	0.07518602	1.42151604	2.02398242
-6.58E-05	450	0.00222222	1.62701363	0.06938349	1.31381273	1.93545512
-7.35E-05	450	0.00222222	1.68792567	0.08061432	1.34953229	1.95404548
-7.71E-05	655.089448	0.00222222	1.6491927	0.08053826	1.35441766	1.95019613
-6.98E-05	450	0.00222222	1.64706126	0.07190554	1.3182152	1.98821118
-7.00E-05	450	0.00222222	1.64013169	0.07543279	1.29239639	1.97403354
-7.24E-05	450	0.00222222	1.63877774	0.08031107	1.36851524	1.9923138
-7.08E-05	385.314941	0.00222222	1.66781987	0.08028456	1.3649253	1.9495784
-7.38E-05	450	0.00222222	1.65425627	0.07678442	1.3215755	1.92737198
-7.38E-05	450	0.00222222	1.66985691	0.0801232	1.31647967	1.93501409
-7.16E-05	450	0.00222222	1.66795942	0.07537467	1.35755476	1.95762388
-6.60E-05	353.806675	0.00222222	1.6340142	0.07773994	1.35131128	2.00329798
-6.81E-05	515.64102	0.00222222	1.63981575	0.07677638	1.33048567	1.92939507
-7.46E-05	374.87132	0.00222222	1.71278596	0.0747846	1.34678422	1.95516368
-7.39E-05	450	0.00222222	1.62185163	0.07615482	1.31249011	1.95145686
-6.24E-05	450	0.00222222	1.63033588	0.07570368	1.30266933	1.91977964
-7.00E-05	450	0.00222222	1.67782865	0.07647256	1.37568617	1.96586338
-7.02E-05	450	0.00222222	1.66653491	0.07730417	1.32745969	1.94784357
-7.10E-05	450	0.00222222	1.67633339	0.07957054	1.36139368	1.97926234
-7.64E-05	373.618989	0.00222222	1.5977668	0.08022483	1.22149143	1.91416964
-6.00E-05	450	0.00222222	1.62205869	0.07691826	1.28272356	1.94253526

-7.43E-05	312.545777	0.00222222	1.64330822	0.08291473	1.3190148	1.95148073
-7.28E-05	382.823789	0.00222222	1.67996959	0.07589143	1.36212599	1.97595926
-7.95E-05	518.459685	0.00222222	1.72163121	0.07963941	1.41379484	1.98129006
-7.61E-05	392.302632	0.00222222	1.63018684	0.07874878	1.32231135	1.96015283
-7.47E-05	300.422578	0.00222222	1.64813032	0.07756633	1.33214967	1.97240761
-6.71E-05	386.742118	0.00222222	1.66337296	0.08255426	1.3874652	1.98433513
-7.00E-05	363.163869	0.00222222	1.63507666	0.07732896	1.30994186	1.97097762
-6.44E-05	450	0.00222222	1.61721492	0.07709937	1.32632231	1.93397429
-6.35E-05	450	0.00222222	1.65796167	0.0751409	1.35477911	1.93397178
-7.34E-05	450	0.00222222	1.60338248	0.08027128	1.25014293	1.96112026
-7.72E-05	450	0.00222222	1.72625866	0.07831802	1.42765306	1.99944751
-6.84E-05	375.102789	0.00222222	1.61994778	0.07417549	1.24671853	1.92846148
-7.16E-05	450	0.00222222	1.73274298	0.07612008	1.47627741	1.98781485
-7.01E-05	450	0.00222222	1.70788989	0.07683469	1.3984688	2.03358917
-7.39E-05	450	0.00222222	1.67086223	0.07854518	1.38067046	1.96318167
-7.75E-05	450	0.00222222	1.67063161	0.07851777	1.3390948	1.94705591
-6.48E-05	372.311407	0.00222222	1.66172213	0.07959738	1.35626574	1.94896595
-6.84E-05	567.174574	0.00222222	1.63558329	0.07617917	1.34896627	1.93550203
-7.43E-05	450	0.00222222	1.6173247	0.08082152	1.2504207	1.91305696
-6.81E-05	540.803242	0.00222222	1.67653162	0.07359215	1.36861837	1.98312554
-7.01E-05	450	0.00222222	1.67564261	0.07717873	1.33555486	1.96498721
3.60E-05	450	0.00222222	1.8637124	0.06594342	1.57791586	2.13216581
2.07E-05	450	0.00222222	1.89584117	0.0606549	1.61645545	2.16373739
3.31E-05	386.889143	0.00222222	1.91211315	0.05737742	1.64933598	2.14958834
2.77E-05	403.213691	0.00222222	1.90728814	0.05944268	1.67208714	2.1864412
2.59E-05	602.107918	0.00222222	1.90572046	0.05918147	1.65186425	2.17775371
2.17E-05	450	0.00222222	1.90004382	0.05805512	1.63947448	2.17661278
2.33E-05	618.920964	0.00222222	1.90853442	0.05925785	1.65295856	2.1652149
2.73E-05	450	0.00222222	1.89718941	0.05998732	1.67075797	2.15231668
1.52E-05	450	0.00222222	1.87400204	0.06277689	1.62165317	2.11533002
2.18E-05	526.457262	0.00222222	1.88764818	0.06115653	1.63447742	2.12067324
2.28E-05	450	0.00222222	1.89744419	0.06034813	1.66437148	2.18419614
2.51E-05	450	0.00222222	1.92681293	0.05661575	1.66957412	2.13528563
4.71E-05	450	0.00222222	1.90006039	0.05833368	1.63904351	2.1583521
3.66E-05	397.809068	0.00222222	1.91680465	0.05761692	1.66658801	2.13135985
2.66E-05	464.092921	0.00222222	1.88975563	0.05933267	1.6344619	2.11409576
2.61E-05	412.54182	0.00222222	1.8846633	0.06232126	1.63836086	2.12654783
2.17E-05	450	0.00222222	1.88825125	0.06208473	1.61868061	2.12478179
3.63E-05	507.638234	0.00222222	1.90541271	0.06091928	1.6649953	2.15395449
2.97E-05	373.986581	0.00222222	1.89963733	0.05922068	1.62753337	2.14301899
2.59E-05	450	0.00222222	1.91171077	0.05887222	1.67967469	2.16870113
2.69E-05	385.522816	0.00222222	1.87615364	0.06399569	1.63959924	2.15069611
1.98E-05	528.415583	0.00222222	1.90563193	0.05858014	1.63055977	2.17488444
3.11E-05	372.112805	0.00222222	1.88776589	0.06181057	1.66604946	2.15826218
3.57E-05	450	0.00222222	1.88160607	0.06146429	1.60325603	2.1325195

1.55E-05	450	0.00222222	1.89506915	0.06004203	1.62793937	2.12659952
2.52E-05	450	0.00222222	1.8866342	0.06062732	1.63714147	2.16810109
3.06E-05	544.097364	0.00222222	1.89114382	0.06039905	1.63767934	2.1368333
2.04E-05	450	0.00222222	1.88641306	0.06244112	1.63462802	2.11647631
1.89E-05	450	0.00222222	1.89241465	0.06194507	1.66599084	2.16980417
2.54E-05	450	0.00222222	1.88912742	0.06222962	1.63620372	2.16694821
5.33E-05	450	0.00222222	1.90503342	0.05893946	1.58952961	2.15243298
2.21E-05	450	0.00222222	1.88735956	0.06099977	1.64414661	2.14363415
2.73E-05	450	0.00222222	1.90856212	0.05618234	1.69508714	2.14572
3.91E-05	450	0.00222222	1.88639837	0.06027159	1.64563351	2.16396968
2.07E-05	450	0.00222222	1.9145497	0.05707138	1.65775	2.17852254
2.96E-05	338.963052	0.00222222	1.9022654	0.05749051	1.65878914	2.1907222
2.38E-05	450	0.00222222	1.90565392	0.05786457	1.65365537	2.18751724
3.28E-05	1176.10042	0.00222222	1.92066943	0.0565736	1.68112823	2.16871973
1.91E-05	450	0.00222222	1.91815167	0.05803172	1.68289866	2.17158237
2.24E-05	450	0.00222222	1.89368228	0.06260022	1.60616183	2.11990379
3.50E-05	548.064013	0.00222222	1.87425705	0.0632001	1.61891168	2.1311841
2.79E-05	450	0.00222222	1.89271786	0.06067185	1.62443437	2.16784178
4.25E-05	380.815691	0.00222222	1.89152286	0.06082495	1.64487198	2.17655063
4.07E-05	450	0.00222222	1.91360091	0.05818586	1.66814134	2.18022031
2.81E-05	450	0.00222222	1.90876999	0.05766523	1.6340531	2.12962758
2.80E-05	450	0.00222222	1.92494781	0.05655796	1.63757852	2.14863064
3.11E-05	450	0.00222222	1.88586614	0.06143382	1.59934734	2.14296969
1.68E-05	450	0.00222222	1.90084281	0.05922431	1.64295101	2.16539668
2.89E-05	388.408886	0.00222222	1.89395664	0.06123821	1.68908209	2.17638495
2.33E-05	388.031268	0.00222222	1.88184362	0.06128806	1.63898956	2.14709107
2.53E-05	450	0.00222222	1.90781572	0.05869991	1.62599065	2.15392221
2.98E-05	450	0.00222222	1.89017807	0.06008495	1.64404802	2.1407388
2.68E-05	681.188839	0.00222222	1.90710046	0.05885462	1.68136072	2.15172175
2.79E-05	450	0.00222222	1.88201083	0.06133371	1.63570121	2.14579878
2.72E-05	450	0.00222222	1.90112746	0.05896547	1.64925167	2.13708066
2.56E-05	450	0.00222222	1.88374141	0.06046691	1.61571098	2.11512469
3.22E-05	514.555449	0.00222222	1.90848072	0.05865624	1.64961765	2.19832041
2.34E-05	576.646345	0.00222222	1.88952265	0.06086568	1.65372135	2.13422356
1.75E-05	346.422107	0.00222222	1.90151904	0.05899803	1.61985224	2.13121729
2.62E-05	450	0.00222222	1.91017027	0.05920967	1.67034027	2.15994845
2.98E-05	358.907848	0.00222222	1.92304651	0.05752869	1.69116975	2.16758416
4.94E-05	450	0.00222222	1.9091392	0.0570855	1.6446519	2.15597375
2.79E-05	450	0.00222222	1.86382543	0.06351403	1.57679059	2.09749502
2.84E-05	437.961556	0.00222222	1.88856115	0.06165142	1.62685494	2.16306438
2.53E-05	450	0.00222222	1.89711816	0.0601587	1.60552564	2.13576974
1.46E-05	450	0.00222222	1.91108297	0.05845401	1.67521824	2.15181601
3.34E-05	563.510145	0.00222222	1.89738256	0.06069169	1.67327373	2.16231593
2.50E-05	732.51519	0.00222222	1.90707805	0.06074679	1.66806461	2.13531645
2.98E-05	451.323384	0.00222222	1.88861161	0.06065906	1.62920635	2.16081763

2.53E-05	533.971595	0.00222222	1.88276199	0.0594022	1.60256035	2.12243743
2.59E-05	450	0.00222222	1.90767822	0.05720822	1.66129951	2.18728578
1.98E-05	450	0.00222222	1.90070784	0.06061781	1.67966874	2.16439377
2.49E-05	450	0.00222222	1.89106868	0.06142085	1.66316136	2.18217201
3.22E-05	450	0.00222222	1.9244335	0.05499386	1.65046099	2.17801254
3.52E-05	450	0.00222222	1.90245085	0.05989604	1.66296791	2.15068633
2.62E-05	450	0.00222222	1.88427672	0.06026521	1.63005169	2.19572268
1.75E-05	822.550618	0.00222222	1.88684795	0.06208847	1.63549146	2.15184679
2.28E-05	450	0.00222222	1.8730675	0.061693	1.62445199	2.16452667
3.76E-05	348.811885	0.00222222	1.89345348	0.05986645	1.65015547	2.16674705
2.75E-05	450	0.00222222	1.90204591	0.05852373	1.6399458	2.13303016
2.19E-05	450	0.00222222	1.87611937	0.06271505	1.60045211	2.15599776
2.13E-05	626.667936	0.00222222	1.88942798	0.06016784	1.63424513	2.15283459
2.67E-05	450	0.00222222	1.91446424	0.05942491	1.64547856	2.14646434
3.38E-05	450	0.00222222	1.93140007	0.05633667	1.66972545	2.2105995
1.67E-05	450	0.00222222	1.8714083	0.06328091	1.59463011	2.12726055
3.54E-05	450	0.00222222	1.92066881	0.05565763	1.68927129	2.18691733
1.79E-05	450	0.00222222	1.89023403	0.06294404	1.64745826	2.12732447
4.09E-05	450	0.00222222	1.92907481	0.05751155	1.67407604	2.17195593
4.00E-05	450	0.00222222	1.90492377	0.05693413	1.6178369	2.18613074
3.09E-05	450	0.00222222	1.86163513	0.06472771	1.60082987	2.10061761
3.58E-05	450	0.00222222	1.89939175	0.05834284	1.57416545	2.14603711
2.82E-05	450	0.00222222	1.91409476	0.05789406	1.67055543	2.19052646
2.63E-05	450	0.00222222	1.90665606	0.05980199	1.67960325	2.176945
3.65E-05	450	0.00222222	1.88655566	0.06011663	1.62850416	2.16991044
2.61E-05	450	0.00222222	1.89427173	0.06038297	1.63992766	2.13790289
3.35E-05	545.523745	0.00222222	1.8719512	0.06323403	1.63295919	2.16643034
3.13E-05	450	0.00222222	1.90532686	0.05839816	1.67704121	2.15197602
1.83E-05	504.958139	0.00222222	1.88784162	0.05922479	1.65361252	2.11043859
3.09E-05	450	0.00222222	1.89936682	0.06047796	1.67343121	2.17753975
3.29E-05	450	0.00222222	1.90107358	0.05838613	1.58096975	2.16892486
0.0019691	450	0.02666667	1.36955654	0.10656867	0.44640778	2.11946188
0.00196717	450	0.02222222	1.38328305	0.09453218	0.39749213	2.25884607
0.00323247	450	0.07555556	1.3798018	0.09351826	0.41195292	2.32493434
8.24E-04	450	0.02222222	1.40744534	0.07918001	0.56757804	2.40435369
7.73E-04	572.692501	0.03111111	1.52782509	0.05159101	0.58223774	2.35082097
-7.61E-04	450	0.08444444	1.65620381	0.02460709	0.51113617	2.53248996
0.00171598	450	0.04444444	1.31385064	0.10020687	0.36153972	2.21886769
0.00169658	381.422071	0.01777778	1.18224242	0.14113248	0.26515297	2.04199816
0.00283633	450	0.01777778	1.33307276	0.11646505	0.33462662	2.32480316
0.00166235	450	0.04888889	1.53291817	0.0667807	0.67608583	2.4626656
0.00211656	389.082746	0.04444444	1.15566026	0.149778	0.27867005	2.13885018
0.00125379	450	0.04	1.49571934	0.06181577	0.58309556	2.4298213
0.00162993	450	0.02222222	1.50903845	0.06742092	0.71737051	2.38572218
-3.10E-04	331.868527	0.07111111	1.50010288	0.05868953	0.55622026	2.36204629

0.00195966	475.961697	0.02666667	1.34749632	0.11665538	0.55899653	2.1839368
0.00162261	458.14463	0.06666667	1.44484214	0.08160728	0.64113684	2.50527687
0.00146774	450	0.15555556	1.28726722	0.10261284	0.34707693	2.28375818
0.00238439	450	0.01777778	1.45106288	0.09757193	0.38648308	2.31535752
0.00242714	450	0.08444444	1.09851542	0.15138577	-0.11251869	2.11724506
0.00220869	527.730491	0.06222222	1.22381713	0.13429554	0.28601099	2.36702541
0.00224263	450	0.04	1.25383127	0.15362459	0.40623626	2.08540788
0.0018893	450	0.08444444	1.36533232	0.09903607	0.34049839	2.31940862
0.00197748	450	0.02222222	1.31600517	0.11265889	0.43682556	2.28566801
0.00351924	333.73452	0.00888889	1.14060644	0.17282208	0.20090872	2.01208356
0.00229124	450	0.08	1.2807179	0.12308763	0.41254632	2.30145251
0.00204779	450	0.12444444	1.29453777	0.11222589	0.22332081	2.14569072
4.75E-04	450	0.06222222	1.54813997	0.05250696	0.76603929	2.56760979
0.00193211	600.28198	0.05333333	1.4879357	0.07301168	0.62461334	2.4611165
0.00238485	450	0.01777778	1.32825247	0.1078045	0.26601224	2.18447276
0.00149073	450	0.12444444	1.2671698	0.12821098	0.37516172	2.27235937
0.00185365	450	0.08	1.39804242	0.08915338	0.47017575	2.28172982
0.00135018	450	0.02222222	1.4899051	0.06299212	0.69841161	2.44868269
0.00245988	450	0.00888889	1.21578135	0.14880161	0.38068058	2.10569925
0.00214176	531.942493	0.04444444	1.2755269	0.12923623	0.29329796	2.1278619
0.00178749	450	0.05333333	1.39191698	0.10519575	0.52838425	2.18401606
0.00140265	450	0.04888889	1.36855357	0.0923028	0.51394079	2.29688362
5.85E-04	450	0.07555556	1.37620148	0.11469691	0.62526839	2.21663504
0.00201228	450	0.12	1.47828208	0.0565847	0.47908096	2.54895935
0.00163427	450	0.12	1.18879095	0.14235227	0.19035193	2.04452874
0.00226053	450	0.08	1.27663414	0.12581452	0.28632213	2.184081
0.00105	467.998305	0.11555556	1.59081344	0.05293342	0.65872962	2.60149191
0.00173429	450	0.05777778	1.31505519	0.11367753	0.38891062	2.23105134
0.00219472	603.632499	0.08	1.19806142	0.14992781	0.1950234	2.08409447
0.00269992	450	0.02666667	1.22684841	0.14455965	0.29107373	2.19498675
0.00108899	450	0.04	1.62337221	0.04290504	0.6476065	2.53251927
4.43E-04	450	0.20888889	1.5087083	0.05967155	0.52064609	2.59569989
0.0024353	450	0.01777778	1.26746417	0.13125898	0.33503629	2.28004605
0.00176173	450	0.04888889	1.34246161	0.10651673	0.44807284	2.42663074
0.0026505	372.436367	0.06666667	1.1766065	0.1372962	0.08218791	2.25413277
0.00166815	450	0.12	1.28557664	0.11675578	0.24935349	2.25971337
0.00154448	450	0.08888889	1.24724227	0.12434816	0.29141805	2.20680142
0.00278271	450	0.03555556	1.06398895	0.16574494	0.1494184	2.21518104
0.00271905	621.608277	0.08444444	1.19173247	0.14031523	0.14193595	2.2604415
0.00178357	450	0.15111111	1.20780085	0.13094459	0.11925502	2.11492286
0.00143651	450	0.01333333	1.47531288	0.06317067	0.63359586	2.38850789
0.00209715	468.433242	0.07111111	1.28704049	0.10948159	0.23451397	2.13154009
0.00122271	557.653961	0.08888889	1.4182697	0.08537608	0.48429989	2.3002847
7.82E-04	450	0.08888889	1.36374484	0.1101474	0.3731447	2.27206216
0.00122163	450	0.14666667	1.449025	0.06763728	0.33346904	2.31515163

6.57E-04	450	0.05333333	1.57818478	0.05532277	0.7164717	2.31401147
8.58E-04	450	0.03111111	1.62757456	0.05411291	0.72879434	2.47035143
0.00177486	455.931542	0.08	1.36070406	0.10104926	0.34924612	2.24424087
3.20E-04	450	0.14222222	1.47903158	0.06514212	0.4966988	2.45251758
0.00264331	450	0.05333333	1.2606583	0.1212227	0.22588921	2.19844776
0.00268346	450	0.08444444	1.05620133	0.17031916	0.14333189	1.9825785
0.00266166	450	0.05333333	1.13532356	0.14813837	0.07228724	2.18922339
0.00145221	450	0.07555556	1.42827563	0.07771662	0.41476214	2.40994886
0.00225465	450	0.02222222	1.33844023	0.10895054	0.39690871	2.14694523
0.00122971	450	0.04888889	1.48250431	0.08071383	0.58872148	2.33805696
0.0018533	450	0.11555556	1.23413407	0.12788282	0.3914948	2.15896427
0.00278958	450	0.01777778	1.2992743	0.11745296	0.32325014	2.27892355
0.00144428	450	0.01777778	1.4917186	0.08047932	0.54695587	2.26764264
0.00161677	450	0.02666667	1.41952124	0.08386044	0.54115426	2.34562189
0.00259111	450	0.04444444	1.28154744	0.11488282	0.3075548	2.11835615
0.00117705	450	0.08888889	1.48341087	0.07138895	0.73229679	2.42106155
0.00202109	387.598361	0.01777778	1.07051156	0.17104167	0.09694758	2.02520556
0.00220642	389.436842	0.05333333	1.23611045	0.13625952	0.38898295	2.19110066
0.00254637	258.469423	0.04	1.52227893	0.07155273	0.59515472	2.50667898
0.00179174	647.937528	0.07555556	1.34970665	0.10350635	0.43114007	2.34538651
0.00249342	450	0.04888889	1.16752552	0.14375041	0.1674496	2.09986565
0.00276431	450	0.02222222	1.32569756	0.1226755	0.55042337	2.29667311
0.00114209	433.60622	0.08444444	1.34849798	0.10468021	0.41208987	2.17381864
0.00268447	450	0.01333333	1.18336239	0.1503541	0.21951979	1.96905585
0.00141429	450	0.03555556	1.50330189	0.07640291	0.7258544	2.28682032
0.00302773	450	0.05333333	1.28751931	0.12251768	0.3529208	2.17956451
0.00246566	450	0.04444444	1.2055256	0.13601973	0.2438473	2.21876758
0.00229695	427.158935	0.06222222	1.16942864	0.15137854	0.19707077	2.14615877
0.00258243	450	0.04	1.55197099	0.05650767	0.67141903	2.53178782
7.43E-04	450	0.04	1.48733669	0.06684131	0.58278479	2.39653357
0.00188487	450	0.08444444	1.33593113	0.10969094	0.30303076	2.21186759
0.00202355	450	0.09333333	1.22332702	0.12942883	0.31612328	2.18334431
0.00156352	569.904502	0.08444444	1.31181	0.09048357	0.17478469	2.4012765
0.0022271	450	0.08	1.17871199	0.13027174	0.36288687	2.07706946
0.00147823	583.888133	0.16444444	1.29634577	0.12169481	0.30673603	2.24480311
0.00221566	450	0.09777778	1.33151	0.0985569	0.33887145	2.23329783
0.00238092	450	0.04888889	1.37985809	0.10647626	0.50508996	2.19567647
0.00165198	539.898273	0.08444444	1.44575929	0.07677846	0.5835251	2.39543249
0.00212101	450	0.06666667	1.34422646	0.10396347	0.46150342	2.22305396
0.00123585	450	0.05333333	1.41505317	0.09118992	0.47555808	2.20768023
0.0018216	450	0.06222222	1.24897841	0.12060414	0.06751386	2.1531893
1.60E-04	283.219299	0.02666667	0.75716062	0.19663415	0.02454022	1.39626298
1.41E-04	377.696265	0.00222222	1.11882082	0.14745384	0.59177512	1.65328307
1.84E-04	450	0.00222222	0.93813531	0.17183172	0.38052551	1.58968986
1.51E-04	378.126416	0.00444444	0.82608856	0.1909359	0.18280347	1.42509742

1.47E-04	450	0.00222222	0.92730002	0.18653417	0.37400672	1.55672296
1.73E-04	450	0.00222222	1.06890337	0.14711799	0.48899618	1.60682913
1.58E-04	498.766726	0.00222222	1.05170978	0.15378957	0.36642218	1.65249703
2.20E-04	366.275413	0.00222222	0.91778817	0.16114124	0.30431663	1.58510673
1.05E-04	512.648776	0.00222222	0.85430839	0.19364534	0.28250423	1.54810191
6.77E-05	389.920716	0.01333333	0.7881382	0.18406368	0.10230813	1.51091965
1.74E-04	450	0.00888889	0.82291244	0.1825947	0.07594109	1.46680628
1.93E-04	389.948828	0.01333333	0.59412018	0.22030411	-0.18202417	1.28142839
1.82E-04	534.600626	0.00222222	0.82927844	0.19493802	0.17401437	1.39556485
1.20E-04	450	0.00222222	1.01609555	0.17342201	0.43131647	1.50253379
7.20E-05	450	0.03111111	0.78843819	0.18249813	0.01916585	1.48186371
2.43E-04	414.058096	0.00888889	0.80541234	0.18473404	-0.02074569	1.4398218
1.27E-04	450	0.00222222	0.81245116	0.17972758	0.09637922	1.50155896
9.22E-05	450	0.00222222	1.05078391	0.16498747	0.43964725	1.6379691
1.33E-04	450	0.00222222	1.00404971	0.17167207	0.48786199	1.60338387
1.20E-04	450	0.00222222	0.96069179	0.15325613	0.34159564	1.61999134
1.92E-04	450	0.00222222	0.95244969	0.16971047	0.23374436	1.60328061
1.30E-04	450	0.00222222	0.98380169	0.17448685	0.36314258	1.61410759
1.26E-04	450	0.06222222	0.71083355	0.19189136	0.02800808	1.38238327
2.00E-04	481.766464	0.02222222	0.80214928	0.19577255	0.08209217	1.42532864
1.55E-04	450	0.01333333	0.76947213	0.19012139	0.04147191	1.46745264
7.81E-06	450	0.00222222	0.99286119	0.17574928	0.44891813	1.5352484
1.44E-04	450	0.00888889	0.78452417	0.19655804	0.10004488	1.4224347
1.28E-04	450	0.00444444	0.98494886	0.16783148	0.45857533	1.55557939
2.10E-04	450	0.00222222	1.00482318	0.17083482	0.32618439	1.60993279
1.07E-04	454.956564	0.00222222	0.82218608	0.22434065	0.17204913	1.4122575
1.31E-04	450	0.00444444	1.00987839	0.15513325	0.45511596	1.57190555
1.83E-04	450	0.02222222	0.75456612	0.18363528	0.03954545	1.46621083
1.57E-04	382.802771	0.00222222	1.06283822	0.14159913	0.53865077	1.70335357
9.27E-05	450	0.00222222	0.96830927	0.17700348	0.40478779	1.53701171
5.99E-05	387.281742	0.00444444	0.89308739	0.18381682	0.29726518	1.46343622
1.89E-04	450	0.00222222	0.92756004	0.17978243	0.3410051	1.5336321
2.07E-04	450	0.00444444	0.89991773	0.17594868	0.24809298	1.64226448
1.50E-04	450	0.02222222	0.79954516	0.1794603	0.09430903	1.41431033
1.46E-04	288.769828	0.00444444	1.0302576	0.14241972	0.41528607	1.61189009
1.16E-04	450	0.00444444	1.0815197	0.15483824	0.48944037	1.58078302
1.03E-04	450	0.00444444	0.90540274	0.17282943	0.15976725	1.50235522
6.03E-05	450	0.00222222	1.04643612	0.16949415	0.40716927	1.63193143
2.14E-04	391.532908	0.00222222	0.90113697	0.16388834	0.27873147	1.62464448
1.57E-04	450	0.00222222	0.94731683	0.18246564	0.38126932	1.53537303
1.09E-04	450	0.00222222	1.08855786	0.14842091	0.47330262	1.64783673
1.60E-04	384.94606	0.00444444	0.7913276	0.19951955	0.1269382	1.45627231
4.34E-05	450	0.04	0.87837578	0.1679155	0.29840746	1.58262186
1.35E-04	336.748263	0.00222222	0.88234457	0.20648278	0.26031179	1.48562325
1.32E-04	450	0.04888889	0.69584436	0.19653096	0.00477086	1.41362195

1.27E-04	450	0.01777778	0.82610738	0.19756277	0.16175696	1.48888173
1.20E-04	450	0.00444444	0.93348731	0.16973434	0.29711878	1.55307748
7.96E-05	450	0.00222222	0.90203962	0.17686302	0.35366021	1.49853911
1.82E-04	373.038123	0.00444444	0.76831042	0.1961683	0.06105738	1.42740536
7.81E-05	220.94439	0.05333333	0.83864168	0.16902367	0.10453559	1.49777469
7.37E-06	267.697412	0.00222222	0.91909422	0.1959727	0.32885074	1.44381604
2.03E-04	389.306004	0.00222222	0.92316591	0.18849347	0.21570127	1.42288071
1.62E-04	450	0.00444444	0.8715381	0.18004569	0.25452586	1.54435084
1.88E-04	450	0.00444444	0.81014991	0.17396135	0.04443628	1.59576168
8.74E-05	450	0.00444444	1.04483348	0.16317633	0.51393343	1.58089337
1.67E-04	450	0.00222222	1.04856685	0.15731641	0.4701743	1.5646523
2.05E-04	450	0.00222222	0.83412262	0.18702892	0.23151678	1.52179496
1.71E-04	450	0.06666667	0.63455546	0.20019106	-0.23273279	1.38262964
8.76E-05	389.628094	0.00444444	0.93840867	0.18073104	0.44110954	1.60062503
1.70E-04	450	0.00444444	0.85373215	0.18040023	0.15297765	1.52128689
1.35E-04	356.215209	0.00222222	0.87535285	0.17692295	0.2265066	1.59730559
-7.72E-06	450	0.00222222	0.98607807	0.16959888	0.4523447	1.65607526
-1.83E-05	374.043048	0.00222222	0.92243602	0.20003524	0.37844657	1.48921471
1.25E-04	450	0.00222222	1.03357159	0.17949694	0.57853633	1.63052465
1.76E-04	329.74105	0.00222222	0.9846382	0.17712389	0.52377144	1.66325767
1.31E-04	450	0.00222222	0.91039493	0.16177176	0.20452927	1.60172694
5.96E-05	450	0.00222222	0.86717379	0.19787354	0.20702017	1.37942136
7.63E-05	450	0.00444444	0.91598272	0.19072702	0.32903443	1.55139546
1.70E-04	450	0.03111111	0.63780405	0.21155946	-0.06080838	1.35627145
1.00E-04	450	0.00222222	0.98749958	0.18362689	0.34848712	1.52576797
1.49E-04	450	0.00222222	0.77544742	0.19506676	0.14455854	1.44513315
1.24E-04	450	0.00444444	0.99625979	0.16090718	0.41113693	1.57285977
1.13E-04	450	0.04	0.63416368	0.20927123	-0.08064293	1.37610254
1.19E-04	450	0.00222222	1.07844774	0.1653644	0.56033076	1.66078035
1.51E-04	392.466667	0.00888889	0.8945277	0.1849095	0.26221963	1.51831155
5.33E-05	382.02416	0.00222222	0.93664518	0.19352198	0.33676739	1.51052035
1.66E-04	450	0.00222222	1.13266848	0.15163384	0.60154844	1.64634435
1.39E-04	450	0.00222222	1.22421902	0.12167468	0.67598869	1.72390638
5.13E-05	385.629545	0.00222222	0.87668871	0.19553398	0.22704711	1.38960888
7.25E-05	375.586096	0.00222222	0.77342568	0.22702768	0.11135805	1.26789379
9.29E-05	450	0.00444444	0.83741164	0.17845559	0.1740957	1.46354546
8.49E-05	450	0.00444444	1.06583515	0.13976549	0.48675437	1.73161867
1.25E-04	345.217696	0.00888889	0.79206576	0.18040199	0.08441783	1.5418197
7.61E-05	450	0.00222222	0.98916586	0.17858084	0.37099476	1.55817332
1.58E-04	450	0.00222222	0.7850184	0.18769601	0.15175475	1.51711377
1.36E-04	450	0.00888889	0.72442406	0.18734426	0.05840751	1.56986984
1.32E-04	450	0.00222222	1.06564135	0.16670683	0.49791227	1.58224929
1.07E-04	450	0.00888889	0.83240244	0.17268083	0.04695292	1.4868389
1.26E-04	450	0.00444444	0.85035865	0.19634762	0.22606587	1.44835151
8.72E-05	381.262678	0.00222222	1.07913545	0.15734163	0.51697911	1.58217535

8.93E-05	287.690023	0.06222222	0.74056635	0.18457649	-0.05963232	1.36198917
1.60E-04	450	0.01333333	0.84109868	0.17584054	0.17246453	1.48054306
1.33E-04	450	0.00222222	1.03440683	0.16648756	0.43237709	1.58015571
9.76E-05	288.531657	0.01777778	0.87440198	0.17987955	0.16722996	1.47545205
2.07E-04	425.822684	0.04888889	0.63500027	0.21002059	-0.0629426	1.36085378
1.80E-04	790.189821	0.00444444	0.85822061	0.1729295	0.1561544	1.52620643
1.24E-05	450	0.00222222	1.57538547	0.08657251	1.26132585	1.92935371
-2.09E-05	386.405934	0.00222222	1.56555721	0.10732396	1.27651321	1.90609574
-1.27E-05	450	0.00222222	1.50087706	0.09700625	1.14209214	1.81292699
-1.69E-05	450	0.00222222	1.49885168	0.1089021	1.14027085	1.84298568
-4.26E-06	450	0.00222222	1.58643163	0.10321268	1.22134616	1.87758848
-6.20E-06	386.439486	0.00222222	1.57316447	0.10328164	1.28463444	1.85566764
-3.76E-05	450	0.00222222	1.57572286	0.10554209	1.27179928	1.88633762
-1.54E-05	450	0.00222222	1.58302727	0.09801054	1.27293313	1.87784359
-3.52E-05	450	0.00222222	1.5693931	0.10152726	1.26395792	1.89710133
-1.21E-06	524.497554	0.00222222	1.52849747	0.09717993	1.17957489	1.91306484
2.07E-05	450	0.00222222	1.58037381	0.09021625	1.23920851	1.90902215
2.44E-05	302.313158	0.00222222	1.57251892	0.09638742	1.23778075	1.9074875
-2.12E-05	450	0.00222222	1.56836787	0.10276124	1.24695443	1.9059666
-2.11E-05	450	0.00222222	1.52535857	0.10966442	1.21412401	1.80581422
1.05E-06	613.19677	0.00222222	1.59840432	0.09650604	1.28672082	1.89560993
6.88E-06	450	0.00222222	1.62906763	0.0910938	1.31588603	1.97216608
-3.38E-05	450	0.00222222	1.55632632	0.11207212	1.26900753	1.84460739
-1.03E-05	450	0.00222222	1.56487562	0.10312906	1.26453491	1.89360905
-5.32E-06	521.116826	0.00222222	1.61410641	0.09672761	1.32606084	1.93806833
4.53E-06	450	0.00222222	1.62208557	0.09077191	1.31147766	1.97105895
-5.56E-06	450	0.00222222	1.629546	0.0910095	1.27179892	1.95118644
-3.49E-05	367.187806	0.00222222	1.54496141	0.10333072	1.22687473	1.91280188
-4.29E-06	600.473342	0.00222222	1.55775718	0.09965341	1.20648733	1.86351946
-3.33E-05	450	0.00222222	1.57354338	0.10317798	1.25454762	1.88844194
-1.69E-05	450	0.00222222	1.62001701	0.08680245	1.29654571	1.95320119
9.68E-07	529.663211	0.00222222	1.5762948	0.09311877	1.26799941	1.92466164
-2.36E-05	389.804122	0.00222222	1.51379238	0.10272817	1.1624736	1.86388912
-2.32E-05	383.323288	0.00222222	1.58495273	0.10071618	1.27703191	1.92760123
-2.24E-06	521.389276	0.00222222	1.60854802	0.09367025	1.30592662	1.96955665
-3.72E-05	546.58602	0.00222222	1.56563297	0.1018982	1.26544386	1.88878715
-2.01E-05	450	0.00222222	1.56576747	0.10910066	1.24858528	1.86384494
-2.77E-06	312.000802	0.00222222	1.47431387	0.09431004	1.07591496	1.86458875
9.68E-06	508.640591	0.00222222	1.60484071	0.09243133	1.26587616	1.96559033
-3.44E-05	293.727506	0.00222222	1.58849488	0.10163195	1.30264149	1.8952077
-2.22E-05	450	0.00222222	1.52634322	0.1062803	1.20515114	1.84282699
1.65E-05	450	0.00222222	1.58017329	0.09171769	1.22443307	1.90728936
-2.21E-05	360.541013	0.00222222	1.61088023	0.092834	1.2742765	1.88301965
-1.15E-06	450	0.00222222	1.61364196	0.08962621	1.30542722	1.95100412
-1.50E-05	450	0.00222222	1.60178159	0.09822876	1.27333233	1.96782192

-2.56E-05	450	0.00222222	1.60771505	0.0940894	1.28838958	1.90516331
-3.16E-06	450	0.00222222	1.67535306	0.08495054	1.39121338	1.98378924
-3.07E-05	450	0.00222222	1.4733379	0.10513722	1.16502752	1.84520227
-2.42E-05	398.116839	0.00222222	1.60942845	0.10008439	1.32743489	1.88588777
-9.57E-07	623.623516	0.00222222	1.58727489	0.09067073	1.30655162	1.94648648
-2.43E-05	518.059119	0.00222222	1.55420192	0.10324655	1.24166648	1.87875955
-2.37E-05	387.123581	0.00222222	1.46519731	0.11196008	1.06232147	1.81646096
-2.73E-05	450	0.00222222	1.56483505	0.09827702	1.21314782	1.89883872
-4.62E-06	450	0.00222222	1.59096656	0.10240036	1.30247969	1.91554645
-1.73E-05	450	0.00222222	1.57923652	0.10528737	1.27652857	1.9325513
-1.81E-06	438.758297	0.00222222	1.62759283	0.09628263	1.30070451	1.91281067
-3.26E-05	450	0.00222222	1.59040718	0.09523294	1.29547487	1.89168119
-1.12E-05	515.560429	0.00222222	1.62247854	0.08316866	1.23796796	1.95291504
-2.76E-06	368.161358	0.00222222	1.58915446	0.10054506	1.2627981	1.92947275
-4.71E-06	450	0.00222222	1.66619422	0.08318649	1.33384098	2.00859577
-2.66E-05	450	0.00222222	1.5514832	0.10849625	1.24789538	1.87324863
-3.78E-06	755.040227	0.00222222	1.58682986	0.09522064	1.19979882	1.87963172
-2.33E-05	509.677754	0.00222222	1.57938313	0.09890345	1.25711485	1.88648459
-1.41E-05	383.016353	0.00222222	1.57412577	0.09640038	1.18868084	1.87074881
1.63E-05	450	0.00222222	1.54608711	0.10332384	1.20617331	1.91557379
6.77E-06	450	0.00222222	1.60108868	0.09188287	1.31152577	1.92153006
-9.07E-06	368.320487	0.00222222	1.51792679	0.09634194	1.17635192	1.89103494
1.01E-05	450	0.00222222	1.59684705	0.09342737	1.23533192	1.87466419
-1.45E-05	450	0.00222222	1.58235684	0.10054157	1.24781362	1.89438015
5.93E-06	450	0.00222222	1.50692262	0.1037793	1.14650184	1.86626822
-2.26E-05	450	0.00222222	1.603522	0.10283031	1.31320696	1.98126526
-6.35E-06	377.430525	0.00222222	1.63869821	0.0892823	1.30627185	1.94303231
3.76E-06	593.984357	0.00222222	1.54900389	0.09590463	1.21281973	1.84530932
-3.07E-05	599.935878	0.00222222	1.58461764	0.10438885	1.28298833	1.88570925
-2.09E-05	450	0.00222222	1.57904271	0.10360258	1.27220589	1.87905518
-2.08E-05	450	0.00222222	1.59269668	0.10068099	1.30939311	1.88971988
-1.10E-05	450	0.00222222	1.58459742	0.09070508	1.24496046	1.91769481
-3.77E-05	450	0.00222222	1.56614236	0.11110578	1.26077617	1.88826755
-1.22E-05	292.822047	0.00222222	1.60816284	0.08860255	1.32105705	1.94127666
-4.56E-06	450	0.00222222	1.57283707	0.09805357	1.25150375	1.94307593
-4.66E-06	450	0.00222222	1.60539186	0.09719759	1.28451412	1.9692434
-1.67E-05	450	0.00222222	1.61689035	0.09528928	1.29998481	1.96468852
-4.02E-05	382.047636	0.00222222	1.57884253	0.10179734	1.23924306	1.87616607
-8.41E-06	450	0.00222222	1.61087799	0.09064326	1.30309933	1.94576657
9.25E-06	450	0.00222222	1.65692158	0.08156042	1.30962989	1.95377463
1.57E-05	450	0.00222222	1.62766642	0.08796124	1.27485264	2.00934106
-2.31E-05	450	0.00222222	1.47105671	0.10594576	1.08272577	1.84354216
-3.14E-05	450	0.00222222	1.58039039	0.10238215	1.29345941	1.8856705
-4.18E-05	450	0.00222222	1.56389116	0.10812491	1.27214957	1.8639591
-1.85E-05	450	0.00222222	1.60542961	0.09757603	1.32908243	1.97492904

-3.38E-05	450	0.00222222	1.50136149	0.11168751	1.13854748	1.79735542
-1.60E-05	450	0.00222222	1.53194227	0.10339625	1.2043399	1.87940142
-1.09E-05	450	0.00222222	1.61852275	0.09468385	1.30755205	1.93860572
-1.01E-05	450	0.00222222	1.5916606	0.09263866	1.26131367	1.9199426
-4.21E-05	450	0.00222222	1.57684284	0.10651699	1.27253505	1.87179775
-4.58E-06	401.504647	0.00222222	1.53130755	0.09317368	1.10118831	1.8875254
-4.74E-05	518.84608	0.00222222	1.49760535	0.1043092	1.19769865	1.86154332
-3.44E-05	450	0.00222222	1.59736343	0.10303271	1.26000818	1.90157302
-3.10E-06	450	0.00222222	1.60624068	0.0908626	1.3045629	1.94116397
-8.53E-06	450	0.00222222	1.49826878	0.09854733	1.10710607	1.87195205
-1.12E-05	450	0.00222222	1.60572522	0.09353543	1.27889931	1.96236917
-1.83E-06	656.267546	0.00222222	1.51944233	0.09791516	1.16216023	1.88152953
-4.63E-05	450	0.00222222	1.53225906	0.1047679	1.2092128	1.85733114
1.87E-06	450	0.00222222	1.63436789	0.08523844	1.28390922	1.94741485
-2.84E-05	450	0.00222222	1.55941999	0.10566857	1.22893228	1.906542
-2.04E-05	450	0.00222222	1.5103651	0.10447673	1.13535215	1.84813142
0.00206598	387.447228	0.08888889	1.28594186	0.13564913	0.27942039	2.27671916
0.00212193	633.520919	0.05333333	1.42309618	0.1153523	0.43330945	2.25333797
0.00256547	501.13695	0.01333333	1.49208235	0.1074928	0.66731934	2.28064643
0.00167417	450	0.01777778	1.33941714	0.15630964	0.51181479	2.29030267
0.00140388	450	0.08888889	1.35499795	0.13443418	0.42863511	2.17299695
0.00184291	450	0.01777778	1.36825655	0.11290501	0.50177477	2.40137232
0.00166791	450	0.04444444	1.3365837	0.11230383	0.30160876	2.32195152
0.00243826	450	0.03111111	1.33271723	0.12147773	0.41635033	2.15290134
0.00152693	450	0.07111111	1.38262047	0.11367756	0.4273073	2.32702332
0.00189224	450	0.02666667	1.2849907	0.13074142	0.33318734	2.16205757
0.00222774	450	0.02222222	1.54018444	0.07419205	0.63021498	2.58380366
0.00232233	450	0.04	1.46157085	0.10019845	0.53906243	2.37909795
0.00149185	450	0.07111111	1.42510864	0.09682353	0.4232505	2.30444395
0.00157003	450	0.02222222	1.4458089	0.10313234	0.46929171	2.41272078
0.00465751	450	0.05333333	1.17969589	0.14697261	0.04812101	2.29064625
0.00208486	450	0.03111111	1.35009782	0.11954363	0.29558382	2.1330678
0.00171442	450	0.06222222	1.45579399	0.1137692	0.50275104	2.30460748
0.00147713	450	0.01777778	1.36988793	0.12484427	0.51882454	2.29545562
0.00171767	382.606539	0.00444444	1.36708555	0.11290024	0.47041167	2.28523258
0.00167016	450	0.01777778	1.32292398	0.13338582	0.41528024	2.16452934
0.00238054	450	0.02666667	1.28678447	0.1333502	0.51828235	2.4604183
0.00201754	450	0.04	1.35848955	0.11463328	0.33473731	2.33914835
0.00290892	450	0.03555556	1.19565377	0.13397642	0.00459385	2.27306687
0.00224064	492.789516	0.02666667	1.14190742	0.15232816	0.19239356	2.25144212
0.00226156	450	0.03111111	1.40956026	0.10300032	0.2983298	2.2821274
0.00163693	450	0.00444444	1.37328683	0.11725259	0.56496461	2.31153971
0.00171521	543.606426	0.03555556	1.53520296	0.07397573	0.63375273	2.41326935
0.00135288	450	0.04	1.29594257	0.15128708	0.34951526	2.19417456
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0.00158965	450	0.06222222	1.55185797	0.0692175	0.53814841	2.54552802
0.00312835	450	0.08	1.12593496	0.19171694	0.14030311	2.15219385
0.00229914	450	0.01777778	1.25154565	0.15620046	0.34496236	2.12434611
0.00236988	562.001611	0.01777778	1.42272434	0.12605991	0.52204053	2.33403786
0.00197732	450	0.04444444	1.36289149	0.11506346	0.23089055	2.28729472
0.00196857	440.638069	0.12888889	1.26744928	0.15145501	0.33036796	2.11846181
0.00248191	450	0.01333333	1.16918251	0.15638309	0.1986988	2.13185086
0.00251528	450	0.01777778	1.24694405	0.15160024	0.29016434	2.03760298
0.00129573	450	0.06222222	1.24395088	0.16228732	0.33685741	2.05146425
0.00336307	450	0.05333333	0.96475719	0.21808744	-0.03746602	1.87110271
0.00236765	672.940798	0.04	1.38354266	0.1060554	0.51145654	2.40023056
0.0020057	450	0.04	1.27906593	0.14841934	0.38079283	2.13374637
0.00137006	546.038592	0.06222222	1.21296908	0.14726791	0.25623445	2.20615641
0.00159996	461.579959	0.06222222	1.29449741	0.12238086	0.32033843	2.26007263
0.00171447	660.350456	0.06666667	1.41976499	0.12107659	0.66446604	2.19048764
0.00220148	450	0.01777778	1.40835598	0.11341482	0.35271339	2.37187005
0.00325602	382.94501	0.08888889	1.29880915	0.1210983	0.36401675	2.20235165
0.00172298	450	0.01777778	1.31865421	0.12741461	0.33071294	2.08395963
0.00345212	618.638227	0.03111111	1.03899687	0.1815198	-0.01573811	2.16797041
0.00212936	450	0.00888889	1.50632794	0.0979604	0.73851449	2.33970578
0.002293	450	0.02222222	1.33399218	0.12829673	0.37975748	2.07670693
0.00257615	450	0.04888889	1.36728094	0.13935548	0.32043055	2.30325624
0.00315969	450	0.04	1.3965294	0.12674568	0.65697456	2.20231012
0.00231732	853.726307	0.04444444	1.20106716	0.15047573	0.32659374	2.26220377
0.0020774	450	0.06666667	1.26786739	0.1473392	0.34448881	2.27543389
0.00279297	450	0.01777778	1.29437029	0.13917222	0.12132168	2.12818333
0.00220128	450	0.09333333	1.29731667	0.15414837	0.39066107	2.0544942
0.00129236	484.020907	0.05777778	1.39644592	0.13974247	0.67644545	2.30339354
0.002069	450	0.04	1.17909219	0.1555333	0.19791709	2.15944635
0.00133448	450	0.03111111	1.36881945	0.13494833	0.57680909	2.37429985
0.00123479	450	0.01333333	1.51640834	0.07992316	0.70609856	2.37259074
0.00171161	520.29021	0.04	1.39256966	0.10624991	0.48896667	2.29584745
0.00157873	450	0.04888889	1.30272289	0.13173256	0.22938008	2.23290637
0.00170549	450	0.05333333	1.37767131	0.1039764	0.4047866	2.40393032
0.00171058	450	0.01777778	1.43084745	0.12110959	0.62246337	2.19204641
0.00270445	450	0.04444444	1.42286812	0.09672121	0.55950308	2.3162354
0.00227463	450	0.05777778	1.27735552	0.12633461	0.2183598	2.2251157
0.00230167	482.252302	0.01333333	1.18444675	0.14599884	0.25335568	2.07838479
0.00209815	450	0.04888889	1.37792387	0.10573931	0.44134724	2.29917769
0.00203209	450	0.02666667	1.42333256	0.08964961	0.53713542	2.44027467
0.00266908	450	0.03111111	1.19089909	0.14299811	0.17479843	2.16434511
0.00267758	450	0.05333333	1.16404898	0.17968273	0.23625415	2.07330257
0.00188799	450	0.01333333	1.21741064	0.15839764	0.29584117	2.13661773
0.00291311	450	0.04	1.05866219	0.17183689	-0.05381231	2.07191215
0.00179456	516.326333	0.01333333	1.46944982	0.08961197	0.69950414	2.38024315

0.00254652	450	0.04888889	1.28274721	0.12891038	0.45451437	2.27355936
0.00112607	472.77954	0.06666667	1.46265711	0.09928187	0.606347	2.43185519
8.22E-04	450	0.04888889	1.30660657	0.13352781	0.35043785	2.28497329
0.00242086	510.920145	0.10222222	1.28560272	0.10109731	0.01338398	2.2856323
0.00350601	450	0.04444444	1.13813011	0.1720659	0.12815487	2.12818622
0.00166111	450	0.02222222	1.51490382	0.09089752	0.62238577	2.36974783
0.00205906	450	0.04888889	1.14833461	0.14834409	0.15825273	2.19013825
0.00192679	450	0.06666667	1.29368686	0.11335676	0.26496858	2.36024163
0.00242559	450	0.04888889	1.34845701	0.11371758	0.32044867	2.31563336
0.00249968	375.575568	0.00888889	1.31890199	0.12999613	0.36353843	2.19192246
7.25E-04	450	0.04444444	1.45431424	0.09526135	0.45406611	2.35158566
0.00182622	450	0.03111111	1.15709166	0.18709418	0.22972314	2.1331516
0.00208292	436.236488	0.07111111	1.28840677	0.11558849	0.33072808	2.39919435
0.00223204	450	0.02222222	1.14869234	0.17247596	0.29748241	2.36107414
0.00203872	544.798658	0.05333333	1.18735866	0.16416908	0.21287035	2.0655688
0.00209684	291.513228	0.07111111	1.26643626	0.14421793	0.27640047	2.28710196
0.00183945	450	0.04444444	1.21556857	0.14331519	0.19463855	2.13300619
0.00215074	450	0.02222222	1.20129668	0.14078847	0.21448032	2.14535243
0.00190881	450	0.04888889	1.23371802	0.14216673	0.26018078	2.3215528
0.00132376	450	0.02666667	1.46333674	0.09225477	0.37960101	2.31212176
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0.00198743	450	0.01777778	1.47285727	0.09961778	0.59092515	2.37151502
0.00218865	450	0.01777778	1.28240791	0.12664528	0.27974261	2.19410958
0.00244157	450	0.01333333	1.24282796	0.13923197	0.21722754	2.14514921
0.00107168	450	0.04888889	1.45897959	0.0959796	0.40591242	2.24530221
0.00279651	450	0.05333333	1.15607428	0.14189299	0.15216844	2.15051915
-3.95E-05	450	0.44444444	0.76287664	0.14703792	-0.2380689	1.73848661
-3.22E-05	450	0.60444444	0.66580148	0.14715403	-0.23502467	1.80905548
-2.72E-05	531.683356	0.40444444	0.67954887	0.15429666	-0.39255719	1.6026336
-4.27E-05	450	0.43111111	0.68746424	0.14621261	-0.39774595	1.66200071
-3.94E-05	450	0.33777778	0.75534051	0.14518423	-0.35273672	1.66519871
-4.04E-05	450	0.51111111	0.70596186	0.14178301	-0.29510698	1.61957969
-2.22E-05	450	0.42222222	0.72810368	0.14200351	-0.30636539	1.60769024
-6.57E-05	450	0.34666667	0.76508319	0.144237	-0.02431071	1.67709741
-4.44E-05	599.776719	0.32	0.69963903	0.15180412	-0.42094256	1.64708615
-1.50E-05	464.047385	0.32444444	0.74237394	0.15150692	-0.26259931	1.54923867
-2.86E-05	581.785622	0.44888889	0.74797142	0.1430084	-0.29892237	1.66535159
-5.43E-05	450	0.44888889	0.73777017	0.14132915	-0.40236522	1.72744794
-4.66E-05	386.742174	0.40444444	0.69519673	0.15145412	-0.33221608	1.67362072
-4.58E-05	450	0.45333333	0.73920421	0.14206523	-0.33591298	1.76527214
-4.31E-05	391.681331	0.52888889	0.70950459	0.14841637	-0.28388978	1.65525652
-4.15E-05	450	0.39111111	0.67390994	0.15630629	-0.20569191	1.62536066
-4.92E-05	450	0.2	0.79687292	0.14464021	-0.14295378	1.65009584
-3.33E-05	422.674345	0.31555556	0.70906817	0.14759086	-0.23646268	1.932169
-3.93E-05	386.913376	0.42222222	0.71018943	0.14477396	-0.21246228	1.67797597

-1.14E-05	450	0.62222222	0.65659488	0.14948617	-0.56362638	1.56933598
-4.71E-05	450	0.33777778	0.75729082	0.14362039	-0.23202395	1.73709611
-3.71E-05	450	0.34666667	0.7322247	0.14494095	-0.14126156	1.66643891
-1.94E-05	719.658426	0.51111111	0.68231941	0.1473198	-0.43547645	1.63460675
-3.76E-05	376.595166	0.65777778	0.60545312	0.15455199	-0.46629475	1.49896253
-4.16E-05	450	0.44	0.68457147	0.1545561	-0.18443612	1.5950064
-2.30E-05	450	0.47111111	0.6527557	0.15143844	-0.37634816	1.6974252
-4.84E-05	521.250558	0.56444444	0.62060334	0.16012439	-0.41063315	1.64689879
-3.56E-05	387.806744	0.43111111	0.69955521	0.15203602	-0.19038135	1.62863277
-4.77E-05	450	0.29777778	0.77724505	0.14019096	-0.1490447	1.62126212
-2.70E-05	450	0.41777778	0.63852519	0.15350746	-0.46329546	1.69603454
-1.32E-05	572.901981	0.31111111	0.77857041	0.1413528	-0.25575158	1.64443613
-3.65E-05	643.554885	0.45333333	0.68016845	0.14976512	-0.47705818	1.69888197
-1.14E-05	357.287181	0.20444444	0.70865339	0.15559164	-0.31177427	1.61372796
-2.84E-05	450	0.40444444	0.68877746	0.14545662	-0.27697496	1.58446764
-2.32E-05	538.766121	0.65333333	0.68336878	0.14383283	-0.49122016	1.63643021
-4.55E-05	450	0.32	0.67446878	0.15381775	-0.35830473	1.51162038
-1.97E-05	450	0.34666667	0.70678633	0.14405033	-0.21536663	1.66903359
-3.41E-05	450	0.40444444	0.68503923	0.14760133	-0.20771108	1.6776727
-4.35E-05	450	0.36888889	0.74097216	0.15036912	-0.10516917	1.68747035
-2.27E-05	360.805018	0.61777778	0.73567615	0.13754437	-0.22415357	1.81881492
-4.71E-05	383.797957	0.35111111	0.77909013	0.14057293	-0.11654372	1.82906028
-3.06E-05	450	0.25777778	0.7478564	0.14442286	-0.17023699	1.82319459
-3.75E-05	450	0.48888889	0.66308727	0.14986779	-0.3490987	1.54234343
-2.90E-05	450	0.44888889	0.67435461	0.14736194	-0.43975884	1.64161816
-3.16E-05	450	0.56888889	0.67622917	0.14646804	-0.3000836	1.59938955
-3.50E-05	313.110254	0.36444444	0.69998738	0.15167992	-0.25638124	1.62316223
-1.15E-05	450	0.29333333	0.77277847	0.14684029	-0.22435376	1.58099763
-5.76E-05	450	0.61777778	0.70543825	0.14847148	-0.20160982	1.74333938
-2.56E-05	450	0.59555556	0.70063826	0.15084974	-0.32184125	1.5906921
-3.34E-05	450	0.39111111	0.73449914	0.14905782	-0.21641857	1.65706478
-4.39E-05	377.139227	0.49333333	0.68372479	0.1492442	-0.46630675	1.59922667
-4.10E-05	450	0.60888889	0.74343697	0.14192652	-0.18654091	1.78947077
-4.38E-05	450	0.26222222	0.72641636	0.15135683	-0.28738573	1.58682003
-1.66E-05	450	0.42666667	0.72504072	0.14177925	-0.18841602	1.68581376
-1.67E-05	450	0.30666667	0.7812559	0.14376664	-0.29242916	1.52246727
-4.83E-05	369.717655	0.24888889	0.84624722	0.13385536	-0.17452807	1.68743837
-5.24E-05	450	0.37333333	0.71841266	0.15248956	-0.29515473	1.59074749
-4.25E-05	450	0.48444444	0.67782978	0.14853986	-0.42034087	1.58990877
-2.03E-05	352.558673	0.28444444	0.71697268	0.15444527	-0.23733862	1.6373746
-2.33E-05	450	0.32444444	0.75872292	0.13918784	-0.06987466	1.70423242
-6.13E-05	450	0.44	0.67677041	0.15506557	-0.32695759	1.60616713
-5.32E-05	524.742524	0.28	0.78790553	0.14352414	-0.10354962	1.8561726
-2.87E-05	450	0.41333333	0.71960381	0.14219209	-0.22498624	1.79718549
-2.36E-05	486.06275	0.39111111	0.67700437	0.1482067	-0.37204392	1.62547559

-4.29E-05	450	0.48888889	0.65631303	0.15909093	-0.36664595	1.55358115
-2.48E-05	450	0.40888889	0.71531541	0.14107342	-0.10659014	1.67202613
-3.53E-05	450	0.54222222	0.61881912	0.1609406	-0.41191893	1.64987933
-4.83E-06	450	0.50666667	0.72156863	0.14348953	-0.33079744	1.68327854
-4.97E-05	450	0.27555556	0.79249774	0.14086987	-0.22980962	1.65366929
-2.88E-05	450	0.40888889	0.72853965	0.13900634	-0.32474508	1.6074622
-1.93E-05	450	0.25333333	0.71359858	0.153784	-0.32810191	1.69210562
-3.25E-05	450	0.23555556	0.81789595	0.13856214	-0.21378864	1.62624218
-4.63E-05	450	0.69777778	0.64031351	0.15359855	-0.40191568	1.59220006
-3.34E-05	450	0.62666667	0.6865028	0.14539857	-0.45057787	1.69678911
-4.35E-05	450	0.42666667	0.74202165	0.1455603	-0.25158953	1.7565773
-4.77E-05	366.500052	0.29777778	0.80413085	0.13464639	-0.14701982	1.60921782
-2.56E-05	368.123975	0.36444444	0.78280266	0.14263712	-0.3198233	1.66879713
-3.18E-05	450	0.53333333	0.71333802	0.14130527	-0.40751545	1.69159203
-1.43E-05	369.448655	0.60444444	0.68389388	0.14283156	-0.47975882	1.52580891
-5.74E-05	499.367786	0.46666667	0.70460167	0.14968388	-0.38172857	1.59106384
-3.76E-05	450	0.49777778	0.74356862	0.14274867	-0.19445518	1.6602912
-2.67E-05	401.125294	0.52444444	0.63951465	0.15424302	-0.24061388	1.67146359
-2.57E-05	450	0.37333333	0.70737374	0.14800921	-0.33578163	1.64669041
-3.40E-05	450	0.54666667	0.70267316	0.14785084	-0.30605296	1.71670821
-1.31E-05	450	0.48	0.75300621	0.13899805	-0.43826434	1.59338537
-3.73E-05	450	0.50666667	0.63266044	0.14922662	-0.4690733	1.54401769
3.85E-07	450	0.40444444	0.72610642	0.14247683	-0.2601868	1.65323139
-2.22E-05	450	0.28444444	0.85069371	0.13415715	-0.22450626	1.79718317
-3.36E-05	450	0.38222222	0.66414259	0.15706612	-0.39883612	1.63014178
-4.63E-05	450	0.32	0.7314761	0.14053766	-0.28908302	1.66706429
-4.25E-05	450	0.40444444	0.73599437	0.14677262	-0.11446858	1.8182053
-4.02E-05	450	0.53333333	0.70620865	0.14369813	-0.34637153	1.73825874
-6.03E-05	450	0.56444444	0.70066096	0.14869247	-0.30788059	1.66593156
-4.47E-05	450	0.35111111	0.80543684	0.13099786	-0.13141367	1.81642522
-3.97E-05	450	0.68888889	0.67482614	0.14885415	-0.24007094	1.64133341
-3.15E-05	379.051626	0.37777778	0.65655823	0.14724591	-0.39676506	1.64674675
-2.26E-05	593.501544	0.54222222	0.68207876	0.15558856	-0.30731018	1.60239604
-3.61E-05	450	0.48888889	0.72824088	0.14732988	-0.19458908	1.71809665
-1.71E-05	450	0.27555556	0.78288947	0.13910735	-0.21741825	1.80323533
-4.04E-05	450	0.57777778	0.63235184	0.15594764	-0.43110222	1.64531671
-1.63E-05	450	0.00222222	1.21427706	0.12014904	0.75417762	1.64368709
-2.98E-05	450	0.00222222	1.21238445	0.11742133	0.73861991	1.69700954
-2.16E-05	450	0.00444444	1.23120709	0.11736049	0.83022742	1.73718081
-1.94E-05	344.921072	0.00222222	1.1858897	0.1203874	0.74612779	1.65641588
-2.34E-05	450	0.00222222	1.20206901	0.12057057	0.73057552	1.70782827
-2.23E-05	384.69696	0.00222222	1.19073143	0.1196226	0.70996866	1.68245595
-1.25E-05	450	0.00222222	1.23137969	0.11890445	0.82954203	1.73883894
-1.84E-05	874.491956	0.00222222	1.16327862	0.12062264	0.63592283	1.66638159
-3.13E-06	518.912699	0.00222222	1.17284986	0.12356484	0.66350853	1.56595052

-1.87E-05	450	0.00222222	1.29898118	0.11237336	0.91373066	1.69108228
-2.03E-05	272.449275	0.00222222	1.19763854	0.12052184	0.70930463	1.64996503
9.90E-06	531.415983	0.00222222	1.18542892	0.12228381	0.65765511	1.67732719
-1.27E-06	450	0.00222222	1.25783059	0.11809918	0.79697837	1.64999412
-2.91E-05	450	0.00222222	1.21757272	0.11893385	0.76243806	1.65482148
-2.60E-05	450	0.00222222	1.21983879	0.11734545	0.75391009	1.691078
-2.60E-05	450	0.00222222	1.26081786	0.11584348	0.78342681	1.73952074
-2.58E-05	450	0.00222222	1.18789485	0.12116971	0.72492729	1.69831907
-3.33E-05	450	0.00222222	1.19986876	0.11996336	0.61239013	1.63740544
-2.75E-05	450	0.00222222	1.24167324	0.11790192	0.76880483	1.68684711
-1.76E-05	450	0.00222222	1.31175821	0.11233766	0.89502676	1.73799716
-3.58E-05	450	0.00222222	1.2065197	0.12118719	0.77898803	1.67971302
-9.95E-06	450	0.00222222	1.16654773	0.12180578	0.61744164	1.64556043
-1.89E-05	450	0.00222222	1.17086622	0.12255012	0.64555055	1.64082007
-2.64E-05	450	0.00222222	1.25746099	0.11689826	0.81985791	1.65631498
-3.16E-05	450	0.00222222	1.23628527	0.1164065	0.70207652	1.69638945
-3.43E-05	450	0.00444444	1.18022446	0.12012073	0.67463788	1.65286257
-1.92E-05	406.238533	0.00222222	1.21012783	0.11886122	0.72118234	1.6209726
-2.40E-05	450	0.00222222	1.23795827	0.11658047	0.78924193	1.68508492
-2.34E-05	450	0.00222222	1.17569024	0.12304961	0.66665549	1.60840205
-2.57E-05	450	0.00444444	1.16112948	0.12337803	0.68416193	1.67808818
-2.14E-05	450	0.00222222	1.15583454	0.1222026	0.67456041	1.6241141
-1.01E-05	450	0.00222222	1.15020574	0.12476939	0.7179237	1.68572376
-1.63E-05	450	0.00222222	1.22827445	0.11731751	0.75526245	1.65749846
-1.93E-05	450	0.00222222	1.20832796	0.11932954	0.70451725	1.71710424
-1.94E-05	565.57018	0.00222222	1.24935231	0.11780809	0.80731692	1.66494758
-2.82E-05	450	0.00222222	1.21975399	0.11970304	0.7342756	1.69636329
-2.48E-05	450	0.00222222	1.17381723	0.12216022	0.73756926	1.72556751
-1.72E-05	450	0.00222222	1.20446622	0.12027243	0.73091865	1.66471202
-1.34E-05	659.010861	0.00222222	1.22569355	0.11846371	0.70763981	1.71080081
-1.38E-05	290.746369	0.00222222	1.1849237	0.12178157	0.70403642	1.63847628
-1.56E-05	450	0.00222222	1.21534421	0.12012837	0.82223282	1.65524114
-6.88E-06	450	0.00222222	1.1698643	0.12186109	0.64499346	1.66837994
-3.10E-05	388.364343	0.00222222	1.24792032	0.11719577	0.74304658	1.68122098
-1.86E-05	450	0.00222222	1.26739924	0.11477598	0.81646004	1.67222607
-2.90E-05	450	0.00222222	1.20613005	0.11876063	0.77788374	1.77337569
-2.52E-05	450	0.00222222	1.17119683	0.12273397	0.63681238	1.65803938
-1.97E-05	450	0.00222222	1.19815977	0.12049062	0.6429956	1.6418014
-1.66E-05	376.987553	0.00222222	1.16251343	0.12256102	0.62393883	1.64759109
-1.68E-05	450	0.00222222	1.20387629	0.12004621	0.78151431	1.68433525
-1.67E-05	450	0.00222222	1.20868824	0.11985375	0.81053641	1.68053681
-1.21E-05	371.100671	0.00444444	1.16530038	0.1218362	0.69137314	1.75370413
-2.58E-05	450	0.00222222	1.21002646	0.11977598	0.80111632	1.68818301
-4.35E-06	450	0.00222222	1.2069618	0.1186551	0.73943195	1.65723954
-2.59E-05	450	0.00222222	1.22920136	0.11656325	0.80839397	1.67476484

-3.50E-05	450	0.00222222	1.21203498	0.11841851	0.66293636	1.63902047
-1.99E-05	450	0.00222222	1.18826834	0.12140061	0.73165733	1.67877336
-2.78E-05	450	0.00222222	1.26015801	0.11588793	0.78085853	1.67043383
-9.90E-06	450	0.00222222	1.1793076	0.12128092	0.73752188	1.65706373
-1.10E-05	450	0.00222222	1.29083854	0.1145852	0.79930459	1.65146338
-3.15E-05	354.010595	0.00222222	1.19584144	0.11908426	0.70780745	1.68523787
-2.25E-05	450	0.00222222	1.21066709	0.12197729	0.74730553	1.71580055
-1.56E-05	450	0.00222222	1.19590988	0.11971084	0.63471877	1.67074606
-1.62E-05	434.4469	0.00222222	1.22815867	0.11821256	0.71327577	1.65529006
-8.82E-06	450	0.00222222	1.20806825	0.11741928	0.73284549	1.69878564
-1.76E-05	450	0.00222222	1.21002735	0.1191704	0.71781254	1.64716012
-1.04E-05	450	0.00222222	1.21243799	0.11818729	0.7516694	1.67242488
-2.32E-05	340.497121	0.00222222	1.25734253	0.11616517	0.81936818	1.68334413
-1.94E-05	450	0.00222222	1.19278251	0.11848766	0.65860089	1.73649666
-2.00E-05	450	0.00222222	1.17942842	0.11893164	0.65239945	1.6432769
-1.56E-05	375.675826	0.00222222	1.23059782	0.11781533	0.82362555	1.65834613
-2.03E-05	450	0.00222222	1.16320778	0.12313902	0.53654941	1.60857272
-2.47E-05	450	0.00222222	1.31722185	0.11282513	0.85828599	1.74349796
-2.17E-05	450	0.00222222	1.24946113	0.11738152	0.77848993	1.72616642
-6.44E-06	357.52049	0.00222222	1.20786197	0.11979567	0.70922054	1.66376505
-1.82E-05	390.941555	0.00222222	1.24046074	0.11678831	0.81642132	1.72108677
-1.77E-05	450	0.00222222	1.17027557	0.1237854	0.72299895	1.65616468
-3.13E-05	375.329214	0.00222222	1.20095654	0.1193259	0.71435595	1.62448334
-6.45E-06	363.092834	0.00222222	1.19094885	0.11943828	0.65124264	1.74375528
-2.76E-05	435.538234	0.00222222	1.17939378	0.1232044	0.62114758	1.5899786
-2.27E-05	450	0.00222222	1.19475693	0.1218658	0.73111698	1.70731621
-1.40E-05	450	0.00222222	1.1833104	0.12299198	0.70004016	1.60414881
-2.78E-05	450	0.00222222	1.25522451	0.11565707	0.8059783	1.76827558
-2.31E-05	450	0.00222222	1.19311932	0.1202001	0.72754749	1.68531315
-7.21E-06	450	0.00222222	1.19225065	0.11997445	0.68592597	1.64672596
-2.66E-05	383.443861	0.00222222	1.21199956	0.11818243	0.74854179	1.67988381
-1.78E-05	372.733163	0.00222222	1.20402187	0.11972637	0.77335355	1.70106874
-3.01E-05	392.367046	0.00444444	1.21195141	0.1179391	0.71361526	1.6077807
-3.35E-05	450	0.00222222	1.24645953	0.11590626	0.79878093	1.71920897
-2.12E-05	450	0.00222222	1.18597015	0.12338355	0.72959996	1.62023249
-1.64E-05	450	0.00222222	1.16688741	0.12294343	0.67782171	1.65885397
-1.91E-05	450	0.00222222	1.21413987	0.12042448	0.73246464	1.67647007
-2.83E-05	450	0.00222222	1.26911634	0.11506309	0.80559256	1.6638209
-2.35E-05	309.9542	0.00222222	1.19970519	0.11838335	0.67073475	1.66681495
-2.40E-05	383.627064	0.00222222	1.22695819	0.11974929	0.74341911	1.76829177
-2.75E-05	531.572204	0.00222222	1.25088052	0.11522341	0.83316475	1.65681159
-2.75E-05	380.620108	0.00222222	1.25602318	0.11836746	0.81027009	1.7014401
-2.23E-05	424.066716	0.00222222	1.14260784	0.12532753	0.63749711	1.59820564
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-1.71E-05	514.866968	0.00222222	1.26555178	0.11754643	0.79889627	1.71489989

-2.93E-05	450	0.00222222	1.15361482	0.12424046	0.69565249	1.61461528
-2.18E-05	332.266883	0.00222222	1.70864953	0.08445442	1.53702269	1.91392137
-1.73E-05	584.555096	0.00222222	1.79753958	0.07929603	1.62726103	2.00280397
-1.75E-05	450	0.00222222	1.9155765	0.07256294	1.7507455	2.07541661
-1.80E-05	390.725333	0.00222222	1.63935265	0.08904794	1.43989122	1.80607327
-2.06E-05	416.728273	0.00222222	1.73827029	0.08206393	1.55632601	1.92008782
-1.94E-05	371.491553	0.00222222	1.85602014	0.07558179	1.70207433	2.00210216
-2.03E-05	309.967694	0.00222222	1.7151695	0.09895011	1.50061272	1.89879996
-1.67E-05	450	0.00222222	1.76798842	0.09286713	1.59071927	1.97675142
-1.40E-05	320.954015	0.00222222	1.90433301	0.08226308	1.73404625	2.07210203

asym_lowerasym_upperasym_ess asym_pMCMC

0.11395833	0.24271202	450	0.03555556
0.10476297	0.24496759	450	0.01333333
0.10417246	0.23631033	454.087878	0.01333333
0.11819953	0.25053576	517.054178	0.05333333
0.10727775	0.24986422	450	0.04
0.11717729	0.25691789	386.042544	0.03555556
0.12199957	0.26192001	304.778383	0.06666667
0.10761844	0.24591341	450	0.05777778
0.12678756	0.25007814	450	0.04
0.11918455	0.25138171	450	0.04
0.10025333	0.23677813	373.753562	0.03111111
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0.11521416	0.25786693	450	0.08
0.114742	0.24090366	450	0.03111111
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0.11904213	0.25609221	450	0.02222222
0.114896	0.24960149	450	0.02222222
0.10637689	0.24668742	450	0.05333333
0.10749825	0.24482881	450	0.02222222
0.11514747	0.25701401	450	0.11555556
0.10900702	0.2357473	450	0.01333333
0.1166606	0.2489728	450	0.03111111
0.11089518	0.24426715	381.264282	0.01333333
0.10061757	0.24221185	450	0.04444444
0.12060344	0.25371985	450	0.04888889
0.12692199	0.25191772	450	0.03555556
0.11663541	0.24352311	450	0.03555556
0.10891298	0.24852599	450	0.03555556
0.12489109	0.26857987	450	0.08
0.12373055	0.25548083	450	0.04888889
0.10936415	0.24031777	450	0.00888889
0.1221962	0.24715815	450	0.01777778
0.11772791	0.25023601	450	0.03555556
0.10126718	0.23941694	383.062523	0.03555556
0.11694772	0.24758705	450	0.01777778
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0.10792913	0.24696898	450	0.08888889
0.12141652	0.26706102	450	0.07111111
0.11719552	0.23873683	450	0.02666667
0.10670608	0.23956266	438.048526	0.01333333
0.12332469	0.26212658	450	0.08888889
0.11391492	0.24717187	450	0.02666667
0.12043534	0.25925677	450	0.08888889

0.11182632	0.23624926	591.149246	0.02222222
0.11036402	0.24556456	450	0.02222222
0.1150021	0.25731537	450	0.07111111
0.1173568	0.25220696	450	0.05777778
0.10351991	0.25085558	450	0.05777778
0.11399287	0.24584456	450	0.03555556
0.11047465	0.24579647	450	0.01777778
0.10623992	0.24456625	450	0.04444444
0.11156302	0.23685198	389.716318	0.04
0.11290184	0.24508615	396.578029	0.04888889
0.10769952	0.24613341	349.77931	0.05777778
0.12419035	0.24601669	536.601312	0.02666667
0.10635593	0.23982648	450	0.03555556
0.10695467	0.2370993	450	0.01333333
0.10708922	0.23436559	545.311391	0.02666667
0.11615216	0.25427022	450	0.04888889
0.104142	0.24377469	410.742737	0.01777778
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0.10928823	0.23712241	450	0.01333333
0.12226096	0.25451643	450	0.09333333
0.1135857	0.23993301	552.606944	0.01333333
0.13407988	0.26719178	371.493563	0.06666667
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0.10988135	0.24593992	387.575066	0.03111111
0.10915082	0.2421215	450	0.01777778
0.12141582	0.25730549	450	0.12
0.12584856	0.27191854	381.359688	0.12444444
0.12399074	0.24746378	450	0.05777778
0.11364439	0.2500117	450	0.02666667
0.10625625	0.24345141	450	0.03111111
0.11138309	0.2426601	450	0.00444444
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0.11514231	0.25769124	387.144724	0.07111111
0.11131934	0.2411871	450	0.01333333
0.11289774	0.24126956	450	0.03555556
0.10100877	0.23638936	569.249672	0.00888889
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0.10997981	0.24860034	450	0.03111111
0.11285798	0.25222801	450	0.04888889
0.10200192	0.22513527	450	0.00222222
0.11528263	0.2502828	517.214679	0.02222222
0.12189042	0.2561062	450	0.06222222
0.11026775	0.2472738	450	0.04
0.11626004	0.24498972	928.476308	0.02666667

0.11297987	0.2361669	376.253382	0.01333333
0.10364622	0.24486988	450	0.03111111
0.10804481	0.2402257	450	0.04
0.11117299	0.25818476	450	0.09333333
0.11209567	0.24782402	358.016839	0.05333333
0.10570492	0.23496193	379.969018	0.01333333
0.10695398	0.24967504	450	0.05777778
0.11623816	0.24810178	450	0.01777778
0.11947434	0.25379906	450	0.05333333
0.11382556	0.24864667	450	0.03111111
0.1103993	0.24217345	380.196517	0.04444444
0.04503558	0.11631568	538.307568	0.00222222
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0.03969996	0.11137072	450	0.00222222
0.02971459	0.11441671	450	0.00222222
0.03551619	0.11666263	391.477598	0.00222222
0.0441716	0.10973894	450	0.00222222
0.03699697	0.11750574	450	0.00222222
0.0423718	0.11494974	727.450138	0.00222222
0.03698855	0.11203333	450	0.00222222
0.03799388	0.11458905	450	0.00222222
0.04142426	0.11582093	450	0.00222222
0.04867591	0.1239121	538.680974	0.00222222
0.02991201	0.10762495	450	0.00222222
0.05383353	0.11643248	450	0.00222222
0.04116425	0.1157076	450	0.00222222
0.03549481	0.116619	450	0.00222222
0.03449041	0.11412017	450	0.00222222
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0.03070059	0.10864905	305.355985	0.00222222
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0.0503443	0.12904803	450	0.00222222
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0.03691401	0.11065589	450	0.00222222
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0.04601325	0.11620543	450	0.00222222
0.03406023	0.11605225	450	0.00222222
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0.03785193	0.11531447	450	0.00222222

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0.03442829	0.11251439	450	0.00222222
0.03206508	0.11345266	450	0.00222222
0.04795259	0.1185436	450	0.00222222
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0.03556824	0.11150759	659.143354	0.00222222
0.04596908	0.12291261	450	0.00222222
0.04443478	0.11188491	450	0.00222222
0.03967085	0.10919838	450	0.00222222
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0.05425604	0.12127104	450	0.00222222
0.03816133	0.10845701	450	0.00222222
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0.04134521	0.11758155	450	0.00222222
0.04307201	0.11468617	547.047503	0.00222222
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0.02781417	0.09583746	450	0.00222222
0.02508236	0.08885302	450	0.00222222
0.0226649	0.08924919	450	0.00222222
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0.02592728	0.09040457	450	0.00222222
0.02895611	0.09222799	450	0.00222222
0.03073201	0.09288968	450	0.00222222
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0.02805504	0.08922389	450	0.00222222
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0.02454638	0.09205889	450	0.00222222
0.02645584	0.0945074	450	0.00222222
0.02524519	0.09082455	450	0.00222222
0.03173	0.09831037	450	0.00222222
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0.02515946	0.09066057	450	0.00222222
0.02359145	0.09439963	355.99757	0.00222222
0.03311989	0.09931601	450	0.00222222
0.02345829	0.08614739	450	0.00222222
0.02979577	0.09369231	487.267201	0.00222222
0.02489791	0.08951294	450	0.00222222
0.0251415	0.09333033	450	0.00222222
0.03606341	0.09720898	298.486452	0.00222222
0.02027096	0.08956387	450	0.00222222
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0.02909949	0.09841996	450	0.00222222
0.0296147	0.09500425	450	0.00222222
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0.02967197	0.09418637	451.273021	0.00222222
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-0.06552847	0.35012298	450	0.02222222
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1	Arbour.phy.n	304.015617	286.047693	285.489592	0.01417823
2	Arbour.phy.n	305.695633	286.811286	286.897786	0.01391024
3	Arbour.phy.n	305.067566	286.919153	288.186701	0.01277455
4	Arbour.phy.n	303.790891	284.740623	285.599619	0.0134682
5	Arbour.phy.n	302.441389	285.276009	285.095641	0.01343394
6	Arbour.phy.n	305.960097	284.831168	286.239825	0.01379761
7	Arbour.phy.n	302.517571	284.420496	284.592659	0.01438008
8	Arbour.phy.n	303.982398	285.546422	284.646992	0.01456497
9	Arbour.phy.n	302.804638	283.735202	283.801583	0.0138465
10	Arbour.phy.n	303.26732	285.404268	284.963062	0.01421753
11	Arbour.phy.n	304.906292	286.323812	286.965435	0.01297767
12	Arbour.phy.n	303.972738	285.126814	285.99422	0.01374781
13	Arbour.phy.n	301.807296	283.82028	283.869777	0.01419344
14	Arbour.phy.n	304.100514	284.924711	285.82598	0.01281282
15	Arbour.phy.n	304.343435	285.628455	285.325095	0.01427721
16	Arbour.phy.n	302.20213	283.988832	284.110667	0.01418206
17	Arbour.phy.n	304.099571	285.550863	285.919497	0.01382496
18	Arbour.phy.n	304.198407	284.92466	285.425833	0.014082
19	Arbour.phy.n	303.059744	286.28802	285.094951	0.0139133
20	Arbour.phy.n	305.831839	287.693872	288.994606	0.01304812
21	Arbour.phy.n	302.589958	284.5259	284.156946	0.01420927
22	Arbour.phy.n	306.562275	287.582446	288.375788	0.01324789
23	Arbour.phy.n	303.99097	284.094775	285.435532	0.01394997
24	Arbour.phy.n	305.11075	286.61683	288.017564	0.01313843
25	Arbour.phy.n	304.006287	285.202961	286.479178	0.01323494
26	Arbour.phy.n	303.070712	284.101725	284.334764	0.0143226
27	Arbour.phy.n	305.200672	285.082864	285.613766	0.01374623
28	Arbour.phy.n	301.705593	284.502114	284.802543	0.01379827
29	Arbour.phy.n	305.475691	285.83502	287.417132	0.01282101
30	Arbour.phy.n	302.875747	284.671326	284.175442	0.01489386
31	Arbour.phy.n	305.575743	285.403212	286.414231	0.01378253
32	Arbour.phy.n	305.317815	286.162952	287.450689	0.01321065
33	Arbour.phy.n	305.110727	285.684552	286.098541	0.01397271
34	Arbour.phy.n	304.373594	284.848607	285.674074	0.01387117
35	Arbour.phy.n	304.211287	284.368116	286.042211	0.01317272
36	Arbour.phy.n	304.252622	285.025361	285.758461	0.01323866
37	Arbour.phy.n	305.745168	288.508698	289.754022	0.01264581
38	Arbour.phy.n	302.680505	285.512267	285.286409	0.01429952
39	Arbour.phy.n	303.715805	284.934959	285.309229	0.01417192
40	Arbour.phy.n	303.954165	284.295108	285.451804	0.01287791
41	Arbour.phy.n	304.721987	286.253426	287.59235	0.01302605
42	Arbour.phy.n	300.224176	283.488119	283.911642	0.01396423

43	Arbour.phy.n	303.718019	284.877866	285.933506	0.01364324
44	Arbour.phy.n	302.331532	284.198278	283.917521	0.0144881
45	Arbour.phy.n	302.574327	283.23878	284.559327	0.0135274
46	Arbour.phy.n	305.74957	286.753209	287.168143	0.01370644
47	Arbour.phy.n	303.883572	284.344514	284.820131	0.0139167
48	Arbour.phy.n	301.786348	284.133789	284.050979	0.01448062
49	Arbour.phy.n	303.932272	284.866699	285.748055	0.01381698
50	Arbour.phy.n	304.530633	285.628163	285.373809	0.01429258
51	Arbour.phy.n	304.201418	283.865424	284.803917	0.01433526
52	Arbour.phy.n	304.618847	285.947067	287.797492	0.01261719
53	Arbour.phy.n	304.637937	285.554853	287.079581	0.01325429
54	Arbour.phy.n	303.37654	285.954887	286.655467	0.01281456
55	Arbour.phy.n	304.072956	285.381646	286.059738	0.01356516
56	Arbour.phy.n	303.137498	283.940184	285.177898	0.01308635
57	Arbour.phy.n	302.822399	285.691316	287.468438	0.01254326
58	Arbour.phy.n	308.392383	289.888143	290.886468	0.01272645
59	Arbour.phy.n	304.947081	286.453104	287.835578	0.01300272
60	Arbour.phy.n	303.287861	284.319357	284.643729	0.0139798
61	Arbour.phy.n	304.813393	286.027478	288.144979	0.01251971
62	Arbour.phy.n	300.679979	282.848225	283.237294	0.01406606
63	Arbour.phy.n	306.165931	286.408353	287.645764	0.0143404
64	Arbour.phy.n	306.194454	287.671056	289.163559	0.01243453
65	Arbour.phy.n	302.306618	283.304678	283.474173	0.01478286
66	Arbour.phy.n	307.067154	287.368017	288.11588	0.01336439
67	Arbour.phy.n	301.434114	283.588666	283.197207	0.01453882
68	Arbour.phy.n	302.694366	284.521102	285.49896	0.01350091
69	Arbour.phy.n	304.17204	285.082956	286.84819	0.01282996
70	Arbour.phy.n	306.023723	287.904189	288.090149	0.01315091
71	Arbour.phy.n	301.426403	283.972972	282.890484	0.01454555
72	Arbour.phy.n	300.059234	282.974972	282.259012	0.01441786
73	Arbour.phy.n	301.237488	283.612778	283.721488	0.01409514
74	Arbour.phy.n	305.485763	286.788093	286.738254	0.01398257
75	Arbour.phy.n	305.600898	287.096054	287.201442	0.01324683
76	Arbour.phy.n	305.687112	286.173333	287.769385	0.01373697
77	Arbour.phy.n	303.466566	285.074829	284.476384	0.01421456
78	Arbour.phy.n	302.628984	284.744088	283.850322	0.01408331
79	Arbour.phy.n	303.477368	285.180999	285.470505	0.01329631
80	Arbour.phy.n	303.583916	285.523643	286.542024	0.01288422
81	Arbour.phy.n	305.017674	286.83216	288.245216	0.01255343
82	Arbour.phy.n	301.74672	283.556083	282.339493	0.01512746
83	Arbour.phy.n	303.668327	285.726589	285.823914	0.01414589
84	Arbour.phy.n	304.353289	284.654622	286.503523	0.01309727
85	Arbour.phy.n	307.862347	288.42852	290.162301	0.01257954

86	Arbour.phy.n	302.82193	285.335424	285.716723	0.01338377
87	Arbour.phy.n	303.595628	285.357186	285.535501	0.01397871
88	Arbour.phy.n	303.269184	284.746939	285.595178	0.01359593
89	Arbour.phy.n	305.362822	284.909666	286.486778	0.01278544
90	Arbour.phy.n	305.284662	285.681289	286.582912	0.01318831
91	Arbour.phy.n	307.126931	288.447656	289.42032	0.0131527
92	Arbour.phy.n	303.135677	285.065926	286.080906	0.01315892
93	Arbour.phy.n	301.156545	283.016637	282.675888	0.01442829
94	Arbour.phy.n	302.583686	283.63139	284.549767	0.01328501
95	Arbour.phy.n	304.327459	285.980405	286.055673	0.01392475
96	Arbour.phy.n	302.974752	285.85113	285.277998	0.01393604
97	Arbour.phy.n	302.67245	284.103078	283.927753	0.01485144
98	Arbour.phy.n	301.283664	282.952414	283.232144	0.0141871
99	Arbour.phy.n	303.460946	286.29347	285.680193	0.01420919
100	Arbour.phy.n	302.193252	284.593176	284.640373	0.01425807
101	Carballido.ph	506.13216	457.548474	490.471057	0.00444693
102	Carballido.ph	496.667107	451.681678	482.569683	0.00388713
103	Carballido.ph	500.790277	458.842054	488.687717	0.00384741
104	Carballido.ph	510.770484	449.674294	492.96687	0.00442752
105	Carballido.ph	495.086169	447.640645	480.875705	0.00411406
106	Carballido.ph	504.836311	462.965582	491.762775	0.00402528
107	Carballido.ph	499.168833	460.765112	487.625528	0.00363969
108	Carballido.ph	511.508971	464.047863	494.470235	0.00455092
109	Carballido.ph	503.387361	459.47216	488.867996	0.0043972
110	Carballido.ph	510.205972	443.229961	487.887125	0.00489336
111	Carballido.ph	509.393696	448.320565	486.095538	0.00536421
112	Carballido.ph	511.210664	453.107958	490.134789	0.00505919
113	Carballido.ph	505.844753	459.095064	490.759579	0.00440538
114	Carballido.ph	498.821629	460.526321	486.240878	0.00427222
115	Carballido.ph	504.066019	454.089652	488.429791	0.00458251
116	Carballido.ph	510.625359	446.601487	490.120425	0.00494606
117	Carballido.ph	510.292638	450.354819	488.718158	0.00493808
118	Carballido.ph	506.636469	449.786602	489.450343	0.00467184
119	Carballido.ph	509.750436	448.151401	488.70722	0.00488156
120	Carballido.ph	511.311246	458.314871	492.435809	0.00483369
121	Carballido.ph	505.554725	458.976118	488.244085	0.00501831
122	Carballido.ph	500.970065	455.809262	486.41551	0.0041629
123	Carballido.ph	514.784461	470.803475	498.552976	0.00456675
124	Carballido.ph	493.573426	441.280998	478.322111	0.00450247
125	Carballido.ph	503.773698	461.911327	491.186714	0.00389497
126	Carballido.ph	511.318994	446.512803	489.080087	0.005107
127	Carballido.ph	505.392643	462.145538	490.863957	0.00460427
128	Carballido.ph	506.896079	455.496075	489.598677	0.00482893

129	Carballido.ph	504.372759	462.20971	490.696502	0.00428684
130	Carballido.ph	508.717307	464.835694	494.12157	0.00448233
131	Carballido.ph	509.12041	443.798476	486.160438	0.00526375
132	Carballido.ph	494.530612	443.437095	478.698143	0.00426989
133	Carballido.ph	510.390301	450.288199	488.862487	0.00509927
134	Carballido.ph	500.862579	447.515603	483.868373	0.00431426
135	Carballido.ph	510.573822	443.892899	487.087483	0.00535041
136	Carballido.ph	511.822436	457.446974	492.628934	0.00493783
137	Carballido.ph	495.074977	459.730494	484.975683	0.00379323
138	Carballido.ph	512.398331	456.765902	492.935645	0.00513082
139	Carballido.ph	510.449869	445.264669	487.964324	0.00506805
140	Carballido.ph	503.58082	455.452611	487.712447	0.0045372
141	Carballido.ph	501.638071	456.70939	488.331322	0.00410259
142	Carballido.ph	510.593805	448.729959	489.268234	0.00512035
143	Carballido.ph	513.148694	451.982084	492.306454	0.00503107
144	Carballido.ph	502.562406	457.164856	487.256859	0.00440536
145	Carballido.ph	498.996387	457.028018	486.833047	0.00384211
146	Carballido.ph	503.400861	453.592268	486.996364	0.00453287
147	Carballido.ph	511.12928	465.120511	494.309505	0.00511222
148	Carballido.ph	512.567336	455.066186	492.515357	0.00470599
149	Carballido.ph	499.195619	449.252044	483.837337	0.00442788
150	Carballido.ph	509.617004	444.121685	484.484547	0.00574994
151	Carballido.ph	511.924143	456.635666	490.343749	0.0052479
152	Carballido.ph	500.403549	447.452398	482.081029	0.00500905
153	Carballido.ph	510.8091	448.623354	490.20319	0.0047058
154	Carballido.ph	502.341674	464.711955	490.713655	0.00406364
155	Carballido.ph	504.299904	460.352895	489.31746	0.00440744
156	Carballido.ph	503.59668	452.940079	489.535984	0.00403279
157	Carballido.ph	505.09039	463.157702	491.99818	0.00437205
158	Carballido.ph	513.173289	461.860396	494.033502	0.00499809
159	Carballido.ph	503.384648	460.755139	490.499255	0.00410956
160	Carballido.ph	509.748717	443.919565	488.489081	0.00467906
161	Carballido.ph	502.562556	463.334888	490.581471	0.00397053
162	Carballido.ph	496.630829	451.5186	483.485764	0.00417442
163	Carballido.ph	509.435779	446.612486	487.062376	0.00532945
164	Carballido.ph	511.356432	448.444362	488.914717	0.00534271
165	Carballido.ph	500.914253	449.649113	484.136664	0.00442943
166	Carballido.ph	501.047156	457.467532	487.356949	0.00452992
167	Carballido.ph	501.39482	450.735851	486.242191	0.00426851
168	Carballido.ph	508.350688	455.548927	491.260984	0.00462932
169	Carballido.ph	513.082882	455.181541	494.841632	0.00468991
170	Carballido.ph	509.259332	450.383106	488.922016	0.00499516
171	Carballido.ph	499.949267	449.68223	484.141896	0.00427427

172	Carballido.ph	510.357574	467.048591	495.45697	0.00434495
173	Carballido.ph	495.732248	444.894145	481.308801	0.0045041
174	Carballido.ph	512.093838	450.073368	489.18739	0.00535991
175	Carballido.ph	499.077584	459.061555	487.623303	0.00376017
176	Carballido.ph	502.620406	455.541379	488.492739	0.00405691
177	Carballido.ph	505.951566	457.097934	490.592017	0.00456494
178	Carballido.ph	492.105797	439.416595	478.448243	0.00418667
179	Carballido.ph	510.661606	448.025156	488.660899	0.00522299
180	Carballido.ph	501.005672	456.430499	485.36243	0.00462757
181	Carballido.ph	512.56396	457.033108	493.858758	0.00492745
182	Carballido.ph	502.639742	470.868235	492.148661	0.00378686
183	Carballido.ph	497.278177	447.610402	483.816192	0.004066
184	Carballido.ph	511.523535	448.080158	490.046911	0.0052152
185	Carballido.ph	509.202395	462.200597	494.123868	0.00438859
186	Carballido.ph	511.725913	447.452091	488.911711	0.00524732
187	Carballido.ph	502.698312	446.746453	485.225594	0.00457338
188	Carballido.ph	509.794889	452.316078	491.807716	0.00443447
189	Carballido.ph	497.018881	447.287017	481.374304	0.00434393
190	Carballido.ph	504.379658	473.479473	493.821881	0.00405036
191	Carballido.ph	510.686943	445.872658	487.63568	0.00540755
192	Carballido.ph	515.622038	474.615674	500.345694	0.00441255
193	Carballido.ph	504.811056	467.553316	492.93975	0.00431151
194	Carballido.ph	505.56601	460.351674	489.329854	0.0043228
195	Carballido.ph	501.717976	457.296463	487.249599	0.00445432
196	Carballido.ph	514.465923	458.510675	495.127791	0.00502304
197	Carballido.ph	512.858087	447.229787	489.860991	0.0051632
198	Carballido.ph	494.449127	447.130036	481.023967	0.004317
199	Carballido.ph	512.637492	455.395102	491.876165	0.00511252
200	Carballido.ph	508.570684	460.360486	493.373771	0.00450346
201	Cau.phy.nex	801.3806	798.036366	787.174474	0.00842436
202	Cau.phy.nex	802.55276	802.588594	790.830257	0.00788966
203	Cau.phy.nex	802.937699	803.553108	792.701634	0.00741385
204	Cau.phy.nex	803.286258	802.34218	791.369057	0.0078277
205	Cau.phy.nex	807.188291	805.201714	795.612716	0.00792961
206	Cau.phy.nex	803.381427	804.378443	793.484759	0.00755287
207	Cau.phy.nex	802.090378	800.472152	790.535121	0.00797806
208	Cau.phy.nex	803.10475	801.115438	792.037254	0.00741095
209	Cau.phy.nex	803.567531	800.443074	790.003026	0.00797804
210	Cau.phy.nex	803.362176	800.369184	789.779551	0.00823171
211	Cau.phy.nex	804.199181	803.092008	792.333202	0.00821458
212	Cau.phy.nex	804.22361	804.687577	793.940002	0.00713069
213	Cau.phy.nex	802.080473	800.087306	790.852838	0.00803251
214	Cau.phy.nex	805.930925	805.557396	796.293744	0.00742842

215	Cau.phy.nex	804.287498	802.0435	792.112567	0.0073784
216	Cau.phy.nex	801.305973	799.641887	789.374433	0.00814808
217	Cau.phy.nex	804.88803	804.488204	794.28229	0.00777513
218	Cau.phy.nex	803.194764	804.221619	794.276027	0.0073826
219	Cau.phy.nex	804.340882	801.383197	791.189029	0.00824516
220	Cau.phy.nex	804.118243	803.177801	793.355028	0.00794758
221	Cau.phy.nex	805.015181	804.761933	793.118086	0.00801995
222	Cau.phy.nex	803.099947	802.190025	790.855919	0.00784996
223	Cau.phy.nex	803.051087	800.505274	790.816576	0.00805614
224	Cau.phy.nex	799.288899	796.349568	786.635744	0.00842258
225	Cau.phy.nex	804.865145	803.443491	793.745902	0.00742196
226	Cau.phy.nex	801.838922	799.804096	790.009611	0.00794399
227	Cau.phy.nex	804.285448	804.035292	793.522378	0.00759703
228	Cau.phy.nex	803.437605	802.811664	792.575359	0.00771606
229	Cau.phy.nex	805.74161	805.544611	794.804647	0.00807356
230	Cau.phy.nex	804.216482	804.405867	793.011569	0.00774449
231	Cau.phy.nex	802.80007	799.901118	789.095452	0.00786607
232	Cau.phy.nex	802.460015	799.911387	789.533692	0.00800057
233	Cau.phy.nex	804.606767	803.052343	793.833054	0.007387
234	Cau.phy.nex	800.01808	797.843759	787.010734	0.00840775
235	Cau.phy.nex	800.942954	799.428164	789.454863	0.00801492
236	Cau.phy.nex	801.294892	800.729882	790.74371	0.0077045
237	Cau.phy.nex	801.027014	798.481944	788.378743	0.00839667
238	Cau.phy.nex	802.666685	801.338782	791.042617	0.00786418
239	Cau.phy.nex	803.031811	802.028207	791.640862	0.00785419
240	Cau.phy.nex	802.479399	802.904771	792.398004	0.00774969
241	Cau.phy.nex	802.760919	801.169792	789.910289	0.00806313
242	Cau.phy.nex	803.460415	803.317424	792.681841	0.00793583
243	Cau.phy.nex	803.612055	803.557415	792.683553	0.00811695
244	Cau.phy.nex	803.440828	802.339992	792.820453	0.00780421
245	Cau.phy.nex	804.533903	804.050989	793.462737	0.00767184
246	Cau.phy.nex	806.055443	805.523354	795.402332	0.00766051
247	Cau.phy.nex	803.900244	800.4683	790.655827	0.00852036
248	Cau.phy.nex	805.950369	803.875183	795.122822	0.00750238
249	Cau.phy.nex	800.707162	800.418698	789.046234	0.0080225
250	Cau.phy.nex	804.84229	802.987604	792.603012	0.00782095
251	Cau.phy.nex	800.906958	800.317974	789.405105	0.00836046
252	Cau.phy.nex	800.896341	798.357399	787.79287	0.00808909
253	Cau.phy.nex	806.772343	808.273999	796.806056	0.00750358
254	Cau.phy.nex	802.143535	799.730755	789.606129	0.00822306
255	Cau.phy.nex	804.267625	801.319941	792.315557	0.0080174
256	Cau.phy.nex	802.903727	797.602536	789.861595	0.00840255
257	Cau.phy.nex	803.859538	801.090577	791.354742	0.00799854

258	Cau.phy.nex	799.500905	796.986268	786.777614	0.00801274
259	Cau.phy.nex	803.616478	802.123915	791.617192	0.00799507
260	Cau.phy.nex	805.7461	805.438359	796.033366	0.00796662
261	Cau.phy.nex	806.054967	805.81492	795.696349	0.00737567
262	Cau.phy.nex	800.715667	799.291901	789.747058	0.00833002
263	Cau.phy.nex	802.605092	800.947224	790.639912	0.0085006
264	Cau.phy.nex	806.16706	805.154801	794.069964	0.00776728
265	Cau.phy.nex	802.962212	799.485979	791.275251	0.0078261
266	Cau.phy.nex	808.187123	809.221353	798.301329	0.00766161
267	Cau.phy.nex	805.820069	804.219828	793.874507	0.0080289
268	Cau.phy.nex	807.455872	805.768981	796.211129	0.00790301
269	Cau.phy.nex	801.289405	798.810457	788.12668	0.00823225
270	Cau.phy.nex	803.745524	801.005876	791.761514	0.00730068
271	Cau.phy.nex	800.81927	798.254478	789.504685	0.0080005
272	Cau.phy.nex	804.322898	804.070345	792.879821	0.00828156
273	Cau.phy.nex	803.697623	802.469917	792.091782	0.00793835
274	Cau.phy.nex	799.517023	798.544509	787.300884	0.00785628
275	Cau.phy.nex	802.471193	801.749003	791.551011	0.00803916
276	Cau.phy.nex	801.223586	799.635181	789.84763	0.00838935
277	Cau.phy.nex	808.669346	807.919168	795.53004	0.00788723
278	Cau.phy.nex	801.234426	800.453455	790.033929	0.00757588
279	Cau.phy.nex	800.978071	799.204871	788.657741	0.00831765
280	Cau.phy.nex	804.834886	804.065613	793.946067	0.00778796
281	Cau.phy.nex	799.802365	796.263364	787.408041	0.00820181
282	Cau.phy.nex	801.998712	799.858361	790.306598	0.00786265
283	Cau.phy.nex	804.866935	805.1402	794.300386	0.00767363
284	Cau.phy.nex	804.525863	804.297104	793.429471	0.00801622
285	Cau.phy.nex	803.019127	800.567271	790.542627	0.00832055
286	Cau.phy.nex	800.380347	799.138732	789.549997	0.00801308
287	Cau.phy.nex	803.864671	802.731434	792.151592	0.00768972
288	Cau.phy.nex	805.776588	806.413727	796.660225	0.00764159
289	Cau.phy.nex	802.873918	800.729921	791.692124	0.00767664
290	Cau.phy.nex	808.353326	808.261394	796.316511	0.0076599
291	Cau.phy.nex	801.23177	798.426242	789.191153	0.00814994
292	Cau.phy.nex	804.893524	803.649996	793.909981	0.00767591
293	Cau.phy.nex	802.682668	802.13093	791.131929	0.00788482
294	Cau.phy.nex	802.912717	800.313965	790.054746	0.00812586
295	Cau.phy.nex	805.009934	803.342388	793.023494	0.00806046
296	Cau.phy.nex	801.780781	796.300761	787.161442	0.00854344
297	Cau.phy.nex	804.980405	804.244839	794.64805	0.00746531
298	Cau.phy.nex	802.77671	801.626407	791.364707	0.00734899
299	Cau.phy.nex	803.80179	801.556187	791.813637	0.00795757
300	Cau.phy.nex	804.048363	801.153105	792.461734	0.00783713

301	Chiba.phy.ne	151.63685	141.078345	142.723721	0.06421308
302	Chiba.phy.ne	148.152277	139.605209	140.36449	0.06838417
303	Chiba.phy.ne	149.328661	139.91462	140.282952	0.06761096
304	Chiba.phy.ne	146.233979	137.939896	139.448881	0.06567058
305	Chiba.phy.ne	149.922778	139.651078	142.946716	0.05783951
306	Chiba.phy.ne	149.777047	135.199785	143.097098	0.05833421
307	Chiba.phy.ne	148.744072	139.040329	139.929222	0.06272766
308	Chiba.phy.ne	149.386177	140.141942	139.408455	0.06606909
309	Chiba.phy.ne	149.831983	141.384529	140.925849	0.07232377
310	Chiba.phy.ne	152.255577	139.835265	143.472809	0.06618943
311	Chiba.phy.ne	145.362583	137.351963	137.247718	0.06973225
312	Chiba.phy.ne	149.920515	138.17347	142.297958	0.05860371
313	Chiba.phy.ne	151.107191	140.767172	143.931966	0.0559818
314	Chiba.phy.ne	148.438624	137.102541	141.812776	0.06107172
315	Chiba.phy.ne	153.435433	141.671569	143.107193	0.06525722
316	Chiba.phy.ne	149.930835	138.8082	142.173758	0.06352663
317	Chiba.phy.ne	144.555911	135.814221	137.337946	0.06432462
318	Chiba.phy.ne	152.71964	142.07968	143.545994	0.07302684
319	Chiba.phy.ne	144.265287	136.781931	135.705376	0.07374858
320	Chiba.phy.ne	146.120086	137.172245	137.696646	0.07036911
321	Chiba.phy.ne	152.292955	141.527885	141.713484	0.07607102
322	Chiba.phy.ne	148.902814	138.283064	141.119492	0.06349016
323	Chiba.phy.ne	149.891792	139.616991	141.263174	0.06481625
324	Chiba.phy.ne	147.962444	139.112359	138.414987	0.07699234
325	Chiba.phy.ne	148.887191	139.045283	140.330905	0.07111124
326	Chiba.phy.ne	149.278476	137.815265	140.055355	0.0658625
327	Chiba.phy.ne	149.565673	138.327476	142.147966	0.06001332
328	Chiba.phy.ne	149.824657	140.059085	141.61792	0.06334934
329	Chiba.phy.ne	148.326732	139.760171	140.732539	0.06553212
330	Chiba.phy.ne	149.265277	137.967665	139.968157	0.06679707
331	Chiba.phy.ne	146.485584	136.530948	139.549959	0.06878771
332	Chiba.phy.ne	149.994827	140.576442	142.77947	0.0557922
333	Chiba.phy.ne	150.371778	141.042662	140.783898	0.06837746
334	Chiba.phy.ne	150.573954	140.93702	140.508794	0.07587092
335	Chiba.phy.ne	151.332865	139.982071	142.629091	0.06773997
336	Chiba.phy.ne	147.907903	138.585947	140.620377	0.06165046
337	Chiba.phy.ne	150.183942	137.006887	142.200513	0.0710243
338	Chiba.phy.ne	148.647287	137.332095	140.698334	0.05846771
339	Chiba.phy.ne	147.781685	137.051055	138.827173	0.06717073
340	Chiba.phy.ne	150.432667	139.190523	140.377866	0.07277299
341	Chiba.phy.ne	150.437714	138.680578	143.323842	0.06789165
342	Chiba.phy.ne	150.424216	137.728205	141.307287	0.06415904
343	Chiba.phy.ne	149.315259	138.718107	138.970841	0.07423925

344	Chiba.phy.ne	148.759553	140.237838	139.111833	0.0796269
345	Chiba.phy.ne	149.333257	139.339914	142.696985	0.06678353
346	Chiba.phy.ne	149.629475	135.897329	141.437383	0.06043026
347	Chiba.phy.ne	149.764943	141.488902	140.161896	0.07510679
348	Chiba.phy.ne	149.084078	139.455077	140.562342	0.07164471
349	Chiba.phy.ne	145.495631	137.049544	137.301347	0.07048789
350	Chiba.phy.ne	145.278337	136.48179	137.878052	0.07209323
351	Chiba.phy.ne	147.976111	138.03372	139.859301	0.06280845
352	Chiba.phy.ne	143.844441	136.646352	134.951761	0.06763976
353	Chiba.phy.ne	148.507873	138.923872	138.660524	0.07543351
354	Chiba.phy.ne	145.148225	135.964697	137.231368	0.07005825
355	Chiba.phy.ne	148.274099	140.508892	141.69013	0.05549921
356	Chiba.phy.ne	146.068973	137.204176	138.170679	0.07013207
357	Chiba.phy.ne	149.569116	137.686837	141.870176	0.06068082
358	Chiba.phy.ne	151.465192	137.726156	142.056148	0.06993599
359	Chiba.phy.ne	148.045193	136.979481	140.466027	0.06366352
360	Chiba.phy.ne	149.496675	139.697382	142.740044	0.06104435
361	Chiba.phy.ne	152.166216	141.173101	144.945259	0.07081867
362	Chiba.phy.ne	148.894897	137.447782	140.260647	0.06966641
363	Chiba.phy.ne	149.57268	136.676012	141.409212	0.06258289
364	Chiba.phy.ne	147.036712	138.301718	138.57734	0.0737284
365	Chiba.phy.ne	147.227632	138.096216	136.764369	0.07030506
366	Chiba.phy.ne	147.072836	139.105088	137.620738	0.0694269
367	Chiba.phy.ne	146.954809	138.270997	140.198969	0.06528222
368	Chiba.phy.ne	151.186444	140.970681	141.565262	0.06563109
369	Chiba.phy.ne	150.888918	138.996893	143.168736	0.06409625
370	Chiba.phy.ne	148.661938	137.020748	139.238327	0.06489177
371	Chiba.phy.ne	147.755208	140.781616	139.310992	0.07167984
372	Chiba.phy.ne	150.817415	140.52897	143.190302	0.07206144
373	Chiba.phy.ne	148.547979	138.738269	140.428077	0.06774715
374	Chiba.phy.ne	147.749296	139.412484	138.921593	0.06960503
375	Chiba.phy.ne	149.59392	137.770858	142.348163	0.06402109
376	Chiba.phy.ne	147.364173	138.295894	136.845373	0.07142823
377	Chiba.phy.ne	147.486612	137.325041	138.27254	0.06460768
378	Chiba.phy.ne	150.348776	140.261612	142.832375	0.06515807
379	Chiba.phy.ne	148.860552	138.687646	140.100469	0.07110824
380	Chiba.phy.ne	145.025267	137.783443	136.807176	0.07424808
381	Chiba.phy.ne	153.484059	142.934883	142.602873	0.0680463
382	Chiba.phy.ne	146.175782	136.416738	138.649219	0.06538546
383	Chiba.phy.ne	149.771363	140.308465	138.96647	0.07156358
384	Chiba.phy.ne	150.588664	139.644636	143.376062	0.06128909
385	Chiba.phy.ne	149.713392	140.630112	140.789446	0.06770199
386	Chiba.phy.ne	147.835065	138.367867	138.303449	0.07011831

387	Chiba.phy.ne	148.312515	138.370538	138.810496	0.07326164
388	Chiba.phy.ne	150.450124	141.024553	143.367643	0.05585973
389	Chiba.phy.ne	149.854055	138.268901	142.004272	0.06108906
390	Chiba.phy.ne	148.263752	138.993138	140.429801	0.07222226
391	Chiba.phy.ne	146.635308	138.492268	138.762357	0.06267502
392	Chiba.phy.ne	144.079368	136.517876	137.298718	0.06191006
393	Chiba.phy.ne	143.62213	135.955574	136.221202	0.06224738
394	Chiba.phy.ne	149.387682	136.415521	140.10651	0.07448915
395	Chiba.phy.ne	148.156537	137.784987	139.760915	0.05918255
396	Chiba.phy.ne	151.293749	140.459182	142.293823	0.07394897
397	Chiba.phy.ne	149.784915	137.513427	141.490409	0.06156987
398	Chiba.phy.ne	148.071325	138.061391	140.261435	0.06291516
399	Chiba.phy.ne	151.05645	138.630775	141.976002	0.06533495
400	Chiba.phy.ne	145.459295	136.896265	137.27686	0.06498351
401	Cruzado.phy.	335.299676	318.071133	315.380468	0.02810346
402	Cruzado.phy.	354.650827	331.388246	328.217054	0.02687218
403	Cruzado.phy.	343.836187	325.890424	322.618912	0.02417055
404	Cruzado.phy.	344.502965	324.571484	320.081457	0.02914499
405	Cruzado.phy.	348.127346	326.811905	322.665774	0.02888545
406	Cruzado.phy.	350.176145	330.760829	326.070978	0.02865365
407	Cruzado.phy.	349.119535	327.17778	324.238305	0.02833779
408	Cruzado.phy.	341.630896	321.804803	320.59243	0.02630667
409	Cruzado.phy.	344.041019	323.764804	321.981424	0.02778558
410	Cruzado.phy.	336.146524	318.352169	317.709297	0.02376619
411	Cruzado.phy.	337.089721	319.957153	317.374751	0.02654194
412	Cruzado.phy.	333.345656	316.843299	313.598598	0.03056659
413	Cruzado.phy.	343.888588	321.136857	319.407645	0.02865399
414	Cruzado.phy.	349.209076	328.099151	326.654717	0.02452388
415	Cruzado.phy.	339.965028	318.69861	318.389478	0.02666314
416	Cruzado.phy.	343.22498	325.178958	319.211371	0.02952661
417	Cruzado.phy.	341.413296	321.66325	319.093614	0.02640704
418	Cruzado.phy.	351.334173	329.095211	326.666573	0.02655901
419	Cruzado.phy.	354.152293	327.668709	323.695159	0.03074077
420	Cruzado.phy.	341.959212	323.830548	322.792246	0.02327634
421	Cruzado.phy.	350.94098	325.754847	322.4013	0.0334914
422	Cruzado.phy.	350.105864	328.57171	326.273248	0.02637633
423	Cruzado.phy.	338.409268	319.98818	319.64539	0.02587081
424	Cruzado.phy.	342.826656	321.241862	318.239175	0.03054262
425	Cruzado.phy.	339.214712	319.275349	318.19454	0.02694217
426	Cruzado.phy.	346.158554	324.115963	324.420424	0.02417791
427	Cruzado.phy.	339.619396	319.326305	317.138574	0.0278103
428	Cruzado.phy.	347.126966	324.667686	321.907173	0.02848
429	Cruzado.phy.	352.991956	330.520823	324.222958	0.0317858

430 Cruzado.phy.	343.012398	323.59141	316.175264	0.03060992
431 Cruzado.phy.	349.251802	326.488794	323.423384	0.02711365
432 Cruzado.phy.	334.753895	318.384726	317.826456	0.02399141
433 Cruzado.phy.	350.315764	327.131759	325.592576	0.02845035
434 Cruzado.phy.	348.198453	326.646161	324.064402	0.02805549
435 Cruzado.phy.	341.839458	321.934831	322.125712	0.02341208
436 Cruzado.phy.	346.497488	324.672006	320.539315	0.02811849
437 Cruzado.phy.	345.810996	324.6825	323.125943	0.02791932
438 Cruzado.phy.	339.749056	319.869659	318.443901	0.02664248
439 Cruzado.phy.	346.242581	328.106242	324.81296	0.02375908
440 Cruzado.phy.	354.000737	331.115707	327.496896	0.02820147
441 Cruzado.phy.	344.689357	322.768491	321.183163	0.02886301
442 Cruzado.phy.	355.001951	327.226015	326.630152	0.02993625
443 Cruzado.phy.	341.971182	325.08561	320.023187	0.02756734
444 Cruzado.phy.	354.367593	330.90023	324.327827	0.03193652
445 Cruzado.phy.	356.965299	330.932259	329.068966	0.02911407
446 Cruzado.phy.	338.056888	319.635226	318.354936	0.02753203
447 Cruzado.phy.	335.038876	317.836641	317.458601	0.02366528
448 Cruzado.phy.	350.546388	326.658026	320.541867	0.03318582
449 Cruzado.phy.	334.388091	318.06969	315.970268	0.0265568
450 Cruzado.phy.	343.166853	320.962284	318.94243	0.02982709
451 Cruzado.phy.	344.085634	322.170718	321.229132	0.02461558
452 Cruzado.phy.	344.51892	323.738575	321.377123	0.02620509
453 Cruzado.phy.	338.866152	318.734758	316.471544	0.0280436
454 Cruzado.phy.	337.667668	318.602512	318.907696	0.02429048
455 Cruzado.phy.	348.477651	323.866053	323.482448	0.02684829
456 Cruzado.phy.	345.024508	324.232196	320.097702	0.02936048
457 Cruzado.phy.	344.116706	324.116058	320.511102	0.02727723
458 Cruzado.phy.	338.363068	320.952578	317.722489	0.02891693
459 Cruzado.phy.	348.110857	326.989595	326.376912	0.02501554
460 Cruzado.phy.	357.06864	331.196961	325.929012	0.03141694
461 Cruzado.phy.	340.950226	321.638151	316.790987	0.02828975
462 Cruzado.phy.	333.057463	317.650722	316.081301	0.02784429
463 Cruzado.phy.	347.653616	324.432164	323.260268	0.0264106
464 Cruzado.phy.	348.904116	325.953291	321.908508	0.03134188
465 Cruzado.phy.	342.557742	323.139348	320.683225	0.02486986
466 Cruzado.phy.	344.947871	325.53084	326.046728	0.02372116
467 Cruzado.phy.	344.585269	322.482894	323.00047	0.02563423
468 Cruzado.phy.	355.829259	332.019187	325.927004	0.03170139
469 Cruzado.phy.	351.42952	328.724605	324.303951	0.0260989
470 Cruzado.phy.	340.942665	322.28417	320.731403	0.02348852
471 Cruzado.phy.	345.253504	323.094762	320.992812	0.02725914
472 Cruzado.phy.	346.201897	325.385522	323.180323	0.02661031

473 Cruzado.phy.	334.915507	317.365983	316.180758	0.02664305
474 Cruzado.phy.	357.848392	331.340541	324.581144	0.03318854
475 Cruzado.phy.	340.699946	322.928261	317.84452	0.02737924
476 Cruzado.phy.	350.05534	325.696091	325.172022	0.02546504
477 Cruzado.phy.	334.739759	317.427719	315.696152	0.02657582
478 Cruzado.phy.	352.326863	332.233463	328.019391	0.02581707
479 Cruzado.phy.	344.354317	322.363427	321.243349	0.02571502
480 Cruzado.phy.	350.517179	328.118597	323.997857	0.02889121
481 Cruzado.phy.	361.478482	335.02944	330.45537	0.02804228
482 Cruzado.phy.	355.266879	334.649394	331.926095	0.02188783
483 Cruzado.phy.	345.163039	323.465334	320.886195	0.02626122
484 Cruzado.phy.	341.359348	318.515841	315.875024	0.02987177
485 Cruzado.phy.	341.130789	321.748223	320.285911	0.0236554
486 Cruzado.phy.	345.728116	322.772428	323.611948	0.02430447
487 Cruzado.phy.	341.249612	321.572614	318.304432	0.02962945
488 Cruzado.phy.	347.636654	326.351155	322.69981	0.02662694
489 Cruzado.phy.	339.083813	321.890311	318.749752	0.02808111
490 Cruzado.phy.	338.022311	321.075645	318.858347	0.02640398
491 Cruzado.phy.	351.546289	328.374422	326.000457	0.02656905
492 Cruzado.phy.	341.477204	321.682119	320.331923	0.0266339
493 Cruzado.phy.	342.60188	322.650958	319.279192	0.02663903
494 Cruzado.phy.	356.573679	332.484491	329.749757	0.0282101
495 Cruzado.phy.	333.181903	315.800102	315.922348	0.02423087
496 Cruzado.phy.	337.095476	319.61602	318.414715	0.02595128
497 Cruzado.phy.	357.102613	330.518317	324.873158	0.03180906
498 Cruzado.phy.	342.885002	321.736188	320.532512	0.02737035
499 Cruzado.phy.	332.509786	316.081315	313.172311	0.0283777
500 Cruzado.phy.	340.978944	320.112922	317.383356	0.0290802
501 GonzalezRig.	441.339578	436.050317	431.808743	0.00959416
502 GonzalezRig.	444.926393	442.659795	438.146704	0.0112396
503 GonzalezRig.	431.614823	424.955406	423.576927	0.00772586
504 GonzalezRig.	439.779147	435.051093	430.593851	0.0099995
505 GonzalezRig.	443.520274	439.896921	435.101425	0.01085192
506 GonzalezRig.	443.866307	440.928041	436.078204	0.00978459
507 GonzalezRig.	446.594324	444.887866	439.97498	0.01059145
508 GonzalezRig.	441.447468	439.676179	434.318548	0.00942865
509 GonzalezRig.	443.014105	439.85254	434.376501	0.01060463
510 GonzalezRig.	431.742745	427.393692	425.202911	0.00800082
511 GonzalezRig.	440.254531	435.758924	432.1331	0.00958762
512 GonzalezRig.	444.066627	440.669093	437.45909	0.01096782
513 GonzalezRig.	440.476102	438.916876	432.621003	0.0099235
514 GonzalezRig.	435.776449	432.747334	429.846721	0.00842506
515 GonzalezRig.	443.505973	440.00983	436.780291	0.01076521

516	GonzalezRig,	444.026965	441.606644	436.53446	0.01116829
517	GonzalezRig,	444.961789	444.590124	439.471734	0.01046493
518	GonzalezRig,	441.593185	438.716456	433.389037	0.00915041
519	GonzalezRig,	446.001685	444.415513	441.463282	0.01019246
520	GonzalezRig,	442.80367	440.261742	437.560408	0.00997337
521	GonzalezRig,	445.454071	443.352248	437.714535	0.01109527
522	GonzalezRig,	441.977393	437.21616	432.147222	0.01019097
523	GonzalezRig,	441.349487	437.90369	433.12359	0.01044665
524	GonzalezRig,	444.333864	441.555165	435.318959	0.01084209
525	GonzalezRig,	442.815484	440.239935	435.418529	0.00899385
526	GonzalezRig,	441.307546	436.331783	432.553591	0.00991454
527	GonzalezRig,	431.908976	426.893811	424.799866	0.00817099
528	GonzalezRig,	444.763536	441.356138	437.439717	0.01077451
529	GonzalezRig,	442.89202	441.978142	436.193726	0.01028649
530	GonzalezRig,	441.586696	438.319286	433.502468	0.00974019
531	GonzalezRig,	444.905385	442.144719	437.750485	0.0107311
532	GonzalezRig,	435.377696	428.200482	426.289042	0.00901704
533	GonzalezRig,	441.997698	437.757379	434.39566	0.01032679
534	GonzalezRig,	442.680059	439.598761	434.823094	0.00930742
535	GonzalezRig,	440.508339	436.16517	431.59355	0.0098432
536	GonzalezRig,	441.611696	438.111651	434.092253	0.00999846
537	GonzalezRig,	443.912181	439.815671	435.434142	0.00953615
538	GonzalezRig,	441.727151	439.539195	434.572128	0.00923971
539	GonzalezRig,	445.177369	445.577967	440.383614	0.01016924
540	GonzalezRig,	443.121795	440.813638	434.801903	0.01082181
541	GonzalezRig,	443.289176	442.605037	438.010966	0.00886647
542	GonzalezRig,	437.104903	429.238902	426.432525	0.00920119
543	GonzalezRig,	446.001355	444.963949	440.512277	0.00944502
544	GonzalezRig,	440.975786	437.700378	433.039181	0.00930843
545	GonzalezRig,	443.358072	439.840134	435.174972	0.00978794
546	GonzalezRig,	441.22654	436.67632	433.124685	0.01029731
547	GonzalezRig,	440.709652	438.319978	434.331364	0.00915602
548	GonzalezRig,	444.224166	441.850798	437.362813	0.00989898
549	GonzalezRig,	444.089476	442.009019	437.219609	0.00983661
550	GonzalezRig,	445.71402	444.980962	440.353149	0.00931324
551	GonzalezRig,	443.168707	439.631173	434.637102	0.00985634
552	GonzalezRig,	442.345408	435.519676	433.20106	0.01156681
553	GonzalezRig,	446.929953	444.585093	441.260683	0.01035119
554	GonzalezRig,	442.64639	440.974557	436.716214	0.00976251
555	GonzalezRig,	440.163795	438.585835	434.554046	0.00870707
556	GonzalezRig,	443.286682	440.539727	435.375363	0.01003358
557	GonzalezRig,	441.33044	439.326253	434.039896	0.0098205
558	GonzalezRig,	441.637284	439.108877	434.110066	0.00900456

559	GonzalezRig,	443.862366	438.224776	435.815531	0.01186132
560	GonzalezRig,	441.521624	438.618652	433.69489	0.00882025
561	GonzalezRig,	437.072768	431.36481	427.082858	0.01016142
562	GonzalezRig,	443.590813	439.452541	436.615362	0.00945488
563	GonzalezRig,	443.908164	440.259586	436.444204	0.01012783
564	GonzalezRig,	432.581099	428.383657	426.182923	0.00932547
565	GonzalezRig,	446.766461	446.94111	440.296628	0.01038532
566	GonzalezRig,	444.047159	441.410989	438.120198	0.01002631
567	GonzalezRig,	440.145296	435.655722	431.502816	0.01019558
568	GonzalezRig,	444.820378	443.841262	438.868718	0.00923816
569	GonzalezRig,	443.955969	442.621668	437.309004	0.0093212
570	GonzalezRig,	444.395103	441.691944	436.860458	0.01029137
571	GonzalezRig,	440.245933	436.312966	430.957166	0.00955792
572	GonzalezRig,	445.652335	445.494264	440.637081	0.01017657
573	GonzalezRig,	441.641054	439.050479	433.801779	0.00900645
574	GonzalezRig,	436.863349	434.10656	430.420888	0.00924123
575	GonzalezRig,	445.020755	443.147764	439.640103	0.0099959
576	GonzalezRig,	444.146674	442.788335	437.987012	0.01063287
577	GonzalezRig,	443.960434	442.39179	437.030604	0.01027853
578	GonzalezRig,	443.206142	441.63649	436.362389	0.00983507
579	GonzalezRig,	441.145801	438.035835	434.282816	0.01003192
580	GonzalezRig,	443.551411	441.448953	435.935198	0.01143021
581	GonzalezRig,	437.558307	430.011394	426.819202	0.01027334
582	GonzalezRig,	440.595615	439.321467	433.884738	0.0092875
583	GonzalezRig,	441.434835	439.109258	434.117007	0.00867974
584	GonzalezRig,	443.000143	440.469015	436.297562	0.00990592
585	GonzalezRig,	440.456742	434.491803	430.067876	0.00976452
586	GonzalezRig,	439.687294	437.392796	431.390851	0.00940858
587	GonzalezRig,	442.911503	439.596225	436.32388	0.00919519
588	GonzalezRig,	443.107353	440.068842	436.839929	0.00985961
589	GonzalezRig,	441.765144	440.976156	434.630395	0.00877057
590	GonzalezRig,	436.352383	430.830995	428.197704	0.00878831
591	GonzalezRig,	437.427918	430.042984	427.835629	0.0092996
592	GonzalezRig,	446.06879	444.868413	439.501043	0.01066674
593	GonzalezRig,	442.296333	439.390858	434.98006	0.00916961
594	GonzalezRig,	431.007743	426.064576	423.834641	0.00846026
595	GonzalezRig,	443.898493	441.429155	436.155918	0.01117733
596	GonzalezRig,	439.883081	435.081395	431.80216	0.00948206
597	GonzalezRig,	434.265493	429.807276	426.234992	0.0084968
598	GonzalezRig,	443.54506	440.884479	436.010162	0.0088992
599	GonzalezRig,	443.832334	440.566361	437.304588	0.01147853
600	GonzalezRig,	441.452759	436.393574	433.190992	0.00917866
601	Mallon.phy.n	144.630298	136.689703	138.166856	0.06234747

602 Mallon.phy.n	147.041708	137.981629	141.441938	0.05606206
603 Mallon.phy.n	146.556276	140.697165	141.605407	0.06118656
604 Mallon.phy.n	148.278905	139.258419	141.222362	0.06902137
605 Mallon.phy.n	144.484701	135.665235	138.06349	0.06183778
606 Mallon.phy.n	145.658292	138.41635	139.01121	0.05576096
607 Mallon.phy.n	145.027864	137.938593	138.498052	0.0560041
608 Mallon.phy.n	146.075259	138.76688	139.623429	0.05823609
609 Mallon.phy.n	144.09672	135.84569	137.865762	0.06083653
610 Mallon.phy.n	144.348183	136.590883	137.437883	0.0565488
611 Mallon.phy.n	144.504758	138.420038	139.20132	0.05802019
612 Mallon.phy.n	144.631378	137.126286	139.033827	0.06172958
613 Mallon.phy.n	143.803013	137.380843	138.723039	0.05636255
614 Mallon.phy.n	146.44604	138.766424	140.425444	0.05931574
615 Mallon.phy.n	140.204845	135.479571	134.312788	0.06630312
616 Mallon.phy.n	147.014965	139.140655	139.903035	0.05483889
617 Mallon.phy.n	147.53291	139.187551	141.599918	0.05914107
618 Mallon.phy.n	144.913848	138.000969	139.574308	0.05522812
619 Mallon.phy.n	146.637021	139.007686	139.456994	0.05986046
620 Mallon.phy.n	145.47786	138.31351	139.879738	0.05400722
621 Mallon.phy.n	145.157753	137.517148	138.746921	0.051336
622 Mallon.phy.n	144.296934	138.93785	138.322495	0.06304577
623 Mallon.phy.n	141.935858	136.2133	135.338433	0.0617439
624 Mallon.phy.n	142.278419	136.509491	135.74487	0.06128861
625 Mallon.phy.n	145.518303	138.666004	139.220648	0.05937434
626 Mallon.phy.n	146.084336	139.064023	140.117975	0.05757368
627 Mallon.phy.n	145.233789	138.843644	139.770958	0.05393136
628 Mallon.phy.n	147.578715	138.398979	140.00217	0.06494599
629 Mallon.phy.n	141.73885	135.852386	135.316617	0.06335731
630 Mallon.phy.n	145.820087	137.486774	140.297065	0.05316318
631 Mallon.phy.n	145.874484	137.467196	137.878957	0.07658277
632 Mallon.phy.n	147.025596	138.73525	139.100159	0.060932
633 Mallon.phy.n	145.644088	140.255724	140.141314	0.07164659
634 Mallon.phy.n	144.802754	138.374586	138.754793	0.0600199
635 Mallon.phy.n	146.597998	137.084934	139.549828	0.05812975
636 Mallon.phy.n	141.419549	136.179279	134.967839	0.06272924
637 Mallon.phy.n	146.596292	139.64141	140.446388	0.05337186
638 Mallon.phy.n	147.316654	137.518839	139.804763	0.05947503
639 Mallon.phy.n	143.392366	136.956251	134.348149	0.06753192
640 Mallon.phy.n	145.732576	137.552434	139.486864	0.05372551
641 Mallon.phy.n	144.929567	138.577351	138.635949	0.06285415
642 Mallon.phy.n	144.498588	136.202171	137.567757	0.05458956
643 Mallon.phy.n	143.054526	136.419068	136.880527	0.05460257
644 Mallon.phy.n	149.130155	139.599429	143.157475	0.05157057

645 Mallon.phy.n	147.263531	139.153438	141.166838	0.05436122
646 Mallon.phy.n	144.071235	136.657257	137.35228	0.05662211
647 Mallon.phy.n	142.995749	137.400617	137.250708	0.06056176
648 Mallon.phy.n	140.268483	135.132562	132.764852	0.06471311
649 Mallon.phy.n	147.383383	140.391896	142.088222	0.05170698
650 Mallon.phy.n	144.792677	137.717244	139.445816	0.05364152
651 Mallon.phy.n	146.578437	138.519601	140.049809	0.06452549
652 Mallon.phy.n	147.968654	140.059179	142.126142	0.05671075
653 Mallon.phy.n	143.856947	136.39471	136.947272	0.05639839
654 Mallon.phy.n	144.81219	137.013551	138.641658	0.05888449
655 Mallon.phy.n	144.316434	137.138301	137.464141	0.06477209
656 Mallon.phy.n	145.01019	136.09298	138.418965	0.05945522
657 Mallon.phy.n	148.638261	139.040765	142.635628	0.06173274
658 Mallon.phy.n	144.915147	137.206408	137.722077	0.05922357
659 Mallon.phy.n	145.096834	138.173156	138.942146	0.06744003
660 Mallon.phy.n	146.215366	138.521547	140.787604	0.04945116
661 Mallon.phy.n	145.852587	137.849693	139.277986	0.05668602
662 Mallon.phy.n	145.440797	137.299036	138.360569	0.05998903
663 Mallon.phy.n	143.787408	136.667305	137.89789	0.05519907
664 Mallon.phy.n	146.952702	139.713817	141.081654	0.06112292
665 Mallon.phy.n	143.05001	136.283899	137.848702	0.05276294
666 Mallon.phy.n	142.437954	136.496721	136.379351	0.05685376
667 Mallon.phy.n	142.18354	137.201663	135.474275	0.05901401
668 Mallon.phy.n	145.760449	138.194265	139.439811	0.0531739
669 Mallon.phy.n	145.358342	137.37473	139.122159	0.05426854
670 Mallon.phy.n	143.04643	137.347206	136.643929	0.06414983
671 Mallon.phy.n	147.043432	138.329925	138.211675	0.05900485
672 Mallon.phy.n	146.443234	139.162403	138.909553	0.05862778
673 Mallon.phy.n	140.773987	136.271497	134.441208	0.06660716
674 Mallon.phy.n	144.770863	139.089525	138.864026	0.05607973
675 Mallon.phy.n	145.586155	138.007956	138.356073	0.05679177
676 Mallon.phy.n	147.592438	138.26887	141.424492	0.0526578
677 Mallon.phy.n	145.10012	137.618866	138.480423	0.05928113
678 Mallon.phy.n	140.466898	134.869022	134.873848	0.05787362
679 Mallon.phy.n	144.665549	137.191431	137.314725	0.06140915
680 Mallon.phy.n	146.868728	139.400275	142.22067	0.05320429
681 Mallon.phy.n	141.394541	136.2605	135.211217	0.0616125
682 Mallon.phy.n	143.120655	135.875467	136.697802	0.05868508
683 Mallon.phy.n	144.431511	137.145767	137.715048	0.05729169
684 Mallon.phy.n	145.672088	139.737233	139.457108	0.06347215
685 Mallon.phy.n	145.123355	136.863253	139.838192	0.0497544
686 Mallon.phy.n	148.187038	139.59162	139.399187	0.06122977
687 Mallon.phy.n	142.006439	135.781531	135.580722	0.06152565

688 Mallon.phy.n	142.164101	138.031092	136.403899	0.06549453
689 Mallon.phy.n	145.195368	137.814334	138.019765	0.06077167
690 Mallon.phy.n	144.060565	137.330007	137.805688	0.06630589
691 Mallon.phy.n	144.027128	137.473965	137.675091	0.05769188
692 Mallon.phy.n	142.350614	136.590444	135.365361	0.05652231
693 Mallon.phy.n	142.467917	137.171763	136.673223	0.05831193
694 Mallon.phy.n	145.420755	137.846585	139.856753	0.0536934
695 Mallon.phy.n	142.858974	137.422769	136.801623	0.06704832
696 Mallon.phy.n	146.760877	139.876273	140.9864	0.05722221
697 Mallon.phy.n	143.522165	137.883491	138.080748	0.06041146
698 Mallon.phy.n	143.045251	136.168361	136.362184	0.05687555
699 Mallon.phy.n	146.298933	137.822594	140.003459	0.05794386
700 Mallon.phy.n	140.11588	135.289773	134.163066	0.05955176
701 Raven.phy.n	119.088704	112.198455	114.758812	0.0126415
702 Raven.phy.n	118.985993	112.823143	114.538909	0.01331347
703 Raven.phy.n	118.803153	112.176396	114.308823	0.01367734
704 Raven.phy.n	119.357181	112.312737	114.691274	0.0125423
705 Raven.phy.n	119.440886	113.23013	115.159399	0.01195221
706 Raven.phy.n	118.251992	112.661885	114.54243	0.01168912
707 Raven.phy.n	119.275905	114.013018	115.092461	0.01198339
708 Raven.phy.n	119.39546	112.760496	114.761006	0.01308245
709 Raven.phy.n	119.30681	112.91434	114.498423	0.01328428
710 Raven.phy.n	118.849981	112.094044	114.341349	0.01301077
711 Raven.phy.n	119.721454	113.093252	115.077615	0.01229516
712 Raven.phy.n	118.355644	113.033862	114.775135	0.01263175
713 Raven.phy.n	119.151694	112.708094	114.623056	0.01315368
714 Raven.phy.n	119.66353	113.477917	115.327929	0.01312168
715 Raven.phy.n	119.212879	113.162395	114.648324	0.01343001
716 Raven.phy.n	119.485183	112.424955	114.569545	0.01348223
717 Raven.phy.n	119.186563	113.906522	115.004397	0.01194218
718 Raven.phy.n	119.307019	113.643039	114.71321	0.01327983
719 Raven.phy.n	119.126596	112.820021	115.039619	0.01236433
720 Raven.phy.n	118.863759	112.831229	114.632121	0.01321519
721 Raven.phy.n	119.130107	112.312341	114.496271	0.01304652
722 Raven.phy.n	119.609118	113.780155	115.319048	0.01228081
723 Raven.phy.n	118.779065	112.840963	114.804904	0.01275945
724 Raven.phy.n	118.109338	112.567849	114.054037	0.01302994
725 Raven.phy.n	118.94126	112.449886	114.600084	0.01322343
726 Raven.phy.n	118.49613	112.48532	114.324556	0.0134981
727 Raven.phy.n	118.22326	111.626086	113.836941	0.01406637
728 Raven.phy.n	119.699155	113.327094	115.15348	0.0133374
729 Raven.phy.n	119.677393	113.54828	115.368169	0.01161239
730 Raven.phy.n	118.608217	113.096636	114.50955	0.01305823

731	Raven.phy.n	119.235033	113.833449	115.226889	0.01184276
732	Raven.phy.n	119.141371	112.737107	114.757312	0.01180114
733	Raven.phy.n	119.100329	113.034373	114.6805	0.01244551
734	Raven.phy.n	119.421746	113.381509	115.387916	0.01146206
735	Raven.phy.n	118.344556	112.536253	114.557155	0.01244675
736	Raven.phy.n	119.083702	113.01829	114.600162	0.01310816
737	Raven.phy.n	118.48	113.979541	114.850842	0.0123607
738	Raven.phy.n	118.848263	113.143952	114.673914	0.01217905
739	Raven.phy.n	120.170054	113.230921	115.450441	0.01244245
740	Raven.phy.n	119.148894	113.313651	114.9235	0.0123228
741	Raven.phy.n	119.605104	112.99099	115.556059	0.01297757
742	Raven.phy.n	119.284122	112.430923	114.686023	0.01301243
743	Raven.phy.n	118.502804	112.637213	114.489303	0.01261131
744	Raven.phy.n	119.121048	113.946564	114.627896	0.01284804
745	Raven.phy.n	118.758041	113.096598	114.665371	0.01217481
746	Raven.phy.n	119.53818	113.16177	114.924234	0.01308517
747	Raven.phy.n	119.438037	113.551001	115.015359	0.01262267
748	Raven.phy.n	119.546382	112.699845	114.921779	0.01269101
749	Raven.phy.n	119.072553	112.402434	114.831316	0.01316403
750	Raven.phy.n	119.568635	113.160275	115.123952	0.01335549
751	Raven.phy.n	118.823478	113.02679	114.516328	0.01344831
752	Raven.phy.n	119.440358	113.115596	115.227838	0.012474
753	Raven.phy.n	119.760873	113.065744	114.926209	0.01314324
754	Raven.phy.n	118.302907	112.836328	114.468384	0.01276728
755	Raven.phy.n	119.495623	113.475544	115.174075	0.01235905
756	Raven.phy.n	119.915809	114.536656	115.806682	0.01192189
757	Raven.phy.n	119.239915	113.400734	114.779759	0.01346031
758	Raven.phy.n	119.117624	113.116231	114.81271	0.01354941
759	Raven.phy.n	119.222283	112.418745	114.711777	0.01366209
760	Raven.phy.n	119.589836	113.796773	115.1181	0.01185576
761	Raven.phy.n	118.849558	111.924047	114.032776	0.01256581
762	Raven.phy.n	119.273486	112.669415	114.663618	0.01229432
763	Raven.phy.n	119.325935	113.395333	115.234292	0.01198649
764	Raven.phy.n	118.177518	112.154182	114.197193	0.01214155
765	Raven.phy.n	118.799129	112.379095	114.51175	0.01350014
766	Raven.phy.n	119.261995	113.248119	115.323295	0.01242842
767	Raven.phy.n	118.317045	112.010576	114.163545	0.0136961
768	Raven.phy.n	118.283933	112.844605	114.293194	0.01237537
769	Raven.phy.n	119.556387	113.50904	115.2217	0.0130258
770	Raven.phy.n	119.520501	114.408734	115.704533	0.01193832
771	Raven.phy.n	120.017264	113.533317	115.183821	0.01325506
772	Raven.phy.n	119.887904	113.715686	115.182333	0.01195302
773	Raven.phy.n	119.126732	112.548129	114.936341	0.01342226

774 Raven.phy.n	118.470296	113.148012	114.777678	0.01205446
775 Raven.phy.n	118.74816	113.061413	114.882709	0.01236537
776 Raven.phy.n	120.001652	113.373175	115.601684	0.01220802
777 Raven.phy.n	119.42726	113.219897	114.866057	0.01334984
778 Raven.phy.n	118.087978	112.281891	114.009855	0.01256891
779 Raven.phy.n	118.95157	113.684537	115.349578	0.01220927
780 Raven.phy.n	117.954988	111.781736	113.92831	0.0126617
781 Raven.phy.n	119.572143	112.788321	115.273371	0.01232882
782 Raven.phy.n	117.969616	112.380752	113.993373	0.01253324
783 Raven.phy.n	118.830389	112.546888	114.404963	0.01256987
784 Raven.phy.n	118.791038	112.845875	114.850942	0.01194527
785 Raven.phy.n	119.080562	113.50088	114.921467	0.01222186
786 Raven.phy.n	118.863918	113.275683	114.943111	0.01245864
787 Raven.phy.n	118.918144	113.80736	115.130379	0.01281012
788 Raven.phy.n	119.622234	113.877892	115.539358	0.01177721
789 Raven.phy.n	118.728101	112.95121	114.489314	0.01328045
790 Raven.phy.n	119.06918	112.624372	114.814649	0.01215138
791 Raven.phy.n	119.413714	112.814179	115.196058	0.01194081
792 Raven.phy.n	119.063171	112.991665	114.510051	0.01325348
793 Raven.phy.n	119.029781	112.918281	115.028649	0.01271209
794 Raven.phy.n	120.00334	113.820502	115.876999	0.0116952
795 Raven.phy.n	118.779015	112.594683	114.881224	0.01210064
796 Raven.phy.n	118.753621	113.649803	114.773947	0.01265712
797 Raven.phy.n	118.748815	112.585861	114.686291	0.01291882
798 Raven.phy.n	118.660592	112.540502	114.580247	0.01314151
799 Raven.phy.n	119.326636	114.124517	115.13791	0.01224848
800 Raven.phy.n	118.658384	112.321292	114.30137	0.01409144
801 Thompson.pf	271.023178	242.839523	248.147037	0.01058131
802 Thompson.pf	271.474392	242.105056	249.180062	0.00989687
803 Thompson.pf	270.187922	243.228037	248.973793	0.00994963
804 Thompson.pf	270.766966	242.324608	247.241344	0.0107109
805 Thompson.pf	271.635767	243.235305	249.218053	0.01034619
806 Thompson.pf	270.532396	240.765994	247.118235	0.01020072
807 Thompson.pf	271.842009	243.991019	248.625279	0.01061742
808 Thompson.pf	269.694345	241.659079	247.858927	0.01018077
809 Thompson.pf	270.099923	240.900876	247.28157	0.01037388
810 Thompson.pf	274.206804	248.445001	253.5826	0.01023912
811 Thompson.pf	268.575451	243.655108	248.472981	0.00980054
812 Thompson.pf	270.473204	244.814287	247.933757	0.01094272
813 Thompson.pf	272.015185	248.24516	251.592443	0.01053123
814 Thompson.pf	269.511935	243.759432	248.915073	0.01000643
815 Thompson.pf	271.513268	243.60935	249.906849	0.01023927
816 Thompson.pf	272.567515	244.959747	251.552042	0.00992785

817 Thompson.pl	271.135892	242.04758	247.67302	0.0101353
818 Thompson.pl	269.854345	240.767091	247.848886	0.01071922
819 Thompson.pl	271.684799	244.760421	249.859141	0.01081813
820 Thompson.pl	273.041601	247.108549	254.979147	0.00987076
821 Thompson.pl	269.010736	242.004501	250.507138	0.00965746
822 Thompson.pl	266.030466	240.391783	245.22958	0.01008223
823 Thompson.pl	266.963895	240.994964	247.362007	0.00996463
824 Thompson.pl	271.315843	246.399005	252.334332	0.00976663
825 Thompson.pl	271.634558	244.197162	251.449083	0.00989152
826 Thompson.pl	269.460388	240.574837	247.636526	0.01020085
827 Thompson.pl	270.900166	243.25492	249.611492	0.01029939
828 Thompson.pl	269.239502	242.138591	249.38196	0.00985668
829 Thompson.pl	272.082395	240.880534	246.663105	0.01122714
830 Thompson.pl	270.174782	240.309655	246.098004	0.01094828
831 Thompson.pl	270.445911	240.521047	245.781	0.01071433
832 Thompson.pl	269.567084	239.730628	246.306354	0.01029662
833 Thompson.pl	271.064194	244.44288	248.913997	0.01024599
834 Thompson.pl	271.137515	242.794906	248.451057	0.01035426
835 Thompson.pl	271.486092	243.968785	250.24107	0.0100357
836 Thompson.pl	272.327914	242.788078	249.739608	0.01040093
837 Thompson.pl	268.624862	241.899766	246.288407	0.01008145
838 Thompson.pl	270.95869	241.046568	248.314212	0.01029531
839 Thompson.pl	268.25561	243.721428	247.819736	0.00987883
840 Thompson.pl	271.072005	243.236926	248.480393	0.01032339
841 Thompson.pl	269.514408	244.185053	247.657162	0.01054067
842 Thompson.pl	270.79505	240.238894	246.683992	0.0108603
843 Thompson.pl	270.766897	242.599346	250.437269	0.00995654
844 Thompson.pl	273.980074	245.509923	252.318258	0.00994541
845 Thompson.pl	270.881842	241.15379	249.194437	0.0094385
846 Thompson.pl	267.765872	242.351625	247.082046	0.00933765
847 Thompson.pl	270.905539	242.126962	247.876692	0.01037699
848 Thompson.pl	269.67986	240.70764	246.524351	0.01044272
849 Thompson.pl	270.103133	242.174114	246.730013	0.01034394
850 Thompson.pl	271.120416	242.967276	248.014846	0.0103408
851 Thompson.pl	269.95892	239.992608	246.34075	0.01116911
852 Thompson.pl	272.239928	243.306095	248.963198	0.0103018
853 Thompson.pl	270.667488	242.107454	248.135903	0.01014037
854 Thompson.pl	271.327299	244.26713	249.670726	0.00990111
855 Thompson.pl	265.658995	239.524789	247.342024	0.01006953
856 Thompson.pl	271.379502	242.941229	247.270215	0.01091122
857 Thompson.pl	273.186365	245.016805	252.672512	0.01009106
858 Thompson.pl	271.660923	242.971077	247.749337	0.01145348
859 Thompson.pl	274.320048	249.208755	253.407798	0.01037388

860 Thompson.pl	269.524308	239.132646	247.921278	0.00990911
861 Thompson.pl	271.726555	245.330234	249.995377	0.01045652
862 Thompson.pl	271.033461	243.738625	248.137664	0.01085683
863 Thompson.pl	272.255623	245.479403	250.333015	0.01041156
864 Thompson.pl	269.168968	238.766263	246.67784	0.01027291
865 Thompson.pl	269.406793	241.664873	246.998291	0.01067247
866 Thompson.pl	272.500458	243.151553	249.172889	0.01007149
867 Thompson.pl	273.532879	245.436104	251.356482	0.01045615
868 Thompson.pl	270.156711	240.473404	248.699466	0.01013678
869 Thompson.pl	269.29653	241.123362	247.599181	0.01001761
870 Thompson.pl	272.370864	244.321723	249.588545	0.01040642
871 Thompson.pl	271.476439	242.229217	246.311376	0.01082375
872 Thompson.pl	272.228959	248.064493	254.832803	0.00980707
873 Thompson.pl	269.178929	242.493582	249.976757	0.00979105
874 Thompson.pl	267.28702	242.725062	248.079166	0.0094055
875 Thompson.pl	271.433619	242.55062	249.960491	0.01024823
876 Thompson.pl	269.776075	243.345422	246.71593	0.01075414
877 Thompson.pl	270.97182	242.365664	249.721682	0.00981578
878 Thompson.pl	271.383854	242.911395	247.501143	0.01060867
879 Thompson.pl	268.266329	240.827246	246.939987	0.00991187
880 Thompson.pl	270.870529	241.645885	248.476882	0.01100857
881 Thompson.pl	265.973875	241.653163	246.497487	0.00976076
882 Thompson.pl	270.19821	242.644343	250.080109	0.01026569
883 Thompson.pl	267.937972	240.562035	247.645334	0.00986704
884 Thompson.pl	270.331308	243.562091	247.870668	0.01016523
885 Thompson.pl	271.310838	242.501554	249.086894	0.01067278
886 Thompson.pl	269.619877	242.874375	248.218146	0.0101618
887 Thompson.pl	270.027686	242.416178	248.995385	0.00998877
888 Thompson.pl	272.107104	243.413329	250.888309	0.00987348
889 Thompson.pl	269.404589	242.546199	247.338179	0.01075173
890 Thompson.pl	265.548105	239.536132	245.871011	0.00999564
891 Thompson.pl	270.173317	243.148844	249.292638	0.01025982
892 Thompson.pl	271.807899	244.434676	251.742822	0.00990525
893 Thompson.pl	269.898175	241.783319	247.562385	0.01038826
894 Thompson.pl	272.013275	245.743122	250.345038	0.01065939
895 Thompson.pl	273.335077	244.159379	251.735287	0.01019999
896 Thompson.pl	273.875143	245.622526	252.793594	0.0104929
897 Thompson.pl	266.312145	239.6851	245.249999	0.00960699
898 Thompson.pl	270.952312	242.80099	249.221486	0.01023268
899 Thompson.pl	273.889155	246.408429	251.580581	0.0101129
900 Thompson.pl	265.76566	239.717362	245.810912	0.00941499
901 benson1_FA	3732.01001	3627.13343	3630.62561	0.0064097
902 benson1_LAI	3747.8179	3667.79898	3660.84898	0.00588005

903	benson1_mic	3802.44533	3754.19186	3730.34872	0.00556495
904	benson2_FAI	3699.87612	3586.2896	3591.98637	0.00640993
905	benson2_LAI	3716.75967	3623.01938	3622.89231	0.00608806
906	benson2_mic	3770.00542	3708.71197	3690.10405	0.00562509
907	lloyd_FAD.txt	2588.68767	2556.2092	2543.21955	0.00603283
908	lloyd_LAD.txt	2572.42445	2548.20429	2535.05316	0.00555994
909	lloyd_midpoir	2620.43121	2619.74572	2594.07964	0.00520083

null_lower9	null_upper9	null_ess	null_pMCMC	slow_post_	slow_post_
0.00852891	0.02051894	450	0.00222222	0.04495366	-1.87E-04
0.00809542	0.01985197	533.038548	0.00222222	0.0438606	-1.79E-04
0.0073196	0.01844206	450	0.00222222	0.04432418	-1.86E-04
0.00779984	0.01944402	450	0.00222222	0.04253303	-1.68E-04
0.00658671	0.0191008	360.20694	0.00222222	0.04118507	-1.59E-04
0.00739326	0.01929071	450	0.00222222	0.04483821	-1.87E-04
0.00866456	0.01933301	390.550767	0.00222222	0.04241508	-1.67E-04
0.00814478	0.01942209	450	0.00222222	0.04248394	-1.66E-04
0.00772367	0.01882965	704.004996	0.00222222	0.04152307	-1.60E-04
0.00853583	0.02079855	450	0.00222222	0.04249029	-1.69E-04
0.00688013	0.01843444	450	0.00222222	0.04307967	-1.75E-04
0.00774736	0.01951765	450	0.00444444	0.04324315	-1.75E-04
0.00769764	0.01979301	450	0.00222222	0.04178974	-1.64E-04
0.00663533	0.01814418	450	0.00222222	0.04240392	-1.69E-04
0.00841289	0.01959821	361.459202	0.00222222	0.04305135	-1.74E-04
0.00901077	0.01909066	450	0.00222222	0.041842	-1.62E-04
0.00865304	0.01975319	450	0.00222222	0.04205116	-1.67E-04
0.0082237	0.01967895	450	0.00222222	0.04438495	-1.83E-04
0.00861049	0.01990596	450	0.00222222	0.04272463	-1.72E-04
0.00749011	0.01891967	450	0.00222222	0.04337059	-1.77E-04
0.00863279	0.01974276	450	0.00222222	0.04148369	-1.61E-04
0.00689891	0.01873522	450	0.00222222	0.04447438	-1.87E-04
0.00815446	0.0199063	450	0.00222222	0.04391958	-1.79E-04
0.00786359	0.01948757	450	0.00222222	0.04465985	-1.87E-04
0.00754956	0.01906594	450	0.00222222	0.04427027	-1.83E-04
0.00877138	0.01943676	450	0.00222222	0.04296506	-1.71E-04
0.00807591	0.01901101	450	0.00222222	0.04496974	-1.87E-04
0.00811532	0.01924931	450	0.00222222	0.04329312	-1.76E-04
0.00633991	0.01766111	450	0.00222222	0.04284657	-1.71E-04
0.00844236	0.02003452	450	0.00222222	0.0435872	-1.76E-04
0.0082687	0.01912344	436.455374	0.00222222	0.04325103	-1.73E-04
0.00766497	0.0181981	450	0.00222222	0.04378348	-1.80E-04
0.00791946	0.01939972	385.350127	0.00222222	0.04275011	-1.70E-04
0.00795404	0.01901285	450	0.00222222	0.04342649	-1.76E-04
0.00764919	0.0189172	389.135195	0.00222222	0.04318496	-1.73E-04
0.00763843	0.01887168	450	0.00222222	0.0439697	-1.80E-04
0.00662115	0.0177198	450	0.00222222	0.0452576	-1.94E-04
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0.00670497	0.01769545	450	0.00222222	0.04314548	-1.75E-04
0.00767993	0.01891682	450	0.00222222	0.04463719	-1.86E-04
0.00906439	0.02013812	450	0.00222222	0.04125148	-1.58E-04

0.00836696	0.0195449	450	0.00222222	0.04525457	-1.90E-04
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0.00961961	0.02025582	450	0.00222222	0.04201898	-1.64E-04
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0.0087699	0.01957265	450	0.00222222	0.04266303	-1.70E-04
0.00797689	0.02013094	450	0.00222222	0.04533056	-1.90E-04
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0.00764389	0.01862852	450	0.00222222	0.04326691	-1.75E-04
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-5.51E-05	0.0073109	450	0.04444444	0.05173778	-2.30E-04
6.93E-04	0.00780289	369.375136	0.01777778	0.0503599	-2.18E-04
4.26E-04	0.00714896	450	0.02666667	0.04929	-2.10E-04
4.98E-04	0.00816401	450	0.05777778	0.05333448	-2.44E-04
-1.65E-04	0.00698287	450	0.06222222	0.05377852	-2.48E-04
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3.72E-04	0.00760375	450	0.03111111	0.05103436	-2.24E-04
7.57E-04	0.00854962	450	0.02666667	0.0530671	-2.41E-04
0.00110955	0.0084378	450	0.01777778	0.05166356	-2.30E-04
8.35E-04	0.00792212	450	0.01777778	0.04948274	-2.11E-04
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6.88E-04	0.00798134	544.784301	0.00888889	0.04980136	-2.14E-04
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9.50E-04	0.00788281	450	0.03111111	0.05154321	-2.28E-04
7.08E-04	0.00763664	450	0.02666667	0.05315433	-2.42E-04
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2.32E-04	0.00760646	450	0.05333333	0.05253568	-2.37E-04
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9.74E-04	0.00869775	450	0.02222222	0.05459451	-2.55E-04
0.00149636	0.00793361	450	0.00444444	0.05149581	-2.28E-04

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4.23E-04	0.00781038	450	0.00888889	0.05279297	-2.39E-04
0.00203365	0.00902774	450	0.00222222	0.04751353	-1.96E-04
7.61E-04	0.00799225	450	0.00444444	0.04936704	-2.10E-04
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0.00182699	0.00894757	450	0.00222222	0.04939082	-2.10E-04
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2.41E-04	0.00730526	450	0.01777778	0.05317399	-2.42E-04
0.00160914	0.00925856	352.296221	0.02222222	0.05006111	-2.16E-04
0.00110352	0.00845585	450	0.00888889	0.0512291	-2.25E-04
0.00119856	0.00835966	450	0.01777778	0.05295504	-2.41E-04
-1.33E-04	0.00684852	388.574951	0.04444444	0.05223802	-2.34E-04
6.80E-04	0.00808609	549.662775	0.01777778	0.05240441	-2.35E-04
7.34E-04	0.00819847	450	0.00222222	0.05287322	-2.40E-04
5.62E-04	0.0078905	450	0.02666667	0.04979699	-0.00021326
9.49E-04	0.00811735	450	0.01777778	0.04908875	-2.08E-04
0.00187907	0.00863476	450	0.00444444	0.04785723	-1.98E-04
0.00110957	0.00824782	450	0.00888889	0.04940695	-2.10E-04
0.00165779	0.0085598	450	0.00222222	0.04925146	-2.09E-04
9.56E-04	0.00784265	389.980125	0.00444444	0.04948438	-2.11E-04
3.40E-04	0.00776897	522.286961	0.03111111	0.05264788	-2.38E-04
8.51E-04	0.00779567	450	0.01333333	0.05140611	-2.27E-04
3.13E-04	0.00755918	450	0.04888889	0.05062151	-2.21E-04
4.55E-04	0.0081206	450	0.03111111	0.05337229	-2.44E-04
0.00186465	0.00854483	450	0.00444444	0.05093216	-2.24E-04
3.47E-04	0.00758854	515.137438	0.01777778	0.05335952	-2.44E-04
0.00150477	0.00824656	550.649696	0.00444444	0.04783857	-1.98E-04
2.50E-04	0.00787439	573.72856	0.04888889	0.05302728	-2.41E-04
7.10E-04	0.0082324	450	0.04888889	0.05172506	-2.30E-04
0.00192414	0.00880835	450	0.00444444	0.04956248	-2.12E-04
0.0021202	0.00871427	450	0.00444444	0.04860726	-2.04E-04
6.84E-04	0.00736503	450	0.02222222	0.05142423	-2.27E-04
9.05E-04	0.0082396	450	0.01777778	0.05188408	-2.31E-04
1.58E-04	0.00744711	527.26319	0.01777778	0.05201992	-2.32E-04
8.04E-04	0.0078494	682.791576	0.00888889	0.05225968	-2.34E-04
0.0012894	0.00829413	568.478879	0.01333333	0.05120952	-2.25E-04
0.00121783	0.00827975	538.507183	0.00444444	0.04969487	-2.13E-04
9.00E-04	0.00741747	450	0.01333333	0.0496807	-2.13E-04

4.65E-04	0.00775622	374.166701	0.02666667	0.05465982	-2.55E-04
0.00119821	0.00755701	450	0.02222222	0.0494069	-2.11E-04
0.00180314	0.00837874	450	0.00222222	0.04846028	-2.03E-04
5.86E-04	0.00738667	429.645336	0.03111111	0.05169418	-2.30E-04
8.91E-04	0.00785386	450	0.01777778	0.05207762	-2.33E-04
0.0011244	0.00870189	466.46488	0.03111111	0.05288838	-2.40E-04
8.08E-04	0.00764342	535.561503	0.03555556	0.05000515	-2.16E-04
0.0023806	0.0093207	450	0.00444444	0.04907455	-2.07E-04
8.72E-04	0.00865951	450	0.02666667	0.0512862	-2.26E-04
0.00147104	0.00832816	450	0.00444444	0.05220217	-2.33E-04
2.30E-04	0.00776015	450	0.04	0.05453925	-2.55E-04
9.62E-04	0.00765683	450	0.01777778	0.04972715	-2.13E-04
0.00168403	0.00848088	450	0.00444444	0.04943761	-2.11E-04
0.00121721	0.0077306	450	0.01333333	0.05210831	-2.33E-04
0.00166582	0.0088691	289.844937	0.00888889	0.05003452	-2.15E-04
0.00101298	0.00765801	450	0.00888889	0.04893558	-2.07E-04
8.49E-04	0.00810781	390.172159	0.02666667	0.04985856	-2.14E-04
6.59E-04	0.00822795	450	0.03555556	0.04953356	-2.12E-04
7.72E-04	0.0085215	294.848264	0.04444444	0.05564167	-2.64E-04
0.00161675	0.00861411	450	0.00888889	0.0478411	-1.98E-04
6.15E-04	0.00813158	450	0.04444444	0.05428804	-2.53E-04
6.29E-04	0.00757897	500.539692	0.03111111	0.05437601	-2.53E-04
1.03E-04	0.00766602	805.44107	0.03111111	0.05269222	-2.38E-04
0.00154243	0.00837863	450	0.01777778	0.05241941	-2.36E-04
0.00122758	0.00871364	450	0.00222222	0.05165795	-2.29E-04
0.00164049	0.00806662	450	0.00444444	0.04862696	-2.04E-04
9.41E-04	0.0077484	450	0.00888889	0.05041007	-2.18E-04
0.00160908	0.00864771	557.845161	0.00444444	0.05154696	-2.28E-04
7.55E-04	0.00829915	450	0.01333333	0.05223034	-2.34E-04
0.00388607	0.01233383	665.818651	0.00222222	0.0550723	-3.43E-04
0.00395027	0.01171664	450	0.00222222	0.05112585	-3.18E-04
0.0034588	0.01142544	450	0.00222222	0.04945383	-3.15E-04
0.00398185	0.01237341	673.384567	0.00222222	0.05373189	-3.38E-04
0.00350996	0.01164263	450	0.00444444	0.05012526	-3.16E-04
0.0032396	0.01173206	450	0.00222222	0.04962315	-3.24E-04
0.00352737	0.01287314	450	0.00222222	0.05111226	-3.26E-04
0.00300999	0.01150841	450	0.00222222	0.05040808	-3.27E-04
0.00421387	0.0128907	450	0.00222222	0.0529673	-3.29E-04
0.00422362	0.01273304	450	0.00222222	0.05374447	-3.28E-04
0.00374345	0.01184823	450	0.00222222	0.0533346	-3.45E-04
0.00265776	0.01121037	450	0.00444444	0.04796757	-3.17E-04
0.00417558	0.01236002	450	0.00222222	0.05120813	-3.18E-04
0.003334	0.01146104	552.409204	0.00222222	0.04747393	-3.09E-04

0.00326714	0.01180533	450	0.00888889	0.05117498	-3.36E-04
0.00296093	0.01182768	450	0.00444444	0.05120911	-3.24E-04
0.00379598	0.01246814	450	0.00222222	0.05085918	-3.28E-04
0.00298707	0.01189878	450	0.00222222	0.04819532	-3.18E-04
0.00378762	0.01267184	575.786361	0.00222222	0.05338995	-3.45E-04
0.00379621	0.01199701	450	0.00222222	0.05035451	-3.28E-04
0.00375534	0.01309851	450	0.00222222	0.05120348	-3.28E-04
0.0033311	0.01162983	385.643508	0.00222222	0.05221524	-3.26E-04
0.00352198	0.01265454	690.498784	0.00222222	0.05041219	-3.21E-04
0.00438944	0.01314132	450	0.00222222	0.05137296	-3.20E-04
0.00200797	0.01162812	452.065569	0.00222222	0.04910257	-3.23E-04
0.00295301	0.01182285	450	0.00222222	0.04988297	-3.07E-04
0.00306045	0.01218074	450	0.00222222	0.04811463	-3.07E-04
0.00324533	0.01149628	450	0.00222222	0.05039141	-3.21E-04
0.00376471	0.01211557	450	0.00222222	0.0510279	-3.31E-04
0.00340027	0.0118157	522.181131	0.00222222	0.05112166	-3.21E-04
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0.00323401	0.01158392	450	0.00222222	0.05101402	-3.36E-04
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0.00391392	0.01260687	450	0.00222222	0.05158609	-3.27E-04
0.0030195	0.01128613	390.180223	0.00222222	0.04968119	-3.08E-04
0.00427941	0.0126331	536.343049	0.00444444	0.05294963	-3.29E-04
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0.00303629	0.01217115	450	0.00222222	0.05069626	-3.27E-04
0.00371202	0.01216611	450	0.00222222	0.05203624	-3.35E-04
0.00325023	0.01220067	392.02826	0.00222222	0.05360445	-3.29E-04
0.00413859	0.01203882	755.84296	0.00444444	0.05310169	-3.34E-04
0.00457122	0.01293926	450	0.00222222	0.0518079	-3.21E-04
0.00280893	0.0113693	450	0.00222222	0.04989535	-3.16E-04
0.00376659	0.0124912	780.909642	0.00222222	0.05124656	-3.33E-04
0.00311489	0.01174456	524.754337	0.00444444	0.04978615	-3.14E-04
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0.00242894	0.0114742	450	0.00222222	0.0499682	-3.25E-04
0.00375437	0.0128003	450	0.00888889	0.05008755	-3.24E-04
0.0034513	0.01242685	378.072558	0.00222222	0.05085362	-3.33E-04
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0.00272013	0.01149368	450	0.00222222	0.04873617	-3.16E-04
0.0043789	0.01274949	450	0.00222222	0.04919062	-3.07E-04
0.00438116	0.01245986	450	0.00222222	0.05290085	-3.30E-04
0.00279116	0.01170471	450	0.00222222	0.05009228	-3.29E-04
0.00336046	0.01173637	450	0.00222222	0.04872701	-3.01E-04
0.00315947	0.01193829	450	0.00222222	0.04889468	-3.16E-04
0.00415644	0.01256959	450	0.00222222	0.05339276	-3.39E-04
0.0029258	0.01163393	489.214439	0.00222222	0.05020403	-3.24E-04
0.00380986	0.01254103	450	0.00222222	0.05147701	-3.17E-04
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0.00394619	0.0121074	450	0.00222222	0.05127099	-3.18E-04
0.00393661	0.01237724	450	0.00222222	0.04934261	-3.07E-04
0.00365931	0.01245235	471.328363	0.00222222	0.04940892	-3.14E-04
0.00471295	0.01324545	450	0.00222222	0.05300595	-3.23E-04
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0.00374453	0.01306912	489.404015	0.00444444	0.05153083	-3.38E-04
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0.0033764	0.01241504	388.351587	0.00222222	0.04987579	-3.27E-04
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0.00373734	0.01214178	450	0.00222222	0.04950436	-3.13E-04
0.00329098	0.01196909	529.130164	0.00222222	0.05077581	-3.32E-04
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0.03501822	0.09617244	591.526651	0.00222222	0.19448524	-0.00504654
0.02830387	0.08558468	353.93332	0.00444444	0.20426897	-0.00540764
0.03136647	0.08395808	450	0.00222222	0.2426165	-0.00717281
0.03264963	0.08543615	450	0.00222222	0.19247467	-0.004929
0.03991692	0.09048557	450	0.00222222	0.17455123	-0.00401005
0.03926092	0.09491364	450	0.00222222	0.19766418	-0.00528135
0.03897618	0.09429004	532.299834	0.00222222	0.22485539	-0.0064319
0.03362325	0.09331934	548.661042	0.00222222	0.19444954	-0.0050148
0.02550272	0.08625377	450	0.00222222	0.21560911	-0.00600808
0.02363083	0.08757594	495.493468	0.00444444	0.20104594	-0.00532172
0.02863662	0.08583331	329.987916	0.00222222	0.22092941	-0.00624051
0.034344	0.09374973	515.327942	0.00222222	0.20716735	-0.00555197
0.02824091	0.09173599	560.280426	0.00222222	0.21154649	-0.00583463
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0.04786291	0.10123162	450	0.00222222	0.17712283	-0.00424383
0.04043737	0.09728651	450	0.00222222	0.20159523	-0.00529707
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0.04463499	0.09921749	450	0.00222222	0.19334779	-0.00488418
0.0368049	0.09382114	354.516227	0.00222222	0.20867852	-0.00567038
0.03093712	0.08647201	450	0.00222222	0.22054534	-0.00621311
0.03194324	0.0910239	450	0.00222222	0.19851888	-0.00517203
0.03351934	0.09752205	517.657836	0.00222222	0.19306811	-0.00503581
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0.03681876	0.0965692	450	0.00222222	0.22130119	-0.00636795
0.02675701	0.08233162	450	0.00222222	0.19550006	-0.00508212
0.03638751	0.09947867	468.886672	0.00222222	0.18875073	-0.0046674
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0.03686276	0.09593509	450	0.00222222	0.21267868	-0.00581775
0.03123683	0.09079884	322.286935	0.00222222	0.19419394	-0.00491948
0.02795529	0.10862317	450	0.00888889	0.25780449	-0.00815599
0.03218159	0.08605837	798.892475	0.00222222	0.20393688	-0.0053589
0.04097598	0.09475003	450	0.00222222	0.19090858	-0.00468661
0.04587541	0.10066284	384.739649	0.00222222	0.21381801	-0.00600297
0.03817457	0.09585566	450	0.00222222	0.23693999	-0.0071371
0.03252191	0.09120082	450	0.00222222	0.1983878	-0.00507509
0.04558209	0.10298357	450	0.00222222	0.20101784	-0.00531205

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0.03428509	0.08649104	365.394901	0.00222222	0.2124472	-0.00573761
0.04876278	0.10179469	450	0.00222222	0.19020304	-0.00483619
0.03732369	0.10077457	297.614768	0.00444444	0.20997314	-0.0058091
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0.04190751	0.1025821	450	0.00222222	0.22108973	-0.00637425
0.0300818	0.09168772	450	0.00222222	0.19062135	-0.00470856
0.0442556	0.09441625	450	0.00222222	0.16815609	-0.00376976
0.05164614	0.09874395	450	0.00222222	0.19143765	-0.00486721
0.04308592	0.09351954	516.927009	0.00222222	0.20201543	-0.00533103
0.02593598	0.08529239	450	0.00222222	0.1941822	-0.00505008
0.04006781	0.09631555	459.601797	0.00222222	0.20122603	-0.00529613
0.02545319	0.08772032	450	0.00222222	0.2099664	-0.00562684
0.03577258	0.10269442	532.483568	0.00222222	0.22806407	-0.00664727
0.03581303	0.09270103	450	0.00222222	0.20642159	-0.00552802
0.02550473	0.09183366	455.639063	0.00222222	0.22897875	-0.00670083
0.04087781	0.09935324	450	0.00222222	0.24128529	-0.00740434
0.03163528	0.09712627	450	0.00222222	0.20978586	-0.00564148
0.0333602	0.08886785	380.777167	0.00222222	0.21341401	-0.00583216
0.04182677	0.1015095	450	0.00444444	0.20465365	-0.00569591
0.04209184	0.09904905	410.166906	0.00222222	0.17599543	-0.00408861
0.04259659	0.09156192	450	0.00222222	0.16800164	-0.00378467
0.03385512	0.09228988	364.544354	0.00222222	0.21007755	-0.00578286
0.03723546	0.09383267	450	0.00222222	0.19480007	-0.00507286
0.02758449	0.0970891	450	0.00444444	0.23149687	-0.00677337
0.03323217	0.09027694	450	0.00222222	0.20311983	-0.00529029
0.04616994	0.10202338	450	0.00222222	0.18531601	-0.00471652
0.04801982	0.10164538	517.950222	0.00222222	0.22442319	-0.00654784
0.03575506	0.09455485	591.454854	0.00222222	0.20429852	-0.00547578
0.04020082	0.09468059	450	0.00222222	0.18719431	-0.00478143
0.02264021	0.09275051	450	0.00444444	0.24433056	-0.00750594
0.04244358	0.09623913	450	0.00222222	0.16971909	-0.00381732
0.0318615	0.09170614	450	0.00222222	0.19378405	-0.00481667
0.03112756	0.09106801	450	0.00444444	0.20833896	-0.00566365
0.04457187	0.09478133	375.431921	0.00222222	0.20911442	-0.00575508
0.04186754	0.10210978	450	0.00444444	0.19392525	-0.00507561
0.03431283	0.09485933	377.801882	0.00222222	0.19380768	-0.00493013
0.03021778	0.09754789	450	0.00222222	0.21808699	-0.00602651
0.04160513	0.09959039	450	0.00222222	0.18520027	-0.00451673
0.03477977	0.0961526	450	0.00444444	0.22535045	-0.00658512
0.03581003	0.09457897	450	0.00222222	0.19879522	-0.0052881
0.04330043	0.09537753	450	0.00222222	0.18796581	-0.00476677

0.03331828	0.10386155	655.280037	0.00444444	0.2030791	-0.00535603
0.02599828	0.08082563	580.085838	0.00222222	0.19071085	-0.0049186
0.0356821	0.08545145	450	0.00222222	0.20426868	-0.00542253
0.04471739	0.09883059	450	0.00222222	0.20526955	-0.00553258
0.02843243	0.09013543	450	0.00222222	0.17999102	-0.0043618
0.03577791	0.09011733	450	0.00222222	0.18240678	-0.00447987
0.03432601	0.09226376	450	0.00222222	0.1843105	-0.00452536
0.03975551	0.1035345	450	0.00222222	0.2352242	-0.00709254
0.02858977	0.08350937	230.086685	0.00444444	0.1892977	-0.00473514
0.04384707	0.09882903	450	0.00222222	0.21299607	-0.00595279
0.03273064	0.09204778	450	0.00222222	0.20732346	-0.00553492
0.03142042	0.09010855	560.658354	0.00222222	0.20692124	-0.00556324
0.03508876	0.09792057	356.852796	0.00444444	0.20947242	-0.00561373
0.03789103	0.0964538	450	0.00222222	0.17984464	-0.00425696
0.01725382	0.03769769	407.442022	0.00222222	0.07653169	-5.96E-04
0.01576815	0.0390281	242.599929	0.00222222	0.08613002	-7.63E-04
0.0110457	0.03557209	386.418228	0.00222222	0.08145639	-6.97E-04
0.0183204	0.03938562	395.971694	0.00222222	0.07830786	-6.14E-04
0.01675821	0.04156937	450	0.00222222	0.08794913	-7.81E-04
0.01723389	0.03891863	450	0.00222222	0.08048419	-6.85E-04
0.01621391	0.03841655	450	0.00222222	0.0861465	-7.71E-04
0.01548633	0.03672736	450	0.00222222	0.08008887	-6.59E-04
0.01692052	0.03972686	450	0.00222222	0.08495256	-7.29E-04
0.01308219	0.03427529	450	0.00222222	0.07547148	-5.82E-04
0.01682193	0.0390546	450	0.00222222	0.07469356	-5.69E-04
0.01943194	0.04344039	329.057388	0.00222222	0.0741015	-5.46E-04
0.01654724	0.03885026	380.322885	0.00222222	0.08479061	-7.00E-04
0.01292238	0.03639582	450	0.00222222	0.09178225	-8.38E-04
0.01600458	0.03731444	547.807392	0.00222222	0.07541724	-5.88E-04
0.01912698	0.0386906	450	0.00222222	0.06972302	-4.94E-04
0.01547348	0.03667955	386.855096	0.00222222	0.07500113	-5.75E-04
0.01545919	0.0391089	450	0.00222222	0.08999662	-8.13E-04
0.01821811	0.04149353	370.551213	0.00222222	0.08768524	-7.63E-04
0.01057702	0.03367728	450	0.00444444	0.07790378	-6.46E-04
0.02204196	0.04276462	287.461564	0.00222222	0.08258038	-6.92E-04
0.01527822	0.03920167	382.850132	0.00222222	0.08826441	-7.99E-04
0.01576575	0.03694939	450	0.00222222	0.07359785	-5.55E-04
0.01922175	0.04093657	368.732821	0.00222222	0.07982832	-6.40E-04
0.01532229	0.03778322	313.568884	0.00222222	0.07663761	-6.06E-04
0.01308031	0.03753484	525.441179	0.00222222	0.09368826	-8.71E-04
0.01613382	0.03868902	450	0.00222222	0.08045675	-6.46E-04
0.01822304	0.03981834	450	0.00222222	0.08398037	-7.27E-04
0.01936762	0.04470058	343.968677	0.00222222	0.08510537	-7.31E-04

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0.01627307	0.03827518	450	0.00222222	0.08046957	-6.68E-04
0.01364779	0.03533926	450	0.00222222	0.07045492	-5.22E-04
0.01683627	0.03791741	450	0.00222222	0.08395631	-7.37E-04
0.01739792	0.03860327	450	0.00222222	0.08582162	-7.45E-04
0.01312376	0.03461102	450	0.00222222	0.08622257	-7.62E-04
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0.01550905	0.04126506	246.196398	0.00222222	0.09631975	-9.17E-04
0.01639026	0.03807832	222.192531	0.00222222	0.07210033	-5.49E-04
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0.01565334	0.03863817	472.88373	0.00222222	0.06996929	-5.01E-04
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0.00296366	0.01842014	450	0.01333333	0.06116208	-4.42E-04
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0.00111749	0.01434192	450	0.02222222	0.05768993	-3.97E-04
0.00242868	0.01671632	450	0.01333333	0.06190505	-4.19E-04
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0.0026701	0.01826858	450	0.00888889	0.06373937	-4.69E-04
0.00333564	0.01879927	450	0.00888889	0.06899826	-5.01E-04
0.00147149	0.01673618	450	0.02222222	0.05941973	-4.21E-04
0.00173381	0.01892532	399.033879	0.02222222	0.06856375	-4.80E-04
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0.00133999	0.0171216	450	0.02222222	0.06236715	-4.52E-04
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0.00212266	0.01748015	450	0.02222222	0.06146808	-4.49E-04
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0.00252173	0.01928343	450	0.02222222	0.06356196	-4.52E-04
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0.0027591	0.0172531	450	0.00888889	0.06412016	-4.72E-04
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0.00275292	0.01865445	532.962534	0.00222222	0.06521419	-4.68E-04
0.00172632	0.01742884	390.690408	0.01777778	0.06321983	-4.62E-04
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8.74E-04	0.01572248	450	0.02222222	0.05931695	-0.00043882
0.00178052	0.01715359	450	0.01333333	0.0642764	-4.63E-04
3.34E-04	0.01532025	450	0.02666667	0.05884114	-4.14E-04
0.00242906	0.01921781	450	0.01333333	0.06873804	-5.12E-04
0.0017126	0.01875951	782.486598	0.03111111	0.06188135	-4.44E-04
5.83E-04	0.01681791	450	0.02666667	0.06265809	-4.54E-04
0.00272182	0.02042187	450	0.02666667	0.06658729	-4.86E-04
0.00176649	0.01501372	450	0.00888889	0.05842935	-3.86E-04
0.0011189	0.01779072	450	0.02222222	0.06624252	-4.79E-04
5.89E-04	0.01729576	450	0.03555556	0.06458428	-4.68E-04
0.00250257	0.01691656	376.773346	0.02222222	0.06665871	-4.72E-04
0.001742	0.0175539	450	0.01777778	0.06001698	-4.32E-04
4.14E-04	0.01684075	450	0.01777778	0.06611864	-4.76E-04
0.0015087	0.01703158	450	0.03111111	0.05881619	-4.34E-04
0.00278909	0.01820533	450	0.02666667	0.06587204	-4.83E-04
0.00401893	0.01980809	392.041067	0.00444444	0.06772646	-4.78E-04
-3.16E-04	0.01688558	532.608474	0.05777778	0.05868802	-4.43E-04
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0.0018136	0.0174059	450	0.03111111	0.06151916	-4.45E-04
0.00274204	0.01620172	415.885828	0.00222222	0.05809862	-4.21E-04
0.00237498	0.01760262	450	0.01333333	0.06459417	-4.64E-04
0.00374807	0.0174124	585.548484	0.00444444	0.06332883	-4.28E-04
6.52E-04	0.01630848	539.122498	0.02222222	0.06298903	-4.47E-04
0.00252231	0.01760084	451.355111	0.01333333	0.06423661	-4.73E-04
9.17E-04	0.01775248	389.292097	0.03111111	0.0639117	-4.69E-04
0.00116921	0.0170769	450	0.02666667	0.06196127	-4.62E-04
0.00222811	0.01775953	450	0.01333333	0.06403153	-4.80E-04
0.00413414	0.01989796	450	0.00222222	0.07011019	-5.01E-04
0.00261556	0.01759426	450	0.00444444	0.06636689	-4.79E-04
9.55E-04	0.01708894	450	0.02666667	0.0613162	-4.52E-04
9.56E-04	0.01614667	450	0.05333333	0.06086674	-4.38E-04
0.00287458	0.0186741	450	0.02222222	0.06012862	-4.26E-04
0.00148219	0.0168478	450	0.01333333	0.05995208	-4.30E-04
8.96E-04	0.01604677	517.082323	0.01777778	0.05723785	-4.12E-04

0.00476867	0.02065825	450	0.00444444	0.0697708	-4.90E-04
8.47E-04	0.0165244	595.770509	0.03555556	0.05915317	-4.34E-04
0.00270503	0.01879038	450	0.00888889	0.06178246	-4.18E-04
0.00207271	0.01690315	450	0.01333333	0.05975309	-4.38E-04
0.00145604	0.01781073	450	0.02666667	0.06698978	-4.81E-04
0.00153041	0.01576963	1375.24482	0.01333333	0.05665149	-3.78E-04
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0.0025812	0.01827823	450	0.00888889	0.06265188	-4.46E-04
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7.30E-04	0.01690521	450	0.02666667	0.06414098	-4.67E-04
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0.00431712	0.01816462	450	0.00444444	0.06366684	-4.21E-04
0.00143911	0.01789993	360.979307	0.02666667	0.05954521	-4.40E-04
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7.54E-04	0.01596098	450	0.02222222	0.05969901	-4.39E-04
0.00282368	0.01779757	450	0.01333333	0.06499294	-4.87E-04
3.18E-04	0.01570294	370.575805	0.03111111	0.05973923	-4.41E-04
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0.00252571	0.01616789	450	0.00444444	0.06207012	-4.23E-04
0.00357343	0.01954193	450	0.01333333	0.06806944	-4.93E-04
9.33E-04	0.01637816	381.830463	0.02222222	0.06068556	-4.43E-04
0.00196337	0.01611754	450	0.01777778	0.05456913	-3.72E-04
0.00286065	0.01893098	450	0.00444444	0.06513539	-4.60E-04
0.00267438	0.01697144	450	0.01333333	0.06168027	-4.25E-04
0.00124608	0.01581399	450	0.03111111	0.06053836	-4.19E-04
0.00187278	0.01612074	450	0.01777778	0.05832057	-4.21E-04
0.00268644	0.01959815	403.744258	0.00222222	0.06969652	-5.06E-04
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0.03492284	0.09415791	450	0.00444444	0.18487022	-0.00413095

0.02215655	0.08736948	450	0.00888889	0.20655368	-0.0051905
0.02174071	0.09668101	450	0.00222222	0.20962326	-0.00559716
0.04008892	0.10426828	450	0.00444444	0.21095121	-0.00531259
0.022188	0.09487266	514.06546	0.00222222	0.22813762	-0.0060002
0.02958675	0.08560351	366.167934	0.00444444	0.17489973	-0.00383403
0.02437702	0.08111929	450	0.00888889	0.16830335	-0.00368845
0.02771822	0.08837709	450	0.00444444	0.19199082	-0.00471308
0.02326053	0.08976801	297.197861	0.00444444	0.2176449	-0.00569156
0.02591818	0.08169703	450	0.00222222	0.17749394	-0.00394988
0.02673709	0.0871594	450	0.00222222	0.1897864	-0.00458919
0.026987	0.09574047	450	0.00222222	0.21847542	-0.00595997
0.02457358	0.08624122	450	0.00444444	0.18649954	-0.00438945
0.02849473	0.08668511	526.67606	0.00222222	0.20062847	-0.00490779
0.0329251	0.09805849	450	0.00222222	0.18901558	-0.00462566
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0.03191314	0.0942066	520.234144	0.00222222	0.19900725	-0.00479167
0.02047798	0.09231846	450	0.00888889	0.20185023	-0.00507487
0.03269741	0.08865937	450	0.00444444	0.1862764	-0.00443104
0.02165924	0.08264538	450	0.00444444	0.19053315	-0.00453398
0.02017546	0.08371086	450	0.00444444	0.17911892	-0.00399661
0.03514082	0.09211149	450	0.00222222	0.17749561	-0.00409419
0.03190021	0.08780239	603.797672	0.00222222	0.17221066	-0.0038321
0.03375153	0.08906119	334.97678	0.00222222	0.17666772	-0.00394684
0.02898867	0.08740738	450	0.00444444	0.18276396	-0.00423067
0.03118693	0.08749972	450	0.00222222	0.18522765	-0.00434599
0.0221534	0.08283581	450	0.00222222	0.19355569	-0.00469243
0.03133646	0.09454499	450	0.00222222	0.20132368	-0.00480581
0.03258531	0.09096513	450	0.00222222	0.1717778	-0.0036865
0.02220609	0.08536972	450	0.00444444	0.19866708	-0.00482923
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0.02862874	0.08799878	450	0.00444444	0.18250014	-0.0041418
0.03718598	0.10209417	450	0.00222222	0.20886372	-0.00550027
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0.02831754	0.08534822	450	0.00222222	0.19233016	-0.00438697
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0.02161659	0.07830616	450	0.00222222	0.17883887	-0.00394973
0.02558758	0.08807125	390.126602	0.00222222	0.20473821	-0.00498458
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0.0225101	0.08062841	450	0.00222222	0.18001354	-0.00407314
0.03313441	0.09689302	450	0.00444444	0.1973287	-0.00478291
0.02068092	0.08485372	450	0.00444444	0.18991101	-0.0043004
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0.02161143	0.08466836	450	0.01333333	0.20822258	-0.00508592

0.02442405	0.08088893	450	0.00222222	0.18277381	-0.00420554
0.02647735	0.08324105	450	0.00888889	0.18270901	-0.00422181
0.0237716	0.09353442	450	0.00444444	0.18243216	-0.00417683
0.03044305	0.09383768	450	0.00222222	0.16317629	-0.00340427
0.01823995	0.08315154	450	0.00222222	0.20671771	-0.00533586
0.01658948	0.08183876	362.349375	0.00444444	0.20041654	-0.00502359
0.03312472	0.09563979	450	0.00222222	0.20949554	-0.00533514
0.02611535	0.09076539	518.315654	0.00222222	0.2002776	-0.00498383
0.02591257	0.08317257	558.947819	0.00222222	0.18560971	-0.00431438
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0.03190027	0.09784806	450	0.00222222	0.20357919	-0.00520381
0.02086812	0.09435277	450	0.00444444	0.2209225	-0.0056517
0.03415013	0.09269685	450	0.00444444	0.2223357	-0.00578836
0.02844444	0.08477353	383.688182	0.00222222	0.17894223	-0.00388299
0.03621187	0.09781389	450	0.00222222	0.2099691	-0.00538523
0.01820898	0.08102831	400.044662	0.01333333	0.20413948	-0.00513241
0.02444067	0.08298269	450	0.00888889	0.19340543	-0.00465675
0.02675393	0.08767296	517.785361	0.00222222	0.1874371	-0.00438973
0.02749751	0.08222911	374.367172	0.00222222	0.19320364	-0.00465146
0.02642862	0.09043492	379.505863	0.00222222	0.20572963	-0.00526909
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0.03063403	0.08647938	450	0.00444444	0.16995658	-0.00369756
0.02886215	0.0854775	336.174849	0.00222222	0.16330404	-0.003453
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0.03449719	0.09245526	450	0.00222222	0.18301304	-0.00440143
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0.0326552	0.08957578	450	0.00444444	0.17820734	-0.0039741
0.03916306	0.09549382	450	0.00222222	0.16244337	-0.0034816
0.02426192	0.09131204	591.187537	0.00222222	0.19738384	-0.00482198
0.03017737	0.08652326	1315.94223	0.00222222	0.17633932	-0.00397801
0.02030121	0.08069615	450	0.00222222	0.19495454	-0.00454191
0.02804531	0.08878272	450	0.00444444	0.18319195	-0.00398093
0.02720949	0.09129775	330.108499	0.00222222	0.1725907	-0.00384015
0.03065225	0.09149594	450	0.00222222	0.17971577	-0.00407193
0.02591144	0.08607653	450	0.00222222	0.19764562	-0.00492843
0.03662114	0.08800756	450	0.00222222	0.16584899	-0.00352058
0.02950331	0.08415311	323.013601	0.00222222	0.17769834	-0.00402597
0.0290088	0.08806601	345.470222	0.00444444	0.18226574	-0.00418483
0.03204326	0.0949426	399.222153	0.00222222	0.19617303	-0.00497123
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0.03403391	0.08896861	450	0.00888889	0.16823285	-0.00359048

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0.02650112	0.08776208	450	0.00444444	0.18093753	-0.00401064
0.03619702	0.09333543	450	0.00222222	0.18868925	-0.00430607
0.02890023	0.09421079	450	0.01333333	0.17427533	-0.00386708
0.02827772	0.08138818	450	0.00444444	0.16511101	-0.003421
0.03106103	0.08926889	617.3996	0.00222222	0.17368181	-0.0039153
0.01749237	0.08305161	450	0.00444444	0.20237636	-0.0050924
0.02847675	0.10013168	450	0.00444444	0.20167777	-0.005024
0.02380212	0.08695294	358.095387	0.00222222	0.19105471	-0.00473376
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3.98E-04	0.02289347	450	0.02666667	0.05032605	-2.47E-04
9.73E-04	0.02495085	450	0.04444444	0.0460605	-2.09E-04
0.00126502	0.02592708	450	0.04	0.04870559	-2.34E-04
-3.56E-04	0.02379694	450	0.06222222	0.0479978	-2.24E-04
-9.27E-05	0.0257255	450	0.06666667	0.04957248	-2.36E-04
-0.00116782	0.02318901	450	0.07555556	0.04552394	-2.04E-04
4.69E-04	0.02374075	367.221683	0.05333333	0.0466766	-2.15E-04
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0.00111448	0.02330235	450	0.04888889	0.04707243	-2.18E-04
7.12E-04	0.02465056	450	0.03555556	0.04929007	-2.37E-04
0.00113124	0.02536703	450	0.04	0.04834663	-2.27E-04
4.30E-04	0.02486205	450	0.04	0.047412	-2.21E-04
0.00278556	0.02741912	450	0.02666667	0.04784314	-2.24E-04
0.00308396	0.02581027	450	0.04	0.04786774	-2.25E-04
1.56E-04	0.02671495	450	0.08444444	0.04888244	-2.31E-04
0.00113442	0.02321615	450	0.01333333	0.04673597	-2.14E-04
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5.12E-04	0.02463014	450	0.04444444	0.0450852	-2.05E-04
3.89E-04	0.02541529	450	0.07111111	0.04989472	-2.45E-04
9.53E-04	0.02407475	517.93514	0.04	0.04646223	-2.11E-04
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0.00336814	0.02490933	450	0.03111111	0.04722237	-2.20E-04
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6.14E-05	0.02391347	450	0.07555556	0.04650736	-2.11E-04
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7.44E-04	0.02267909	450	0.04	0.04611835	-2.09E-04
0.0010863	0.02500485	533.205238	0.04	0.04877032	-2.34E-04
3.56E-04	0.02332988	522.806639	0.04888889	0.04726859	-2.21E-04
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6.07E-05	0.02374616	450	0.02222222	0.05100972	-2.52E-04
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4.18E-04	0.02338472	450	0.04444444	0.04676736	-2.13E-04
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0.00217599	0.02301275	450	0.04	0.04593167	-2.04E-04
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4.93E-04	0.02408339	450	0.03111111	0.04897809	-2.33E-04
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8.88E-04	0.02494968	450	0.04	0.05003421	-2.43E-04
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7.49E-05	0.0245499	450	0.06222222	0.046712	-2.12E-04
2.37E-04	0.02650082	450	0.05333333	0.04602625	-2.08E-04
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0.00288261	0.01627574	450	0.00222222	0.04846009	-2.32E-04
0.00392094	0.0169688	450	0.00444444	0.0484119	-2.32E-04
0.00308348	0.01636283	800.554804	0.00222222	0.0492623	-2.40E-04
0.00266281	0.01581663	450	0.00888889	0.05122249	-2.58E-04
0.00372379	0.0174611	450	0.00222222	0.05042611	-2.50E-04
0.00338542	0.01666944	387.615861	0.00444444	0.04809807	-2.29E-04
0.00327432	0.01656237	336.240152	0.00888889	0.05021817	-2.48E-04
0.00198754	0.01573822	450	0.00444444	0.04933006	-2.42E-04
0.00379236	0.01690584	450	0.00444444	0.04863401	-2.33E-04
0.00281648	0.01713834	450	0.00222222	0.04910789	-2.39E-04
0.00335849	0.0167363	450	0.00444444	0.04827726	-2.30E-04
0.00369046	0.01686275	450	0.01333333	0.05011011	-2.46E-04
0.00424292	0.01639544	450	0.00222222	0.05039833	-2.50E-04
0.00285747	0.01595804	392.184606	0.00444444	0.04909165	-2.36E-04
0.00317298	0.01532905	450	0.01333333	0.04883523	-2.37E-04
0.00361105	0.01710501	450	0.00444444	0.04864737	-2.34E-04
0.00435865	0.01718258	380.468722	0.00888889	0.04857245	-2.34E-04
0.00461259	0.01765306	450	0.01333333	0.04937351	-2.42E-04
0.0044517	0.01683988	450	0.00222222	0.04914876	-2.38E-04
0.00552938	0.01703046	450	0.00222222	0.04740069	-2.22E-04
0.00389218	0.01767723	450	0.00888889	0.04968707	-2.43E-04
0.00349456	0.0164462	516.576133	0.00222222	0.04805625	-2.27E-04
0.0042233	0.01657942	358.981742	0.00888889	0.04914235	-2.39E-04
0.00368125	0.01629184	450	0.00444444	0.04941907	-2.40E-04
0.00424046	0.01694023	450	0.00222222	0.04889462	-2.37E-04
0.00414281	0.01715172	450	0.00444444	0.05144475	-2.60E-04
0.00495271	0.01716898	452.863049	0.00444444	0.04859078	-2.34E-04
0.0042234	0.01729886	450	0.01333333	0.0514483	-2.62E-04

0.00376741	0.01649808	452.534881	0.00444444	0.04880523	-2.34E-04
0.0038367	0.0171982	450	0.01333333	0.05088246	-2.56E-04
0.00479074	0.01678032	507.563214	0.00222222	0.04771713	-2.26E-04
0.0043663	0.01663978	450	0.00888889	0.04917981	-2.40E-04
0.0049971	0.01700391	450	0.00444444	0.0478507	-2.25E-04
0.0042255	0.01660238	395.354227	0.00444444	0.0482898	-2.31E-04
0.00358991	0.01687295	450	0.00444444	0.04872485	-2.35E-04
0.00453174	0.01690654	450	0.00444444	0.05167141	-2.64E-04
0.00440733	0.01686176	450	0.00222222	0.04807824	-2.29E-04
0.00346232	0.0161359	450	0.00888889	0.04746994	-2.23E-04
0.00375493	0.01642504	382.149771	0.00222222	0.0491904	-2.38E-04
0.00403391	0.01698146	450	0.00888889	0.04786143	-2.28E-04
0.00272916	0.0156006	450	0.00444444	0.05265371	-2.73E-04
0.0034588	0.01590975	450	0.00888889	0.05055706	-2.51E-04
0.00292697	0.01604386	450	0.02222222	0.04839815	-2.32E-04
0.00433132	0.0165935	450	0.00222222	0.05079755	-2.53E-04
0.00434997	0.0173759	450	0.00222222	0.04974861	-2.46E-04
0.00351205	0.01554681	517.206844	0.00888889	0.04919374	-2.39E-04
0.00400212	0.01611899	450	0.00888889	0.04796485	-2.29E-04
0.00326979	0.01616776	450	0.00444444	0.04974733	-2.44E-04
0.00402012	0.01708033	450	0.00444444	0.0497177	-2.44E-04
0.00356052	0.01632947	450	0.00888889	0.04962895	-2.45E-04
0.00329482	0.01707163	450	0.01777778	0.04980894	-2.45E-04
0.00351568	0.01682443	450	0.00444444	0.04864941	-2.34E-04
0.00264183	0.01589031	365.743264	0.00888889	0.04835662	-2.31E-04
0.00428221	0.01578726	450	0.00222222	0.0489637	-2.36E-04
0.00347786	0.01655622	391.868893	0.00444444	0.04886538	-2.36E-04
0.00294787	0.01541774	450	0.00222222	0.04908089	-2.38E-04
0.00343734	0.01564098	343.440876	0.00444444	0.04956624	-2.41E-04
0.00294094	0.01650414	370.812882	0.00222222	0.05038601	-2.51E-04
0.00326955	0.01622134	518.736035	0.00222222	0.04878143	-2.35E-04
0.00367451	0.01702658	450	0.00888889	0.05043795	-2.50E-04
0.00410729	0.01623719	450	0.01333333	0.04999303	-2.47E-04
0.00361475	0.01615585	535.662458	0.00222222	0.04830908	-2.31E-04
0.00361228	0.01638284	450	0.00222222	0.05055174	-2.52E-04
0.00313568	0.01652586	450	0.01333333	0.05173173	-2.63E-04
0.00409876	0.0165793	253.223176	0.00444444	0.05160558	-2.60E-04
0.00242911	0.01658109	450	0.00888889	0.04861068	-2.34E-04
0.00417736	0.01639968	378.42369	0.00222222	0.05061907	-2.52E-04
0.00313471	0.01577501	450	0.00444444	0.05172581	-2.65E-04
0.00302167	0.01551081	450	0.00444444	0.04751016	-2.24E-04
0.00496081	0.00794773	450	0.00222222	0.03846416	-1.38E-04
0.00443205	0.00765673	450	0.00222222	0.03861584	-1.40E-04

0.00414847	0.00717332	450	0.00222222	0.03695084	-1.36E-04
0.00500954	0.00773251	450	0.00222222	0.03874303	-1.38E-04
0.00457771	0.00768763	450	0.00222222	0.03891664	-1.41E-04
0.00404618	0.00706129	450	0.00222222	0.03848845	-1.41E-04
0.00430403	0.00770801	450	0.00222222	0.03904609	-1.44E-04
0.00368875	0.00713907	450	0.00222222	0.03745926	-1.37E-04
0.00325149	0.00694397	337.784242	0.00222222	0.03590814	-1.36E-04

slow_lower	slow_upper	slow_lower	slow_upper	slow_ess	slow_pMCM
0.03781524	0.05174127	-2.36E-04	-1.37E-04	450	0.00222222
0.03767248	0.05146989	-2.37E-04	-1.37E-04	224.92964	0.00222222
0.03638782	0.05223872	-2.39E-04	-1.25E-04	450	0.00222222
0.03460958	0.05027614	-2.17E-04	-1.15E-04	450	0.00222222
0.0334127	0.04909975	-2.01E-04	-1.02E-04	582.89273	0.00222222
0.03726214	0.05190375	-2.37E-04	-1.35E-04	450	0.00222222
0.03405782	0.04972639	-2.27E-04	-1.19E-04	450	0.00222222
0.03545818	0.04951098	-2.19E-04	-1.22E-04	450	0.00222222
0.03458962	0.04913528	-2.09E-04	-1.10E-04	450	0.00222222
0.03483921	0.05043391	-2.23E-04	-1.15E-04	450	0.00222222
0.03500933	0.05066022	-2.25E-04	-1.25E-04	369.20148	0.00222222
0.03626827	0.0509351	-2.29E-04	-1.28E-04	450	0.00222222
0.03418862	0.04859176	-2.12E-04	-1.18E-04	612.201739	0.00222222
0.03562621	0.04925274	-2.16E-04	-1.19E-04	450	0.00222222
0.0358643	0.04975688	-2.14E-04	-1.23E-04	450	0.00222222
0.03535735	0.04969677	-2.06E-04	-1.04E-04	1120.20045	0.00222222
0.03377672	0.04964911	-2.18E-04	-1.12E-04	450	0.00222222
0.03574685	0.05071098	-2.34E-04	-1.32E-04	513.417609	0.00222222
0.03608868	0.04940992	-2.24E-04	-1.27E-04	450	0.00222222
0.03603831	0.05119223	-2.31E-04	-1.28E-04	520.260886	0.00222222
0.03471151	0.04898487	-2.11E-04	-1.09E-04	390.905469	0.00222222
0.03676466	0.05138305	-2.41E-04	-1.37E-04	450	0.00222222
0.03801868	0.05175759	-2.30E-04	-1.34E-04	337.816843	0.00222222
0.03832155	0.0531437	-2.42E-04	-1.39E-04	450	0.00222222
0.03723963	0.05115298	-2.27E-04	-1.34E-04	450	0.00222222
0.03450542	0.04946649	-2.18E-04	-1.12E-04	534.271724	0.00222222
0.03874855	0.05241424	-2.45E-04	-1.48E-04	450	0.00222222
0.03557203	0.05084866	-2.30E-04	-1.23E-04	450	0.00222222
0.03529114	0.0497644	-2.16E-04	-1.18E-04	349.851017	0.00222222
0.03600307	0.05060129	-2.26E-04	-1.23E-04	450	0.00222222
0.03658087	0.05043122	-2.23E-04	-1.25E-04	450	0.00222222
0.03528937	0.05156079	-2.25E-04	-1.17E-04	450	0.00222222
0.03561147	0.05028388	-2.21E-04	-1.15E-04	468.836174	0.00222222
0.0362294	0.05012267	-2.25E-04	-1.26E-04	450	0.00222222
0.03704301	0.05028826	-2.17E-04	-1.25E-04	459.582974	0.00222222
0.03731023	0.05319944	-2.42E-04	-1.33E-04	607.617884	0.00222222
0.03763937	0.05185552	-2.44E-04	-1.46E-04	560.873295	0.00222222
0.03489543	0.05191948	-2.32E-04	-1.09E-04	429.818742	0.00222222
0.03531654	0.05093563	-2.35E-04	-1.22E-04	590.552201	0.00222222
0.03651617	0.05053478	-2.17E-04	-1.22E-04	450	0.00222222
0.03801661	0.05190182	-2.35E-04	-1.38E-04	450	0.00222222
0.03306419	0.0498593	-2.06E-04	-1.03E-04	450	0.00222222

0.03747926	0.05255439	-2.51E-04	-1.38E-04	450	0.00222222
0.03467601	0.05038069	-2.20E-04	-1.18E-04	450	0.00222222
0.03568092	0.04964754	-2.19E-04	-1.21E-04	450	0.00222222
0.03506707	0.05123746	-2.31E-04	-1.23E-04	181.615203	0.00222222
0.03466823	0.04991958	-2.11E-04	-1.11E-04	450	0.00222222
0.03471143	0.04946736	-2.14E-04	-1.17E-04	450	0.00222222
0.03596962	0.05115408	-2.17E-04	-1.21E-04	450	0.00222222
0.03384603	0.04983784	-2.26E-04	-1.22E-04	450	0.00222222
0.03665943	0.05185712	-2.44E-04	-1.35E-04	450	0.00222222
0.0361032	0.05187885	-2.37E-04	-1.33E-04	450	0.00222222
0.03719826	0.04976705	-2.26E-04	-1.34E-04	450	0.00222222
0.03532873	0.05004526	-2.18E-04	-1.21E-04	450	0.00222222
0.0353781	0.05000536	-2.28E-04	-1.28E-04	450	0.00222222
0.03479996	0.04908554	-2.22E-04	-1.23E-04	450	0.00222222
0.03617387	0.05042059	-2.27E-04	-1.24E-04	450	0.00222222
0.03878669	0.05348125	-2.49E-04	-1.47E-04	450	0.00222222
0.03545911	0.04976241	-2.17E-04	-1.20E-04	450	0.00222222
0.03745167	0.05156765	-2.35E-04	-1.34E-04	450	0.00222222
0.03638438	0.05090749	-2.44E-04	-1.40E-04	450	0.00222222
0.03482751	0.04811874	-2.16E-04	-1.20E-04	450	0.00222222
0.03785062	0.05324368	-2.52E-04	-1.40E-04	450	0.00222222
0.03489158	0.05082906	-2.22E-04	-1.17E-04	556.705203	0.00222222
0.03394038	0.04913946	-2.09E-04	-1.15E-04	450	0.00222222
0.03750205	0.05101108	-2.36E-04	-1.33E-04	450	0.00222222
0.03456933	0.04910845	-2.17E-04	-1.18E-04	378.570562	0.00222222
0.03555711	0.05047384	-2.23E-04	-1.23E-04	450	0.00222222
0.03460256	0.04960217	-2.16E-04	-1.20E-04	450	0.00222222
0.03718857	0.05227309	-2.39E-04	-1.35E-04	450	0.00222222
0.03300175	0.05006703	-2.08E-04	-9.88E-05	314.904323	0.00222222
0.03353807	0.04856974	-2.17E-04	-1.10E-04	450	0.00222222
0.03526892	0.05075173	-2.24E-04	-1.16E-04	450	0.00222222
0.03816011	0.05335591	-2.62E-04	-1.47E-04	450	0.00222222
0.03450166	0.04960264	-2.17E-04	-1.10E-04	450	0.00222222
0.03730033	0.05249811	-2.47E-04	-1.40E-04	450	0.00222222
0.03518997	0.04938932	-2.22E-04	-1.19E-04	391.638734	0.00222222
0.03449811	0.04988579	-2.13E-04	-1.14E-04	450	0.00222222
0.03751844	0.05177364	-2.32E-04	-1.35E-04	450	0.00222222
0.03420818	0.05021501	-2.17E-04	-1.15E-04	450	0.00222222
0.03370825	0.05002695	-2.17E-04	-1.18E-04	880.995747	0.00222222
0.03398108	0.04935816	-2.07E-04	-1.03E-04	450	0.00222222
0.03548433	0.05080046	-2.33E-04	-1.26E-04	521.812873	0.00222222
0.03584264	0.05124709	-2.37E-04	-1.28E-04	450	0.00222222
0.0394125	0.05328602	-2.57E-04	-1.53E-04	450	0.00222222

0.03610955	0.05166352	-2.30E-04	-1.27E-04	450	0.00222222
0.03449468	0.04928814	-2.07E-04	-1.06E-04	450	0.00222222
0.03586359	0.05034258	-2.23E-04	-1.17E-04	450	0.00222222
0.03664298	0.05057294	-2.26E-04	-1.31E-04	450	0.00222222
0.03966733	0.05436984	-2.52E-04	-1.52E-04	450	0.00222222
0.03696492	0.05194608	-2.42E-04	-1.36E-04	550.008593	0.00222222
0.03473661	0.05116195	-2.25E-04	-1.19E-04	450	0.00222222
0.03396117	0.04974473	-2.13E-04	-1.12E-04	807.648339	0.00222222
0.03423643	0.04864326	-2.16E-04	-1.20E-04	450	0.00222222
0.03419408	0.05010593	-2.32E-04	-1.25E-04	450	0.00222222
0.03400838	0.05022352	-2.24E-04	-1.14E-04	450	0.00222222
0.03672175	0.05052024	-2.38E-04	-1.33E-04	450	0.00222222
0.03501089	0.05027262	-2.15E-04	-1.15E-04	404.926574	0.00222222
0.03633368	0.05241244	-2.33E-04	-1.26E-04	450	0.00222222
0.03642773	0.05178856	-2.32E-04	-1.23E-04	450	0.00222222
0.04665005	0.05314922	-2.36E-04	-1.93E-04	450	0.00222222
0.04864335	0.05464942	-2.47E-04	-2.08E-04	450	0.00222222
0.04876905	0.05469846	-2.52E-04	-2.11E-04	521.323261	0.00222222
0.04704992	0.05301191	-2.36E-04	-1.95E-04	450	0.00222222
0.04618789	0.05285666	-2.29E-04	-1.89E-04	450	0.00222222
0.04969209	0.05719368	-2.67E-04	-2.21E-04	450	0.00222222
0.04967821	0.05721756	-2.74E-04	-2.26E-04	450	0.00222222
0.04913751	0.05600305	-2.61E-04	-2.18E-04	563.187218	0.00222222
0.0486015	0.05477977	-2.50E-04	-2.09E-04	450	0.00222222
0.04494625	0.05158758	-2.24E-04	-1.81E-04	450	0.00222222
0.04699805	0.05365212	-2.38E-04	-1.95E-04	450	0.00222222
0.04580066	0.05179118	-2.28E-04	-1.90E-04	450	0.00222222
0.04817706	0.05419688	-2.44E-04	-2.05E-04	450	0.00222222
0.04954301	0.05692413	-2.67E-04	-2.20E-04	450	0.00222222
0.04850932	0.05459116	-2.49E-04	-2.06E-04	390.087455	0.00222222
0.0464351	0.05261462	-2.33E-04	-1.92E-04	450	0.00222222
0.04658676	0.05237174	-2.31E-04	-1.91E-04	450	0.00222222
0.04668336	0.05328778	-2.36E-04	-1.95E-04	450	0.00222222
0.04595382	0.05156247	-2.27E-04	-1.88E-04	450	0.00222222
0.04952991	0.05632953	-2.60E-04	-2.14E-04	450	0.00222222
0.0482787	0.05514206	-2.54E-04	-2.09E-04	539.857569	0.00222222
0.04773659	0.05463541	-2.48E-04	-2.06E-04	450	0.00222222
0.04971443	0.05689081	-2.67E-04	-2.18E-04	450	0.00222222
0.04832219	0.05505821	-2.48E-04	-2.01E-04	382.469079	0.00222222
0.04864218	0.0560318	-2.58E-04	-2.09E-04	450	0.00222222
0.04613748	0.05203435	-2.29E-04	-1.92E-04	450	0.00222222
0.05046031	0.05768719	-2.76E-04	-2.27E-04	450	0.00222222
0.04860526	0.05487006	-2.49E-04	-2.07E-04	634.248506	0.00222222

0.05053959	0.0568099	-2.67E-04	-2.23E-04	450	0.00222222
0.04882535	0.05574656	-2.59E-04	-2.13E-04	450	0.00222222
0.0443064	0.05050795	-2.14E-04	-1.73E-04	450	0.00222222
0.04584324	0.05230819	-2.33E-04	-1.90E-04	566.257095	0.00222222
0.04701296	0.05306902	-2.34E-04	-1.96E-04	307.958435	0.00222222
0.04666601	0.05338022	-2.41E-04	-1.97E-04	450	0.00222222
0.04638597	0.05250315	-2.32E-04	-1.93E-04	450	0.00222222
0.04764207	0.05448798	-2.50E-04	-2.06E-04	450	0.00222222
0.0497855	0.05737184	-2.71E-04	-2.22E-04	367.006486	0.00222222
0.04822954	0.05550557	-2.51E-04	-2.03E-04	450	0.00222222
0.04687088	0.05299313	-2.32E-04	-1.93E-04	450	0.00222222
0.0496428	0.05637507	-2.61E-04	-2.15E-04	450	0.00222222
0.04996287	0.05657508	-2.66E-04	-2.18E-04	450	0.00222222
0.04717582	0.05302158	-2.35E-04	-1.94E-04	856.685532	0.00222222
0.04804204	0.05434681	-2.49E-04	-2.06E-04	450	0.00222222
0.0493503	0.05599493	-2.64E-04	-2.20E-04	450	0.00222222
0.04891793	0.05549948	-2.55E-04	-2.10E-04	634.246232	0.00222222
0.04884073	0.05508138	-2.57E-04	-2.14E-04	450	0.00222222
0.0496347	0.05645019	-2.63E-04	-2.17E-04	450	0.00222222
0.04719039	0.0528169	-2.34E-04	-1.94E-04	560.859374	0.00222222
0.04562444	0.05224755	-2.32E-04	-1.89E-04	445.847986	0.00222222
0.04491731	0.05068836	-2.21E-04	-1.82E-04	450	0.00222222
0.04647824	0.05246981	-2.28E-04	-1.89E-04	450	0.00222222
0.04622425	0.05201222	-2.27E-04	-1.88E-04	450	0.00222222
0.04625475	0.05275047	-2.31E-04	-1.89E-04	450	0.00222222
0.04902509	0.05656468	-2.65E-04	-2.15E-04	450	0.00222222
0.04755161	0.0547379	-2.47E-04	-2.02E-04	450	0.00222222
0.04751683	0.05397712	-2.42E-04	-2.00E-04	450	0.00222222
0.05020842	0.05697463	-2.66E-04	-2.20E-04	450	0.00222222
0.04696922	0.05433375	-2.43E-04	-1.99E-04	574.368695	0.00222222
0.04931295	0.05646679	-2.65E-04	-2.18E-04	450	0.00222222
0.04457702	0.05032228	-2.16E-04	-1.77E-04	450	0.00222222
0.0496002	0.05697397	-2.65E-04	-2.19E-04	450	0.00222222
0.04861469	0.05504511	-2.52E-04	-2.08E-04	450	0.00222222
0.04653487	0.05260032	-2.32E-04	-1.91E-04	450	0.00222222
0.04573479	0.05175752	-2.22E-04	-1.84E-04	518.763189	0.00222222
0.04795909	0.05472631	-2.47E-04	-2.03E-04	450	0.00222222
0.04895429	0.05526342	-2.52E-04	-2.10E-04	450	0.00222222
0.04879275	0.05529701	-2.54E-04	-2.11E-04	450	0.00222222
0.0483783	0.05527152	-2.58E-04	-2.13E-04	450	0.00222222
0.04821524	0.05484943	-2.47E-04	-2.04E-04	450	0.00222222
0.04658646	0.0527102	-2.32E-04	-1.91E-04	435.016865	0.00222222
0.04662715	0.05241954	-2.33E-04	-1.95E-04	450	0.00222222

0.05120273	0.05836524	-2.80E-04	-2.33E-04	450	0.00222222
0.04611694	0.05228319	-2.32E-04	-1.91E-04	450	0.00222222
0.0455642	0.05174541	-2.22E-04	-1.81E-04	523.286644	0.00222222
0.04857161	0.05518525	-2.56E-04	-2.10E-04	383.756481	0.00222222
0.0488279	0.05540666	-2.58E-04	-2.15E-04	450	0.00222222
0.05026447	0.05612964	-2.60E-04	-2.18E-04	634.965647	0.00222222
0.04665275	0.0528957	-2.37E-04	-1.95E-04	450	0.00222222
0.04600079	0.05220705	-2.30E-04	-1.89E-04	366.737497	0.00222222
0.04721341	0.05464607	-2.50E-04	-2.03E-04	670.487813	0.00222222
0.04918825	0.05548927	-2.54E-04	-2.10E-04	389.988973	0.00222222
0.05004447	0.05828117	-2.77E-04	-2.26E-04	450	0.00222222
0.04629971	0.05304008	-2.34E-04	-1.92E-04	450	0.00222222
0.04594123	0.0522182	-2.31E-04	-1.92E-04	450	0.00222222
0.04882952	0.05593952	-2.57E-04	-2.11E-04	560.973667	0.00222222
0.04725943	0.05333292	-2.34E-04	-1.94E-04	450	0.00222222
0.045804	0.05213673	-2.29E-04	-1.89E-04	353.847488	0.00222222
0.04696432	0.05334287	-2.35E-04	-1.93E-04	450	0.00222222
0.04652803	0.05297448	-2.34E-04	-1.92E-04	450	0.00222222
0.05137435	0.05891594	-2.91E-04	-2.41E-04	450	0.00222222
0.04494138	0.05068358	-2.15E-04	-1.78E-04	298.915941	0.00222222
0.05039328	0.05774426	-2.76E-04	-2.27E-04	450	0.00222222
0.05058081	0.05790381	-2.76E-04	-2.28E-04	1053.23326	0.00222222
0.04911889	0.05624551	-2.63E-04	-2.12E-04	450	0.00222222
0.04924098	0.05590896	-2.56E-04	-2.10E-04	450	0.00222222
0.048573	0.05479407	-2.50E-04	-2.09E-04	450	0.00222222
0.04582143	0.05198246	-2.24E-04	-1.81E-04	573.692207	0.00222222
0.04764937	0.05378511	-2.36E-04	-1.97E-04	450	0.00222222
0.04849151	0.05469576	-2.49E-04	-2.06E-04	248.26828	0.00222222
0.04878973	0.05487759	-2.52E-04	-2.13E-04	450	0.00222222
0.04640999	0.06435076	-4.05E-04	-2.78E-04	450	0.00222222
0.04156993	0.0609615	-3.89E-04	-2.52E-04	450	0.00222222
0.03788468	0.0594946	-3.80E-04	-2.23E-04	450	0.00222222
0.04341665	0.06283705	-4.03E-04	-2.68E-04	450	0.00222222
0.0403157	0.06000227	-3.94E-04	-2.52E-04	371.901672	0.00222222
0.04001818	0.06031719	-4.09E-04	-2.50E-04	406.105697	0.00222222
0.03994225	0.0611237	-4.04E-04	-2.54E-04	450	0.00222222
0.03892575	0.0596447	-3.96E-04	-2.47E-04	450	0.00222222
0.04338711	0.06257558	-4.05E-04	-2.71E-04	450	0.00222222
0.04334293	0.06190991	-3.90E-04	-2.57E-04	366.640505	0.00222222
0.04203487	0.06342192	-4.17E-04	-2.57E-04	528.188718	0.00222222
0.03750423	0.06016559	-4.01E-04	-2.39E-04	387.082476	0.00222222
0.0418476	0.06116581	-3.84E-04	-2.46E-04	381.238057	0.00222222
0.0361305	0.057523	-3.85E-04	-2.32E-04	450	0.00222222

0.04038235	0.06208318	-4.29E-04	-2.65E-04	450	0.00222222
0.04085609	0.06111949	-3.92E-04	-2.44E-04	450	0.00222222
0.03871226	0.05924864	-4.13E-04	-2.61E-04	345.887338	0.00222222
0.0363726	0.05787816	-3.95E-04	-2.37E-04	450	0.00222222
0.04432151	0.0645266	-4.24E-04	-2.73E-04	450	0.00222222
0.04001504	0.0622664	-4.09E-04	-2.51E-04	262.799425	0.00222222
0.04155678	0.0611523	-3.99E-04	-2.59E-04	363.32523	0.00222222
0.04306866	0.06272428	-3.98E-04	-2.61E-04	536.397102	0.00222222
0.04000359	0.06071253	-3.98E-04	-2.47E-04	450	0.00222222
0.04149093	0.06141937	-3.93E-04	-2.51E-04	348.78198	0.00222222
0.0358004	0.05773487	-3.98E-04	-2.42E-04	378.346312	0.00222222
0.04043633	0.0598215	-3.78E-04	-2.46E-04	390.165296	0.00222222
0.03625133	0.0578034	-3.78E-04	-2.31E-04	409.410598	0.00222222
0.0398332	0.06068899	-4.06E-04	-2.52E-04	450	0.00222222
0.04160201	0.06072289	-3.97E-04	-2.58E-04	450	0.00222222
0.04062677	0.06016107	-3.96E-04	-2.53E-04	450	0.00222222
0.03769582	0.05821742	-3.77E-04	-2.32E-04	295.531722	0.00222222
0.04390111	0.06109962	-3.84E-04	-2.64E-04	344.172119	0.00222222
0.0401679	0.06144051	-4.08E-04	-2.50E-04	352.506558	0.00222222
0.04267742	0.06193456	-3.92E-04	-2.56E-04	389.161349	0.00222222
0.04086226	0.0613322	-4.02E-04	-2.53E-04	383.680486	0.00222222
0.04083951	0.06022212	-3.81E-04	-2.39E-04	450	0.00222222
0.04221627	0.06241164	-4.04E-04	-2.63E-04	450	0.00222222
0.03773749	0.0594795	-4.04E-04	-2.43E-04	616.806869	0.00222222
0.03913096	0.06197327	-4.02E-04	-2.34E-04	373.863054	0.00222222
0.04114307	0.06168307	-4.06E-04	-2.56E-04	450	0.00222222
0.04417413	0.06320497	-3.97E-04	-2.59E-04	312.976925	0.00222222
0.04240544	0.06212499	-4.03E-04	-2.63E-04	450	0.00222222
0.04251612	0.06170712	-3.85E-04	-2.45E-04	450	0.00222222
0.04093388	0.06097094	-3.79E-04	-2.33E-04	450	0.00222222
0.03988083	0.06009558	-4.01E-04	-2.55E-04	450	0.00222222
0.0403308	0.06003864	-3.81E-04	-2.39E-04	450	0.00222222
0.04317176	0.0617096	-3.93E-04	-2.60E-04	385.210169	0.00222222
0.03974876	0.06133527	-4.06E-04	-2.46E-04	450	0.00222222
0.03845697	0.05939637	-3.91E-04	-2.30E-04	450	0.00222222
0.04011173	0.06089607	-4.03E-04	-2.50E-04	450	0.00222222
0.03899502	0.05909974	-3.84E-04	-2.34E-04	450	0.00222222
0.03898918	0.05970282	-3.77E-04	-2.28E-04	356.715529	0.00222222
0.03770801	0.05922384	-3.95E-04	-2.42E-04	450	0.00222222
0.04532521	0.06349356	-3.93E-04	-2.63E-04	450	0.00222222
0.04182863	0.06097589	-3.92E-04	-2.54E-04	450	0.00222222
0.04386038	0.06276457	-3.99E-04	-2.61E-04	450	0.00222222
0.03900593	0.06073752	-3.90E-04	-2.43E-04	450	0.00222222

0.04238353	0.06288832	-3.95E-04	-2.50E-04	450	0.00222222
0.04136132	0.06212024	-3.98E-04	-2.50E-04	250.58269	0.00222222
0.03913516	0.0594557	-3.79E-04	-2.43E-04	450	0.00222222
0.03700417	0.05883954	-4.00E-04	-2.37E-04	450	0.00222222
0.03885329	0.05990204	-3.87E-04	-2.37E-04	450	0.00222222
0.04261851	0.06239636	-4.01E-04	-2.57E-04	365.199253	0.00222222
0.03826542	0.06187249	-4.22E-04	-2.47E-04	542.677015	0.00222222
0.03947981	0.05810927	-3.76E-04	-2.38E-04	450	0.00222222
0.03771624	0.0583316	-3.85E-04	-2.31E-04	384.938792	0.00222222
0.04295659	0.06262406	-4.18E-04	-2.72E-04	450	0.00222222
0.03788809	0.06086938	-3.94E-04	-2.31E-04	450	0.00222222
0.04117832	0.0609488	-3.83E-04	-2.42E-04	219.082623	0.00222222
0.03961675	0.06173177	-4.19E-04	-2.55E-04	352.184915	0.00222222
0.0423433	0.06198804	-3.97E-04	-2.54E-04	450	0.00222222
0.04223372	0.06201693	-3.99E-04	-2.61E-04	358.139487	0.00222222
0.04013114	0.05986747	-3.85E-04	-2.47E-04	450	0.00222222
0.03932394	0.05954651	-3.80E-04	-2.32E-04	298.884075	0.00222222
0.03813603	0.05988706	-3.80E-04	-2.18E-04	388.352039	0.00222222
0.04442016	0.06249964	-3.83E-04	-2.57E-04	450	0.00222222
0.042864	0.06325005	-4.08E-04	-2.56E-04	450	0.00222222
0.0381687	0.06081784	-4.02E-04	-2.36E-04	450	0.00222222
0.03976118	0.05913733	-3.75E-04	-2.34E-04	311.459153	0.00222222
0.03774813	0.05971111	-3.82E-04	-2.29E-04	387.467947	0.00222222
0.04309331	0.06215728	-3.88E-04	-2.58E-04	450	0.00222222
0.04056785	0.06386291	-4.23E-04	-2.54E-04	433.153124	0.00222222
0.03869912	0.05901741	-3.96E-04	-2.44E-04	450	0.00222222
0.03929731	0.06017915	-4.05E-04	-2.42E-04	450	0.00222222
0.04573259	0.06363066	-4.02E-04	-2.76E-04	340.689014	0.00222222
0.03940662	0.05977047	-3.78E-04	-2.33E-04	513.919383	0.00222222
0.04124537	0.06384094	-4.25E-04	-2.60E-04	450	0.00222222
0.03788106	0.05985406	-3.99E-04	-2.31E-04	450	0.00222222
0.03928542	0.06127215	-4.06E-04	-2.41E-04	450	0.00222222
0.04309515	0.06321462	-4.13E-04	-2.72E-04	358.340591	0.00222222
0.04052064	0.06135032	-3.86E-04	-2.45E-04	450	0.00222222
0.0404697	0.06115405	-3.96E-04	-2.41E-04	340.123822	0.00222222
0.04085172	0.06247466	-4.16E-04	-2.58E-04	450	0.00222222
0.04327672	0.06210724	-3.95E-04	-2.62E-04	427.783525	0.00222222
0.04167599	0.06014176	-3.83E-04	-2.53E-04	450	0.00222222
0.04618746	0.06364348	-3.90E-04	-2.72E-04	360.475888	0.00222222
0.03944473	0.06077199	-3.89E-04	-2.34E-04	450	0.00222222
0.04162461	0.06175338	-4.11E-04	-2.60E-04	450	0.00222222
0.04157339	0.06048059	-3.86E-04	-2.57E-04	450	0.00222222
0.0409998	0.06200162	-3.83E-04	-2.44E-04	450	0.00222222

0.14593984	0.24746009	-0.0067051	-0.00299487	536.25371	0.00222222
0.13947196	0.27271606	-0.00848202	-0.00308919	450	0.00222222
0.13953414	0.24377272	-0.00717349	-0.00259498	450	0.00222222
0.12868027	0.24906869	-0.00722279	-0.00245375	450	0.00222222
0.14725743	0.25195296	-0.00728584	-0.00318976	450	0.00222222
0.19107612	0.29885966	-0.0094846	-0.00479779	450	0.00222222
0.13839484	0.25093544	-0.00723958	-0.00277244	450	0.00222222
0.12679036	0.22892436	-0.00605476	-0.00199679	450	0.00222222
0.13776775	0.25814116	-0.00774212	-0.00246275	450	0.00222222
0.17170741	0.2976398	-0.00913935	-0.00379124	450	0.00222222
0.13823025	0.25862801	-0.00746019	-0.00253525	326.776794	0.00222222
0.15553651	0.26857228	-0.00825211	-0.00340857	450	0.00222222
0.15347549	0.26494803	-0.00720543	-0.00302481	450	0.00222222
0.16670494	0.27652306	-0.00836274	-0.00388094	450	0.00222222
0.15871598	0.26093891	-0.0079363	-0.00329281	450	0.00222222
0.15805867	0.26904903	-0.00813447	-0.00341177	450	0.00222222
0.13811553	0.25477446	-0.0075358	-0.00259512	450	0.00222222
0.15735457	0.28307881	-0.00924446	-0.00330752	450	0.00222222
0.11934787	0.24513501	-0.00681605	-0.00167437	450	0.00222222
0.13871653	0.25622498	-0.00762981	-0.00254309	673.936475	0.00222222
0.15836418	0.26120098	-0.00772896	-0.00309262	450	0.00222222
0.15858877	0.2753349	-0.00849109	-0.00331745	756.200521	0.00222222
0.13864247	0.24993078	-0.00713821	-0.00261428	450	0.00222222
0.15854115	0.27791328	-0.0091867	-0.00343003	516.336073	0.00222222
0.13859531	0.25269445	-0.0069113	-0.00229526	450	0.00222222
0.15085966	0.2684896	-0.00823067	-0.00318716	450	0.00222222
0.16378175	0.27605215	-0.0083896	-0.00367666	450	0.00222222
0.1437755	0.24908157	-0.00716095	-0.0029109	518.356773	0.00222222
0.14569083	0.25232018	-0.00711478	-0.00253618	450	0.00222222
0.147079	0.23971152	-0.00697133	-0.00304166	450	0.00222222
0.14662616	0.27048445	-0.00886571	-0.00349209	450	0.00222222
0.14562968	0.2518759	-0.00736943	-0.00317972	407.037816	0.00222222
0.14320668	0.24709528	-0.00719699	-0.00271709	450	0.00222222
0.14019396	0.25547752	-0.00744182	-0.00243757	538.432133	0.00222222
0.16351456	0.26400584	-0.00799707	-0.00349678	450	0.00222222
0.14041385	0.24537274	-0.00721815	-0.00283702	392.587703	0.00222222
0.20151892	0.31170102	-0.01068947	-0.00544846	637.356663	0.00222222
0.15036371	0.25783366	-0.00761348	-0.0033693	402.031568	0.00222222
0.14363142	0.24821219	-0.0069074	-0.00278887	450	0.00222222
0.15304627	0.27209826	-0.00843496	-0.00318882	341.25307	0.00222222
0.17206403	0.30106269	-0.00980994	-0.00399181	450	0.00222222
0.15333639	0.24623933	-0.00712128	-0.00342898	545.146692	0.00222222
0.15391818	0.25303802	-0.00742374	-0.00310057	450	0.00222222

0.12765906	0.25209246	-0.00840462	-0.00255857	450	0.00222222
0.15700318	0.27612421	-0.00906187	-0.00402585	450	0.00222222
0.15511597	0.26816609	-0.00794915	-0.00316169	368.113513	0.00222222
0.13346255	0.24405286	-0.00717154	-0.00205155	450	0.00222222
0.15611698	0.26877367	-0.00825387	-0.00334936	450	0.00222222
0.13856414	0.25354183	-0.00744022	-0.00219372	387.565934	0.00222222
0.15373466	0.28922426	-0.00959261	-0.00370495	450	0.00222222
0.14539051	0.2467725	-0.00710062	-0.00278909	450	0.00222222
0.12162841	0.22933764	-0.00605699	-0.00198823	450	0.00222222
0.13053435	0.24951837	-0.00732576	-0.00227422	450	0.00222222
0.13917504	0.2634222	-0.00805037	-0.0025862	450	0.00222222
0.13508375	0.2505277	-0.00712885	-0.00278567	450	0.00222222
0.14058152	0.25573784	-0.00800363	-0.00299465	450	0.00222222
0.15727866	0.26612275	-0.00793297	-0.00369964	450	0.00222222
0.17369467	0.28401898	-0.00897032	-0.00403441	558.439907	0.00222222
0.15070662	0.2553341	-0.0077266	-0.00307045	649.496821	0.00222222
0.16523032	0.27784819	-0.00889601	-0.00409379	450	0.00222222
0.17684508	0.29974821	-0.01039418	-0.00447198	450	0.00222222
0.16033483	0.27125483	-0.00820576	-0.00339842	379.94815	0.00222222
0.16225902	0.26226442	-0.00811724	-0.00362008	524.321044	0.00222222
0.13844989	0.2649557	-0.00849085	-0.00273904	384.559561	0.00222222
0.12035915	0.22541115	-0.00618994	-0.00200593	443.078713	0.00222222
0.11537503	0.21473951	-0.00569731	-0.00174726	450	0.00222222
0.15405317	0.2767026	-0.00832001	-0.00315644	450	0.00222222
0.13965146	0.26147378	-0.00767014	-0.0026272	450	0.00222222
0.17664246	0.29758998	-0.00930356	-0.0041655	744.129599	0.00222222
0.15740459	0.26060221	-0.00766173	-0.0032289	385.694352	0.00222222
0.12245456	0.24331872	-0.0074597	-0.00210088	505.887194	0.00222222
0.16412852	0.28291243	-0.00881401	-0.00374089	398.010847	0.00222222
0.15041955	0.25681176	-0.00741392	-0.00281505	450	0.00222222
0.11584192	0.24263747	-0.00754092	-0.00240626	450	0.00222222
0.19022059	0.30680212	-0.01009292	-0.00480769	450	0.00222222
0.12326271	0.2256669	-0.00585551	-0.00188474	450	0.00222222
0.14230368	0.24437528	-0.00689774	-0.0029804	362.344485	0.00222222
0.14885951	0.25878018	-0.00797785	-0.0031154	450	0.00222222
0.14085143	0.26830143	-0.00846429	-0.00287036	450	0.00222222
0.13375222	0.25481033	-0.00770977	-0.00212567	639.482914	0.00222222
0.14603216	0.23989401	-0.00674897	-0.00288552	450	0.00222222
0.16247742	0.27075142	-0.00829454	-0.00399544	605.426098	0.00222222
0.12667099	0.23429538	-0.00664277	-0.00207045	371.389738	0.00222222
0.17352771	0.28912005	-0.00887791	-0.00389177	450	0.00222222
0.14811549	0.26779889	-0.00811733	-0.00289196	450	0.00222222
0.13082847	0.24241736	-0.00736341	-0.00252193	450	0.00222222

0.14890281	0.26438978	-0.00793796	-0.00298377	450	0.00222222
0.14029646	0.24819538	-0.00685238	-0.00266337	380.985935	0.00222222
0.14620223	0.26034564	-0.00772543	-0.00322051	450	0.00222222
0.14967386	0.26750551	-0.00808919	-0.00297959	463.31597	0.00222222
0.12599183	0.23190515	-0.00651023	-0.00259497	325.991091	0.00222222
0.1203295	0.24048213	-0.00669055	-0.00228604	450	0.00222222
0.12356042	0.24510457	-0.00692747	-0.00213833	450	0.00222222
0.17837978	0.29269337	-0.01008207	-0.00441283	450	0.00222222
0.13262877	0.23380081	-0.00685101	-0.00286321	450	0.00222222
0.15618405	0.26512309	-0.00853691	-0.00346787	450	0.00222222
0.16043351	0.256979	-0.007481	-0.00328523	450	0.00222222
0.14212708	0.25936037	-0.0078429	-0.00319764	450	0.00222222
0.16154739	0.26405669	-0.007873	-0.0035255	385.671537	0.00222222
0.12749802	0.2326978	-0.00636143	-0.00223209	244.831897	0.00222222
0.0591242	0.09478576	-8.06E-04	-3.43E-04	450	0.00222222
0.07137079	0.10118455	-9.51E-04	-5.08E-04	450	0.00222222
0.06302422	0.09879181	-9.66E-04	-4.87E-04	450	0.00222222
0.06240157	0.09321641	-8.19E-04	-3.93E-04	481.504185	0.00222222
0.07147803	0.1034447	-0.0010001	-5.04E-04	450	0.00222222
0.06342647	0.0957285	-8.94E-04	-4.87E-04	450	0.00222222
0.0691114	0.10196586	-9.91E-04	-5.45E-04	450	0.00222222
0.06332078	0.09580686	-8.95E-04	-4.47E-04	450	0.00222222
0.07071983	0.10233275	-9.39E-04	-4.83E-04	522.390942	0.00222222
0.05761098	0.09122037	-7.69E-04	-3.75E-04	450	0.00222222
0.0571451	0.08863127	-7.53E-04	-3.70E-04	450	0.00222222
0.05887412	0.09171935	-7.66E-04	-3.28E-04	450	0.00222222
0.06960456	0.10234064	-9.22E-04	-4.55E-04	450	0.00222222
0.07277566	0.10719308	-0.00107875	-5.90E-04	450	0.00222222
0.05875751	0.08984323	-7.87E-04	-3.74E-04	535.191292	0.00222222
0.05482988	0.08362838	-6.99E-04	-3.05E-04	450	0.00222222
0.0587619	0.09020063	-8.10E-04	-4.04E-04	389.350991	0.00222222
0.0722682	0.10467793	-0.00103049	-5.90E-04	450	0.00222222
0.07376749	0.10449524	-9.92E-04	-5.37E-04	450	0.00222222
0.0601813	0.09288681	-8.72E-04	-4.37E-04	450	0.00222222
0.06422477	0.09532628	-9.34E-04	-4.78E-04	450	0.00222222
0.07264759	0.10612887	-0.00106107	-5.71E-04	450	0.00222222
0.05435803	0.08712293	-7.34E-04	-3.43E-04	517.550062	0.00222222
0.06521488	0.09583972	-8.78E-04	-4.43E-04	450	0.00222222
0.06243239	0.09229775	-7.87E-04	-3.87E-04	517.053411	0.00222222
0.07741723	0.11022666	-0.00111087	-6.26E-04	450	0.00222222
0.06379793	0.09485473	-8.76E-04	-4.43E-04	450	0.00222222
0.06787523	0.09851072	-9.52E-04	-5.15E-04	450	0.00222222
0.06797352	0.10219403	-0.00100329	-5.28E-04	450	0.00222222

0.07346663	0.10518693	-0.00102393	-5.29E-04	450	0.00222222
0.06592853	0.0972137	-8.69E-04	-4.54E-04	450	0.00222222
0.05544926	0.08527992	-7.00E-04	-3.44E-04	450	0.00222222
0.06347751	0.09715495	-9.85E-04	-5.07E-04	450	0.00222222
0.07107159	0.1006075	-9.41E-04	-5.22E-04	450	0.00222222
0.06748326	0.10326899	-9.76E-04	-4.88E-04	450	0.00222222
0.06880312	0.09838052	-8.89E-04	-4.84E-04	212.772412	0.00222222
0.06253451	0.09938139	-9.66E-04	-4.80E-04	522.699951	0.00222222
0.0598003	0.09086903	-7.68E-04	-3.73E-04	451.200185	0.00222222
0.05776881	0.08964574	-7.60E-04	-3.79E-04	507.85904	0.00222222
0.07367747	0.10561488	-9.95E-04	-5.36E-04	450	0.00222222
0.06517065	0.0990587	-9.32E-04	-4.71E-04	450	0.00222222
0.07958535	0.11068563	-0.00112529	-6.67E-04	473.313149	0.00222222
0.05605737	0.08867293	-7.55E-04	-3.43E-04	450	0.00222222
0.06997359	0.10077773	-9.68E-04	-5.17E-04	450	0.00222222
0.07015424	0.10249397	-9.92E-04	-5.50E-04	380.098213	0.00222222
0.06942256	0.10448858	-0.00100268	-5.04E-04	450	0.00222222
0.05788929	0.09199317	-8.41E-04	-4.21E-04	450	0.00222222
0.07577456	0.10735145	-0.00104946	-5.38E-04	450	0.00222222
0.05817182	0.08781021	-7.34E-04	-3.55E-04	450	0.00222222
0.06574629	0.09771733	-9.18E-04	-4.82E-04	450	0.00222222
0.06681909	0.09849704	-9.04E-04	-5.01E-04	450	0.00222222
0.06416766	0.09365271	-8.17E-04	-4.39E-04	336.41555	0.00222222
0.05934329	0.0914638	-8.00E-04	-3.61E-04	450	0.00222222
0.05960352	0.086881	-7.18E-04	-3.60E-04	362.836166	0.00222222
0.07886773	0.11124142	-0.00112061	-6.40E-04	516.171034	0.00222222
0.07002557	0.10130257	-0.00100152	-5.25E-04	380.211243	0.00222222
0.0614732	0.09288734	-8.14E-04	-3.93E-04	450	0.00222222
0.0559692	0.08760817	-7.14E-04	-3.15E-04	371.177254	0.00222222
0.07613964	0.11083743	-0.00115554	-6.08E-04	450	0.00222222
0.06786447	0.09863922	-9.63E-04	-5.18E-04	450	0.00222222
0.06349748	0.09608764	-8.36E-04	-4.02E-04	450	0.00222222
0.05542427	0.08750877	-7.26E-04	-3.14E-04	730.298208	0.00222222
0.07132117	0.10331613	-9.91E-04	-5.28E-04	450	0.00222222
0.05905501	0.08974307	-7.65E-04	-3.50E-04	450	0.00222222
0.06085703	0.0906595	-7.79E-04	-3.87E-04	450	0.00222222
0.07272081	0.10736318	-0.00109797	-5.95E-04	450	0.00222222
0.07895082	0.11307203	-0.00116578	-6.71E-04	450	0.00222222
0.07886511	0.11283058	-0.00109614	-6.02E-04	450	0.00222222
0.06983273	0.09965992	-9.23E-04	-5.11E-04	389.097463	0.00222222
0.05875125	0.09072939	-8.08E-04	-4.05E-04	450	0.00222222
0.07293934	0.1038404	-9.83E-04	-5.21E-04	450	0.00222222
0.07318162	0.10444483	-0.00100735	-5.45E-04	320.355666	0.00222222

0.056776	0.09346022	-8.41E-04	-3.74E-04	450	0.00222222
0.07256021	0.10097311	-9.27E-04	-4.82E-04	450	0.00222222
0.05459592	0.09066519	-7.54E-04	-3.26E-04	450	0.00222222
0.06834202	0.09806222	-9.10E-04	-4.71E-04	375.303629	0.00222222
0.05439507	0.08389944	-6.74E-04	-3.15E-04	333.949649	0.00222222
0.07367077	0.10794207	-0.0011128	-6.27E-04	566.262597	0.00222222
0.06901697	0.09952887	-9.37E-04	-5.22E-04	450	0.00222222
0.07683722	0.11258124	-0.00110142	-5.85E-04	516.826666	0.00222222
0.07295022	0.10546727	-0.00103077	-5.75E-04	567.192652	0.00222222
0.06765082	0.10117557	-9.91E-04	-5.81E-04	450	0.00222222
0.06880197	0.09988407	-9.25E-04	-5.20E-04	450	0.00222222
0.07701432	0.11197252	-0.00112452	-5.95E-04	546.10125	0.00222222
0.06025413	0.09074875	-7.35E-04	-3.88E-04	450	0.00222222
0.06543137	0.09744143	-9.00E-04	-5.02E-04	450	0.00222222
0.05667699	0.08383637	-7.06E-04	-3.34E-04	450	0.00222222
0.07144023	0.10785579	-0.00104448	-5.36E-04	450	0.00222222
0.05846993	0.0925898	-8.43E-04	-3.84E-04	450	0.00222222
0.0553111	0.08723884	-7.19E-04	-3.11E-04	450	0.00222222
0.07662053	0.11249426	-0.00115441	-6.60E-04	450	0.00222222
0.05656134	0.08620737	-7.18E-04	-3.47E-04	450	0.00222222
0.06730374	0.09953832	-9.35E-04	-4.74E-04	450	0.00222222
0.07367627	0.10470026	-0.00103572	-5.99E-04	477.125819	0.00222222
0.05760073	0.08942545	-7.43E-04	-3.71E-04	450	0.00222222
0.05906532	0.0917803	-8.58E-04	-4.21E-04	376.95076	0.00222222
0.07056846	0.1007448	-9.45E-04	-5.06E-04	450	0.00222222
0.06635554	0.09793274	-8.81E-04	-4.79E-04	542.724826	0.00222222
0.05510535	0.08775511	-7.08E-04	-2.99E-04	450	0.00222222
0.06155365	0.09232027	-7.98E-04	-3.86E-04	450	0.00222222
0.04319096	0.07447756	-5.52E-04	-3.07E-04	450	0.00222222
0.05326759	0.08232193	-6.23E-04	-3.77E-04	450	0.00222222
0.04179565	0.07190676	-5.23E-04	-2.85E-04	273.926453	0.00222222
0.04695906	0.0738773	-5.28E-04	-3.12E-04	432.203474	0.00222222
0.04826002	0.08115895	-6.11E-04	-3.40E-04	445.647577	0.00222222
0.0490845	0.07850148	-5.91E-04	-3.48E-04	450	0.00222222
0.05315555	0.08075527	-6.10E-04	-3.87E-04	450	0.00222222
0.04174779	0.0726452	-5.32E-04	-2.74E-04	450	0.00222222
0.05471712	0.08302614	-5.83E-04	-3.56E-04	386.410818	0.00222222
0.04132186	0.07138519	-4.99E-04	-2.66E-04	450	0.00222222
0.04427094	0.07569495	-5.84E-04	-3.37E-04	534.582746	0.00222222
0.04926597	0.07632421	-5.47E-04	-3.29E-04	450	0.00222222
0.04611756	0.07957438	-5.90E-04	-3.20E-04	450	0.00222222
0.04165347	0.07545217	-5.39E-04	-2.77E-04	450	0.00222222
0.05128062	0.08121612	-6.38E-04	-3.74E-04	527.424646	0.00222222

0.05003191	0.07891444	-5.94E-04	-3.46E-04	371.287855	0.00222222
0.04807809	0.08061811	-6.07E-04	-3.38E-04	450	0.00222222
0.0457632	0.07676275	-5.73E-04	-3.04E-04	450	0.00222222
0.04865082	0.07711784	-5.95E-04	-3.36E-04	450	0.00222222
0.04584087	0.07824667	-5.82E-04	-3.14E-04	450	0.00222222
0.05064632	0.07979514	-5.71E-04	-3.37E-04	450	0.00222222
0.05014665	0.07730432	-5.79E-04	-3.47E-04	450	0.00222222
0.04460062	0.07674705	-5.86E-04	-3.26E-04	389.622418	0.00222222
0.05129743	0.08072093	-5.90E-04	-3.51E-04	472.149445	0.00222222
0.03997757	0.07459723	-5.64E-04	-2.90E-04	450	0.00222222
0.04719103	0.07963995	-5.86E-04	-3.26E-04	450	0.00222222
0.04378908	0.07494761	-5.49E-04	-2.93E-04	543.775229	0.00222222
0.0498857	0.08358987	-6.45E-04	-3.64E-04	450	0.00222222
0.04752856	0.07992448	-5.85E-04	-3.23E-04	419.122472	0.00222222
0.04465337	0.07659518	-5.77E-04	-3.27E-04	506.030602	0.00222222
0.0513849	0.08367151	-6.34E-04	-3.51E-04	450	0.00222222
0.04407669	0.07057325	-4.83E-04	-2.75E-04	450	0.00222222
0.04989735	0.08001982	-6.10E-04	-3.62E-04	450	0.00222222
0.04804735	0.07770659	-5.84E-04	-3.34E-04	450	0.00222222
0.05026138	0.07999952	-5.81E-04	-3.43E-04	450	0.00222222
0.04411535	0.07674913	-5.63E-04	-3.04E-04	450	0.00222222
0.05188282	0.0810315	-5.99E-04	-3.61E-04	517.173872	0.00222222
0.04245387	0.07324739	-5.62E-04	-3.02E-04	450	0.00222222
0.05190669	0.07857266	-5.97E-04	-3.69E-04	450	0.00222222
0.05375443	0.08245556	-6.09E-04	-3.70E-04	443.368848	0.00222222
0.0417272	0.07596538	-5.80E-04	-3.06E-04	385.804988	0.00222222
0.04527958	0.07218229	-5.13E-04	-2.93E-04	450	0.00222222
0.04387103	0.07557702	-5.74E-04	-3.26E-04	450	0.00222222
0.0425286	0.07249365	-5.39E-04	-2.94E-04	450	0.00222222
0.0479894	0.07896211	-5.95E-04	-3.43E-04	450	0.00222222
0.05033847	0.07524375	-5.39E-04	-3.38E-04	450	0.00222222
0.04766361	0.07745079	-5.63E-04	-3.21E-04	450	0.00222222
0.04694514	0.07876644	-5.95E-04	-3.32E-04	565.930717	0.00222222
0.04695613	0.07977055	-5.94E-04	-3.32E-04	450	0.00222222
0.04506253	0.07699227	-6.03E-04	-3.39E-04	450	0.00222222
0.04604525	0.07920799	-6.21E-04	-3.43E-04	292.627149	0.00222222
0.05625716	0.08232407	-5.99E-04	-3.78E-04	450	0.00222222
0.05283629	0.08134546	-5.89E-04	-3.60E-04	450	0.00222222
0.0448697	0.07763997	-5.73E-04	-3.13E-04	450	0.00222222
0.04471502	0.07669186	-5.67E-04	-3.12E-04	450	0.00222222
0.04238154	0.0753288	-5.58E-04	-3.00E-04	450	0.00222222
0.04549205	0.07577042	-5.47E-04	-3.06E-04	760.322986	0.00222222
0.04125153	0.07349675	-5.38E-04	-2.83E-04	450	0.00222222

0.05531734	0.08092499	-5.81E-04	-3.66E-04	321.820515	0.00222222
0.04069068	0.07419268	-5.65E-04	-3.03E-04	657.318279	0.00222222
0.04704514	0.07459648	-5.09E-04	-2.89E-04	450	0.00222222
0.04540566	0.07778986	-5.64E-04	-2.84E-04	450	0.00222222
0.05067911	0.08319219	-6.19E-04	-3.58E-04	450	0.00222222
0.04169371	0.07240029	-4.87E-04	-2.43E-04	450	0.00222222
0.04732399	0.07855942	-6.09E-04	-3.50E-04	450	0.00222222
0.04689267	0.0789216	-5.75E-04	-3.14E-04	450	0.00222222
0.05041556	0.0772632	-5.61E-04	-3.27E-04	608.368415	0.00222222
0.04622096	0.08080598	-6.14E-04	-3.25E-04	450	0.00222222
0.05080205	0.0819722	-5.93E-04	-3.38E-04	657.963219	0.00222222
0.05206157	0.08117948	-6.10E-04	-3.63E-04	450	0.00222222
0.04785867	0.07984112	-5.89E-04	-3.31E-04	450	0.00222222
0.05079531	0.0830813	-6.34E-04	-3.60E-04	450	0.00222222
0.044966	0.07514896	-5.57E-04	-3.26E-04	450	0.00222222
0.04587136	0.07598547	-5.39E-04	-2.90E-04	450	0.00222222
0.0487062	0.08117644	-6.17E-04	-3.54E-04	435.390363	0.00222222
0.05032246	0.08024143	-0.00061163	-3.46E-04	450	0.00222222
0.05003765	0.07993476	-5.90E-04	-3.50E-04	450	0.00222222
0.0470671	0.07741756	-5.69E-04	-3.29E-04	450	0.00222222
0.04097439	0.07481436	-5.62E-04	-2.91E-04	450	0.00222222
0.04984654	0.07979722	-5.78E-04	-3.33E-04	450	0.00222222
0.04986811	0.0751372	-5.25E-04	-3.23E-04	450	0.00222222
0.040245	0.07451215	-5.72E-04	-3.01E-04	450	0.00222222
0.04705132	0.07903525	-6.03E-04	-3.35E-04	450	0.00222222
0.04821234	0.07921403	-5.86E-04	-3.34E-04	383.668822	0.00222222
0.05371154	0.0833332	-6.01E-04	-3.58E-04	515.761855	0.00222222
0.04601587	0.07336118	-5.07E-04	-2.83E-04	450	0.00222222
0.04679809	0.07813659	-5.82E-04	-3.04E-04	450	0.00222222
0.05120314	0.08052494	-5.94E-04	-3.51E-04	450	0.00222222
0.04490294	0.07659937	-5.85E-04	-3.16E-04	450	0.00222222
0.04723603	0.07547393	-5.15E-04	-2.99E-04	450	0.00222222
0.04974601	0.07622753	-5.17E-04	-2.99E-04	450	0.00222222
0.05455828	0.08310719	-6.21E-04	-3.76E-04	450	0.00222222
0.04398692	0.07442117	-5.79E-04	-3.27E-04	450	0.00222222
0.04005845	0.06808586	-4.80E-04	-2.59E-04	450	0.00222222
0.05035266	0.07868976	-5.73E-04	-3.47E-04	450	0.00222222
0.04643122	0.07422429	-5.25E-04	-3.00E-04	450	0.00222222
0.04542167	0.0749688	-5.34E-04	-3.03E-04	321.524127	0.00222222
0.04087487	0.07759007	-5.65E-04	-2.85E-04	450	0.00222222
0.05325116	0.08265493	-6.08E-04	-3.69E-04	450	0.00222222
0.04581188	0.07393984	-5.31E-04	-3.17E-04	450	0.00222222
0.12650328	0.22778153	-0.00571964	-0.00207929	450	0.00222222

0.15001419	0.25623589	-0.00733364	-0.0031857	450	0.00222222
0.14280968	0.27098374	-0.00820758	-0.00307842	450	0.00222222
0.15621686	0.27357909	-0.0073761	-0.00292154	453.59606	0.00222222
0.16529659	0.2825001	-0.00796793	-0.00373848	450	0.00222222
0.11721514	0.22927598	-0.00570691	-0.0021424	450	0.00222222
0.11229704	0.2327257	-0.00600358	-0.00194945	450	0.00222222
0.13214332	0.2531633	-0.00711989	-0.00260841	607.175568	0.00222222
0.16343606	0.27321352	-0.00802734	-0.00359772	331.291531	0.00222222
0.12136583	0.2359915	-0.00594157	-0.00195577	450	0.00222222
0.12777625	0.23800305	-0.00656471	-0.00270564	450	0.00222222
0.14488967	0.29730139	-0.0089846	-0.00331953	450	0.00222222
0.12307949	0.23815348	-0.00627089	-0.00233273	450	0.00222222
0.14046125	0.26046133	-0.00706637	-0.00274502	450	0.00222222
0.11876781	0.26015838	-0.00722797	-0.00196013	450	0.00222222
0.12021715	0.23009178	-0.00577769	-0.00205742	450	0.00222222
0.14128486	0.24547957	-0.0065447	-0.00291607	450	0.00222222
0.14291371	0.26080685	-0.00737367	-0.00296509	450	0.00222222
0.10988562	0.2468572	-0.00656918	-0.00190021	450	0.00222222
0.13512819	0.25301395	-0.00640403	-0.0024916	450	0.00222222
0.12792524	0.23675062	-0.0057955	-0.00222493	432.500607	0.00222222
0.11363728	0.23523387	-0.00643565	-0.00203406	450	0.00222222
0.09365428	0.23560588	-0.00625385	-0.00134407	528.09134	0.00222222
0.12142195	0.23908034	-0.00638779	-0.00209458	450	0.00222222
0.1213566	0.24645502	-0.00652866	-0.00243917	521.391088	0.00222222
0.12770104	0.24412689	-0.00633009	-0.00217698	450	0.00222222
0.12617832	0.24751515	-0.00675296	-0.00241151	450	0.00222222
0.15510022	0.24889142	-0.00650931	-0.00273483	450	0.00222222
0.11289638	0.2318995	-0.00585149	-0.00160046	334.648219	0.00222222
0.12902771	0.2541594	-0.00688416	-0.00249732	450	0.00222222
0.13298816	0.26385973	-0.0075213	-0.00214278	450	0.00222222
0.12641477	0.23943942	-0.00624068	-0.00213604	450	0.00222222
0.13462725	0.26540135	-0.00782931	-0.00240441	450	0.00222222
0.11141423	0.22818231	-0.00570447	-0.00192997	277.030232	0.00222222
0.14004971	0.23950879	-0.0059712	-0.00257151	834.400312	0.00222222
0.11705186	0.23406571	-0.00622116	-0.00202022	450	0.00222222
0.12159061	0.22667231	-0.00581089	-0.00231563	450	0.00222222
0.14789235	0.2652084	-0.00679805	-0.00288924	365.592764	0.00222222
0.10348052	0.20952651	-0.00499475	-0.00121448	450	0.00222222
0.12938241	0.2380378	-0.00565554	-0.00212031	450	0.00222222
0.13828112	0.25120298	-0.00701997	-0.00277643	450	0.00222222
0.12851779	0.24080581	-0.00607602	-0.00215367	473.70175	0.00222222
0.12349467	0.24248543	-0.0064172	-0.0021543	450	0.00222222
0.15318107	0.27094992	-0.00685635	-0.00287382	450	0.00222222

0.12721693	0.23889754	-0.00597012	-0.0021155	450	0.00222222
0.11972945	0.24796009	-0.00642291	-0.00225965	450	0.00222222
0.12214735	0.23719727	-0.00635333	-0.00222939	484.024661	0.00222222
0.10415698	0.22157359	-0.00527922	-0.00117587	450	0.00222222
0.14708991	0.2609327	-0.00754753	-0.00325707	450	0.00222222
0.12605368	0.25659276	-0.00735949	-0.00262161	450	0.00222222
0.14960656	0.27016641	-0.00764462	-0.00301934	555.364575	0.00222222
0.13207642	0.26274986	-0.00758428	-0.00289939	450	0.00222222
0.13158808	0.24952243	-0.00636418	-0.00221509	450	0.00222222
0.14521018	0.25704414	-0.00679596	-0.00273382	450	0.00222222
0.13850527	0.27121091	-0.00770731	-0.0025006	450	0.00222222
0.1603643	0.26998454	-0.00760416	-0.00334963	450	0.00222222
0.17768837	0.28278741	-0.00775735	-0.00357409	450	0.00222222
0.12926822	0.23129855	-0.00563034	-0.00195161	450	0.00222222
0.1414823	0.26081251	-0.00751215	-0.00285866	450	0.00222222
0.14088987	0.25516761	-0.00690297	-0.00288708	367.971885	0.00222222
0.13229976	0.24686466	-0.00662352	-0.00227394	514.76308	0.00222222
0.11647231	0.24515429	-0.00654753	-0.00195731	450	0.00222222
0.12680321	0.25493288	-0.00686941	-0.00223808	450	0.00222222
0.1376901	0.25557691	-0.00725534	-0.00301219	450	0.00222222
0.12629177	0.26560116	-0.00746535	-0.0024643	613.584284	0.00222222
0.11600263	0.22165941	-0.00554193	-0.00210155	798.15856	0.00222222
0.1029971	0.21738371	-0.0054674	-0.00133346	362.601424	0.00222222
0.12394144	0.22035098	-0.00560346	-0.00251692	982.563619	0.00222222
0.12222126	0.23897114	-0.0060089	-0.00215908	450	0.00222222
0.12061145	0.25996137	-0.00718429	-0.00192379	450	0.00222222
0.12929987	0.22234619	-0.00539262	-0.00218583	450	0.00222222
0.12237348	0.23008042	-0.0058756	-0.00214299	450	0.00222222
0.09735399	0.21896097	-0.00601465	-0.00146439	450	0.00222222
0.13938421	0.26008399	-0.0067414	-0.00238902	292.551386	0.00222222
0.11375727	0.22981062	-0.00594966	-0.0020004	550.543113	0.00222222
0.14534208	0.2412485	-0.00629515	-0.00299467	590.729396	0.00222222
0.13166136	0.22527356	-0.0053691	-0.00226074	450	0.00222222
0.11269049	0.23128906	-0.00589679	-0.0020638	450	0.00222222
0.11851176	0.23324651	-0.00618563	-0.00215273	450	0.00222222
0.13833572	0.26107036	-0.00709772	-0.00279633	450	0.00222222
0.1057028	0.22205804	-0.00549251	-0.001459	450	0.00222222
0.12324765	0.23853205	-0.00602838	-0.00223366	450	0.00222222
0.12299145	0.25000517	-0.0064211	-0.00182475	450	0.00222222
0.13566806	0.25615977	-0.00743807	-0.00267624	450	0.00222222
0.13570587	0.25654524	-0.00700224	-0.00275347	450	0.00222222
0.12804858	0.21937555	-0.00564351	-0.00225327	450	0.00222222
0.1088556	0.21947971	-0.00544017	-0.00143769	534.021562	0.00222222

0.10487241	0.22015944	-0.00568572	-0.00183774	372.180024	0.00222222
0.12348895	0.23170203	-0.00563397	-0.00195643	450	0.00222222
0.12782756	0.24069477	-0.00634329	-0.00217748	450	0.00222222
0.12087212	0.22473299	-0.00552621	-0.00194711	450	0.00222222
0.11532065	0.21857874	-0.00513644	-0.00166392	450	0.00222222
0.11376664	0.23030083	-0.00574729	-0.00181233	450	0.00222222
0.13881438	0.25716235	-0.00744035	-0.00306642	450	0.00222222
0.13924496	0.25593347	-0.00730384	-0.00261762	450	0.00222222
0.12599417	0.24934928	-0.00706545	-0.00252867	450	0.00222222
0.11718818	0.24138911	-0.00667052	-0.00217494	360.677147	0.00222222
0.1332821	0.26043116	-0.00721707	-0.00249808	450	0.00222222
0.14371674	0.26196932	-0.00661003	-0.00240303	450	0.00222222
0.09966828	0.22845289	-0.00595405	-0.00170846	450	0.00222222
0.035706	0.06249803	-3.32E-04	-1.49E-04	450	0.00222222
0.03161256	0.05766931	-3.01E-04	-1.17E-04	709.672365	0.00222222
0.03520093	0.06202726	-3.34E-04	-1.40E-04	450	0.00222222
0.03679324	0.06398737	-3.09E-04	-1.47E-04	278.785809	0.00222222
0.03679466	0.0615476	-3.16E-04	-1.57E-04	376.248419	0.00222222
0.03154595	0.05599237	-2.72E-04	-1.16E-04	450	0.00222222
0.0329077	0.05967883	-2.91E-04	-1.11E-04	450	0.00222222
0.03798774	0.06111006	-3.27E-04	-1.68E-04	450	0.00222222
0.03352725	0.05852582	-3.00E-04	-1.24E-04	310.377187	0.00222222
0.03730666	0.06318051	-3.28E-04	-1.55E-04	450	0.00222222
0.03392573	0.05876222	-2.91E-04	-1.28E-04	450	0.00222222
0.0331673	0.0616276	-3.34E-04	-1.43E-04	450	0.00222222
0.03283113	0.05988797	-3.09E-04	-1.25E-04	450	0.00222222
0.03338398	0.0590427	-2.99E-04	-1.31E-04	450	0.00222222
0.03485029	0.05987108	-3.04E-04	-1.32E-04	450	0.00222222
0.03414203	0.05905299	-3.13E-04	-1.46E-04	450	0.00222222
0.03198739	0.06243465	-3.35E-04	-1.37E-04	450	0.00222222
0.03195341	0.05989486	-3.01E-04	-1.23E-04	450	0.00222222
0.03205946	0.05728655	-2.96E-04	-1.29E-04	450	0.00222222
0.03281611	0.05602833	-2.79E-04	-1.25E-04	441.008434	0.00222222
0.03574105	0.06153113	-3.26E-04	-1.46E-04	411.547415	0.00222222
0.03072119	0.05847734	-3.06E-04	-1.34E-04	450	0.00222222
0.03127355	0.05850164	-2.97E-04	-1.26E-04	375.885884	0.00222222
0.02979787	0.05617945	-2.80E-04	-1.14E-04	450	0.00222222
0.03369714	0.06153061	-3.48E-04	-1.62E-04	363.910095	0.00222222
0.03414833	0.06159456	-3.36E-04	-1.43E-04	450	0.00222222
0.03418057	0.0605066	-3.03E-04	-1.19E-04	450	0.00444444
0.03750421	0.06126236	-3.14E-04	-1.45E-04	450	0.00222222
0.03090229	0.05646845	-2.78E-04	-1.21E-04	450	0.00222222
0.03170621	0.06042308	-2.96E-04	-1.17E-04	450	0.00222222

0.03212799	0.05965729	-2.97E-04	-1.27E-04	450	0.00222222
0.03276252	0.0604063	-3.13E-04	-1.34E-04	450	0.00222222
0.03762153	0.06282783	-3.35E-04	-1.63E-04	450	0.00222222
0.03035442	0.05643418	-2.86E-04	-1.20E-04	450	0.00222222
0.03123368	0.05736815	-2.89E-04	-1.07E-04	450	0.00222222
0.03539043	0.06099807	-3.12E-04	-1.39E-04	371.386988	0.00222222
0.03152992	0.06398505	-3.21E-04	-1.06E-04	435.568368	0.00222222
0.03332818	0.05860099	-2.91E-04	-1.35E-04	328.485718	0.00222222
0.03674467	0.06114069	-3.13E-04	-1.50E-04	450	0.00222222
0.03181385	0.05638564	-2.82E-04	-1.18E-04	450	0.00444444
0.03508287	0.06149014	-3.39E-04	-1.43E-04	399.759274	0.00222222
0.03808015	0.06241775	-3.27E-04	-1.45E-04	450	0.00222222
0.03082799	0.05935511	-2.94E-04	-1.22E-04	614.004878	0.00222222
0.03007445	0.05827525	-2.81E-04	-9.82E-05	450	0.00222222
0.0322983	0.05638085	-2.85E-04	-1.22E-04	592.969012	0.00222222
0.03505833	0.06105524	-3.25E-04	-1.40E-04	450	0.00222222
0.03555992	0.06346579	-3.40E-04	-1.64E-04	286.620588	0.00222222
0.03503351	0.05660155	-2.77E-04	-1.39E-04	450	0.00222222
0.03547767	0.06135531	-3.21E-04	-1.43E-04	450	0.00222222
0.0356913	0.0605252	-3.24E-04	-1.50E-04	450	0.00222222
0.03286375	0.06059802	-3.11E-04	-1.37E-04	450	0.00222222
0.03349711	0.05797096	-2.86E-04	-1.24E-04	450	0.00222222
0.03734099	0.06089228	-3.19E-04	-1.56E-04	569.011395	0.00222222
0.03225483	0.05974764	-3.17E-04	-1.32E-04	450	0.00222222
0.03472963	0.05884996	-2.99E-04	-1.35E-04	439.511425	0.00444444
0.03261269	0.06033651	-3.18E-04	-1.33E-04	526.778773	0.00222222
0.03521218	0.06115786	-3.28E-04	-1.47E-04	367.447292	0.00222222
0.03485124	0.06223062	-3.19E-04	-1.22E-04	567.407037	0.00222222
0.03586273	0.06388912	-3.32E-04	-1.46E-04	450	0.00222222
0.03185271	0.05712121	-3.01E-04	-1.32E-04	450	0.00222222
0.03404529	0.05891788	-2.89E-04	-1.24E-04	450	0.00222222
0.03644632	0.06213501	-3.06E-04	-1.29E-04	450	0.00222222
0.03336911	0.05937155	-2.81E-04	-1.17E-04	450	0.00222222
0.0307416	0.05841138	-2.98E-04	-1.25E-04	450	0.00222222
0.03419645	0.05934002	-3.15E-04	-1.42E-04	450	0.00222222
0.03298165	0.05939676	-3.10E-04	-1.29E-04	525.957959	0.00222222
0.03224852	0.05648148	-2.82E-04	-1.21E-04	450	0.00222222
0.02996806	0.05618853	-3.02E-04	-1.26E-04	526.237654	0.00222222
0.03434215	0.05960612	-3.05E-04	-1.36E-04	505.712829	0.00222222
0.03204453	0.05896938	-2.76E-04	-1.22E-04	450	0.00222222
0.03760619	0.06113084	-3.26E-04	-1.63E-04	450	0.00222222
0.0337826	0.05909271	-3.11E-04	-1.31E-04	450	0.00222222
0.03167162	0.05888382	-3.03E-04	-1.17E-04	561.111811	0.00222222

0.03306759	0.05823142	-3.04E-04	-1.33E-04	391.337485	0.00222222
0.03225498	0.0590636	-2.93E-04	-1.36E-04	450	0.00222222
0.03639203	0.06184064	-3.24E-04	-1.61E-04	450	0.00222222
0.03446317	0.05953014	-2.98E-04	-1.30E-04	450	0.00222222
0.03283591	0.05791211	-2.85E-04	-1.32E-04	390.906919	0.00222222
0.0333107	0.05853609	-2.79E-04	-1.30E-04	293.133056	0.00222222
0.03435502	0.06046507	-3.07E-04	-1.27E-04	450	0.00222222
0.03662882	0.06125752	-3.12E-04	-1.45E-04	450	0.00222222
0.03135942	0.06364964	-3.10E-04	-1.09E-04	331.105762	0.00222222
0.0333506	0.05562218	-2.76E-04	-1.31E-04	450	0.00222222
0.03261371	0.05919238	-3.00E-04	-1.20E-04	450	0.00222222
0.03113723	0.05800091	-3.03E-04	-1.32E-04	450	0.00222222
0.03164771	0.05795839	-2.88E-04	-1.25E-04	450	0.00222222
0.03600381	0.06209471	-3.14E-04	-1.41E-04	450	0.00222222
0.03616776	0.06423528	-3.42E-04	-1.71E-04	450	0.00222222
0.03433649	0.06232534	-3.34E-04	-1.40E-04	541.247297	0.00222222
0.03614183	0.05831266	-3.11E-04	-1.56E-04	450	0.00222222
0.03631074	0.05990361	-3.12E-04	-1.58E-04	450	0.00222222
0.03193249	0.05812654	-2.78E-04	-1.18E-04	450	0.00222222
0.03386827	0.0599165	-3.06E-04	-1.34E-04	450	0.00222222
0.0361246	0.06058856	-3.15E-04	-1.51E-04	485.88792	0.00222222
0.0351913	0.05953739	-2.86E-04	-1.32E-04	450	0.00222222
0.03145012	0.0570032	-2.80E-04	-1.12E-04	450	0.00222222
0.03012628	0.05804754	-2.95E-04	-1.18E-04	595.63173	0.00222222
0.03666112	0.06027165	-3.18E-04	-1.48E-04	450	0.00222222
0.03413626	0.06216065	-3.21E-04	-1.44E-04	450	0.00222222
0.03468588	0.06126036	-3.09E-04	-1.19E-04	450	0.00222222
0.04201701	0.05556553	-3.00E-04	-1.89E-04	450	0.00222222
0.04291171	0.05588983	-2.95E-04	-1.83E-04	450	0.00222222
0.04245885	0.05473296	-2.83E-04	-1.81E-04	450	0.00222222
0.04275815	0.05599835	-2.93E-04	-1.83E-04	346.133445	0.00222222
0.04432183	0.05751693	-3.05E-04	-1.94E-04	450	0.00222222
0.04099748	0.05384014	-2.74E-04	-1.68E-04	450	0.00222222
0.04347197	0.05634297	-3.08E-04	-1.93E-04	367.396661	0.00222222
0.042334	0.05431447	-2.75E-04	-1.78E-04	450	0.00222222
0.04234092	0.05483577	-2.89E-04	-1.80E-04	450	0.00222222
0.04302616	0.05549233	-3.02E-04	-2.01E-04	450	0.00222222
0.0432458	0.05594633	-2.94E-04	-1.92E-04	450	0.00222222
0.04342792	0.05739675	-3.11E-04	-1.91E-04	450	0.00222222
0.04407053	0.0578329	-3.16E-04	-1.98E-04	450	0.00222222
0.04305686	0.05654148	-2.98E-04	-1.90E-04	450	0.00222222
0.0425667	0.05417063	-2.77E-04	-1.81E-04	450	0.00222222
0.04486658	0.05796761	-3.18E-04	-2.05E-04	345.614946	0.00222222

0.04293383	0.05717517	-2.96E-04	-1.85E-04	450	0.00222222
0.0433744	0.05609252	-2.99E-04	-1.90E-04	450	0.00222222
0.04355712	0.05699121	-3.17E-04	-1.98E-04	522.263618	0.00222222
0.04598264	0.05915905	-3.27E-04	-2.13E-04	450	0.00222222
0.04423797	0.05631864	-3.09E-04	-2.01E-04	450	0.00222222
0.04183806	0.05465371	-2.83E-04	-1.81E-04	521.758302	0.00222222
0.04284187	0.05474128	-2.85E-04	-1.86E-04	450	0.00222222
0.04416479	0.05749666	-3.21E-04	-2.07E-04	450	0.00222222
0.04302553	0.05628258	-2.98E-04	-1.89E-04	450	0.00222222
0.04254503	0.0545146	-2.78E-04	-1.76E-04	450	0.00222222
0.04207581	0.05487947	-2.90E-04	-1.85E-04	450	0.00222222
0.0436714	0.05645031	-3.08E-04	-1.99E-04	450	0.00222222
0.04217619	0.05601515	-3.05E-04	-1.89E-04	450	0.00222222
0.04307001	0.05610287	-2.89E-04	-1.81E-04	450	0.00222222
0.0415913	0.05381837	-2.76E-04	-1.77E-04	450	0.00222222
0.04188966	0.05396218	-2.75E-04	-1.80E-04	450	0.00222222
0.04102282	0.05430699	-2.77E-04	-1.72E-04	450	0.00222222
0.04216918	0.05622136	-2.90E-04	-1.82E-04	450	0.00222222
0.04515624	0.05812309	-3.07E-04	-2.00E-04	450	0.00222222
0.04236253	0.05648361	-3.03E-04	-1.89E-04	450	0.00222222
0.04173022	0.05515751	-2.88E-04	-1.82E-04	572.530399	0.00222222
0.04377064	0.05624604	-2.98E-04	-1.90E-04	276.224199	0.00222222
0.04294786	0.05657787	-3.00E-04	-1.88E-04	567.756955	0.00222222
0.04272363	0.05497004	-2.81E-04	-1.81E-04	450	0.00222222
0.04191792	0.0553635	-2.96E-04	-1.85E-04	450	0.00222222
0.04141849	0.05429993	-2.81E-04	-1.79E-04	354.881218	0.00222222
0.04277564	0.05609479	-2.99E-04	-1.94E-04	450	0.00222222
0.04454921	0.05682242	-3.05E-04	-2.02E-04	450	0.00222222
0.04274386	0.05500792	-2.87E-04	-1.85E-04	450	0.00222222
0.04205493	0.05480153	-2.89E-04	-1.86E-04	450	0.00222222
0.04249281	0.05533808	-2.84E-04	-1.80E-04	450	0.00222222
0.04262198	0.05513528	-2.87E-04	-1.88E-04	450	0.00222222
0.04265779	0.05579587	-2.99E-04	-1.88E-04	380.446082	0.00222222
0.04226125	0.05497908	-2.92E-04	-1.87E-04	450	0.00222222
0.04119772	0.05309044	-2.77E-04	-1.76E-04	537.194812	0.00222222
0.04375199	0.05607323	-2.91E-04	-1.89E-04	339.563357	0.00222222
0.04229641	0.05488153	-2.74E-04	-1.77E-04	444.630646	0.00222222
0.04118051	0.05466808	-2.87E-04	-1.81E-04	391.739585	0.00222222
0.04336885	0.05559771	-2.92E-04	-1.93E-04	602.244671	0.00222222
0.04280701	0.05551102	-2.90E-04	-1.79E-04	450	0.00222222
0.0443751	0.05752035	-3.21E-04	-2.05E-04	450	0.00222222
0.04105658	0.0547732	-2.91E-04	-1.81E-04	715.557748	0.00222222
0.04512596	0.05824956	-3.19E-04	-2.06E-04	450	0.00222222

0.04340408	0.05432923	-2.78E-04	-1.85E-04	388.15197	0.00222222
0.04447914	0.05831411	-3.16E-04	-1.98E-04	450	0.00222222
0.04198806	0.054178	-2.83E-04	-1.80E-04	450	0.00222222
0.04352204	0.05629234	-2.89E-04	-1.82E-04	450	0.00222222
0.04147781	0.05402408	-2.72E-04	-1.70E-04	550.330889	0.00222222
0.04217421	0.05467815	-2.77E-04	-1.74E-04	392.73871	0.00222222
0.04258988	0.05477343	-2.80E-04	-1.82E-04	531.013435	0.00222222
0.0448886	0.05861435	-3.21E-04	-2.03E-04	311.75693	0.00222222
0.04102804	0.05479737	-2.92E-04	-1.82E-04	450	0.00222222
0.04164035	0.05330059	-2.74E-04	-1.76E-04	450	0.00222222
0.0423585	0.05550849	-2.95E-04	-1.87E-04	450	0.00222222
0.04155386	0.05442055	-2.78E-04	-1.69E-04	450	0.00222222
0.04684467	0.05931998	-3.25E-04	-2.17E-04	577.199897	0.00222222
0.04365174	0.05669499	-3.06E-04	-1.97E-04	450	0.00222222
0.04263031	0.0551468	-2.94E-04	-1.84E-04	414.049909	0.00222222
0.04387897	0.05665359	-2.99E-04	-1.97E-04	450	0.00222222
0.04170162	0.05540311	-3.08E-04	-1.87E-04	450	0.00222222
0.04335728	0.05563747	-2.88E-04	-1.89E-04	450	0.00222222
0.04079377	0.05410716	-2.78E-04	-1.62E-04	450	0.00222222
0.04234312	0.05523793	-2.88E-04	-1.84E-04	450	0.00222222
0.04332628	0.05618922	-3.12E-04	-1.96E-04	450	0.00222222
0.04322894	0.05576279	-2.96E-04	-1.95E-04	532.215411	0.00222222
0.0434704	0.05631447	-2.95E-04	-1.88E-04	446.258661	0.00222222
0.042085	0.05635012	-2.83E-04	-1.73E-04	450	0.00222222
0.04099249	0.05522377	-2.85E-04	-1.67E-04	450	0.00222222
0.04310125	0.05515003	-2.89E-04	-1.86E-04	450	0.00222222
0.0421708	0.05541259	-2.94E-04	-1.85E-04	450	0.00222222
0.04310438	0.05538572	-2.88E-04	-1.90E-04	285.33533	0.00222222
0.04355183	0.0551598	-2.92E-04	-1.93E-04	450	0.00222222
0.04397626	0.05657178	-3.17E-04	-2.04E-04	450	0.00222222
0.04283814	0.05519262	-2.87E-04	-1.82E-04	450	0.00222222
0.04315558	0.05743165	-3.07E-04	-1.90E-04	450	0.00222222
0.04252891	0.05590801	-3.04E-04	-1.90E-04	596.05778	0.00222222
0.0423604	0.05421207	-2.77E-04	-1.76E-04	450	0.00222222
0.04417807	0.05850847	-3.16E-04	-1.96E-04	603.309311	0.00222222
0.04482777	0.05827031	-3.16E-04	-2.01E-04	378.386259	0.00222222
0.04569052	0.05814125	-3.10E-04	-2.01E-04	450	0.00222222
0.04151623	0.05468452	-2.83E-04	-1.78E-04	450	0.00222222
0.04346834	0.05578308	-3.06E-04	-1.99E-04	450	0.00222222
0.04432465	0.05793683	-3.25E-04	-2.09E-04	450	0.00222222
0.04178705	0.05487399	-2.76E-04	-1.74E-04	450	0.00222222
0.03496769	0.04276229	-1.57E-04	-1.24E-04	668.353285	0.00222222
0.03364133	0.04342115	-1.57E-04	-1.17E-04	450	0.00222222

0.03272274	0.04184179	-1.56E-04	-1.17E-04	450	0.00222222
0.03470912	0.04282063	-1.56E-04	-1.21E-04	390.944304	0.00222222
0.03526371	0.04379452	-1.59E-04	-1.24E-04	450	0.00222222
0.03512045	0.04334153	-1.58E-04	-1.24E-04	368.056569	0.00222222
0.03457455	0.04255312	-1.61E-04	-1.26E-04	389.809796	0.00222222
0.03272632	0.04189979	-1.60E-04	-1.19E-04	450	0.00222222
0.03030803	0.04093732	-1.58E-04	-1.14E-04	450	0.00222222

asym_post_asym_lowerasym_upperasym_ess asym_pMCMC

0.24780273	0.21467128	0.27553952	541.869128	0.00222222
0.24635786	0.20780925	0.27354348	450	0.00222222
0.2422168	0.20761286	0.2744455	450	0.00222222
0.24383637	0.21107448	0.26891384	541.126116	0.00222222
0.2416912	0.20257123	0.27209069	536.278414	0.00222222
0.24796639	0.21495472	0.27714325	450	0.00222222
0.24365406	0.20806864	0.27062216	450	0.00222222
0.24644406	0.21829832	0.28013087	450	0.00222222
0.24149227	0.20964389	0.27337053	450	0.00222222
0.2457895	0.21159425	0.27394381	450	0.00222222
0.24051396	0.19381679	0.27203788	450	0.00222222
0.24257621	0.20527909	0.27734236	450	0.00222222
0.24441004	0.21704686	0.27137564	450	0.00222222
0.24178769	0.20801195	0.27226375	450	0.00222222
0.24446905	0.20749214	0.27281915	450	0.00222222
0.24267196	0.20896914	0.26782744	450	0.00222222
0.24178307	0.20317988	0.27026151	450	0.00222222
0.2473413	0.21362586	0.27670668	450	0.00222222
0.24405177	0.21133613	0.27535062	450	0.00222222
0.2433326	0.20600796	0.27275896	450	0.00222222
0.24359511	0.21653926	0.27213564	380.876793	0.00222222
0.2458322	0.20949924	0.27696448	450	0.00222222
0.24930004	0.21812764	0.27615428	353.288586	0.00222222
0.24582327	0.20859518	0.28460787	365.641972	0.00222222
0.24554263	0.20670156	0.27502147	450	0.00222222
0.24471606	0.21029454	0.273719	450	0.00222222
0.2489738	0.21988095	0.27959394	450	0.00222222
0.24621595	0.21584619	0.2796357	450	0.00222222
0.24176347	0.207811	0.26809578	450	0.00222222
0.24812743	0.21437277	0.27922143	450	0.00222222
0.24439156	0.20820699	0.27270528	450	0.00222222
0.24122718	0.20252213	0.2662777	450	0.00222222
0.24348176	0.21198224	0.27996864	355.337568	0.00222222
0.24371283	0.20718824	0.27567867	707.846983	0.00222222
0.24407457	0.206298	0.27050363	450	0.00222222
0.24616198	0.21245843	0.27662745	450	0.00222222
0.24532646	0.2094911	0.27742109	450	0.00222222
0.24320064	0.20758206	0.27063292	450	0.00222222
0.24593889	0.21130844	0.27220429	450	0.00222222
0.24187048	0.19916082	0.27311255	450	0.00222222
0.24602954	0.20707076	0.27373542	450	0.00222222
0.24051872	0.20698769	0.27373692	450	0.00222222

0.24748352	0.20929485	0.27752174	524.463284	0.00222222
0.24383101	0.21392124	0.27463979	450	0.00222222
0.24362037	0.21501892	0.27582382	450	0.00222222
0.24457564	0.21014798	0.27703995	450	0.00222222
0.24414773	0.21505929	0.2755268	450	0.00222222
0.24203858	0.20385593	0.27655512	450	0.00222222
0.2414423	0.20699017	0.27329604	526.523359	0.00222222
0.24473091	0.20736477	0.2713477	450	0.00222222
0.24743836	0.20376009	0.27447275	545.198669	0.00222222
0.24210692	0.20460241	0.27522004	450	0.00222222
0.24502439	0.21183685	0.28091759	450	0.00222222
0.23897394	0.20266189	0.27443949	450	0.00222222
0.24328599	0.20359172	0.27377072	450	0.00222222
0.24274481	0.21283287	0.27104374	380.141175	0.00222222
0.23744664	0.19567664	0.2684591	450	0.00222222
0.24897772	0.21645442	0.28025286	450	0.00222222
0.24108994	0.20449097	0.27450292	450	0.00222222
0.24802195	0.2178172	0.27701367	450	0.00222222
0.24362769	0.2052605	0.27235745	628.000378	0.00222222
0.24478023	0.21370054	0.27691128	300.033822	0.00222222
0.24936785	0.20889237	0.28263745	450	0.00222222
0.2402793	0.20658268	0.27521759	450	0.00222222
0.24362393	0.2055139	0.26994259	450	0.00222222
0.24814953	0.21409736	0.27478577	450	0.00222222
0.2451619	0.20577806	0.27644589	450	0.00222222
0.24567571	0.21425092	0.27600459	450	0.00222222
0.24235627	0.20816955	0.27568956	450	0.00222222
0.24729372	0.21290981	0.27874358	450	0.00222222
0.24297234	0.2115893	0.27374934	450	0.00222222
0.24414729	0.20602244	0.27384835	450	0.00222222
0.24382204	0.20793357	0.27107343	450	0.00222222
0.24950407	0.21840989	0.28287108	450	0.00222222
0.24087968	0.20623517	0.26647532	450	0.00222222
0.24785143	0.20833917	0.27940049	450	0.00222222
0.24349498	0.21305716	0.27543259	572.514582	0.00222222
0.23995224	0.20608658	0.2671915	450	0.00222222
0.24624024	0.21133432	0.27324162	450	0.00222222
0.23896836	0.20057116	0.27013831	450	0.00222222
0.24066506	0.20803419	0.26888111	529.204337	0.00222222
0.24449568	0.21463269	0.27697537	563.06046	0.00222222
0.24642868	0.2114755	0.27305978	450	0.00222222
0.24172783	0.20342041	0.2720208	299.495693	0.00222222
0.24814201	0.20942331	0.28138044	450	0.00222222

0.24309537	0.20697171	0.27493518	578.879183	0.00222222
0.24183648	0.20807987	0.2738026	450	0.00222222
0.2428401	0.20304343	0.27794556	450	0.00222222
0.24303944	0.2082085	0.271727	450	0.00222222
0.24794485	0.21299939	0.27513629	450	0.00222222
0.24482173	0.21416252	0.27825564	624.021114	0.00222222
0.24144026	0.20247859	0.2726803	450	0.00222222
0.24305466	0.20928426	0.27563865	536.608648	0.00222222
0.24244554	0.20909391	0.27470927	450	0.00222222
0.24541925	0.20480603	0.27304174	557.290712	0.00222222
0.24393399	0.21270828	0.27437991	450	0.00222222
0.24882084	0.2184191	0.28390601	450	0.00222222
0.2435867	0.20763307	0.27175734	450	0.00222222
0.24821074	0.208497	0.27985024	450	0.00222222
0.24302331	0.2048109	0.27980915	256.990476	0.00222222
0.17819616	0.13147567	0.21488513	450	0.00222222
0.16903593	0.11615347	0.20914305	450	0.00222222
0.16272007	0.10531428	0.20570891	450	0.00222222
0.16914001	0.13274298	0.21513118	545.076583	0.00222222
0.16999619	0.12864664	0.21136972	751.172846	0.00222222
0.17132907	0.12204067	0.21663118	450	0.00222222
0.16183277	0.10769313	0.20618341	389.369605	0.00222222
0.17970971	0.13742514	0.21683408	516.361044	0.00222222
0.17266963	0.1346265	0.22312561	464.744729	0.00222222
0.18083885	0.13151152	0.21562435	450	0.00222222
0.19253004	0.15303276	0.22987951	540.463819	0.00222222
0.18897456	0.14215082	0.22387178	450	0.00222222
0.1699586	0.13042583	0.21069431	450	0.00222222
0.17295202	0.11888382	0.21657631	518.710569	0.00222222
0.1738275	0.12682429	0.21637562	450	0.00222222
0.17773745	0.14183409	0.21427934	470.312879	0.00222222
0.18373295	0.13931185	0.21899748	450	0.00222222
0.16958892	0.13162539	0.21192905	450	0.00222222
0.17854434	0.14273625	0.21413368	581.868231	0.00222222
0.18708547	0.14582165	0.23279623	379.208694	0.00222222
0.19128853	0.14943019	0.23628745	450	0.00222222
0.17446951	0.12625831	0.21284213	269.423464	0.00222222
0.17910719	0.13144737	0.21869611	403.083575	0.00222222
0.17570631	0.1322513	0.22089616	450	0.00222222
0.16467569	0.12501588	0.21196245	450	0.00222222
0.18681519	0.15341312	0.22956692	341.155057	0.00222222
0.18260527	0.14132217	0.22432348	632.915985	0.00222222
0.18092663	0.1400448	0.22421533	450	0.00222222

0.17953146	0.13547272	0.22658559	450	0.00222222
0.18017484	0.14031326	0.22323524	450	0.00222222
0.18349744	0.13991894	0.21579665	450	0.00222222
0.17119805	0.12531363	0.2177453	524.937845	0.00222222
0.1853121	0.14613801	0.22857549	541.060294	0.00222222
0.17470624	0.13035353	0.21912529	450	0.00222222
0.18282155	0.14356383	0.22359321	450	0.00222222
0.1835673	0.13773699	0.21865063	664.321404	0.00222222
0.16446158	0.10931158	0.20517777	483.249653	0.00222222
0.18574252	0.13803166	0.22729983	450	0.00222222
0.18599004	0.14470617	0.22465489	450	0.00222222
0.18263278	0.13650285	0.22358481	366.676558	0.00222222
0.1765207	0.1303699	0.22015869	450	0.00222222
0.18391482	0.14338383	0.22398835	450	0.00222222
0.19283102	0.15264848	0.2303392	619.855689	0.00222222
0.17729083	0.13526773	0.21880427	450	0.00222222
0.16182415	0.12182428	0.21029145	450	0.00222222
0.17878428	0.13222795	0.22198327	450	0.00222222
0.18969614	0.1483107	0.2327593	450	0.00222222
0.18069922	0.14230244	0.22187378	450	0.00222222
0.17588294	0.13032187	0.21161253	291.974661	0.00222222
0.19636659	0.15887202	0.23659687	450	0.00222222
0.18979373	0.14923061	0.2308504	385.026902	0.00222222
0.18358454	0.14498006	0.2259	450	0.00222222
0.17517108	0.14090384	0.21642921	579.397001	0.00222222
0.17648452	0.12706698	0.21485834	450	0.00222222
0.1761714	0.12852134	0.21890932	520.9981	0.00222222
0.16423159	0.11351305	0.20787565	450	0.00222222
0.18078821	0.13747587	0.22693028	450	0.00222222
0.18051596	0.13939534	0.22352867	450	0.00222222
0.16923478	0.12357414	0.21438862	450	0.00222222
0.17391124	0.1370302	0.21705081	450	0.00222222
0.17592342	0.12243243	0.21831457	289.694755	0.00222222
0.16704505	0.11415832	0.20508987	450	0.00222222
0.18226078	0.13915814	0.2176723	450	0.00222222
0.18664049	0.14644727	0.22421709	530.444658	0.00222222
0.17937387	0.13806592	0.2235589	528.197937	0.00222222
0.17785284	0.13951652	0.22688393	358.652433	0.00222222
0.16546948	0.12273332	0.20839627	450	0.00222222
0.17658751	0.12960674	0.21511309	450	0.00222222
0.17487415	0.12999655	0.21264416	318.176216	0.00222222
0.18400686	0.14572768	0.22735973	533.364571	0.00222222
0.17056008	0.12709823	0.21682518	450	0.00222222

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0.17159675	0.13317588	0.21604004	573.613505	0.00222222
0.18956429	0.15591866	0.23139242	450	0.00222222
0.16009	0.11174322	0.2029075	450	0.00222222
0.16653366	0.11995271	0.20741007	450	0.00222222
0.17908749	0.13506787	0.22680359	450	0.00222222
0.16644704	0.123475	0.21228113	450	0.00222222
0.18546461	0.14162242	0.22152642	450	0.00222222
0.18621465	0.14402433	0.23055047	538.846094	0.00222222
0.18565322	0.14578767	0.22790087	450	0.00222222
0.16918163	0.12249595	0.21851776	383.509775	0.00222222
0.17077878	0.11935373	0.21214635	389.788377	0.00222222
0.1812044	0.1400206	0.22026515	450	0.00222222
0.18063164	0.13792155	0.22756286	450	0.00222222
0.18616979	0.1463655	0.22212516	450	0.00222222
0.17203958	0.12922753	0.21564087	450	0.00222222
0.17299539	0.13018649	0.21260878	450	0.00222222
0.17735425	0.13217883	0.21731584	450	0.00222222
0.1701094	0.10929229	0.2082125	559.487454	0.00222222
0.18331172	0.1449251	0.21945999	450	0.00222222
0.18288461	0.13715873	0.22806062	450	0.00222222
0.16873401	0.12713363	0.21714796	450	0.00222222
0.18049402	0.13662488	0.22019512	450	0.00222222
0.17122557	0.12082423	0.21239075	450	0.00222222
0.18806237	0.13793556	0.22774724	450	0.00222222
0.18174986	0.14410494	0.22192125	450	0.00222222
0.17077707	0.12654095	0.21340944	467.825348	0.00222222
0.1866593	0.14470609	0.22916115	450	0.00222222
0.18242141	0.132446	0.21985687	496.124378	0.00222222
0.20607139	0.1653871	0.24079806	377.163213	0.00222222
0.1978575	0.16004637	0.2372135	450	0.00222222
0.19361182	0.15139563	0.23173515	591.730252	0.00222222
0.1979192	0.16224637	0.23568434	450	0.00222222
0.20191578	0.16892637	0.2426266	923.229853	0.00222222
0.19178423	0.14792697	0.23539358	450	0.00222222
0.19680506	0.15558971	0.2374876	450	0.00222222
0.19210733	0.15566759	0.23466062	433.414476	0.00222222
0.19889401	0.15670128	0.23357595	450	0.00222222
0.20195538	0.16304899	0.23574598	450	0.00222222
0.19762831	0.15885318	0.24621204	450	0.00222222
0.18815978	0.14670661	0.23726842	450	0.00222222
0.19851937	0.15882846	0.23495526	450	0.00222222
0.18773944	0.14791773	0.22714511	450	0.00222222

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0.19715203	0.16135617	0.23616813	450	0.00222222
0.19507659	0.15397378	0.23834587	353.304406	0.00222222
0.19125988	0.14272645	0.23483426	450	0.00222222
0.19933271	0.15468437	0.23912848	450	0.00222222
0.19493522	0.15207429	0.23805209	450	0.00222222
0.19992894	0.16272484	0.24136807	450	0.00222222
0.19650124	0.15489425	0.23419399	450	0.00222222
0.19836045	0.16088177	0.24265036	450	0.00222222
0.20276833	0.16526355	0.24247553	450	0.00222222
0.19226304	0.15480193	0.23119998	414.936899	0.00222222
0.19693437	0.15883328	0.23542349	450	0.00222222
0.19609555	0.14775189	0.23629569	450	0.00222222
0.19452443	0.15833294	0.23375111	450	0.00222222
0.1978502	0.16392192	0.24017769	450	0.00222222
0.19617463	0.15669666	0.23079775	311.378353	0.00222222
0.1934587	0.1554814	0.23427427	450	0.00222222
0.19731546	0.16109043	0.23982866	515.875497	0.00222222
0.18466911	0.14569984	0.22860902	450	0.00222222
0.20290459	0.16221627	0.23933693	388.804888	0.00222222
0.19534322	0.15400865	0.23166469	450	0.00222222
0.19420766	0.15959718	0.23483099	450	0.00222222
0.19899277	0.15867826	0.23398057	450	0.00222222
0.19342003	0.15026053	0.23032394	450	0.00222222
0.19495008	0.15156735	0.23428596	450	0.00222222
0.19602109	0.15786448	0.24295706	522.757034	0.00222222
0.2024932	0.16458517	0.2393089	450	0.00222222
0.19467635	0.15872284	0.23398453	450	0.00222222
0.19941083	0.16035865	0.24068468	499.904002	0.00222222
0.19718089	0.16033189	0.23813802	359.385968	0.00222222
0.19294171	0.15411312	0.23515	390.05155	0.00222222
0.19293553	0.14735996	0.23151957	574.390151	0.00222222
0.20186627	0.15626216	0.23511249	402.184072	0.00222222
0.19061071	0.15118386	0.23759939	450	0.00222222
0.1969395	0.15466346	0.23883888	477.06763	0.00222222
0.192688	0.15455251	0.23303372	379.859055	0.00222222
0.19873211	0.16181618	0.23256528	540.340644	0.00222222
0.19691886	0.1565842	0.2368399	450	0.00222222
0.1886366	0.14761441	0.22869033	450	0.00222222
0.20181414	0.1622946	0.23754251	450	0.00222222
0.1968724	0.1577252	0.22861253	450	0.00222222
0.20178279	0.16094446	0.23921664	450	0.00222222
0.19621157	0.15394474	0.23196688	450	0.00222222

0.19961158	0.15328882	0.23434124	450	0.00222222
0.19940612	0.15857503	0.24034098	450	0.00222222
0.1947277	0.15550746	0.233679	450	0.00222222
0.19087752	0.14742471	0.23369534	450	0.00222222
0.19555089	0.15842411	0.23853885	450	0.00222222
0.20238224	0.16687074	0.24463746	450	0.00222222
0.19630453	0.15434039	0.2329174	450	0.00222222
0.19629265	0.15504743	0.23303748	450	0.00222222
0.1941844	0.14866706	0.23025636	450	0.00222222
0.19633962	0.16020233	0.23697428	617.954835	0.00222222
0.1980879	0.16293701	0.24666315	486.602236	0.00222222
0.19827915	0.16060521	0.23292048	450	0.00222222
0.18749663	0.14993254	0.22659753	368.18635	0.00222222
0.19589699	0.15745699	0.23154747	450	0.00222222
0.1989293	0.16506294	0.2384401	450	0.00222222
0.1964273	0.15919535	0.23525011	450	0.00222222
0.19271014	0.15174514	0.23406959	453.151843	0.00222222
0.19684281	0.15445774	0.23697174	450	0.00222222
0.20132576	0.16430184	0.23901691	450	0.00222222
0.19891846	0.16262635	0.23576906	450	0.00222222
0.19254648	0.15143371	0.23462475	450	0.00222222
0.19830624	0.15363909	0.23481964	450	0.00222222
0.19274153	0.15350004	0.23082231	450	0.00222222
0.20093468	0.15722324	0.23318294	450	0.00222222
0.1918573	0.14595507	0.22713159	548.095626	0.00222222
0.19352377	0.14947411	0.23267168	450	0.00222222
0.19488092	0.15072719	0.23133539	519.072067	0.00222222
0.2039125	0.16990922	0.24582672	390.043004	0.00222222
0.19595919	0.15282685	0.23742395	450	0.00222222
0.19808927	0.16079065	0.2428706	450	0.00222222
0.19168245	0.15271839	0.22745753	534.965731	0.00222222
0.1907788	0.15210958	0.23456407	450	0.00222222
0.19473468	0.15505609	0.23115386	450	0.00222222
0.19922134	0.15939103	0.24054776	450	0.00222222
0.19319279	0.15076355	0.23564017	516.805585	0.00222222
0.19784574	0.15326916	0.23708554	450	0.00222222
0.19831386	0.15499719	0.23117671	450	0.00222222
0.19603699	0.15547662	0.23839352	450	0.00222222
0.20824706	0.17128725	0.24521975	563.980905	0.00222222
0.19076612	0.15097823	0.23555799	520.22263	0.00222222
0.19125127	0.14946673	0.23260125	450	0.00222222
0.19878378	0.16069674	0.24103392	450	0.00222222
0.19633586	0.14878062	0.22951632	450	0.00222222

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0.39413655	0.2886343	0.50202889	450	0.00222222
0.40248112	0.30310077	0.4829581	450	0.00222222
0.39151821	0.29188995	0.47253376	450	0.00222222
0.37451781	0.26674187	0.47483015	450	0.00222222
0.36879908	0.26765071	0.45685867	450	0.00222222
0.38125607	0.27891534	0.45284528	373.496665	0.00222222
0.39428543	0.31241765	0.46537349	450	0.00222222
0.41739247	0.31680319	0.50108282	391.72308	0.00222222
0.39717305	0.30755991	0.47433719	450	0.00222222
0.40553349	0.31312194	0.48898973	515.576529	0.00222222
0.38423545	0.28439238	0.4607243	363.233907	0.00222222
0.38392026	0.27050904	0.47557709	450	0.00222222
0.37819623	0.27362186	0.46355907	450	0.00222222
0.42162106	0.32832707	0.49422258	450	0.00222222
0.40252917	0.28674347	0.48489969	1022.04964	0.00222222
0.38097537	0.28457797	0.46500502	450	0.00222222
0.43725673	0.33464102	0.51203865	450	0.00222222
0.39496115	0.29658419	0.45933219	450	0.00222222
0.40239991	0.31084926	0.49032324	450	0.00222222
0.4462729	0.34408144	0.50830359	907.825287	0.00222222
0.40498705	0.28895394	0.49874066	450	0.00222222
0.40188159	0.30919325	0.47337424	450	0.00222222
0.44896901	0.35756537	0.53501933	533.190058	0.00222222
0.40755726	0.32079661	0.48609741	450	0.00222222
0.39686048	0.29593756	0.47630978	450	0.00222222
0.37716176	0.25698439	0.45503989	450	0.00222222
0.39833855	0.30127583	0.48423199	450	0.00222222
0.41116898	0.30675759	0.48888996	450	0.00222222
0.42017156	0.30899821	0.49620275	450	0.00222222
0.39998255	0.2893174	0.50084793	593.719877	0.00222222
0.36991917	0.2722874	0.45478638	450	0.00222222
0.42829718	0.35442819	0.50192978	450	0.00222222
0.42007175	0.33549424	0.48970447	450	0.00222222
0.42006164	0.33335272	0.49399456	533.519779	0.00222222
0.38685649	0.27156295	0.47454	387.521306	0.00222222
0.4426069	0.34209946	0.53603092	450	0.00222222
0.37117746	0.27136449	0.45270495	450	0.00222222
0.40439953	0.30511405	0.4852029	450	0.00222222
0.41587646	0.33228812	0.48414265	450	0.00222222
0.39846314	0.30669991	0.48588805	450	0.00222222
0.3980824	0.31847313	0.48484185	450	0.00222222
0.42189324	0.34524718	0.4979068	389.512212	0.00222222

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0.39354821	0.28230648	0.48366464	450	0.00222222
0.37986612	0.27267378	0.45401617	694.842632	0.00222222
0.42682446	0.34158508	0.506161	450	0.00222222
0.41515796	0.33543253	0.52634749	450	0.00222222
0.4023755	0.30384127	0.48751606	450	0.00222222
0.40858326	0.30413061	0.5097788	450	0.00222222
0.40345466	0.30173558	0.47839171	652.865285	0.00222222
0.40363418	0.30945788	0.47873893	322.041696	0.00222222
0.4113162	0.34096847	0.49128886	450	0.00222222
0.39503523	0.30627537	0.48112278	450	0.00222222
0.36795747	0.25109696	0.46866212	450	0.00222222
0.40340826	0.31610744	0.49418523	343.624088	0.00222222
0.39918198	0.30981422	0.49241105	599.687867	0.00222222
0.42525789	0.32466518	0.5006997	295.818494	0.00222222
0.39004632	0.29670544	0.47817298	519.871784	0.00222222
0.39836605	0.29571334	0.48966532	450	0.00222222
0.41438466	0.29754657	0.49054667	450	0.00222222
0.40666375	0.30327899	0.4923737	920.665564	0.00222222
0.38055562	0.29111459	0.46176414	450	0.00222222
0.407834	0.29561574	0.48853807	450	0.00222222
0.40737164	0.30916302	0.47996282	450	0.00222222
0.39411471	0.30742949	0.46072083	450	0.00222222
0.38378498	0.27334186	0.47110715	450	0.00222222
0.40125127	0.31410884	0.47152844	450	0.00222222
0.41773937	0.30214439	0.51002262	450	0.00222222
0.40175517	0.30684351	0.47751137	450	0.00222222
0.41822407	0.32242897	0.50208947	714.017491	0.00222222
0.41346102	0.31693366	0.4903948	450	0.00222222
0.40109151	0.29853206	0.49799005	450	0.00222222
0.39926682	0.28598157	0.4722303	450	0.00222222
0.40844396	0.28654332	0.51026485	450	0.00222222
0.41352949	0.33284895	0.48207251	450	0.00222222
0.40988928	0.31346842	0.48841043	450	0.00222222
0.39893452	0.3159953	0.48566812	450	0.00222222
0.40558351	0.32329616	0.48628296	450	0.00222222
0.41724371	0.33625679	0.51116069	591.716091	0.00222222
0.42478665	0.34989407	0.49136814	527.06393	0.00222222
0.40735532	0.30040183	0.52112163	450	0.00222222
0.42105528	0.33779048	0.49240435	385.389536	0.00222222
0.39951218	0.29028381	0.4926006	450	0.00222222
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0.40500409	0.30499964	0.47783242	450	0.00222222

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0.37986291	0.28199438	0.48522655	532.840384	0.00222222
0.3776217	0.28385078	0.46106964	450	0.00222222
0.40949938	0.30970005	0.48569591	655.752843	0.00222222
0.3955137	0.28342754	0.47618964	450	0.00222222
0.37636314	0.27507175	0.46474435	723.299258	0.00222222
0.37894503	0.26613847	0.47511939	527.367646	0.00222222
0.42685339	0.32755336	0.4984551	450	0.00222222
0.38826768	0.2961903	0.46097272	450	0.00222222
0.4210398	0.33135868	0.48934451	450	0.00222222
0.39374633	0.28873382	0.47628909	450	0.00222222
0.38734891	0.27435895	0.46942857	450	0.00222222
0.39941411	0.29765262	0.48515091	450	0.00222222
0.39892927	0.280434	0.48318211	450	0.00222222
0.30921462	0.25184206	0.36481848	535.804756	0.00222222
0.32308013	0.25931075	0.36678713	450	0.00222222
0.31591163	0.26213416	0.36538517	450	0.00222222
0.32442649	0.26954989	0.37085325	349.031788	0.00222222
0.32885021	0.26938758	0.37192786	450	0.00222222
0.32001924	0.26726298	0.36335663	450	0.00222222
0.32215106	0.26876665	0.37223763	491.080228	0.00222222
0.30427023	0.25037685	0.35816393	450	0.00222222
0.32945273	0.2741609	0.38212141	384.545962	0.00222222
0.30259377	0.24901396	0.35667698	450	0.00222222
0.31150172	0.25782522	0.3593832	450	0.00222222
0.31824508	0.26371734	0.36310009	450	0.00222222
0.32982827	0.27925616	0.37495808	578.250886	0.00222222
0.33192804	0.27446595	0.38032958	450	0.00222222
0.30389499	0.25177605	0.35402465	450	0.00222222
0.31080988	0.26029429	0.35644241	450	0.00222222
0.30564903	0.25460033	0.35213318	450	0.00222222
0.33890743	0.29229858	0.3842377	736.082463	0.00222222
0.33757352	0.29190249	0.37899922	450	0.00222222
0.30054737	0.25172587	0.35966158	321.526715	0.00222222
0.33007361	0.27874109	0.37013498	364.80496	0.00222222
0.32887907	0.27478071	0.37929796	450	0.00222222
0.30102669	0.23879402	0.35133062	450	0.00222222
0.32696008	0.27680563	0.36760749	450	0.00222222
0.30649971	0.25447675	0.3573288	450	0.00222222
0.33534953	0.28222341	0.38687278	450	0.00222222
0.32216505	0.26672494	0.37110838	450	0.00222222
0.31610585	0.25352195	0.36522688	310.190005	0.00222222
0.33677504	0.28684584	0.38208764	450	0.00222222

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0.29360187	0.23345705	0.3493187	450	0.00222222
0.3122935	0.25096785	0.35899167	450	0.00222222
0.33675101	0.28425218	0.38251382	450	0.00222222
0.31656116	0.26010334	0.37371659	579.036808	0.00222222
0.33095859	0.27157602	0.37106726	450	0.00222222
0.31728345	0.26796374	0.37684739	450	0.00222222
0.30688694	0.25986731	0.35681696	450	0.00222222
0.30123424	0.25115197	0.35160653	551.3902	0.00222222
0.328604	0.27627854	0.37225871	450	0.00222222
0.31615612	0.26568287	0.37155883	371.905277	0.00222222
0.33408665	0.27481176	0.38485961	450	0.00222222
0.30545775	0.25235246	0.35372758	450	0.00222222
0.33916718	0.28823084	0.37479175	450	0.00222222
0.32424584	0.26766291	0.37290976	450	0.00222222
0.32282772	0.26885959	0.38696831	450	0.00222222
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0.3566465	0.31157135	0.38912677	450	0.00222222
0.30644624	0.23911698	0.35332966	450	0.00222222
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0.31312114	0.25834955	0.35985655	450	0.00222222
0.31610009	0.26415945	0.36143751	450	0.00222222
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0.34854285	0.29897853	0.39099564	349.538464	0.00222222
0.33912684	0.29741403	0.38249802	450	0.00222222
0.31903311	0.26379442	0.35539902	450	0.00222222
0.30059228	0.2505536	0.34906094	450	0.00222222
0.32926508	0.27437361	0.38066661	374.449875	0.00222222
0.32707583	0.27995998	0.37134221	450	0.00222222
0.32045681	0.27124121	0.36004089	450	0.00222222
0.2971745	0.23256837	0.34651296	532.413339	0.00222222
0.32940196	0.2718322	0.37838924	450	0.00222222
0.31620505	0.26151106	0.35541526	362.0653	0.00222222
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0.31932874	0.26573177	0.38143962	450	0.00222222
0.34525825	0.28199297	0.39197297	450	0.00222222
0.34854399	0.29414468	0.38935358	450	0.00222222
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0.33894582	0.28433872	0.38546885	450	0.00222222

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0.31795319	0.27613772	0.35787224	450	0.00222222
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0.32722953	0.26100557	0.37548093	386.100042	0.00222222
0.34771125	0.29207632	0.39230132	450	0.00222222
0.33311208	0.29333104	0.378371	450	0.00222222
0.30719054	0.25084476	0.35388185	450	0.00222222
0.33414195	0.27922581	0.3799665	450	0.00222222
0.35879721	0.29774379	0.39535994	450	0.00222222
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0.30756504	0.24662912	0.36704552	450	0.00222222
0.30456429	0.25450428	0.34979739	450	0.00222222
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0.33958975	0.27534456	0.38414574	450	0.00222222
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0.332316	0.28185132	0.37689901	450	0.00222222
0.3354132	0.28312452	0.37787908	450	0.00222222
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0.33754323	0.29315608	0.37685349	450	0.00222222
0.32218471	0.26545499	0.3771704	450	0.00222222
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0.24727534	0.19050796	0.30103012	450	0.00222222
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0.22858169	0.15964392	0.28638949	450	0.00222222
0.25907364	0.2078198	0.31988554	450	0.00222222
0.27487018	0.20744883	0.32946008	450	0.00222222
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0.26828608	0.20865629	0.32808527	450	0.00222222
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0.2493237	0.19011265	0.30493409	450	0.00222222
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0.255066	0.18110105	0.30732441	450	0.00222222
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0.25675706	0.18873668	0.31626915	450	0.00222222
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0.23961094	0.17637393	0.29525584	450	0.00222222
0.26475368	0.19970172	0.31405429	450	0.00222222
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0.25870241	0.19655978	0.3159774	450	0.00222222
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0.26013711	0.1994897	0.32054018	450	0.00222222
0.26805366	0.21421223	0.32427334	450	0.00222222
0.24472362	0.1713646	0.3032861	380.087616	0.00222222
0.24644016	0.19267318	0.29917386	450	0.00222222
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0.2561772	0.18699277	0.31295182	450	0.00222222
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0.25329733	0.18502964	0.31715589	544.77638	0.00222222
0.27101583	0.20370044	0.32101266	450	0.00222222
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0.25630966	0.20523971	0.30977736	450	0.00222222
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0.24850113	0.17910975	0.30326166	450	0.00222222
0.25785006	0.20167543	0.32247876	450	0.00222222
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0.25307757	0.19288696	0.31379203	450	0.00222222
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0.23903891	0.17438814	0.29355149	298.500133	0.00222222
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0.23223498	0.1699855	0.28524847	450	0.00222222
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0.24384282	0.1782893	0.30349684	450	0.00222222
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0.40044239	0.27668286	0.49035417	450	0.00222222
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0.40408363	0.27782542	0.5092396	450	0.00222222
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0.40355873	0.30234307	0.50798014	450	0.00222222
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0.38479695	0.26420017	0.48355266	450	0.00222222
0.40418371	0.29527954	0.4869286	450	0.00222222
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0.37342913	0.2524347	0.47597392	450	0.00222222
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0.41163684	0.28330756	0.5184784	450	0.00222222
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0.40775766	0.28809043	0.48859026	450	0.00222222
0.3752742	0.26046398	0.48336144	450	0.00222222
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0.39869204	0.28019504	0.48833637	450	0.00222222
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0.3776483	0.255805	0.46667232	450	0.00222222
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0.22847758	0.1281829	0.32996843	450	0.00222222
0.2231762	0.13605492	0.29485764	450	0.00222222
0.21808955	0.10229669	0.32359712	450	0.00444444
0.2274866	0.11830577	0.32027327	450	0.00222222
0.22013655	0.14565067	0.30039793	450	0.00222222
0.22358389	0.11228086	0.30629543	466.952676	0.00222222
0.22646272	0.14681979	0.31570328	450	0.00222222
0.2223396	0.10354696	0.32233039	450	0.00222222
0.22269309	0.12702108	0.30749812	450	0.00222222
0.22245866	0.13469814	0.30157712	450	0.00222222
0.21767473	0.12600806	0.29658486	383.71031	0.00222222
0.23302685	0.13623669	0.3207698	450	0.00222222
0.22105246	0.11785273	0.31759175	544.541859	0.00444444
0.22168936	0.13035327	0.32169261	450	0.00444444
0.21804427	0.12491455	0.29960311	450	0.00222222
0.23043714	0.13125084	0.31105018	450	0.00222222
0.2302146	0.12229698	0.31052845	450	0.00222222
0.22371196	0.11290123	0.29687994	549.164768	0.00222222
0.22650142	0.12748386	0.32852198	450	0.00222222
0.21995975	0.11235883	0.30490065	450	0.00444444
0.2214866	0.11542654	0.30795344	450	0.00222222

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0.21764082	0.12237057	0.3058333	555.317366	0.00444444
0.23161215	0.13679079	0.31475239	450	0.00222222
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0.21436414	0.12161516	0.30426082	450	0.00222222
0.22401698	0.14338551	0.30307112	450	0.00222222
0.22032103	0.09615929	0.30427621	532.398012	0.00444444
0.21631422	0.12640546	0.2976045	386.407855	0.00222222
0.22573253	0.13933616	0.31225495	450	0.00222222
0.21481115	0.12377271	0.31057742	450	0.00222222
0.22495352	0.12885903	0.33435851	562.658013	0.00222222
0.22074494	0.12205009	0.31315732	450	0.00222222
0.22070745	0.11809737	0.310978	615.134312	0.00444444
0.2169884	0.12221087	0.29686927	450	0.00222222
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0.22646438	0.13272332	0.31632522	450	0.00222222
0.22620009	0.13382831	0.31263707	450	0.00222222
0.22458176	0.12623897	0.3139296	494.781597	0.00222222
0.21959161	0.12870867	0.29916845	450	0.00222222
0.22584411	0.13922322	0.31301842	450	0.00222222
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0.22103137	0.12656635	0.32201306	450	0.00222222
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0.22883095	0.13472625	0.31672699	370.652617	0.00222222
0.22442334	0.12761783	0.3135829	450	0.00222222
0.23196686	0.12855049	0.32337476	450	0.00222222
0.21789953	0.12695683	0.31282628	516.606914	0.00444444
0.22248423	0.13034633	0.28928043	450	0.00222222
0.2267415	0.12904186	0.30676592	450	0.00222222
0.21880332	0.12791419	0.30636324	450	0.00222222
0.22065612	0.10520291	0.31276756	407.159393	0.00222222
0.22840611	0.12709237	0.31293761	450	0.00222222
0.22002283	0.13339268	0.33974365	450	0.00222222
0.22076399	0.11925622	0.29581096	450	0.00222222
0.21766389	0.11924412	0.31305569	553.033574	0.00222222
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0.223777	0.14262113	0.31042544	450	0.00222222
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0.21916277	0.12392752	0.3186334	523.664533	0.00222222
0.22074972	0.13515927	0.30526828	994.300924	0.00222222
0.21876879	0.12588138	0.31639606	519.726237	0.00222222
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0.21932108	0.11554424	0.31060623	450	0.00222222
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0.22415011	0.10163711	0.30771651	450	0.00222222
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0.22324642	0.12724171	0.33120595	450	0.00222222
0.23725903	0.20814761	0.25548007	390.101557	0.00222222
0.23447161	0.20596647	0.25071697	450	0.00222222
0.23489518	0.2088497	0.25880528	450	0.00222222
0.23577547	0.2084112	0.25313892	450	0.00222222
0.23618724	0.21158869	0.25819979	521.196676	0.00222222
0.23377797	0.20568827	0.25125838	551.527075	0.00222222
0.2396103	0.21576812	0.25673055	450	0.00222222
0.23304214	0.20062333	0.25107233	450	0.00222222
0.23800465	0.2073141	0.26057743	450	0.00222222
0.23825868	0.21303334	0.2649457	450	0.00222222
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0.23949951	0.21338647	0.25502227	489.730885	0.00222222
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0.23439314	0.20445549	0.2549037	450	0.00222222
0.23899649	0.21006741	0.2587045	450	0.00222222

0.23628867	0.21226102	0.25779532	450	0.00222222
0.23679679	0.20995487	0.25683535	450	0.00222222
0.24058713	0.21254896	0.26109538	450	0.00222222
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0.23728474	0.19923952	0.26250613	516.659195	0.00222222
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0.23479081	0.20554347	0.25761136	450	0.00222222
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0.23246841	0.20678169	0.25472362	450	0.00222222
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0.23627539	0.20548995	0.25541028	450	0.00222222
0.23765792	0.21533347	0.25733552	527.091026	0.00222222
0.23669894	0.21135121	0.25272766	450	0.00222222
0.23336549	0.20734187	0.25263832	367.597362	0.00222222
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0.23529984	0.21036284	0.25345186	450	0.00222222
0.23506802	0.20536232	0.25680236	450	0.00222222
0.23877372	0.21332212	0.26092543	450	0.00222222
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0.23365136	0.21122976	0.25691133	450	0.00222222
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0.23471647	0.21165899	0.25599192	374.082576	0.00222222
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0.23696761	0.21306205	0.25709372	390.484573	0.00222222
0.23307091	0.20641901	0.25606562	450	0.00222222
0.23696564	0.20720384	0.25598159	450	0.00222222
0.23347854	0.20705225	0.25390169	450	0.00222222
0.23612155	0.21747963	0.25800396	450	0.00222222
0.2338462	0.20150129	0.25672039	324.774648	0.00222222
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0.23922272	0.20792614	0.26461985	450	0.00222222
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0.24339193	0.22017457	0.26546528	526.186842	0.00222222

0.2343717	0.20349463	0.2558839	816.877459	0.00222222
0.24047719	0.21146235	0.25793723	450	0.00222222
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0.23135758	0.20484766	0.25262467	378.782303	0.00222222
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0.23782573	0.21379279	0.25802507	450	0.00222222
0.23388802	0.20305984	0.25691848	380.970485	0.00222222
0.23391769	0.21013243	0.25278253	612.558667	0.00222222
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0.23652828	0.20695039	0.25946906	544.273938	0.00222222
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0.23595335	0.21003036	0.25807841	530.74714	0.00222222
0.23720408	0.21579314	0.26250168	699.342931	0.00222222
0.23526415	0.21104102	0.25299429	450	0.00222222
0.23504183	0.20767693	0.25573061	450	0.00222222
0.23901328	0.21232585	0.25828403	366.307876	0.00222222
0.23633918	0.20724273	0.26094086	450	0.00222222
0.23774266	0.20805462	0.26027886	450	0.00222222
0.23734759	0.20150074	0.25816773	450	0.00222222
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0.23869292	0.21610044	0.25824802	450	0.00222222
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0.18837118	0.16588532	0.20590483	450	0.00222222
0.19651434	0.17946334	0.2143426	450	0.00222222
0.19399336	0.17580801	0.21350046	450	0.00222222
0.19063308	0.17004477	0.20826822	450	0.00222222
0.19868447	0.17748452	0.22024067	450	0.00222222
0.19224861	0.16928022	0.21764087	277.629862	0.00222222
0.1913986	0.16674957	0.21361982	571.504667	0.00222222

tree.ID	tree	null_DIC	slow_DIC	asym_DIC	null_post_m
1	Arbour.phy.n	303.963063	286.047659	285.363302	0.01416038
2	Arbour.phy.n	305.871342	287.097387	286.977735	0.01401904
3	Arbour.phy.n	305.028692	286.851129	288.219809	0.01296433
4	Arbour.phy.n	303.524165	284.801556	285.109001	0.01361704
5	Arbour.phy.n	302.45052	285.259906	285.261701	0.01317868
6	Arbour.phy.n	305.683197	284.956936	286.082906	0.01413204
7	Arbour.phy.n	302.302259	284.484772	284.449434	0.01455767
8	Arbour.phy.n	304.142046	285.435938	284.758968	0.01478274
9	Arbour.phy.n	302.462944	283.934267	283.812676	0.01364625
10	Arbour.phy.n	303.327259	285.317035	285.014865	0.013998
11	Arbour.phy.n	304.602865	286.392455	286.971577	0.01301416
12	Arbour.phy.n	304.040553	285.158644	286.06324	0.01347938
13	Arbour.phy.n	301.960671	283.848141	283.893181	0.013872
14	Arbour.phy.n	303.923437	284.725688	285.776185	0.01298407
15	Arbour.phy.n	304.307688	285.54276	285.442153	0.01403281
16	Arbour.phy.n	302.305146	284.012558	284.149683	0.01415959
17	Arbour.phy.n	304.046741	285.555349	285.929864	0.01377028
18	Arbour.phy.n	304.265936	284.773294	285.460108	0.01368963
19	Arbour.phy.n	302.803816	286.101203	285.16922	0.01381534
20	Arbour.phy.n	305.558185	287.690102	288.970511	0.01257779
21	Arbour.phy.n	302.869965	284.487285	283.988307	0.01413168
22	Arbour.phy.n	306.24071	288.023377	288.386722	0.01343555
23	Arbour.phy.n	303.899571	283.923237	285.436046	0.01407301
24	Arbour.phy.n	304.691218	286.767458	287.872401	0.01302683
25	Arbour.phy.n	304.22784	285.443168	286.331353	0.01327901
26	Arbour.phy.n	303.34521	283.928653	284.582907	0.01397373
27	Arbour.phy.n	305.406657	285.199267	285.762408	0.01361631
28	Arbour.phy.n	301.954792	284.203936	285.05003	0.01384738
29	Arbour.phy.n	305.353741	285.765507	287.376945	0.01284126
30	Arbour.phy.n	302.98683	284.510426	284.266743	0.01485827
31	Arbour.phy.n	305.697163	285.355587	286.379078	0.01380499
32	Arbour.phy.n	305.182982	286.016092	287.494367	0.01318481
33	Arbour.phy.n	305.090883	285.810936	286.088038	0.01372316
34	Arbour.phy.n	304.598531	284.864989	285.653584	0.01355964
35	Arbour.phy.n	303.919797	284.392838	285.998464	0.01305053
36	Arbour.phy.n	304.373566	284.961162	285.715326	0.01319811
37	Arbour.phy.n	305.881797	288.495585	289.815189	0.01262457
38	Arbour.phy.n	302.947793	285.377847	285.229415	0.013813
39	Arbour.phy.n	303.396923	285.128681	285.231058	0.01440012
40	Arbour.phy.n	304.081663	283.95951	285.402879	0.01327076
41	Arbour.phy.n	304.568369	286.148314	287.595381	0.01298229
42	Arbour.phy.n	300.046142	283.515703	283.974245	0.01401058

43	Arbour.phy.n	303.789723	284.748598	285.966629	0.01364724
44	Arbour.phy.n	302.440253	284.099417	283.791054	0.0147116
45	Arbour.phy.n	302.436924	283.058131	284.735141	0.01353798
46	Arbour.phy.n	305.374947	286.606691	286.919224	0.01340981
47	Arbour.phy.n	303.508991	284.941972	284.889004	0.01400242
48	Arbour.phy.n	302.0254	284.099071	284.010618	0.01428877
49	Arbour.phy.n	303.533313	285.058733	285.890274	0.01352784
50	Arbour.phy.n	304.320353	285.622371	285.48397	0.01415572
51	Arbour.phy.n	304.296047	283.920882	284.916151	0.01397226
52	Arbour.phy.n	304.582248	285.96893	287.550394	0.01286644
53	Arbour.phy.n	304.429811	285.615652	287.254086	0.01312338
54	Arbour.phy.n	303.392563	285.787758	286.688335	0.01267963
55	Arbour.phy.n	304.142293	285.479577	285.990662	0.01358554
56	Arbour.phy.n	303.318341	283.942593	285.14307	0.01279899
57	Arbour.phy.n	302.969997	286.067609	287.607075	0.01241846
58	Arbour.phy.n	308.465021	289.845888	290.784618	0.01294984
59	Arbour.phy.n	305.017476	286.796574	287.755372	0.01345506
60	Arbour.phy.n	303.279495	284.363371	284.680725	0.01407034
61	Arbour.phy.n	305.078664	286.072147	288.157268	0.0125541
62	Arbour.phy.n	301.03188	283.320288	283.45712	0.01392075
63	Arbour.phy.n	306.481867	286.256746	287.653352	0.01394392
64	Arbour.phy.n	306.04837	287.611378	289.267356	0.01285734
65	Arbour.phy.n	302.140579	283.474388	283.550213	0.01448509
66	Arbour.phy.n	306.890647	287.383839	288.069787	0.0135741
67	Arbour.phy.n	301.115783	283.817346	283.165753	0.01445969
68	Arbour.phy.n	302.833034	284.827128	285.588791	0.01371388
69	Arbour.phy.n	303.981492	285.076943	286.801565	0.01310586
70	Arbour.phy.n	306.067881	287.737761	288.407127	0.01338886
71	Arbour.phy.n	301.217444	283.954886	282.809566	0.01484054
72	Arbour.phy.n	299.877995	283.087057	282.20537	0.01429821
73	Arbour.phy.n	301.460559	283.372115	283.804974	0.01405371
74	Arbour.phy.n	305.268673	286.889747	286.833654	0.01403173
75	Arbour.phy.n	305.550386	287.190215	287.172559	0.01317174
76	Arbour.phy.n	305.831424	286.13624	287.788227	0.01344578
77	Arbour.phy.n	303.441454	284.840393	284.425568	0.01419589
78	Arbour.phy.n	302.849041	284.826178	283.984992	0.01429067
79	Arbour.phy.n	303.541077	284.838391	285.4709	0.01352054
80	Arbour.phy.n	303.498125	285.468229	286.449092	0.01307823
81	Arbour.phy.n	304.9515	286.88623	288.236014	0.01231417
82	Arbour.phy.n	301.852759	283.65111	282.586085	0.01533701
83	Arbour.phy.n	303.502812	285.428775	286.102769	0.01406848
84	Arbour.phy.n	304.549845	284.920773	286.388958	0.01295468
85	Arbour.phy.n	307.401948	288.539264	290.230003	0.01264082

86	Arbour.phy.n	302.896233	285.179782	285.725591	0.01358125
87	Arbour.phy.n	303.723112	285.438664	285.563349	0.01389144
88	Arbour.phy.n	303.582382	285.162769	285.364377	0.01353555
89	Arbour.phy.n	305.492027	285.011227	286.410863	0.01310265
90	Arbour.phy.n	305.067216	285.618951	286.500072	0.01316831
91	Arbour.phy.n	307.313997	288.611763	289.291144	0.01305865
92	Arbour.phy.n	303.211683	284.957981	286.024351	0.01308447
93	Arbour.phy.n	300.929724	283.205102	282.587077	0.01433947
94	Arbour.phy.n	302.464586	283.661666	284.513426	0.01373687
95	Arbour.phy.n	303.800412	285.915812	286.240889	0.01377556
96	Arbour.phy.n	302.9326	285.54098	285.311372	0.01384038
97	Arbour.phy.n	302.864758	284.144485	283.792634	0.01495772
98	Arbour.phy.n	301.676918	282.829098	283.244369	0.01421369
99	Arbour.phy.n	303.499423	286.279475	285.78615	0.01411155
100	Arbour.phy.n	302.228868	284.375691	284.634889	0.01421353
101	Carballido.ph	505.620244	457.71566	490.377004	0.00444669
102	Carballido.ph	496.630631	451.759851	483.121426	0.00406045
103	Carballido.ph	500.572607	459.016075	488.362879	0.00383213
104	Carballido.ph	510.682609	449.774895	493.06297	0.00424801
105	Carballido.ph	495.088903	447.743321	480.821788	0.00422906
106	Carballido.ph	504.675145	462.970937	491.468404	0.00430991
107	Carballido.ph	498.122856	460.560483	487.427963	0.00375357
108	Carballido.ph	511.615274	463.980475	494.689466	0.00433845
109	Carballido.ph	502.721811	459.43003	488.688466	0.00441898
110	Carballido.ph	510.376091	443.057407	487.713498	0.00486056
111	Carballido.ph	510.054306	448.344112	485.905414	0.00549728
112	Carballido.ph	510.849467	453.088544	489.992194	0.00511242
113	Carballido.ph	505.540013	459.104899	491.215827	0.00432777
114	Carballido.ph	499.032022	460.641242	486.332292	0.00413644
115	Carballido.ph	503.842748	454.494551	488.309225	0.00435532
116	Carballido.ph	509.878264	446.410126	490.196086	0.00495972
117	Carballido.ph	510.361602	450.256088	489.025947	0.00492119
118	Carballido.ph	507.104216	449.799352	489.233118	0.00466109
119	Carballido.ph	510.393771	448.300246	488.437781	0.0048953
120	Carballido.ph	511.081381	458.289559	492.285592	0.00506501
121	Carballido.ph	505.373893	458.862792	487.983755	0.00492733
122	Carballido.ph	500.804651	455.584034	486.102246	0.00411703
123	Carballido.ph	514.623378	470.693952	498.671911	0.00460192
124	Carballido.ph	493.198046	441.242292	478.45617	0.00448995
125	Carballido.ph	503.916191	461.968757	491.365083	0.00382205
126	Carballido.ph	510.962495	446.596789	489.027972	0.00522787
127	Carballido.ph	505.735963	462.091898	490.401075	0.00468324
128	Carballido.ph	507.004292	455.434815	489.619739	0.00493597

129	Carballido.ph	504.44124	462.34169	491.019663	0.00410305
130	Carballido.ph	508.798732	464.830034	494.289812	0.0043663
131	Carballido.ph	509.178678	443.479586	485.849791	0.00508089
132	Carballido.ph	494.46099	443.2599	478.577572	0.0043624
133	Carballido.ph	510.548613	450.224294	489.005474	0.00523885
134	Carballido.ph	500.023964	447.586665	483.680329	0.0045259
135	Carballido.ph	510.536468	444.204036	487.250662	0.00538614
136	Carballido.ph	511.503546	457.445643	492.907073	0.00496383
137	Carballido.ph	494.523246	459.6477	484.961432	0.00378923
138	Carballido.ph	512.745897	456.651455	492.309783	0.00533939
139	Carballido.ph	509.890384	445.248372	487.746685	0.0051202
140	Carballido.ph	503.982951	455.52132	487.879174	0.00465251
141	Carballido.ph	501.953549	456.908909	488.789492	0.00426367
142	Carballido.ph	510.72696	448.840969	488.997413	0.00506652
143	Carballido.ph	513.221607	451.9975	492.288393	0.00506644
144	Carballido.ph	502.669499	457.297266	486.755431	0.00454928
145	Carballido.ph	499.134286	456.813278	486.859256	0.00372416
146	Carballido.ph	502.925887	453.655945	486.867007	0.00462065
147	Carballido.ph	510.984737	464.879396	494.549478	0.00493348
148	Carballido.ph	513.081506	454.906884	492.522023	0.00499933
149	Carballido.ph	499.530985	449.1087	483.753562	0.00439517
150	Carballido.ph	509.390953	444.121013	484.070295	0.00586553
151	Carballido.ph	511.96624	456.389764	490.42581	0.00510445
152	Carballido.ph	500.215424	447.685465	482.020671	0.0051993
153	Carballido.ph	511.241567	448.598251	489.905453	0.00484821
154	Carballido.ph	502.344423	464.618853	490.437086	0.00395862
155	Carballido.ph	504.007059	460.011957	488.980606	0.00446783
156	Carballido.ph	503.84319	453.106844	489.155251	0.00394369
157	Carballido.ph	505.398844	463.027278	492.13762	0.00439882
158	Carballido.ph	514.017479	461.747937	493.898217	0.00469515
159	Carballido.ph	503.274117	460.863681	490.401143	0.00397826
160	Carballido.ph	509.505317	443.866413	488.430576	0.004738
161	Carballido.ph	502.590891	463.204998	490.775751	0.00388898
162	Carballido.ph	496.338657	451.600551	483.125437	0.00420588
163	Carballido.ph	509.415615	446.492643	486.881761	0.00517472
164	Carballido.ph	511.648611	448.481837	488.923059	0.00525123
165	Carballido.ph	501.099163	449.704088	484.101494	0.00441629
166	Carballido.ph	501.164521	457.536265	487.782355	0.0042986
167	Carballido.ph	501.615587	450.567702	486.994477	0.00439149
168	Carballido.ph	508.038105	455.76376	490.998754	0.00458454
169	Carballido.ph	513.066353	455.196222	494.765309	0.00469444
170	Carballido.ph	509.699193	450.451037	488.801773	0.00489361
171	Carballido.ph	499.977593	449.518927	484.304372	0.0041443

172	Carballido.ph	510.149837	467.065871	495.319285	0.00429098
173	Carballido.ph	496.8054	444.725064	481.502178	0.00442851
174	Carballido.ph	512.582349	450.020326	489.424262	0.00517335
175	Carballido.ph	499.014853	459.183718	487.938524	0.00372984
176	Carballido.ph	502.430933	455.550717	489.042515	0.00401462
177	Carballido.ph	506.396214	457.162893	490.876548	0.00452939
178	Carballido.ph	492.406208	439.651218	477.862689	0.00417055
179	Carballido.ph	510.556758	448.090309	488.379694	0.00520289
180	Carballido.ph	501.363929	456.121512	485.639269	0.00469183
181	Carballido.ph	512.846016	457.067023	493.969964	0.00493233
182	Carballido.ph	502.20157	470.885369	492.288151	0.00382495
183	Carballido.ph	497.476301	447.725376	483.391924	0.00415601
184	Carballido.ph	511.318115	448.192092	489.943789	0.00508094
185	Carballido.ph	508.928764	462.1492	493.738777	0.00451665
186	Carballido.ph	511.906	447.510714	489.28122	0.00530251
187	Carballido.ph	502.979479	446.673226	485.414057	0.004634
188	Carballido.ph	509.425676	452.095113	492.054959	0.00453082
189	Carballido.ph	496.850869	447.356445	481.664342	0.00441384
190	Carballido.ph	504.740927	473.546752	493.569729	0.00408631
191	Carballido.ph	510.750683	445.859894	487.701525	0.00535335
192	Carballido.ph	515.770402	474.726343	500.249838	0.00445803
193	Carballido.ph	505.142149	467.575134	493.060602	0.00406325
194	Carballido.ph	505.620198	460.099919	489.453521	0.00457877
195	Carballido.ph	501.751076	457.250101	487.298345	0.00442621
196	Carballido.ph	515.029678	458.513881	494.896669	0.00512544
197	Carballido.ph	512.771115	447.178534	490.189681	0.00521493
198	Carballido.ph	493.977486	447.16331	480.268526	0.00431051
199	Carballido.ph	512.051221	455.346995	491.554057	0.00506382
200	Carballido.ph	508.452715	460.47587	493.329763	0.00452739
201	Cau.phy.nex	800.203817	798.2243	786.784744	0.0087165
202	Cau.phy.nex	803.644543	802.162463	791.240869	0.00786327
203	Cau.phy.nex	803.380459	803.453964	792.484215	0.00777955
204	Cau.phy.nex	803.073737	801.598652	791.683618	0.00785925
205	Cau.phy.nex	807.302965	805.308424	795.415972	0.00796536
206	Cau.phy.nex	803.459963	804.167318	793.056965	0.0076762
207	Cau.phy.nex	802.145502	801.070413	790.820216	0.00796778
208	Cau.phy.nex	802.754966	801.616631	791.280031	0.00749591
209	Cau.phy.nex	804.075891	800.131299	789.962837	0.00806407
210	Cau.phy.nex	803.285821	799.941597	789.835615	0.00819999
211	Cau.phy.nex	803.193971	802.545687	792.019187	0.00814548
212	Cau.phy.nex	803.715548	804.717466	794.412533	0.00738661
213	Cau.phy.nex	802.439909	800.196615	791.030277	0.00820757
214	Cau.phy.nex	806.696518	806.377294	795.968792	0.00739532

215	Cau.phy.nex	803.879408	801.693496	792.215272	0.00720969
216	Cau.phy.nex	801.335298	799.380257	789.984241	0.00808277
217	Cau.phy.nex	805.437249	805.040196	794.135095	0.00799772
218	Cau.phy.nex	803.967066	802.881265	794.481052	0.00729383
219	Cau.phy.nex	803.29196	801.970225	791.311168	0.00807833
220	Cau.phy.nex	804.162593	803.226104	792.757393	0.00800591
221	Cau.phy.nex	805.967296	804.963539	793.048215	0.00792917
222	Cau.phy.nex	802.145492	801.97134	790.797265	0.00804032
223	Cau.phy.nex	803.736376	800.931081	791.007543	0.0079791
224	Cau.phy.nex	798.758437	795.834966	786.704797	0.00819742
225	Cau.phy.nex	804.679206	804.198159	793.880345	0.00736029
226	Cau.phy.nex	801.738854	800.356124	789.27651	0.00806324
227	Cau.phy.nex	804.96343	803.780816	793.224566	0.00770134
228	Cau.phy.nex	803.766905	802.814422	792.530093	0.00771419
229	Cau.phy.nex	805.748342	804.855968	794.758724	0.00782323
230	Cau.phy.nex	804.509394	803.92296	793.046792	0.00764236
231	Cau.phy.nex	800.84574	799.813226	789.438657	0.0078453
232	Cau.phy.nex	802.50554	800.32972	790.163692	0.00791877
233	Cau.phy.nex	804.170226	802.729676	793.265139	0.00728163
234	Cau.phy.nex	799.544437	798.384695	787.192538	0.00836195
235	Cau.phy.nex	801.16866	799.245119	789.201093	0.00806821
236	Cau.phy.nex	801.825286	801.151875	790.636731	0.00800717
237	Cau.phy.nex	801.340242	797.716469	788.931223	0.0081858
238	Cau.phy.nex	802.426881	801.520818	790.631973	0.00803324
239	Cau.phy.nex	802.838023	801.871007	792.34358	0.00786456
240	Cau.phy.nex	803.202117	803.081962	792.379215	0.0077596
241	Cau.phy.nex	802.716238	800.770881	789.796048	0.00828132
242	Cau.phy.nex	803.574542	802.85077	792.523105	0.00801186
243	Cau.phy.nex	803.716905	803.191068	792.670098	0.0078849
244	Cau.phy.nex	802.835931	802.366462	792.530757	0.00797318
245	Cau.phy.nex	804.280739	803.968554	793.317115	0.00754683
246	Cau.phy.nex	805.567869	805.062544	794.753451	0.0074677
247	Cau.phy.nex	804.359407	800.781842	790.277118	0.00855252
248	Cau.phy.nex	805.12918	804.926246	794.786567	0.00763444
249	Cau.phy.nex	800.061652	799.94457	789.851698	0.00780564
250	Cau.phy.nex	804.468286	803.412255	792.583679	0.00784228
251	Cau.phy.nex	801.458404	800.693334	789.549051	0.00808936
252	Cau.phy.nex	801.676091	798.494876	788.307801	0.00818613
253	Cau.phy.nex	806.273057	807.238475	796.819784	0.00747036
254	Cau.phy.nex	802.053149	799.673841	789.02267	0.00815577
255	Cau.phy.nex	802.639797	801.140692	792.028858	0.00770541
256	Cau.phy.nex	803.232289	798.176819	790.334222	0.00849021
257	Cau.phy.nex	803.521668	800.575325	791.648723	0.00805227

258	Cau.phy.nex	798.894483	796.732396	787.238884	0.00802958
259	Cau.phy.nex	803.835172	802.417532	791.587105	0.00779343
260	Cau.phy.nex	806.128841	805.535871	795.756364	0.00758269
261	Cau.phy.nex	806.209746	804.274657	795.165322	0.00714725
262	Cau.phy.nex	800.740498	799.833372	789.278589	0.00812011
263	Cau.phy.nex	803.157196	801.103038	790.233881	0.00847238
264	Cau.phy.nex	806.237736	805.209216	794.335745	0.00793544
265	Cau.phy.nex	802.91014	800.216148	791.380464	0.00774576
266	Cau.phy.nex	808.945563	810.108521	798.128406	0.0077917
267	Cau.phy.nex	805.334559	804.185115	793.814879	0.00803468
268	Cau.phy.nex	807.411654	805.020423	795.245725	0.00763948
269	Cau.phy.nex	801.034895	798.758961	788.986249	0.00799174
270	Cau.phy.nex	803.663483	801.072894	791.374413	0.00728294
271	Cau.phy.nex	801.021038	797.860218	789.278913	0.00801933
272	Cau.phy.nex	804.337249	803.801972	792.854482	0.007844
273	Cau.phy.nex	804.333265	802.076488	791.851695	0.00799705
274	Cau.phy.nex	798.583987	798.852151	787.562909	0.00794844
275	Cau.phy.nex	802.489612	803.502575	791.9443	0.00803255
276	Cau.phy.nex	802.667258	798.854078	789.918088	0.00828052
277	Cau.phy.nex	807.169046	808.829393	796.398458	0.00797424
278	Cau.phy.nex	801.395142	800.530813	790.264405	0.00783737
279	Cau.phy.nex	801.423342	799.191203	788.142059	0.00818035
280	Cau.phy.nex	805.011154	804.412863	793.6629	0.00776464
281	Cau.phy.nex	799.605387	796.059979	786.699085	0.00820847
282	Cau.phy.nex	802.501168	799.877099	790.444623	0.00768904
283	Cau.phy.nex	805.241684	805.097362	793.844845	0.00775406
284	Cau.phy.nex	803.673209	804.117725	793.576943	0.00798281
285	Cau.phy.nex	803.710568	800.765387	790.465925	0.00840967
286	Cau.phy.nex	799.493916	798.790604	788.909267	0.00797437
287	Cau.phy.nex	803.765777	803.786362	792.228247	0.00783194
288	Cau.phy.nex	805.902024	806.540417	796.501186	0.00754056
289	Cau.phy.nex	802.914076	800.256979	791.668042	0.00762275
290	Cau.phy.nex	808.118299	807.746901	796.840521	0.00752372
291	Cau.phy.nex	801.687828	798.340853	788.962916	0.00816546
292	Cau.phy.nex	804.753946	803.638805	794.203583	0.00779907
293	Cau.phy.nex	802.669927	801.608551	790.930004	0.00802738
294	Cau.phy.nex	802.812342	800.336009	790.033576	0.00824815
295	Cau.phy.nex	805.003424	803.627031	793.448792	0.00785605
296	Cau.phy.nex	801.339873	796.028967	787.162994	0.00875893
297	Cau.phy.nex	805.432986	803.96172	794.60851	0.00735833
298	Cau.phy.nex	802.980908	801.759485	791.200138	0.00772789
299	Cau.phy.nex	803.87239	801.374825	792.312332	0.00808715
300	Cau.phy.nex	803.756571	801.386219	791.451672	0.00782683

301	Chiba.phy.ne	151.985431	140.761572	142.77982	0.06322772
302	Chiba.phy.ne	147.946108	139.632937	140.427025	0.06901506
303	Chiba.phy.ne	149.466627	139.821778	140.153023	0.06779941
304	Chiba.phy.ne	146.200581	138.130757	139.393726	0.06468099
305	Chiba.phy.ne	149.913891	139.670645	143.011555	0.05718096
306	Chiba.phy.ne	149.906825	135.082524	143.114914	0.05803451
307	Chiba.phy.ne	148.840203	139.041249	139.999801	0.06316452
308	Chiba.phy.ne	149.407341	140.172648	139.338629	0.06642061
309	Chiba.phy.ne	149.869192	141.243096	140.826321	0.07250389
310	Chiba.phy.ne	152.162741	139.804958	143.798739	0.06652429
311	Chiba.phy.ne	145.21982	137.161377	137.186884	0.0709166
312	Chiba.phy.ne	149.814343	137.991996	142.27466	0.05889781
313	Chiba.phy.ne	151.165102	141.088719	144.08013	0.0553029
314	Chiba.phy.ne	148.765827	137.29982	141.685522	0.06113123
315	Chiba.phy.ne	153.013297	141.462138	143.07878	0.064678
316	Chiba.phy.ne	149.711327	139.01137	142.219962	0.06404554
317	Chiba.phy.ne	144.81616	135.770111	137.439968	0.0645194
318	Chiba.phy.ne	152.651661	142.179639	143.667735	0.07274655
319	Chiba.phy.ne	144.175159	136.702137	135.737076	0.07438704
320	Chiba.phy.ne	146.356267	137.122987	137.846022	0.0709173
321	Chiba.phy.ne	152.237323	141.390343	141.640014	0.07605912
322	Chiba.phy.ne	149.154103	138.123737	140.913403	0.06417197
323	Chiba.phy.ne	149.865916	139.437831	141.103342	0.0640726
324	Chiba.phy.ne	148.097767	138.870039	138.496878	0.07818396
325	Chiba.phy.ne	148.542103	139.129009	140.074843	0.06906844
326	Chiba.phy.ne	149.384099	137.757231	139.954924	0.06597561
327	Chiba.phy.ne	149.740705	138.114362	142.245611	0.06045756
328	Chiba.phy.ne	149.989475	140.058723	141.822736	0.063382
329	Chiba.phy.ne	148.405229	139.649774	140.745554	0.06385139
330	Chiba.phy.ne	149.482381	137.936563	139.91402	0.06704203
331	Chiba.phy.ne	146.513338	136.611775	139.330044	0.06854001
332	Chiba.phy.ne	150.14657	140.466279	142.853888	0.05578608
333	Chiba.phy.ne	150.406115	141.07061	140.786568	0.06687575
334	Chiba.phy.ne	150.514003	141.171598	140.419507	0.07406902
335	Chiba.phy.ne	151.337114	140.056738	142.782	0.06814459
336	Chiba.phy.ne	147.706153	138.605025	140.4472	0.05945178
337	Chiba.phy.ne	150.266957	136.992714	142.140939	0.07242731
338	Chiba.phy.ne	148.797522	137.199198	140.686551	0.05876819
339	Chiba.phy.ne	147.93002	136.948215	138.596617	0.06698632
340	Chiba.phy.ne	150.397339	139.10092	140.267245	0.07279331
341	Chiba.phy.ne	150.321346	138.661745	143.32488	0.06713281
342	Chiba.phy.ne	150.434202	137.92408	141.355322	0.06286949
343	Chiba.phy.ne	149.326694	138.757647	138.98159	0.07590327

344	Chiba.phy.ne	148.320279	140.091221	139.32167	0.07949467
345	Chiba.phy.ne	149.406639	139.416763	142.680741	0.06610147
346	Chiba.phy.ne	149.377801	135.87706	141.341251	0.06051496
347	Chiba.phy.ne	149.615991	141.45593	140.262734	0.07567235
348	Chiba.phy.ne	149.181052	139.467531	140.466584	0.07031692
349	Chiba.phy.ne	145.520676	137.219453	137.18282	0.0697532
350	Chiba.phy.ne	145.312136	136.549086	138.015123	0.07306105
351	Chiba.phy.ne	148.001012	138.057382	139.756458	0.06280273
352	Chiba.phy.ne	143.80947	136.607671	134.81149	0.06929096
353	Chiba.phy.ne	148.456099	138.894142	138.59031	0.0739784
354	Chiba.phy.ne	145.168144	136.070668	137.470707	0.06976014
355	Chiba.phy.ne	148.401509	140.586984	141.730362	0.05474845
356	Chiba.phy.ne	146.170736	137.327077	138.396383	0.06904691
357	Chiba.phy.ne	149.624986	137.762342	141.94602	0.06008956
358	Chiba.phy.ne	151.569646	137.726025	141.826047	0.06937113
359	Chiba.phy.ne	147.909474	137.249565	140.50073	0.06415337
360	Chiba.phy.ne	149.47995	139.852768	142.711227	0.06087916
361	Chiba.phy.ne	152.047906	141.110385	144.929562	0.07020687
362	Chiba.phy.ne	148.744202	137.597587	140.281708	0.06865867
363	Chiba.phy.ne	149.36387	136.77058	141.581779	0.06365474
364	Chiba.phy.ne	146.939834	138.3104	138.375498	0.07397696
365	Chiba.phy.ne	147.236806	138.185438	136.668832	0.07161878
366	Chiba.phy.ne	147.165536	139.12194	137.466717	0.06809171
367	Chiba.phy.ne	147.209102	138.344833	140.305506	0.06527949
368	Chiba.phy.ne	151.006612	141.124417	141.577368	0.06552383
369	Chiba.phy.ne	150.786967	138.995618	143.166873	0.06373161
370	Chiba.phy.ne	148.610992	136.94186	139.289088	0.06523553
371	Chiba.phy.ne	147.677187	140.704878	139.398657	0.06931605
372	Chiba.phy.ne	150.937464	140.673764	143.015038	0.07117032
373	Chiba.phy.ne	148.608548	138.677448	140.431258	0.06793061
374	Chiba.phy.ne	147.824409	139.54634	139.039908	0.06908259
375	Chiba.phy.ne	149.396777	137.779085	142.537258	0.06236093
376	Chiba.phy.ne	147.342417	138.317878	136.806339	0.06985192
377	Chiba.phy.ne	147.558476	137.413581	138.440418	0.06335621
378	Chiba.phy.ne	150.239454	140.28743	142.916007	0.06386013
379	Chiba.phy.ne	148.928957	138.67529	140.0731	0.07145076
380	Chiba.phy.ne	144.949346	137.747859	136.82658	0.07484087
381	Chiba.phy.ne	153.898976	142.993861	142.657198	0.06932669
382	Chiba.phy.ne	146.084117	136.729568	138.664801	0.06497788
383	Chiba.phy.ne	149.670189	140.051497	138.800768	0.07251019
384	Chiba.phy.ne	150.526103	139.837063	143.388733	0.06126956
385	Chiba.phy.ne	149.577876	140.618219	140.725329	0.06705373
386	Chiba.phy.ne	147.831942	138.409212	138.258744	0.07033761

387	Chiba.phy.ne	148.302714	138.195242	138.932944	0.07219993
388	Chiba.phy.ne	150.395948	140.955041	143.345913	0.05560104
389	Chiba.phy.ne	150.245794	138.179928	142.113507	0.06032627
390	Chiba.phy.ne	148.134547	139.159183	140.125437	0.07283234
391	Chiba.phy.ne	146.901652	138.375448	138.86624	0.06431004
392	Chiba.phy.ne	143.904631	136.48951	137.186731	0.06302483
393	Chiba.phy.ne	143.457865	136.254084	136.15886	0.06250244
394	Chiba.phy.ne	149.534326	136.2887	140.072263	0.07643637
395	Chiba.phy.ne	148.138644	137.72372	139.917926	0.05906308
396	Chiba.phy.ne	151.125002	140.432786	142.213785	0.07412377
397	Chiba.phy.ne	149.652885	137.580853	141.800328	0.06120808
398	Chiba.phy.ne	148.46434	138.012921	140.282814	0.06176328
399	Chiba.phy.ne	150.950521	138.933816	142.021958	0.06456054
400	Chiba.phy.ne	145.672896	136.760576	137.337561	0.06345811
401	Cruzado.phy.	335.643555	318.26807	315.720728	0.02716931
402	Cruzado.phy.	355.073704	331.40341	327.840529	0.02754868
403	Cruzado.phy.	343.854322	325.905034	322.610284	0.02494477
404	Cruzado.phy.	344.369717	324.791006	320.145731	0.02932303
405	Cruzado.phy.	348.353073	326.520364	322.758963	0.02894781
406	Cruzado.phy.	350.232108	330.866303	326.388474	0.02843294
407	Cruzado.phy.	349.060033	327.320463	324.425584	0.02859233
408	Cruzado.phy.	341.896133	321.895397	320.731441	0.02593064
409	Cruzado.phy.	343.848038	323.766578	321.819142	0.02762074
410	Cruzado.phy.	336.374705	318.013238	317.571553	0.0238665
411	Cruzado.phy.	336.955018	319.884033	316.861252	0.02628981
412	Cruzado.phy.	333.482148	316.595915	313.469707	0.02944184
413	Cruzado.phy.	343.652534	320.770508	319.151077	0.02832
414	Cruzado.phy.	349.263457	327.912391	326.379655	0.02395058
415	Cruzado.phy.	339.750544	318.807517	318.000079	0.02687033
416	Cruzado.phy.	343.262308	324.970086	319.101535	0.02974327
417	Cruzado.phy.	341.187658	321.559785	319.211205	0.02655636
418	Cruzado.phy.	351.659474	328.696217	326.629401	0.02631765
419	Cruzado.phy.	354.048138	327.652611	323.7387	0.03051999
420	Cruzado.phy.	342.121074	323.849809	322.385874	0.02339419
421	Cruzado.phy.	350.750889	325.468498	322.206568	0.03343835
422	Cruzado.phy.	349.586508	328.325771	326.190503	0.02619497
423	Cruzado.phy.	338.245316	320.125323	319.40107	0.02592031
424	Cruzado.phy.	342.863798	321.352207	318.366035	0.02981625
425	Cruzado.phy.	339.124722	319.169757	317.981623	0.02773624
426	Cruzado.phy.	346.353067	324.409249	324.273933	0.02461594
427	Cruzado.phy.	339.212901	319.358243	317.322892	0.02793521
428	Cruzado.phy.	347.226883	324.309129	321.647075	0.02797232
429	Cruzado.phy.	353.357268	330.269647	324.203425	0.03136765

430 Cruzado.phy.	343.324785	323.416774	315.97897	0.03110374
431 Cruzado.phy.	349.44707	326.306654	323.604386	0.02711024
432 Cruzado.phy.	334.934494	318.31503	317.664247	0.02335539
433 Cruzado.phy.	350.012893	326.908763	325.462547	0.02885433
434 Cruzado.phy.	348.439498	326.476289	324.186274	0.02802885
435 Cruzado.phy.	341.797853	321.937225	322.099657	0.02328732
436 Cruzado.phy.	346.371579	324.645666	320.42513	0.02795427
437 Cruzado.phy.	345.997532	324.69083	322.78246	0.02757878
438 Cruzado.phy.	339.60648	320.156861	318.599136	0.02685107
439 Cruzado.phy.	346.314797	328.100118	324.65734	0.02311622
440 Cruzado.phy.	353.819514	330.796988	327.343995	0.02794157
441 Cruzado.phy.	344.79121	322.957541	320.957914	0.02824963
442 Cruzado.phy.	354.830437	327.09562	326.473725	0.03020577
443 Cruzado.phy.	342.075884	324.905138	320.234561	0.02743053
444 Cruzado.phy.	354.160961	331.042123	324.610521	0.03181775
445 Cruzado.phy.	357.155093	331.090265	328.811789	0.02930809
446 Cruzado.phy.	338.205061	319.677735	318.666275	0.02779761
447 Cruzado.phy.	335.344755	317.464106	317.230383	0.02350834
448 Cruzado.phy.	350.391475	326.610613	320.726872	0.03307097
449 Cruzado.phy.	334.259223	318.365979	315.746097	0.02609009
450 Cruzado.phy.	343.420126	320.677121	318.949345	0.02994197
451 Cruzado.phy.	343.929802	322.241062	321.2314	0.02550154
452 Cruzado.phy.	344.805321	323.605446	321.148668	0.02561078
453 Cruzado.phy.	338.334948	318.737041	316.357043	0.02875363
454 Cruzado.phy.	338.132001	318.335006	318.9185	0.02377344
455 Cruzado.phy.	348.775691	323.795882	323.359761	0.02606534
456 Cruzado.phy.	345.239764	324.684005	320.201294	0.02889051
457 Cruzado.phy.	344.494039	324.381857	320.628232	0.02761993
458 Cruzado.phy.	338.177112	320.786811	317.820104	0.02765749
459 Cruzado.phy.	348.157527	326.913131	326.189864	0.02566861
460 Cruzado.phy.	357.014027	331.202684	326.014691	0.03173424
461 Cruzado.phy.	340.921492	321.570464	316.966851	0.02895378
462 Cruzado.phy.	333.110259	317.681365	316.242006	0.02816278
463 Cruzado.phy.	347.550399	324.351965	323.270768	0.0271561
464 Cruzado.phy.	348.41229	325.977171	321.834401	0.0312518
465 Cruzado.phy.	342.870597	323.088143	320.641946	0.02472859
466 Cruzado.phy.	345.206449	325.40069	325.74745	0.02387
467 Cruzado.phy.	344.359378	322.378629	323.03873	0.02589133
468 Cruzado.phy.	356.1066	332.161988	325.632422	0.03107264
469 Cruzado.phy.	351.462647	328.544882	324.074917	0.02601925
470 Cruzado.phy.	341.138859	322.224557	320.56434	0.02363165
471 Cruzado.phy.	345.202965	322.89744	321.131217	0.02734728
472 Cruzado.phy.	346.699843	325.536377	323.081404	0.02541722

473 Cruzado.phy.	335.067187	317.368102	316.237791	0.02612555
474 Cruzado.phy.	358.307837	331.415773	324.624637	0.03305573
475 Cruzado.phy.	341.075555	322.648922	317.895039	0.02701456
476 Cruzado.phy.	349.831373	325.598665	325.176767	0.02566671
477 Cruzado.phy.	334.530563	317.50482	315.572805	0.02681627
478 Cruzado.phy.	352.263802	332.443037	327.723404	0.02568683
479 Cruzado.phy.	344.92725	322.439069	321.474177	0.02582512
480 Cruzado.phy.	350.216201	327.7634	324.026727	0.02817433
481 Cruzado.phy.	361.608858	334.989046	330.371144	0.02804747
482 Cruzado.phy.	355.246194	334.581563	331.752047	0.02232508
483 Cruzado.phy.	345.081966	323.455715	320.89673	0.02604575
484 Cruzado.phy.	341.451414	318.550356	315.751895	0.02977758
485 Cruzado.phy.	340.994332	321.708524	320.307812	0.02347163
486 Cruzado.phy.	345.922657	323.105842	323.612348	0.02397727
487 Cruzado.phy.	341.380633	321.37327	318.71358	0.02940941
488 Cruzado.phy.	347.391596	326.267933	322.386653	0.02605776
489 Cruzado.phy.	338.879883	321.897763	318.593699	0.02805026
490 Cruzado.phy.	337.553748	320.682192	318.913454	0.02660509
491 Cruzado.phy.	351.781062	328.419131	326.052333	0.0269834
492 Cruzado.phy.	341.520874	321.847416	320.191279	0.02707268
493 Cruzado.phy.	342.10676	322.292443	319.238616	0.02697681
494 Cruzado.phy.	356.372106	332.548424	329.811208	0.02853454
495 Cruzado.phy.	333.576007	316.234389	315.76652	0.02379567
496 Cruzado.phy.	337.343839	319.68844	318.44334	0.02592508
497 Cruzado.phy.	356.94946	330.77359	325.065722	0.03137473
498 Cruzado.phy.	342.827258	321.864719	320.572294	0.02793271
499 Cruzado.phy.	332.656113	316.149251	313.260547	0.02906216
500 Cruzado.phy.	341.35543	320.55007	317.41715	0.02996471
501 GonzalezRig.	441.369221	436.398535	432.017179	0.0095458
502 GonzalezRig.	444.897956	442.445864	438.678101	0.01110588
503 GonzalezRig.	430.670145	424.995962	423.820108	0.00823299
504 GonzalezRig.	439.596905	435.252689	430.396177	0.00982917
505 GonzalezRig.	443.339033	440.139582	435.292639	0.01112675
506 GonzalezRig.	443.567838	440.294762	436.366833	0.00980057
507 GonzalezRig.	446.788757	444.980754	439.860905	0.01064028
508 GonzalezRig.	441.442884	439.403442	434.08053	0.0090806
509 GonzalezRig.	443.033021	439.772035	434.364942	0.01078594
510 GonzalezRig.	431.664019	427.659275	425.332833	0.00804122
511 GonzalezRig.	439.941	435.774805	432.240001	0.00944291
512 GonzalezRig.	444.565865	441.10972	437.538224	0.01082587
513 GonzalezRig.	440.520591	438.925656	432.912889	0.00974117
514 GonzalezRig.	435.834303	432.348282	430.045195	0.00820158
515 GonzalezRig.	443.099376	440.849341	436.780363	0.01108989

516 GonzalezRig,	443.942769	442.045934	436.547319	0.01106783
517 GonzalezRig,	444.607804	444.552973	438.594906	0.01040396
518 GonzalezRig,	441.266987	438.767167	433.369193	0.0093135
519 GonzalezRig,	445.549402	444.177202	441.579758	0.00998257
520 GonzalezRig,	443.11736	440.878721	436.545779	0.00981814
521 GonzalezRig,	444.847386	443.084519	437.808225	0.01083004
522 GonzalezRig,	441.842683	437.366693	432.201716	0.0100912
523 GonzalezRig,	441.062432	436.997664	432.658877	0.01051832
524 GonzalezRig,	443.852268	441.334489	435.42931	0.0111334
525 GonzalezRig,	442.332969	440.082223	435.672722	0.00881424
526 GonzalezRig,	441.541618	436.237453	432.537207	0.00987436
527 GonzalezRig,	431.279525	427.04459	424.942361	0.00860103
528 GonzalezRig,	444.995709	441.982599	437.692665	0.01080311
529 GonzalezRig,	442.640239	441.266814	435.933355	0.01053875
530 GonzalezRig,	441.36225	438.393705	433.344775	0.00975051
531 GonzalezRig,	444.383087	442.516847	437.607808	0.01025432
532 GonzalezRig,	435.594722	427.769037	426.339207	0.00909178
533 GonzalezRig,	442.292901	438.312129	434.217328	0.01085124
534 GonzalezRig,	443.114519	439.640477	434.355176	0.00935618
535 GonzalezRig,	440.625978	435.519344	431.835056	0.00969336
536 GonzalezRig,	441.62817	437.761445	433.784622	0.00995955
537 GonzalezRig,	443.503014	439.640782	435.952378	0.00957808
538 GonzalezRig,	441.867734	439.391822	434.324593	0.00920715
539 GonzalezRig,	444.775374	445.345479	440.679677	0.01024986
540 GonzalezRig,	443.066165	440.423313	434.994627	0.01086696
541 GonzalezRig,	443.328649	442.293325	437.904456	0.00938178
542 GonzalezRig,	437.117765	429.160933	426.088197	0.00932813
543 GonzalezRig,	446.19375	445.560637	440.278339	0.00938922
544 GonzalezRig,	440.906584	437.708576	433.377794	0.00908995
545 GonzalezRig,	443.2835	439.471892	435.355204	0.0100872
546 GonzalezRig,	441.157418	436.397312	432.940487	0.00977036
547 GonzalezRig,	440.942385	438.085539	434.769277	0.00936641
548 GonzalezRig,	444.160155	442.037478	436.919099	0.00990321
549 GonzalezRig,	444.178182	441.682646	436.869666	0.00940384
550 GonzalezRig,	446.071805	445.503757	440.341521	0.00876128
551 GonzalezRig,	442.948246	439.694914	435.128333	0.00954871
552 GonzalezRig,	442.220436	435.926181	433.139101	0.01123681
553 GonzalezRig,	447.067448	444.810682	441.187001	0.01049222
554 GonzalezRig,	443.056032	440.687652	436.446703	0.0097811
555 GonzalezRig,	440.30688	438.60229	434.31554	0.00863227
556 GonzalezRig,	443.299831	440.533627	435.457879	0.01029427
557 GonzalezRig,	441.304592	438.952718	434.168449	0.00952807
558 GonzalezRig,	441.572049	438.886142	434.299622	0.00917547

559	GonzalezRig,	443.343464	437.697764	435.933475	0.01195674
560	GonzalezRig,	441.552621	438.669982	433.751599	0.00925466
561	GonzalezRig,	436.783076	431.004595	426.830578	0.01020953
562	GonzalezRig,	443.727348	439.623127	436.924811	0.00974165
563	GonzalezRig,	443.740018	440.290648	436.583859	0.01048166
564	GonzalezRig,	432.972496	428.09529	425.953235	0.00906727
565	GonzalezRig,	446.492488	446.758565	440.664772	0.01031429
566	GonzalezRig,	444.190636	441.585039	437.626862	0.0103622
567	GonzalezRig,	440.366436	435.348232	431.431803	0.01042597
568	GonzalezRig,	445.087728	444.586434	438.914151	0.00914962
569	GonzalezRig,	444.45107	443.122453	437.597142	0.00940588
570	GonzalezRig,	444.383115	442.216587	436.826589	0.01057195
571	GonzalezRig,	440.398856	435.953659	430.912162	0.00930301
572	GonzalezRig,	445.90935	445.48903	440.471978	0.01041837
573	GonzalezRig,	441.826698	438.879847	434.022585	0.00888424
574	GonzalezRig,	436.753802	433.89959	430.651597	0.0090729
575	GonzalezRig,	444.681387	443.000707	439.191145	0.00994103
576	GonzalezRig,	444.509071	442.748644	437.964852	0.01035868
577	GonzalezRig,	444.039035	443.213691	436.441614	0.0098617
578	GonzalezRig,	443.374499	441.897257	436.31135	0.00967497
579	GonzalezRig,	441.312315	438.462577	434.114622	0.00981653
580	GonzalezRig,	443.094463	440.437633	435.810198	0.01128071
581	GonzalezRig,	437.413188	429.803156	427.103849	0.00995987
582	GonzalezRig,	440.941895	439.205844	433.879425	0.00903307
583	GonzalezRig,	440.782147	439.220758	434.345734	0.00846965
584	GonzalezRig,	442.673436	440.897114	436.013565	0.00975538
585	GonzalezRig,	440.538412	434.153778	430.133354	0.00992427
586	GonzalezRig,	439.889135	437.241732	431.150277	0.00952976
587	GonzalezRig,	442.740638	439.861418	436.159189	0.00911192
588	GonzalezRig,	442.926879	440.206578	436.748967	0.00968796
589	GonzalezRig,	441.715613	440.634772	434.4347	0.00860141
590	GonzalezRig,	436.3065	430.758243	427.98857	0.00889886
591	GonzalezRig,	437.290898	430.391172	427.728218	0.00937607
592	GonzalezRig,	446.252829	445.095334	439.617182	0.01060098
593	GonzalezRig,	441.967332	439.343804	434.598698	0.00922058
594	GonzalezRig,	431.360159	425.988384	423.985013	0.00821269
595	GonzalezRig,	444.319068	441.341813	436.244777	0.01154019
596	GonzalezRig,	439.990519	434.995732	431.88259	0.009774
597	GonzalezRig,	434.551373	430.198447	426.40019	0.00860632
598	GonzalezRig,	442.884292	440.723343	436.034802	0.00907407
599	GonzalezRig,	443.645035	440.307028	437.040778	0.01111155
600	GonzalezRig,	441.441457	436.364505	433.408096	0.0093912
601	Mallon.phy.n	144.471233	136.847549	138.110172	0.06090675

602 Mallon.phy.n	147.178064	137.96219	141.472022	0.05324628
603 Mallon.phy.n	146.458832	140.600736	141.491987	0.06072159
604 Mallon.phy.n	148.286522	139.467622	141.189686	0.06754391
605 Mallon.phy.n	144.33613	135.597944	138.151326	0.06049003
606 Mallon.phy.n	145.62331	138.451115	139.127944	0.05660473
607 Mallon.phy.n	144.961606	137.88828	138.639225	0.05697411
608 Mallon.phy.n	145.983255	138.583362	139.681767	0.05708842
609 Mallon.phy.n	143.931113	135.767909	137.878596	0.06087638
610 Mallon.phy.n	144.641329	136.672651	137.587491	0.05581527
611 Mallon.phy.n	144.530297	138.541596	139.273782	0.05651171
612 Mallon.phy.n	144.672214	137.271801	139.082123	0.06213995
613 Mallon.phy.n	144.012379	137.431164	138.759501	0.05514296
614 Mallon.phy.n	146.428197	138.775011	140.522343	0.05786451
615 Mallon.phy.n	140.298238	135.389555	134.521708	0.06614713
616 Mallon.phy.n	147.037348	139.014773	140.098483	0.05656198
617 Mallon.phy.n	147.261267	139.134252	141.63113	0.05768056
618 Mallon.phy.n	144.992687	138.149254	139.561214	0.05554202
619 Mallon.phy.n	146.515503	139.09736	139.315576	0.05860528
620 Mallon.phy.n	145.395341	138.181814	139.870572	0.05465486
621 Mallon.phy.n	145.240804	137.755284	138.842879	0.05092286
622 Mallon.phy.n	144.207433	139.089732	138.574839	0.06304589
623 Mallon.phy.n	141.67954	136.07851	135.282704	0.06049259
624 Mallon.phy.n	142.419344	136.517918	135.627067	0.06252978
625 Mallon.phy.n	145.428259	138.707797	139.263121	0.05967565
626 Mallon.phy.n	146.362854	138.988052	139.837756	0.05684634
627 Mallon.phy.n	145.144975	138.850831	139.771036	0.05480322
628 Mallon.phy.n	147.386632	138.280606	139.861781	0.06551295
629 Mallon.phy.n	141.690501	135.821996	135.294448	0.06368571
630 Mallon.phy.n	145.676424	137.220052	140.264693	0.0517591
631 Mallon.phy.n	146.102327	137.628397	137.914112	0.07596303
632 Mallon.phy.n	146.68376	139.015438	139.196174	0.05913124
633 Mallon.phy.n	145.528993	140.163821	139.978793	0.07273009
634 Mallon.phy.n	144.586186	138.32909	138.500812	0.06010989
635 Mallon.phy.n	146.324006	137.001404	139.613247	0.05714905
636 Mallon.phy.n	141.360155	136.034571	134.848984	0.06245181
637 Mallon.phy.n	146.718557	139.626024	140.301185	0.05353641
638 Mallon.phy.n	147.173175	137.568919	139.770586	0.05826392
639 Mallon.phy.n	143.436184	136.99254	134.258582	0.06725688
640 Mallon.phy.n	145.3932	137.748149	139.227481	0.05433286
641 Mallon.phy.n	145.173699	138.51007	138.844018	0.06317082
642 Mallon.phy.n	144.054943	136.150792	137.366616	0.05471612
643 Mallon.phy.n	142.888329	136.397385	136.80141	0.05427122
644 Mallon.phy.n	148.947479	139.76393	143.125546	0.05208869

645 Mallon.phy.n	147.248245	139.15477	141.267858	0.054299
646 Mallon.phy.n	144.028542	136.484296	137.372828	0.0568914
647 Mallon.phy.n	143.163484	137.271864	137.075798	0.05896771
648 Mallon.phy.n	140.349783	135.201906	133.035221	0.06419527
649 Mallon.phy.n	147.426228	140.304221	142.019717	0.05252793
650 Mallon.phy.n	144.821734	137.617725	139.252317	0.05228128
651 Mallon.phy.n	146.544048	138.71347	140.025269	0.06472753
652 Mallon.phy.n	148.016877	139.925939	141.984349	0.05760519
653 Mallon.phy.n	143.854063	136.500227	136.953211	0.05759488
654 Mallon.phy.n	144.881884	137.006781	138.652292	0.06163336
655 Mallon.phy.n	144.594394	137.099717	137.472844	0.06508641
656 Mallon.phy.n	144.873678	135.997544	138.570576	0.05815739
657 Mallon.phy.n	148.67225	138.896143	142.714615	0.0616238
658 Mallon.phy.n	145.061238	137.165246	137.755545	0.0581887
659 Mallon.phy.n	145.220279	138.331065	138.93724	0.06696183
660 Mallon.phy.n	146.194208	138.460364	140.952877	0.04885777
661 Mallon.phy.n	145.863329	137.766184	139.350084	0.05575076
662 Mallon.phy.n	145.569868	137.023737	138.456242	0.06064269
663 Mallon.phy.n	143.730484	136.577671	137.900861	0.05335023
664 Mallon.phy.n	147.060889	139.483568	141.309147	0.06075708
665 Mallon.phy.n	142.956661	136.222239	137.636746	0.05163538
666 Mallon.phy.n	142.790852	136.373343	136.347709	0.05630743
667 Mallon.phy.n	142.130618	137.402503	135.236003	0.05862452
668 Mallon.phy.n	145.708618	138.114818	139.112536	0.05358943
669 Mallon.phy.n	145.201171	137.505614	139.084885	0.05324459
670 Mallon.phy.n	143.087359	137.662469	136.690787	0.0645946
671 Mallon.phy.n	147.139136	138.587855	138.168152	0.05933282
672 Mallon.phy.n	146.409748	139.326677	138.967742	0.05942251
673 Mallon.phy.n	140.808782	136.289264	134.27928	0.06549255
674 Mallon.phy.n	144.416412	139.169231	138.897052	0.0560658
675 Mallon.phy.n	145.749899	138.06176	138.453275	0.05639085
676 Mallon.phy.n	147.655127	138.461556	141.274951	0.05245249
677 Mallon.phy.n	145.396771	137.550651	138.57734	0.0603489
678 Mallon.phy.n	140.353598	134.966176	134.881001	0.05762025
679 Mallon.phy.n	144.773324	137.155032	137.40486	0.05981493
680 Mallon.phy.n	146.776311	139.616992	142.184733	0.05352998
681 Mallon.phy.n	141.425532	136.216685	135.157981	0.06166942
682 Mallon.phy.n	143.022441	135.960657	136.844802	0.0566991
683 Mallon.phy.n	144.09476	137.196534	137.613593	0.05739886
684 Mallon.phy.n	145.759077	139.848478	139.619949	0.06276701
685 Mallon.phy.n	145.229162	136.763781	139.900484	0.0494012
686 Mallon.phy.n	148.057283	139.69484	139.422534	0.06252092
687 Mallon.phy.n	141.711032	135.839305	135.652825	0.0599241

688 Mallon.phy.n	142.407433	138.092047	136.382426	0.06632097
689 Mallon.phy.n	145.043646	138.051903	138.132384	0.05972812
690 Mallon.phy.n	144.266456	137.171247	137.579695	0.06446864
691 Mallon.phy.n	143.994779	137.406576	137.434191	0.05762836
692 Mallon.phy.n	142.230559	136.639328	135.739287	0.05729744
693 Mallon.phy.n	142.688315	136.851654	136.705642	0.05842281
694 Mallon.phy.n	145.328867	137.853244	139.752972	0.05349087
695 Mallon.phy.n	143.034829	137.093252	137.039217	0.06829026
696 Mallon.phy.n	146.637481	139.79574	141.019764	0.05673186
697 Mallon.phy.n	143.540576	137.84589	138.002935	0.05892442
698 Mallon.phy.n	142.961251	136.190678	136.373044	0.05900315
699 Mallon.phy.n	146.196696	137.870815	140.066784	0.05745044
700 Mallon.phy.n	140.195892	135.313961	134.16147	0.05843799
701 Raven.phy.n	118.966302	112.242606	114.778402	0.01257976
702 Raven.phy.n	118.807287	112.767101	114.612404	0.01322111
703 Raven.phy.n	118.845786	112.041254	114.267333	0.01343766
704 Raven.phy.n	118.98174	112.331515	114.745757	0.01226967
705 Raven.phy.n	119.514455	113.334224	115.460986	0.01168603
706 Raven.phy.n	118.382971	112.507791	114.572161	0.01200193
707 Raven.phy.n	119.363013	113.830992	115.320727	0.01260201
708 Raven.phy.n	119.475469	112.746593	114.597213	0.01369591
709 Raven.phy.n	119.199701	113.08066	114.773756	0.01329257
710 Raven.phy.n	118.741283	112.177542	114.46677	0.01263234
711 Raven.phy.n	119.858794	112.94371	115.184198	0.01236778
712 Raven.phy.n	118.505469	113.114228	114.845141	0.01198611
713 Raven.phy.n	119.240034	112.663929	114.833941	0.01274286
714 Raven.phy.n	119.846718	113.275092	115.187599	0.01253691
715 Raven.phy.n	119.177944	113.193352	114.628975	0.01330291
716 Raven.phy.n	119.368401	112.345969	114.391029	0.01342719
717 Raven.phy.n	119.242826	113.830397	114.934934	0.01184491
718 Raven.phy.n	119.346329	113.6946	114.614142	0.0127546
719 Raven.phy.n	119.274678	113.05574	114.796544	0.01247914
720 Raven.phy.n	118.922096	112.849745	114.610217	0.01295875
721 Raven.phy.n	119.162029	112.575901	114.419171	0.01285918
722 Raven.phy.n	119.293609	113.576742	115.552075	0.01186326
723 Raven.phy.n	118.863738	112.842804	114.847366	0.01212305
724 Raven.phy.n	117.944644	112.73945	114.133476	0.01327224
725 Raven.phy.n	118.865396	112.459048	114.611525	0.01271852
726 Raven.phy.n	118.372366	112.580529	114.213501	0.01349634
727 Raven.phy.n	118.276957	111.711578	113.843946	0.01386386
728 Raven.phy.n	119.619674	113.347488	115.212342	0.01321155
729 Raven.phy.n	119.652453	113.643292	115.415824	0.01205507
730 Raven.phy.n	118.544285	113.008172	114.551478	0.01294601

731 Raven.phy.n	119.471858	113.901402	115.269223	0.0118169
732 Raven.phy.n	118.873353	112.822054	114.691229	0.01182799
733 Raven.phy.n	119.179228	112.991619	114.636161	0.01339147
734 Raven.phy.n	119.481022	113.401404	115.143764	0.01124578
735 Raven.phy.n	118.484206	112.510436	114.450434	0.01236551
736 Raven.phy.n	119.154822	112.915105	114.656901	0.01295842
737 Raven.phy.n	118.59435	113.843474	114.768664	0.01218574
738 Raven.phy.n	118.753116	113.131237	114.762785	0.01268179
739 Raven.phy.n	120.130593	113.275522	115.63647	0.01300416
740 Raven.phy.n	119.123669	113.258782	115.057876	0.01265945
741 Raven.phy.n	119.752241	112.934056	115.383348	0.01329685
742 Raven.phy.n	118.870263	112.536128	114.669727	0.01251632
743 Raven.phy.n	118.599522	112.697363	114.520592	0.01208566
744 Raven.phy.n	119.007826	114.016754	114.826911	0.01284794
745 Raven.phy.n	118.500357	112.944345	114.590627	0.0124924
746 Raven.phy.n	119.687835	113.355659	114.976354	0.01315388
747 Raven.phy.n	119.415984	113.461322	114.985032	0.01302936
748 Raven.phy.n	119.629091	112.508418	114.906187	0.0129702
749 Raven.phy.n	119.278233	112.35574	114.623672	0.01293913
750 Raven.phy.n	119.779306	113.106971	115.182187	0.01367456
751 Raven.phy.n	118.833104	113.018888	114.65905	0.01287757
752 Raven.phy.n	119.547912	113.321953	115.366152	0.01299448
753 Raven.phy.n	119.769191	113.152625	114.900696	0.01291234
754 Raven.phy.n	118.360999	112.767276	114.51233	0.01282747
755 Raven.phy.n	119.6926	113.491807	115.35053	0.01235883
756 Raven.phy.n	120.081555	114.364396	115.765685	0.01166441
757 Raven.phy.n	119.252964	113.205584	114.640771	0.01307017
758 Raven.phy.n	118.854681	113.269152	114.731475	0.01363494
759 Raven.phy.n	119.244159	112.375847	114.816683	0.01315344
760 Raven.phy.n	119.450237	113.760584	115.101231	0.01225862
761 Raven.phy.n	118.794882	111.878934	114.193833	0.01278565
762 Raven.phy.n	119.370766	112.523678	114.537612	0.01190984
763 Raven.phy.n	119.448047	113.431869	115.211675	0.01195126
764 Raven.phy.n	118.023468	112.0618	114.183669	0.01216649
765 Raven.phy.n	118.840964	112.302111	114.471912	0.0134338
766 Raven.phy.n	119.140506	113.358863	115.144013	0.01231546
767 Raven.phy.n	118.523708	112.115336	114.112128	0.01335325
768 Raven.phy.n	118.104923	112.960383	114.211952	0.01206124
769 Raven.phy.n	119.923246	113.551147	114.99241	0.01316133
770 Raven.phy.n	119.554541	114.476592	115.71074	0.01172947
771 Raven.phy.n	120.169451	113.693706	115.248612	0.01298804
772 Raven.phy.n	119.914963	113.730946	115.402541	0.01219915
773 Raven.phy.n	119.042319	112.460469	114.798879	0.01345382

774 Raven.phy.n	118.375451	113.107862	114.881187	0.01256975
775 Raven.phy.n	118.960001	113.006225	114.815579	0.01228523
776 Raven.phy.n	119.94142	113.237506	115.333524	0.01155819
777 Raven.phy.n	119.443526	113.207503	115.013388	0.01316455
778 Raven.phy.n	118.009883	112.15541	114.16549	0.01247952
779 Raven.phy.n	118.911115	113.703519	115.325295	0.01252813
780 Raven.phy.n	118.045123	111.620699	113.877175	0.01315226
781 Raven.phy.n	119.617438	112.775365	115.309048	0.01257603
782 Raven.phy.n	117.904096	112.3337	114.008581	0.01246044
783 Raven.phy.n	118.861396	112.657119	114.554816	0.01208618
784 Raven.phy.n	118.867377	112.94032	114.981498	0.0125471
785 Raven.phy.n	119.061588	113.571963	114.862123	0.01224642
786 Raven.phy.n	119.08379	113.33025	114.769115	0.01283229
787 Raven.phy.n	119.009231	113.781524	115.097213	0.01254779
788 Raven.phy.n	119.652539	113.866944	115.568788	0.01125894
789 Raven.phy.n	118.933759	112.993461	114.36357	0.01370485
790 Raven.phy.n	119.189617	112.558937	114.775956	0.01147043
791 Raven.phy.n	119.591492	112.725474	114.998235	0.01229338
792 Raven.phy.n	118.85477	113.105633	114.465607	0.01302269
793 Raven.phy.n	118.932695	113.002452	114.973007	0.01236263
794 Raven.phy.n	120.145881	113.848943	115.885452	0.01185483
795 Raven.phy.n	118.614038	112.590385	114.934341	0.01222969
796 Raven.phy.n	118.798843	113.639653	115.043903	0.0126418
797 Raven.phy.n	118.69605	112.622146	114.497341	0.01235091
798 Raven.phy.n	118.788418	112.327459	114.559033	0.01255322
799 Raven.phy.n	119.16537	114.138628	115.268297	0.01159098
800 Raven.phy.n	118.635279	112.466431	114.347551	0.01376754
801 Thompson.pt	270.965295	242.803219	248.252445	0.01044782
802 Thompson.pt	271.226218	242.007536	249.230517	0.0101427
803 Thompson.pt	270.377087	243.17662	248.931389	0.0097608
804 Thompson.pt	270.781348	242.42693	247.195259	0.01078416
805 Thompson.pt	271.57701	243.18677	249.16919	0.01038117
806 Thompson.pt	270.625198	240.512905	247.110229	0.01001038
807 Thompson.pt	271.960119	243.855529	248.697139	0.01078598
808 Thompson.pt	269.72205	241.688431	247.978577	0.01022905
809 Thompson.pt	269.8332	241.080824	247.244354	0.01051474
810 Thompson.pt	274.026662	248.312619	253.520806	0.01004452
811 Thompson.pt	268.893239	243.391733	248.43128	0.00967752
812 Thompson.pt	270.980637	244.708304	248.004472	0.01131489
813 Thompson.pt	272.168619	248.405108	251.633667	0.01066768
814 Thompson.pt	269.430857	243.71543	248.675864	0.01006421
815 Thompson.pt	271.22658	243.645866	249.906175	0.01010207
816 Thompson.pt	272.539717	245.148929	251.663013	0.00968342

817 Thompson.pt	270.551958	241.769204	247.718932	0.01021464
818 Thompson.pt	269.98456	240.665768	247.950626	0.01025051
819 Thompson.pt	271.467915	244.641195	249.985018	0.01078413
820 Thompson.pt	273.006957	247.271276	255.04398	0.0097732
821 Thompson.pt	269.232637	241.952047	250.522664	0.00961475
822 Thompson.pt	266.135644	240.469804	245.37647	0.01013058
823 Thompson.pt	267.227628	240.802636	247.296501	0.00970026
824 Thompson.pt	271.504551	246.421188	252.332004	0.0093274
825 Thompson.pt	271.882761	244.114414	251.635927	0.00950404
826 Thompson.pt	269.598904	240.398284	247.59756	0.00986759
827 Thompson.pt	270.993381	243.309376	249.591827	0.00978022
828 Thompson.pt	268.931707	242.356952	249.378107	0.00995203
829 Thompson.pt	271.98796	240.740358	246.660181	0.0114443
830 Thompson.pt	269.996487	240.004652	246.115656	0.01141167
831 Thompson.pt	270.786305	240.503233	245.993072	0.01090392
832 Thompson.pt	269.754014	239.827278	246.391113	0.01028753
833 Thompson.pt	271.338731	244.450048	249.165375	0.01042906
834 Thompson.pt	270.793703	242.663228	248.419472	0.01045333
835 Thompson.pt	271.33114	243.838734	250.259393	0.01006831
836 Thompson.pt	272.855292	242.880591	249.699357	0.01017087
837 Thompson.pt	268.471904	242.196535	246.271685	0.00982354
838 Thompson.pt	270.636056	241.35767	248.214386	0.0104637
839 Thompson.pt	268.117803	243.602971	247.940577	0.00952255
840 Thompson.pt	271.067278	243.042401	248.454264	0.01007119
841 Thompson.pt	269.247741	244.164539	247.664108	0.01044954
842 Thompson.pt	271.002072	240.199751	246.780812	0.01052348
843 Thompson.pt	270.982803	242.662713	250.465079	0.00973712
844 Thompson.pt	273.612462	245.470255	252.414846	0.009659
845 Thompson.pt	270.408849	241.13113	249.231459	0.00957746
846 Thompson.pt	268.094349	242.488965	247.166048	0.0097836
847 Thompson.pt	270.901186	242.073638	247.791751	0.0105022
848 Thompson.pt	269.840343	240.740266	246.489257	0.01056843
849 Thompson.pt	270.006017	242.015307	246.757914	0.01057736
850 Thompson.pt	270.938304	242.769778	248.171432	0.0100909
851 Thompson.pt	270.079287	240.197862	246.318274	0.01103099
852 Thompson.pt	272.199039	243.362471	249.05589	0.0101482
853 Thompson.pt	270.392386	242.17346	248.234128	0.01009478
854 Thompson.pt	271.134732	244.147068	249.871806	0.01009942
855 Thompson.pt	265.718396	239.45871	247.505546	0.00946127
856 Thompson.pt	271.164223	243.185389	247.386539	0.01074008
857 Thompson.pt	273.670245	244.774363	252.711433	0.00987568
858 Thompson.pt	271.395516	243.074678	247.90921	0.01079445
859 Thompson.pt	274.036229	249.256897	253.500559	0.01026042

860 Thompson.pl	269.529726	239.096055	247.831728	0.00990098
861 Thompson.pl	271.474332	245.170702	249.907803	0.01064955
862 Thompson.pl	271.055895	243.676062	248.06356	0.01046415
863 Thompson.pl	272.317101	245.548395	250.262836	0.01044206
864 Thompson.pl	269.546952	238.945251	246.70154	0.01030231
865 Thompson.pl	269.295558	241.617313	247.146797	0.01025054
866 Thompson.pl	272.478429	243.198321	249.043192	0.00996912
867 Thompson.pl	273.526088	245.42887	251.26059	0.01045854
868 Thompson.pl	270.014966	240.503588	248.579596	0.0104874
869 Thompson.pl	268.954419	241.124573	247.641117	0.00994133
870 Thompson.pl	272.36194	244.127794	249.618358	0.01024389
871 Thompson.pl	271.850709	242.02043	246.29581	0.01095489
872 Thompson.pl	272.280331	248.107803	254.623786	0.00975303
873 Thompson.pl	269.193618	242.479169	250.172157	0.00960654
874 Thompson.pl	267.122831	242.842655	248.039307	0.0095701
875 Thompson.pl	271.476242	242.69272	249.993953	0.01012915
876 Thompson.pl	269.733676	243.420142	246.665471	0.01086514
877 Thompson.pl	270.809698	241.999478	249.478769	0.00972444
878 Thompson.pl	271.120208	242.949506	247.293508	0.01098935
879 Thompson.pl	268.275085	240.973049	246.851519	0.01028096
880 Thompson.pl	270.89731	241.63885	248.550071	0.01081688
881 Thompson.pl	265.944874	241.734772	246.468936	0.0097371
882 Thompson.pl	270.348263	242.674779	249.958696	0.00985092
883 Thompson.pl	267.984791	240.545661	247.566707	0.00965989
884 Thompson.pl	270.770021	243.34633	247.574524	0.01002142
885 Thompson.pl	271.827144	242.719779	248.924695	0.01009771
886 Thompson.pl	269.873583	242.898749	248.124894	0.01015266
887 Thompson.pl	270.075282	242.356415	249.014828	0.0101032
888 Thompson.pl	272.446017	243.441197	250.876284	0.00995242
889 Thompson.pl	269.483785	242.583059	247.294386	0.01093865
890 Thompson.pl	265.58503	239.418558	245.875858	0.01001845
891 Thompson.pl	270.424757	243.233504	249.34663	0.01024415
892 Thompson.pl	272.106605	244.569138	251.691894	0.01004993
893 Thompson.pl	270.046617	241.833057	247.661068	0.01053415
894 Thompson.pl	271.992368	245.960167	250.252687	0.0099935
895 Thompson.pl	273.211351	244.128851	251.728338	0.01029933
896 Thompson.pl	274.155194	245.720358	252.891984	0.01042216
897 Thompson.pl	266.187104	239.919206	245.290008	0.00994583
898 Thompson.pl	271.018375	242.899844	249.171018	0.0103721
899 Thompson.pl	273.508316	246.202376	251.577271	0.0103111
900 Thompson.pl	265.868947	239.937366	245.866905	0.00932058
901 benson1_FA	3800.9067	3752.22163	3730.84471	0.00560844
902 benson1_LAI	3729.69219	3625.95521	3628.66015	0.00649501

903	benson1_mic	3748.06769	3667.03695	3660.79255	0.00592435
904	benson2_FAI	3769.11155	3708.44696	3690.33024	0.00566797
905	benson2_LAI	3696.9596	3585.15441	3591.29655	0.00653185
906	benson2_mic	3716.9859	3624.0029	3623.01284	0.00592946
907	lloyd_FAD.txt	2622.13492	2620.77991	2593.44794	0.00524042
908	lloyd_LAD.txt	2587.40626	2556.06235	2541.69681	0.00591868
909	lloyd_midpoir	2571.07639	2547.3892	2534.14869	0.00554233

null_lower9	null_upper9	null_ess	null_pMCMC	slow_post	slow_post
0.00902458	0.02106254	359.772499	0.00222222	0.04456509	-1.86E-04
0.00753693	0.0200359	450	0.00222222	0.04399303	-1.80E-04
0.0068063	0.01824265	450	0.00222222	0.04432669	-1.86E-04
0.0083289	0.01903906	450	0.00222222	0.04254233	-1.69E-04
0.00726981	0.01880922	536.187717	0.00222222	0.04153804	-1.62E-04
0.00760204	0.01947815	456.871952	0.00222222	0.04543305	-1.92E-04
0.00888664	0.02041934	487.116417	0.00222222	0.04241531	-1.67E-04
0.00897096	0.01985946	450	0.00222222	0.0422095	-1.65E-04
0.008434	0.01888988	450	0.00222222	0.04182361	-1.63E-04
0.00821413	0.01967108	450	0.00222222	0.04288251	-1.72E-04
0.00772649	0.0185576	450	0.00222222	0.04331678	-1.76E-04
0.00821817	0.01900761	411.924975	0.00222222	0.04333881	-1.75E-04
0.00824899	0.01938733	279.16352	0.00222222	0.04186159	-1.63E-04
0.00818802	0.01917278	379.75831	0.00222222	0.04230921	-1.68E-04
0.00798442	0.02010978	450	0.00222222	0.04307621	-1.73E-04
0.00906117	0.0200926	450	0.00222222	0.04168596	-1.61E-04
0.0074916	0.01888086	450	0.00222222	0.04265767	-1.69E-04
0.0072748	0.01929198	538.361821	0.00222222	0.04444415	-1.84E-04
0.00861015	0.01957307	450	0.00222222	0.04297767	-1.73E-04
0.00626974	0.01907079	450	0.00222222	0.04395442	-1.81E-04
0.00813634	0.0198078	364.324812	0.00222222	0.04178935	-1.62E-04
0.00757918	0.01888409	379.759422	0.00222222	0.04452752	-1.87E-04
0.00748353	0.01954328	450	0.00222222	0.04416937	-1.81E-04
0.00665312	0.01921918	555.556327	0.00222222	0.04476191	-1.88E-04
0.0070708	0.01941359	450	0.00222222	0.0443605	-1.83E-04
0.00862314	0.01983339	450	0.00222222	0.04324717	-1.73E-04
0.00783302	0.02016201	450	0.00222222	0.04450675	-1.85E-04
0.0083299	0.01927072	450	0.00222222	0.04367027	-1.78E-04
0.00657274	0.01789357	342.805293	0.00222222	0.04270556	-1.71E-04
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0.00882663	0.020768	351.25465	0.00444444	0.04499084	-1.88E-04
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0.00743457	0.01866626	286.854059	0.00222222	0.04312729	-1.73E-04
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0.00720579	0.01803168	392.061294	0.00222222	0.04447492	-1.86E-04
0.00793241	0.01974762	564.735908	0.00222222	0.04171169	-1.60E-04
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-1.60E-05	0.00724069	450	0.04888889	0.05146236	-2.27E-04
7.57E-05	0.00724058	376.236445	0.03555556	0.05172335	-2.31E-04
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5.03E-04	0.00817121	450	0.04888889	0.04944741	-2.11E-04
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7.12E-05	0.00718489	420.196678	0.03555556	0.05381902	-2.48E-04
8.37E-04	0.00829271	450	0.02666667	0.05285025	-2.40E-04
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4.38E-04	0.00786113	450	0.03555556	0.05103433	-2.24E-04
4.21E-05	0.00749703	368.668807	0.04444444	0.05281169	-2.39E-04
7.01E-04	0.00798381	450	0.03555556	0.05174979	-2.30E-04
9.89E-04	0.00803097	594.837226	0.00222222	0.0495869	-2.11E-04
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7.99E-04	0.00837079	450	0.04	0.05314821	-2.42E-04
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4.25E-04	0.00789004	450	0.05333333	0.05255467	-2.37E-04
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8.60E-04	0.00827909	450	0.03555556	0.05377143	-2.47E-04
6.65E-04	0.00768726	450	0.02222222	0.05267451	-2.38E-04
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8.87E-04	0.00886897	397.182732	0.00888889	0.05158686	-2.29E-04
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3.34E-04	0.00793612	450	0.03555556	0.05280639	-2.39E-04
4.67E-04	0.00819049	450	0.04	0.05315516	-2.42E-04
0.00132779	0.00881411	450	0.00888889	0.05032851	-2.18E-04
0.00182422	0.008986	450	0.01333333	0.05133701	-2.26E-04
4.37E-04	0.00792075	450	0.02222222	0.05298507	-2.40E-04
3.81E-04	0.00755698	450	0.04	0.05209117	-2.33E-04
9.80E-04	0.00826442	270.074705	0.01777778	0.05240244	-2.35E-04
7.22E-04	0.00874741	450	0.01777778	0.05307648	-2.41E-04
0.00153281	0.00861539	526.307263	0.00444444	0.04971222	-2.13E-04
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0.00257688	0.00939649	450	0.00222222	0.04790706	-1.99E-04
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0.00103371	0.00818631	606.778546	0.01333333	0.04946861	-2.10E-04
5.29E-04	0.00768372	450	0.04	0.05252406	-2.37E-04
7.38E-04	0.00790221	526.891207	0.00888889	0.05145993	-2.28E-04
8.28E-04	0.00767691	450	0.04888889	0.0507148	-2.22E-04
6.27E-04	0.00802184	388.682103	0.02222222	0.05352146	-2.45E-04
9.59E-04	0.0084482	450	0.02222222	0.05097157	-2.24E-04
9.56E-05	0.0068918	450	0.01333333	0.0534037	-2.44E-04
0.00175438	0.00793111	450	0.00444444	0.04772483	-1.97E-04
-3.05E-04	0.0071666	544.115881	0.05777778	0.05311531	-2.41E-04
6.56E-04	0.00772724	450	0.02666667	0.0517577	-2.30E-04
0.00134471	0.00883843	450	0.00222222	0.04962491	-2.12E-04
0.00205206	0.00885949	450	0.00888889	0.04850249	-2.04E-04
3.77E-04	0.00773443	450	0.02666667	0.05141763	-2.27E-04
2.84E-04	0.0077957	450	0.01777778	0.05181968	-2.31E-04
6.45E-04	0.00775953	450	0.02666667	0.05201067	-2.32E-04
8.78E-04	0.00811595	450	0.02666667	0.05211038	-2.33E-04
0.00106258	0.00799254	385.825017	0.00444444	0.05130442	-2.26E-04
0.00124056	0.00829805	450	0.01333333	0.04988029	-2.14E-04
7.16E-04	0.00793356	450	0.03555556	0.0495142	-2.12E-04

6.60E-04	0.00790077	524.019974	0.03555556	0.05453772	-2.55E-04
9.02E-04	0.00747844	450	0.00888889	0.04953802	-2.12E-04
0.00179296	0.0084754	450	0.00444444	0.04845993	-2.03E-04
4.95E-04	0.00762059	450	0.03111111	0.05193492	-2.32E-04
2.12E-04	0.0070691	450	0.01777778	0.05209746	-2.33E-04
7.13E-04	0.00821865	450	0.02666667	0.05275155	-2.39E-04
5.40E-04	0.00744548	341.408017	0.01333333	0.04993539	-2.15E-04
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9.82E-04	0.00847076	450	0.03111111	0.05137552	-2.26E-04
8.66E-04	0.0083044	450	0.00444444	0.05216986	-2.33E-04
1.53E-04	0.00742838	450	0.05777778	0.05481097	-2.57E-04
7.86E-04	0.00806511	450	0.02666667	0.04980578	-2.14E-04
0.00187467	0.00852343	450	0.00444444	0.04949797	-2.11E-04
0.0013321	0.00846451	571.647403	0.00888889	0.05201324	-2.33E-04
0.00178759	0.00861773	450	0.00222222	0.04984941	-2.14E-04
8.62E-04	0.0082296	372.742439	0.00888889	0.04907931	-2.08E-04
7.51E-04	0.00738052	525.859898	0.00444444	0.04987297	-2.14E-04
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2.41E-04	0.007942	588.834566	0.03111111	0.05558216	-2.64E-04
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6.66E-04	0.00713086	348.455222	0.01333333	0.05426656	-2.52E-04
8.45E-04	0.00779747	360.214902	0.00888889	0.05267896	-2.38E-04
4.34E-04	0.00768657	573.274578	0.01777778	0.05238884	-2.35E-04
0.00187554	0.00886	450	0.00444444	0.05156892	-2.28E-04
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9.32E-04	0.0083434	450	0.02222222	0.0503252	-2.18E-04
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0.03542723	0.09602151	450	0.00222222	0.19944349	-0.00533456
0.04384827	0.09715759	450	0.00444444	0.18872154	-0.00476838

0.0403508	0.10648566	450	0.00222222	0.20288256	-0.00541036
0.02504576	0.07896232	450	0.00444444	0.19437292	-0.00503652
0.02859474	0.08776411	548.279216	0.00444444	0.20488324	-0.00540485
0.04177982	0.10083823	516.162396	0.00222222	0.20326344	-0.00542964
0.03644723	0.0900288	405.226761	0.00222222	0.18040304	-0.00435346
0.03703933	0.08926603	450	0.00222222	0.18115037	-0.00442839
0.03554793	0.09146257	450	0.00444444	0.18723555	-0.00463842
0.04485162	0.10607175	450	0.00222222	0.23241433	-0.00692071
0.02830833	0.08824188	450	0.00444444	0.18983382	-0.00476575
0.04478132	0.1028208	450	0.00222222	0.21038961	-0.00585768
0.03358293	0.09115556	450	0.00222222	0.20570225	-0.00547912
0.02949951	0.08872808	450	0.00444444	0.20781249	-0.00562034
0.03473007	0.0906576	373.030045	0.00444444	0.21171537	-0.0057064
0.03334262	0.0934257	450	0.00222222	0.18092602	-0.00429321
0.01544659	0.03639166	375.459962	0.00222222	0.07686304	-5.99E-04
0.01719981	0.03817507	379.301112	0.00222222	0.08611744	-7.57E-04
0.01344622	0.03748452	450	0.00222222	0.08222755	-7.05E-04
0.01886135	0.04066906	450	0.00222222	0.07861226	-6.17E-04
0.01639702	0.04029319	450	0.00222222	0.08821421	-7.81E-04
0.01545784	0.03800769	450	0.00222222	0.08041113	-6.79E-04
0.01754795	0.0381048	384.641346	0.00222222	0.08632093	-7.69E-04
0.01596051	0.03825154	744.596521	0.00222222	0.07999772	-6.61E-04
0.0148322	0.03881794	391.712632	0.00222222	0.08567044	-7.37E-04
0.01321765	0.03432723	205.964733	0.00222222	0.0754319	-5.76E-04
0.01173098	0.03628039	314.469617	0.00222222	0.07472335	-5.73E-04
0.01578457	0.03990022	358.078605	0.00222222	0.07444311	-5.48E-04
0.01629693	0.0388091	278.6356	0.00222222	0.08431319	-6.91E-04
0.01345766	0.0360099	450	0.00222222	0.09188267	-8.45E-04
0.0156482	0.0361851	513.70379	0.00222222	0.07445061	-5.72E-04
0.01955177	0.04119205	450	0.00222222	0.06994512	-4.99E-04
0.01571279	0.03697505	450	0.00222222	0.07433849	-5.66E-04
0.01454164	0.03854092	450	0.00222222	0.09039072	-8.21E-04
0.02025278	0.04242502	450	0.00222222	0.08743006	-7.63E-04
0.0133896	0.03615629	353.536458	0.00222222	0.0778566	-6.46E-04
0.02439414	0.0441902	391.590925	0.00222222	0.08266069	-6.96E-04
0.01401933	0.03697016	339.399461	0.00222222	0.08867965	-8.05E-04
0.01533851	0.03582954	450	0.00222222	0.07280424	-5.43E-04
0.02026426	0.04263759	450	0.00222222	0.07954919	-6.38E-04
0.01796274	0.03956201	450	0.00222222	0.07625754	-6.05E-04
0.01275351	0.03846105	450	0.00444444	0.09355445	-8.72E-04
0.01788579	0.03899027	347.049622	0.00222222	0.0804832	-6.42E-04
0.01702291	0.03845003	450	0.00222222	0.08419569	-7.26E-04
0.01862506	0.04421725	349.015984	0.00222222	0.08460854	-7.21E-04

0.01582474	0.04210245	450	0.00222222	0.08908432	-7.50E-04
0.01597482	0.03697974	379.78067	0.00222222	0.08059576	-6.69E-04
0.01347041	0.03281779	450	0.00222222	0.07158252	-5.33E-04
0.01772064	0.0393655	450	0.00222222	0.08323078	-7.31E-04
0.01445124	0.03826239	389.003301	0.00222222	0.08602921	-7.48E-04
0.01140841	0.03476553	291.797274	0.00222222	0.08618885	-7.62E-04
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0.01842608	0.04137604	450	0.00222222	0.09642316	-9.20E-04
0.01492741	0.03592097	450	0.00222222	0.07208021	-5.50E-04
0.01988257	0.0439006	345.340375	0.00222222	0.08541062	-7.24E-04
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0.01543963	0.03946791	450	0.00222222	0.08459368	-7.27E-04
0.0133104	0.03573524	450	0.00222222	0.07839333	-6.41E-04
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0.01469863	0.03565814	450	0.00222222	0.07868584	-6.38E-04
0.01863019	0.03885638	270.381653	0.00222222	0.07724612	-5.97E-04
0.01176131	0.03294532	294.063149	0.00222222	0.07236225	-5.52E-04
0.01400652	0.03686903	601.633183	0.00222222	0.09517103	-8.80E-04
0.01560128	0.04129126	371.875473	0.00222222	0.0866547	-7.57E-04
0.01643304	0.03857222	450	0.00222222	0.07733754	-6.07E-04
0.01568818	0.03880153	450	0.00222222	0.06991807	-5.20E-04
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0.01736934	0.03778597	353.016802	0.00222222	0.06915638	-4.99E-04
0.01600071	0.03739978	349.303421	0.00222222	0.08679457	-7.60E-04
0.02138656	0.04194255	450	0.00222222	0.07393907	-5.43E-04
0.01358381	0.03694357	220.363247	0.00222222	0.0755631	-5.86E-04
0.01267315	0.03505819	450	0.00222222	0.08923691	-8.23E-04
0.0136755	0.03735472	342.1664	0.00222222	0.09621552	-9.07E-04
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0.01221566	0.03612217	450	0.00222222	0.07524752	-5.95E-04
0.01514087	0.03972136	450	0.00222222	0.08893381	-7.77E-04
0.01270892	0.03703981	450	0.00222222	0.08789564	-7.78E-04

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0.01428525	0.03982909	450	0.00222222	0.09444724	-8.90E-04
0.01525838	0.03612815	450	0.00222222	0.0715286	-5.37E-04
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0.00381508	0.01865574	450	0.00888889	0.06743942	-4.85E-04
1.13E-04	0.01530139	450	0.04	0.05786032	-3.99E-04
0.00268768	0.01715104	348.725786	0.00444444	0.06135676	-4.15E-04
0.00292306	0.02005457	531.089402	0.00444444	0.06687532	-4.83E-04
0.00204171	0.01699075	450	0.00888889	0.06372679	-4.70E-04
0.00268805	0.0179304	387.310091	0.01333333	0.06865671	-4.98E-04
0.00150858	0.01639409	450	0.00888889	0.05949342	-4.21E-04
0.00300537	0.01974545	450	0.01777778	0.06898588	-4.81E-04
0.00114132	0.0148055	450	0.03111111	0.05431221	-3.71E-04
0.00129361	0.01672172	564.192693	0.01333333	0.06200935	-4.48E-04
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0.00161836	0.0181962	450	0.03111111	0.06158497	-4.49E-04
8.47E-05	0.01530214	450	0.03555556	0.05873903	-4.13E-04
0.00270561	0.01970348	450	0.02666667	0.06701894	-4.91E-04

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0.00151214	0.01852571	450	0.01777778	0.06467794	-4.69E-04
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0.00286384	0.01827787	450	0.02222222	0.06504065	-4.66E-04
0.00267117	0.0182199	450	0.01333333	0.06316014	-4.61E-04
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0.00306735	0.01921851	529.384944	0.00444444	0.06556724	-4.65E-04
2.68E-04	0.01572049	348.378617	0.04	0.05944629	-4.39E-04
0.00286897	0.01788385	450	0.00222222	0.06427545	-4.65E-04
0.00145452	0.01567858	338.473387	0.01333333	0.05855209	-4.10E-04
0.00308513	0.02042135	450	0.01333333	0.06947409	-5.16E-04
0.0024508	0.0186952	640.702065	0.00888889	0.06133793	-4.44E-04
9.22E-05	0.01672611	561.995474	0.01777778	0.06381479	-4.62E-04
0.0017024	0.01844425	450	0.01777778	0.06644375	-4.84E-04
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0.00222663	0.01829844	450	0.02222222	0.06627547	-4.69E-04
0.00148169	0.01806507	703.88893	0.02222222	0.05998446	-4.31E-04
0.00166001	0.01717008	383.351199	0.02222222	0.06686472	-4.81E-04
0.00139828	0.01632263	450	0.02222222	0.05969672	-4.42E-04
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0.00213469	0.01737026	450	0.01333333	0.06550247	-4.70E-04
0.00282926	0.01766757	450	0.00888889	0.06269133	-4.23E-04
0.00114796	0.01780562	450	0.04	0.06274433	-4.46E-04
0.0017194	0.01850652	450	0.00888889	0.06429379	-4.73E-04
6.45E-04	0.01747913	450	0.03111111	0.06337982	-4.66E-04
4.49E-04	0.01762853	450	0.05333333	0.06131181	-4.57E-04
0.00161188	0.01756625	450	0.01777778	0.06464499	-4.84E-04
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0.00189978	0.01805073	450	0.03111111	0.06204902	-4.58E-04
6.92E-04	0.01661384	450	0.03555556	0.06078535	-4.38E-04
0.00268055	0.01713568	450.697582	0.00444444	0.05998397	-4.29E-04
2.72E-05	0.0162003	450	0.00888889	0.06111307	-4.37E-04
0.00125141	0.01598907	389.165187	0.00444444	0.05759316	-4.14E-04

0.00382821	0.02004088	450	0.00222222	0.0703754	-4.95E-04
1.82E-04	0.01677977	450	0.02666667	0.05884044	-4.30E-04
0.00271543	0.01758143	450	0.01777778	0.06169984	-4.16E-04
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0.0019739	0.01909015	450	0.04	0.06514081	-4.77E-04
0.0015667	0.01735162	450	0.00444444	0.0633669	-4.54E-04
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0.00165305	0.01626104	450	0.02666667	0.05978285	-4.18E-04
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0.00190163	0.01740504	393.426671	0.02222222	0.06571969	-4.63E-04
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6.41E-04	0.01726728	450	0.02666667	0.05994487	-4.34E-04
0.00260655	0.01838125	450	0.00222222	0.06467422	-4.69E-04
0.00351511	0.01801157	450	0.00888889	0.06326151	-4.16E-04
0.00137452	0.01785299	450	0.04	0.059574	-4.40E-04
0.00210391	0.01620417	450	0.00444444	0.06253574	-4.62E-04
7.82E-04	0.01707012	450	0.03555556	0.06363386	-4.63E-04
0.00137064	0.01722217	543.471264	0.02666667	0.06616669	-4.70E-04
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0.00200352	0.01758219	450	0.02222222	0.05901173	-4.32E-04
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0.00144196	0.01761118	450	0.04444444	0.05961414	-4.42E-04
2.46E-04	0.01540592	330.733359	0.01333333	0.05906011	-4.02E-04
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0.00266972	0.01803592	450	0.00888889	0.06746298	-4.90E-04
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8.83E-04	0.01555375	450	0.04444444	0.05453619	-3.72E-04
0.00373234	0.02053435	450	0.00444444	0.06528384	-4.63E-04
0.00296252	0.01621315	450	0.00888889	0.06204917	-4.29E-04
2.34E-04	0.01664262	450	0.04444444	0.06006968	-4.17E-04
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0.02504194	0.08389934	450	0.00444444	0.17621199	-0.00389206
0.02338505	0.08335363	450	0.00444444	0.16779206	-0.00366477
0.02342099	0.08733553	450	0.00444444	0.19135093	-0.00467282
0.02913373	0.09047952	408.931276	0.00444444	0.21883514	-0.00574792
0.02764762	0.08337075	450	0.00888889	0.17793872	-0.00394928
0.02705697	0.09091083	450	0.00222222	0.18801933	-0.00451492
0.02504183	0.0898229	450	0.00222222	0.21932578	-0.00598688
0.0251535	0.08291268	450	0.00222222	0.18892781	-0.00450098
0.02417661	0.08330534	450	0.00222222	0.20081234	-0.00493164
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0.02833452	0.08235906	450	0.00222222	0.17387023	-0.00385393
0.02137701	0.08494483	362.004452	0.00222222	0.20069379	-0.00486353
0.01601869	0.08582736	288.563647	0.00444444	0.19884689	-0.00497601
0.03134122	0.08555913	450	0.00222222	0.18672536	-0.00447061
0.02180497	0.08290083	450	0.00888889	0.18801172	-0.00447817
0.02017166	0.07881791	691.109957	0.00888889	0.17979477	-0.00397741
0.03325719	0.093184	701.04197	0.00444444	0.17859691	-0.00410696
0.02819862	0.08298022	450	0.00222222	0.17292964	-0.00388573
0.02885411	0.09096542	450	0.00222222	0.17664942	-0.00395837
0.03123872	0.08691805	450	0.00222222	0.17988724	-0.0041632
0.02712234	0.08836102	654.983505	0.00888889	0.18490928	-0.00437472
0.02575721	0.08766992	450	0.01333333	0.19273549	-0.00469786
0.03157535	0.0942712	450	0.00222222	0.20224767	-0.004867
0.03064826	0.09282645	450	0.00222222	0.17175614	-0.00370984
0.02077128	0.08061606	450	0.00444444	0.19503894	-0.00471885
0.0451975	0.10693363	450	0.00222222	0.20654424	-0.00514415
0.02881347	0.09199385	450	0.00888889	0.18369329	-0.00415796
0.03985075	0.10540948	450	0.00222222	0.20751402	-0.00548382
0.02898392	0.08790432	450	0.00222222	0.17779955	-0.00397271
0.020145	0.08455571	478.112107	0.00222222	0.19407921	-0.00446308
0.02694109	0.09800454	450	0.00888889	0.17532687	-0.00393342
0.02634029	0.0820907	450	0.00444444	0.17967958	-0.00399629
0.03038555	0.08854645	450	0.00444444	0.20611338	-0.00501372
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0.02741305	0.08266621	450	0.00222222	0.18044115	-0.0040574
0.03343874	0.09233193	450	0.00222222	0.19715402	-0.00481376
0.02536395	0.08095474	450	0.00444444	0.18942357	-0.00429509
0.02098868	0.08445427	450	0.00444444	0.18581605	-0.00428921
0.01873611	0.07819514	450	0.00888889	0.20480181	-0.00497508

0.02407016	0.0805517	450	0.00222222	0.1808951	-0.00416238
0.02580972	0.08426134	450	0.00222222	0.17979942	-0.00414238
0.02640562	0.08844216	450	0.00222222	0.18286483	-0.00420995
0.03145149	0.09201254	442.386176	0.00222222	0.16176479	-0.00333946
0.02304915	0.08862461	450	0.01333333	0.2104496	-0.00549212
0.01805298	0.08180761	450	0.00444444	0.19927379	-0.00496267
0.03170727	0.09435172	450	0.00888889	0.21019634	-0.00537046
0.02735958	0.0879774	450	0.00222222	0.20192806	-0.00505565
0.0273345	0.08441826	450	0.00222222	0.18705096	-0.00434346
0.02983589	0.09247213	450	0.00222222	0.20199533	-0.0049836
0.02556835	0.09644901	450	0.00222222	0.205306	-0.00526631
0.02391047	0.09099969	381.576068	0.00222222	0.21891308	-0.00562019
0.03104597	0.09355697	390.954862	0.00222222	0.22135419	-0.00573458
0.02778758	0.08577627	302.726589	0.00888889	0.18161082	-0.00397925
0.03560812	0.09697024	524.59067	0.00444444	0.2064383	-0.00522955
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0.02493358	0.08584609	450	0.00222222	0.19559243	-0.00471701
0.02833615	0.08759068	450	0.00222222	0.19133286	-0.00450924
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0.02898508	0.0915941	450	0.00222222	0.20637132	-0.00525723
0.01677404	0.08343095	603.070352	0.00888889	0.20171459	-0.00521597
0.02980836	0.0888978	450	0.00222222	0.16793997	-0.00363014
0.02685752	0.08406668	450	0.00444444	0.15878941	-0.00331691
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0.03433505	0.09441597	450	0.00222222	0.17454441	-0.00387992
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0.02181075	0.08298953	450	0.00444444	0.17892718	-0.00406356
0.0249968	0.08309534	450	0.00222222	0.19652685	-0.0046075
0.03175512	0.09148601	543.258649	0.00222222	0.18027231	-0.00389988
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0.02608382	0.08459505	450	0.00222222	0.17916705	-0.00409596
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0.03258327	0.09066484	450	0.00222222	0.16928297	-0.00362909

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0.00144176	0.02520952	450	0.04888889	0.04919012	-2.38E-04
3.90E-04	0.02380977	739.247281	0.04444444	0.04838151	-2.26E-04
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0.00131471	0.0233742	450	0.04	0.0452208	-2.04E-04
0.00201944	0.02435132	450	0.03555556	0.04625794	-2.12E-04
8.82E-04	0.02402746	436.011234	0.02222222	0.05048918	-2.45E-04
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9.42E-04	0.02480622	450	0.04888889	0.04707605	-2.19E-04
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0.0013467	0.02598664	450	0.06666667	0.04905391	-2.32E-04
1.60E-04	0.02410352	450	0.05777778	0.04660503	-2.15E-04
1.18E-05	0.02224167	243.971463	0.04	0.04752077	-2.19E-04
0.00129506	0.02403336	401.103507	0.03555556	0.04578188	-2.09E-04
3.58E-04	0.02575624	450	0.05333333	0.04987136	-2.42E-04
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3.51E-04	0.02370895	450	0.03555556	0.04834761	-2.29E-04
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2.70E-05	0.02256435	518.958387	0.04888889	0.04519719	-2.00E-04
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3.54E-04	0.02350227	450	0.03111111	0.04787958	-2.18E-04
1.04E-04	0.02483833	450	0.05777778	0.04925152	-2.34E-04
4.86E-04	0.02383677	450	0.05333333	0.04572172	-2.04E-04
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-1.28E-04	0.02427733	450	0.04444444	0.05008677	-2.46E-04
-7.03E-04	0.02333756	450	0.05777778	0.04943509	-2.36E-04
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8.99E-04	0.02531784	450	0.05777778	0.04556351	-2.04E-04
0.00184702	0.02378179	450	0.04	0.04506179	-2.05E-04
-1.58E-04	0.02345478	450	0.03555556	0.04889897	-2.35E-04
-9.37E-04	0.02186969	450	0.04444444	0.04856555	-2.31E-04
8.99E-04	0.02325689	524.028833	0.04888889	0.04614911	-2.12E-04
-1.06E-04	0.02253728	450	0.04	0.04692172	-2.14E-04
5.88E-04	0.02388695	519.215177	0.03555556	0.0456129	-2.07E-04
-5.42E-04	0.02316066	450	0.06222222	0.04602971	-2.12E-04
-4.50E-05	0.0243026	450	0.05333333	0.04543456	-2.05E-04
3.43E-04	0.02413225	537.990262	0.04888889	0.04834587	-2.30E-04
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4.72E-04	0.02503937	450	0.06222222	0.0483995	-2.30E-04
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0.00466064	0.01766906	450	0.00222222	0.04913926	-2.38E-04
0.0052363	0.01746385	580.232915	0.00444444	0.04884607	-2.36E-04
0.00453693	0.01731883	450	0.00222222	0.04770583	-2.25E-04
0.00346734	0.01550602	450	0.00222222	0.04829223	-2.29E-04
0.00472343	0.01675508	213.438044	0.00444444	0.04841943	-2.32E-04
0.00347928	0.01687114	450	0.00444444	0.04946369	-2.42E-04
0.00405324	0.01742609	450	0.00222222	0.05109663	-2.58E-04
0.00354867	0.01680681	450	0.00888889	0.05021121	-2.49E-04
0.00281974	0.01693522	356.316102	0.00888889	0.04788546	-2.28E-04
0.00472962	0.01763946	450	0.00444444	0.04988698	-2.46E-04
0.00322563	0.01669502	450	0.02222222	0.04913728	-2.39E-04
0.00374993	0.01567212	450	0.00444444	0.04834605	-2.32E-04
0.00322229	0.01727616	450	0.00222222	0.0491031	-2.39E-04
0.00433081	0.01668851	352.013352	0.00222222	0.04826009	-2.29E-04
0.00375881	0.01663604	450	0.00444444	0.05006149	-2.47E-04
0.00228331	0.01610441	450	0.00444444	0.05034648	-2.49E-04
0.00341661	0.01558154	331.348291	0.00444444	0.04905867	-2.36E-04
0.00336602	0.01547002	450	0.00888889	0.04899985	-2.39E-04
0.00479504	0.01661645	450	0.00222222	0.04833542	-2.31E-04
0.00344576	0.01710186	450	0.00444444	0.0485455	-2.34E-04
0.00305495	0.01768818	450	0.00888889	0.0492474	-2.41E-04
0.00372869	0.01664888	450	0.00222222	0.04909779	-2.39E-04
0.00445823	0.01700218	193.517264	0.00222222	0.04754724	-2.23E-04
0.00359353	0.01694023	450	0.00888889	0.04945135	-2.42E-04
0.00458626	0.01547992	560.889197	0.00222222	0.04775465	-2.25E-04
0.00255294	0.01625902	450	0.00222222	0.04948069	-2.42E-04
0.00281428	0.01538088	450	0.00888889	0.04906986	-2.36E-04
0.00429594	0.01671247	450	0.00444444	0.04902887	-2.38E-04
0.00423555	0.01705132	450	0.00444444	0.05166103	-2.62E-04
0.00471091	0.01755036	450	0.00444444	0.04889149	-2.37E-04
0.00393648	0.0167358	450	0.00222222	0.05149021	-2.62E-04

0.00332343	0.01596255	450	0.00222222	0.04877192	-2.35E-04
0.00449895	0.01707483	450	0.00222222	0.05104813	-2.57E-04
0.00475886	0.01761137	357.043048	0.00444444	0.0474505	-2.24E-04
0.00384169	0.0163958	237.23083	0.00888889	0.04897036	-2.38E-04
0.00242206	0.01598227	450	0.00222222	0.0477341	-2.25E-04
0.00320194	0.01689292	585.236331	0.00888889	0.04822343	-2.30E-04
0.00407796	0.01636628	450	0.00222222	0.04874531	-2.34E-04
0.00433267	0.01593965	441.928853	0.00222222	0.05219479	-2.68E-04
0.00375507	0.01536393	450	0.00222222	0.04815495	-2.29E-04
0.00356032	0.01543118	535.797528	0.00222222	0.04758506	-2.24E-04
0.00446413	0.01648916	450	0.00444444	0.04905925	-2.37E-04
0.00463434	0.01816118	564.307588	0.00888889	0.04846578	-2.33E-04
0.00190274	0.01549484	450	0.00888889	0.05280357	-2.75E-04
0.00340325	0.01637222	457.148442	0.00444444	0.05006358	-2.47E-04
0.00299382	0.01541214	372.171599	0.00888889	0.04854157	-2.34E-04
0.00347212	0.01739537	514.31617	0.00444444	0.050776	-2.53E-04
0.00431708	0.01714402	450	0.00444444	0.04969891	-2.45E-04
0.00433708	0.01560227	450	0.00222222	0.04941032	-2.40E-04
0.00513915	0.0170343	450	0.00222222	0.04807123	-2.29E-04
0.0039855	0.01669802	450	0.00888889	0.05001086	-2.46E-04
0.00426819	0.01676557	450	0.00222222	0.04988868	-2.45E-04
0.00278182	0.01621455	450	0.00888889	0.04928774	-2.42E-04
0.00292345	0.01568591	450	0.00444444	0.04944923	-2.41E-04
0.00342747	0.01601516	457.385934	0.00444444	0.04898654	-2.37E-04
0.00360645	0.01663522	517.380753	0.00888889	0.04819221	-2.30E-04
0.0041687	0.01604303	450	0.01333333	0.04913946	-2.38E-04
0.00352739	0.0161695	450	0.00222222	0.04898143	-2.37E-04
0.0041357	0.01632324	514.460845	0.00222222	0.04900813	-2.38E-04
0.00290959	0.01627906	450	0.00444444	0.04941893	-2.40E-04
0.00512464	0.0180484	450	0.00444444	0.05051918	-2.52E-04
0.00430023	0.01669832	450	0.00444444	0.04854064	-2.34E-04
0.00349652	0.01634002	450	0.01333333	0.05081619	-2.54E-04
0.00396821	0.01686278	685.787314	0.00888889	0.05011484	-2.48E-04
0.0047102	0.01661935	450	0.00888889	0.04823537	-2.29E-04
0.00316758	0.01684084	538.689038	0.00888889	0.0503312	-2.51E-04
0.00310026	0.01620883	619.10026	0.00222222	0.05174623	-2.63E-04
0.0041135	0.01657027	450	0.00444444	0.05144233	-2.60E-04
0.00310483	0.01632966	450	0.00222222	0.04850448	-2.33E-04
0.00428792	0.01714553	236.536101	0.00222222	0.0504062	-2.50E-04
0.0037905	0.01662371	379.758604	0.00444444	0.05211659	-2.69E-04
0.00346059	0.01562614	450	0.00444444	0.04759846	-2.24E-04
0.00410789	0.00720344	450	0.00222222	0.03722638	-1.37E-04
0.00491082	0.00800027	351.542857	0.00222222	0.03859864	-1.39E-04

0.00427194	0.00722057	450	0.00222222	0.03852411	-1.40E-04
0.00395817	0.00698375	450	0.00222222	0.03861514	-1.42E-04
0.00482152	0.00789566	450	0.00222222	0.03891786	-1.39E-04
0.00455209	0.00744381	450	0.00222222	0.03878371	-1.40E-04
0.00342616	0.00700527	450	0.00222222	0.03616251	-1.37E-04
0.00427566	0.00767612	450	0.00222222	0.03923522	-1.44E-04
0.00384674	0.00733316	450	0.00222222	0.03786289	-1.39E-04

slow_lower	slow_upper	slow_lower	slow_upper	slow_ess	slow_pMCM
0.03633552	0.0512301	-2.35E-04	-1.32E-04	450	0.00222222
0.03523118	0.05075962	-2.30E-04	-1.20E-04	524.537348	0.00222222
0.0379203	0.05501577	-2.50E-04	-1.33E-04	450	0.00222222
0.03517455	0.05043239	-2.21E-04	-1.20E-04	625.487047	0.00222222
0.03392565	0.04920023	-2.07E-04	-1.08E-04	450	0.00222222
0.03872893	0.05293581	-2.46E-04	-1.40E-04	450	0.00222222
0.03469643	0.04879919	-2.10E-04	-1.13E-04	450	0.00222222
0.03486797	0.05011427	-2.10E-04	-1.03E-04	450	0.00222222
0.03479035	0.04909499	-2.22E-04	-1.15E-04	450	0.00222222
0.0348829	0.0510185	-2.38E-04	-1.24E-04	450	0.00222222
0.03624897	0.05125283	-2.28E-04	-1.30E-04	450	0.00222222
0.03563357	0.05070673	-2.24E-04	-1.24E-04	291.967746	0.00222222
0.03421004	0.04921493	-2.13E-04	-1.17E-04	450	0.00222222
0.03501855	0.04996672	-2.16E-04	-1.18E-04	450	0.00222222
0.03398444	0.04935761	-2.28E-04	-1.24E-04	521.551457	0.00222222
0.03296195	0.04805119	-2.14E-04	-1.12E-04	450	0.00222222
0.03557075	0.04959636	-2.15E-04	-1.19E-04	417.538323	0.00222222
0.03737452	0.05156405	-2.32E-04	-1.34E-04	450	0.00222222
0.03538126	0.05154452	-2.28E-04	-1.16E-04	450	0.00222222
0.03683415	0.05083351	-2.31E-04	-1.30E-04	378.757456	0.00222222
0.03469822	0.04926336	-2.13E-04	-1.09E-04	450	0.00222222
0.03745934	0.0523604	-2.40E-04	-1.33E-04	476.947774	0.00222222
0.03763069	0.05176893	-2.34E-04	-1.39E-04	450	0.00222222
0.0378032	0.0518908	-2.34E-04	-1.40E-04	450	0.00222222
0.03712462	0.05143947	-2.37E-04	-1.38E-04	450	0.00222222
0.03513064	0.05000022	-2.23E-04	-1.22E-04	450	0.00222222
0.03738894	0.05211066	-2.35E-04	-1.31E-04	589.224387	0.00222222
0.03508997	0.050466	-2.27E-04	-1.22E-04	450	0.00222222
0.0353819	0.04984675	-2.25E-04	-1.27E-04	450	0.00222222
0.03456116	0.0500993	-2.24E-04	-1.15E-04	418.972576	0.00222222
0.03746049	0.05223988	-2.33E-04	-1.32E-04	450	0.00222222
0.03667426	0.05085713	-2.29E-04	-1.29E-04	450	0.00222222
0.03595038	0.04982633	-2.16E-04	-1.16E-04	450	0.00222222
0.03616832	0.05030538	-2.27E-04	-1.29E-04	513.529576	0.00222222
0.03633857	0.04999053	-2.16E-04	-1.14E-04	450	0.00222222
0.03735434	0.05107514	-2.25E-04	-1.29E-04	450	0.00222222
0.03820319	0.0528354	-2.46E-04	-1.44E-04	204.059158	0.00222222
0.03509783	0.05155924	-2.25E-04	-1.11E-04	450	0.00222222
0.03534563	0.05032153	-2.19E-04	-1.19E-04	546.508968	0.00222222
0.03629093	0.05029305	-2.25E-04	-1.30E-04	450	0.00222222
0.03783213	0.05251878	-2.36E-04	-1.32E-04	579.435997	0.00222222
0.03377923	0.05045739	-2.16E-04	-1.05E-04	450	0.00222222

0.0379722	0.05221978	-2.37E-04	-1.37E-04	450	0.00222222
0.03345792	0.04830128	-2.04E-04	-9.85E-05	450	0.00222222
0.03597937	0.05140164	-2.29E-04	-1.26E-04	450	0.00222222
0.03607667	0.05144267	-2.34E-04	-1.28E-04	365.852695	0.00222222
0.03496903	0.04983383	-2.13E-04	-1.12E-04	450	0.00222222
0.03368459	0.04846672	-2.14E-04	-1.13E-04	450	0.00222222
0.03639877	0.05026594	-2.20E-04	-1.21E-04	450	0.00222222
0.03523614	0.0494302	-2.18E-04	-1.23E-04	450	0.00222222
0.03782722	0.05195402	-2.43E-04	-1.39E-04	450	0.00222222
0.03704449	0.0522546	-2.48E-04	-1.37E-04	450	0.00222222
0.03700375	0.0504952	-2.21E-04	-1.27E-04	524.149959	0.00222222
0.03456578	0.0493016	-2.22E-04	-1.24E-04	450	0.00222222
0.03503624	0.0500644	-2.22E-04	-1.24E-04	573.961183	0.00222222
0.03577929	0.04969327	-2.19E-04	-1.22E-04	450	0.00222222
0.03527342	0.04942773	-2.19E-04	-1.23E-04	450	0.00222222
0.0393665	0.05336814	-2.55E-04	-1.51E-04	450	0.00222222
0.03493591	0.05004324	-2.28E-04	-1.27E-04	450	0.00222222
0.03686806	0.05229189	-2.32E-04	-1.29E-04	450	0.00222222
0.03714602	0.05334203	-2.39E-04	-1.31E-04	450	0.00222222
0.03411524	0.04908788	-2.13E-04	-1.14E-04	450	0.00222222
0.03866604	0.05318566	-2.47E-04	-1.34E-04	371.327017	0.00222222
0.03533493	0.04976158	-2.19E-04	-1.16E-04	450	0.00222222
0.0347809	0.04875161	-2.09E-04	-1.11E-04	450	0.00222222
0.03839973	0.05176822	-2.32E-04	-1.33E-04	450	0.00222222
0.03525584	0.05017834	-2.22E-04	-1.23E-04	520.486448	0.00222222
0.03630452	0.05141309	-2.28E-04	-1.22E-04	550.970092	0.00222222
0.03394062	0.04865959	-2.18E-04	-1.23E-04	450	0.00222222
0.03657916	0.05124418	-2.38E-04	-1.28E-04	450	0.00222222
0.03138575	0.04721445	-2.05E-04	-1.05E-04	450	0.00222222
0.03458284	0.04823246	-2.05E-04	-1.13E-04	450	0.00222222
0.03501637	0.04975294	-2.14E-04	-1.17E-04	389.292643	0.00222222
0.03835547	0.05373546	-2.58E-04	-1.46E-04	585.800396	0.00222222
0.03479355	0.0490495	-2.17E-04	-1.19E-04	502.168533	0.00222222
0.03875927	0.05430483	-2.53E-04	-1.39E-04	450	0.00222222
0.03470739	0.04971972	-2.15E-04	-1.13E-04	450	0.00222222
0.03387539	0.04853933	-2.10E-04	-1.08E-04	331.81333	0.00222222
0.03653366	0.05086481	-2.34E-04	-1.37E-04	450	0.00222222
0.03371623	0.04967397	-2.25E-04	-1.19E-04	450	0.00222222
0.03660577	0.05123216	-2.26E-04	-1.28E-04	450	0.00222222
0.03369867	0.04762605	-2.03E-04	-1.08E-04	450	0.00222222
0.03585399	0.05010655	-2.19E-04	-1.24E-04	450	0.00222222
0.03619641	0.05094674	-2.29E-04	-1.29E-04	372.426573	0.00222222
0.03886565	0.05406906	-2.56E-04	-1.46E-04	205.688144	0.00222222

0.03521239	0.0508876	-2.24E-04	-1.18E-04	862.308786	0.00222222
0.03511598	0.04957466	-2.12E-04	-1.15E-04	410.939346	0.00222222
0.03625854	0.05206714	-2.28E-04	-1.17E-04	450	0.00222222
0.0367719	0.0499001	-2.28E-04	-1.29E-04	450	0.00222222
0.03915148	0.05401648	-2.53E-04	-1.49E-04	386.367048	0.00222222
0.03740576	0.05325156	-2.48E-04	-1.39E-04	450	0.00222222
0.036432	0.05200812	-2.31E-04	-1.23E-04	430.00752	0.00222222
0.03397974	0.05000488	-2.13E-04	-1.11E-04	450	0.00222222
0.03408719	0.04917953	-2.18E-04	-1.18E-04	450	0.00222222
0.03595482	0.0518592	-2.36E-04	-1.29E-04	450	0.00222222
0.03548903	0.05177545	-2.22E-04	-1.18E-04	450	0.00222222
0.03612303	0.0507147	-2.27E-04	-1.28E-04	355.993878	0.00222222
0.03507698	0.0503367	-2.21E-04	-1.22E-04	450	0.00222222
0.03515183	0.05115127	-2.36E-04	-1.26E-04	450	0.00222222
0.03485516	0.05067757	-2.29E-04	-1.25E-04	450	0.00222222
0.04689958	0.0536802	-2.36E-04	-1.93E-04	562.366396	0.00222222
0.04838558	0.05475845	-2.49E-04	-2.05E-04	450	0.00222222
0.04851147	0.05529516	-2.53E-04	-2.08E-04	385.996018	0.00222222
0.04715701	0.05331781	-2.37E-04	-1.98E-04	512.582711	0.00222222
0.04642805	0.05300309	-2.34E-04	-1.90E-04	450	0.00222222
0.04913385	0.05644567	-2.69E-04	-2.20E-04	450	0.00222222
0.0495138	0.05721316	-2.74E-04	-2.26E-04	450	0.00222222
0.04931076	0.05551924	-2.59E-04	-2.17E-04	450	0.00222222
0.0484664	0.05494013	-2.49E-04	-2.08E-04	450	0.00222222
0.04511014	0.05127782	-2.21E-04	-1.81E-04	364.981442	0.00222222
0.04725144	0.05341202	-2.38E-04	-1.96E-04	569.769259	0.00222222
0.04624517	0.05201263	-2.32E-04	-1.88E-04	450	0.00222222
0.04731001	0.05401442	-2.45E-04	-1.99E-04	450	0.00222222
0.04905094	0.05640653	-2.66E-04	-2.16E-04	454.221105	0.00222222
0.04857658	0.05514326	-2.51E-04	-2.08E-04	662.109994	0.00222222
0.04687066	0.05285671	-2.29E-04	-1.89E-04	450	0.00222222
0.04549827	0.05216022	-2.33E-04	-1.92E-04	450	0.00222222
0.04641633	0.05266418	-2.33E-04	-1.93E-04	425.056126	0.00222222
0.04547158	0.05128959	-2.24E-04	-1.85E-04	450	0.00222222
0.04914481	0.05598009	-2.62E-04	-2.15E-04	386.965192	0.00222222
0.04809068	0.05533449	-2.56E-04	-2.07E-04	450	0.00222222
0.04760707	0.05445572	-2.48E-04	-2.04E-04	740.843073	0.00222222
0.05007694	0.05692909	-2.65E-04	-2.20E-04	450	0.00222222
0.0480441	0.0544963	-2.48E-04	-2.04E-04	365.496243	0.00222222
0.04917184	0.05650783	-2.59E-04	-2.14E-04	450	0.00222222
0.04650258	0.05244826	-2.30E-04	-1.93E-04	450	0.00222222
0.05141342	0.05872258	-2.81E-04	-2.33E-04	450	0.00222222
0.04832868	0.05429895	-2.49E-04	-2.09E-04	450	0.00222222

0.05005857	0.0566664	-2.67E-04	-2.20E-04	450	0.00222222
0.0493804	0.05538326	-2.58E-04	-2.16E-04	1237.70621	0.00222222
0.04465099	0.05055358	-2.18E-04	-1.78E-04	450	0.00222222
0.0461119	0.05294164	-2.33E-04	-1.89E-04	450	0.00222222
0.04675677	0.0528245	-2.34E-04	-1.92E-04	389.627494	0.00222222
0.04721742	0.05361633	-2.42E-04	-2.00E-04	450	0.00222222
0.04626642	0.05242144	-2.29E-04	-1.89E-04	450	0.00222222
0.04810756	0.05490733	-2.54E-04	-2.08E-04	450	0.00222222
0.04993079	0.05714751	-2.69E-04	-2.23E-04	450	0.00222222
0.04794843	0.054638	-2.48E-04	-2.05E-04	450	0.00222222
0.04716407	0.05317543	-2.33E-04	-1.94E-04	652.561503	0.00222222
0.04930527	0.05616865	-2.63E-04	-2.14E-04	450	0.00222222
0.05004129	0.05668591	-2.63E-04	-2.16E-04	450	0.00222222
0.04704666	0.05313204	-2.37E-04	-1.96E-04	450	0.00222222
0.04820976	0.05449544	-2.51E-04	-2.08E-04	450	0.00222222
0.04994218	0.05671746	-2.62E-04	-2.15E-04	450	0.00222222
0.04875779	0.05541421	-2.53E-04	-2.07E-04	450	0.00222222
0.04912461	0.05561311	-2.58E-04	-2.13E-04	382.208061	0.00222222
0.04981278	0.05657387	-2.62E-04	-2.15E-04	450	0.00222222
0.04676673	0.05288074	-2.32E-04	-1.90E-04	450	0.00222222
0.04596444	0.05243324	-2.27E-04	-1.84E-04	775.836589	0.00222222
0.04492273	0.05133738	-2.20E-04	-1.79E-04	450	0.00222222
0.04582969	0.05243452	-2.30E-04	-1.89E-04	450	0.00222222
0.0458988	0.05232788	-2.33E-04	-1.91E-04	450	0.00222222
0.04689571	0.05281318	-2.29E-04	-1.88E-04	450	0.00222222
0.04947998	0.05599916	-2.62E-04	-2.17E-04	450	0.00222222
0.04775081	0.05473315	-2.48E-04	-2.04E-04	450	0.00222222
0.04767314	0.05443068	-2.42E-04	-1.99E-04	450	0.00222222
0.05022661	0.05691213	-2.68E-04	-2.22E-04	450	0.00222222
0.04768576	0.05460151	-2.46E-04	-2.02E-04	616.723672	0.00222222
0.05015425	0.05679233	-2.68E-04	-2.23E-04	450	0.00222222
0.04527313	0.05110101	-2.16E-04	-1.77E-04	380.653102	0.00222222
0.04985751	0.05686072	-2.68E-04	-2.20E-04	450	0.00222222
0.04805922	0.05488629	-2.52E-04	-2.10E-04	348.524687	0.00222222
0.04675732	0.05255465	-2.31E-04	-1.92E-04	450	0.00222222
0.0454045	0.0519111	-2.24E-04	-1.84E-04	450	0.00222222
0.04762427	0.05432446	-2.48E-04	-2.07E-04	450	0.00222222
0.04836813	0.05500148	-2.52E-04	-2.08E-04	346.526457	0.00222222
0.0492916	0.05565079	-2.57E-04	-2.12E-04	381.314187	0.00222222
0.04829019	0.05529768	-2.53E-04	-2.07E-04	450	0.00222222
0.04848131	0.05423655	-2.48E-04	-2.06E-04	450	0.00222222
0.04640416	0.05316756	-2.34E-04	-1.92E-04	450	0.00222222
0.04640866	0.0524504	-2.32E-04	-1.92E-04	450	0.00222222

0.05139276	0.05795539	-2.85E-04	-2.35E-04	498.728724	0.00222222
0.04652855	0.0523253	-2.32E-04	-1.93E-04	450	0.00222222
0.04566115	0.05149936	-2.21E-04	-1.82E-04	450	0.00222222
0.04865713	0.05559317	-2.57E-04	-2.11E-04	450	0.00222222
0.04839111	0.05556334	-2.54E-04	-2.09E-04	450	0.00222222
0.04952011	0.0555781	-2.59E-04	-2.18E-04	450	0.00222222
0.04662456	0.05303115	-2.34E-04	-1.93E-04	450	0.00222222
0.04618737	0.05231687	-2.31E-04	-1.91E-04	351.061444	0.00222222
0.04795748	0.05465755	-2.46E-04	-2.03E-04	450	0.00222222
0.04906035	0.05513494	-2.51E-04	-2.11E-04	295.606136	0.00222222
0.05030834	0.058561	-2.86E-04	-2.32E-04	450	0.00222222
0.04656733	0.05262661	-2.35E-04	-1.95E-04	380.587516	0.00222222
0.04670058	0.05270368	-2.33E-04	-1.91E-04	450	0.00222222
0.04849291	0.05568509	-2.53E-04	-2.09E-04	515.148942	0.00222222
0.04642894	0.05298616	-2.34E-04	-1.89E-04	383.248473	0.00222222
0.04592986	0.05227247	-2.29E-04	-1.89E-04	336.021969	0.00222222
0.04703118	0.05282746	-2.32E-04	-1.94E-04	549.686189	0.00222222
0.04679387	0.05316151	-2.32E-04	-1.91E-04	450	0.00222222
0.05075577	0.05904818	-2.90E-04	-2.38E-04	450	0.00222222
0.04485009	0.05069882	-2.18E-04	-1.80E-04	523.617983	0.00222222
0.04995394	0.05755336	-2.77E-04	-2.29E-04	272.199481	0.00222222
0.05001866	0.05791227	-2.78E-04	-2.27E-04	450	0.00222222
0.04875415	0.05570283	-2.61E-04	-2.16E-04	365.464768	0.00222222
0.04869521	0.0558784	-2.57E-04	-2.10E-04	450	0.00222222
0.0481048	0.05452244	-2.52E-04	-2.09E-04	381.594689	0.00222222
0.04525077	0.05161387	-2.27E-04	-1.86E-04	450	0.00222222
0.04684935	0.0533324	-2.37E-04	-1.96E-04	784.620038	0.00222222
0.04797604	0.05452033	-2.48E-04	-2.06E-04	450	0.00222222
0.04882385	0.05501258	-2.54E-04	-2.10E-04	450	0.00222222
0.04330456	0.06342529	-4.07E-04	-2.65E-04	389.879804	0.00222222
0.04182868	0.06212347	-3.93E-04	-2.44E-04	450	0.00222222
0.03786908	0.06010795	-3.89E-04	-2.30E-04	315.037495	0.00222222
0.04206507	0.06224174	-4.00E-04	-2.55E-04	383.237198	0.00222222
0.04041924	0.05958535	-3.88E-04	-2.43E-04	450	0.00222222
0.03944323	0.05978206	-4.08E-04	-2.49E-04	284.509667	0.00222222
0.04107833	0.06226166	-4.03E-04	-2.46E-04	450	0.00222222
0.04095886	0.0605951	-4.04E-04	-2.57E-04	450	0.00222222
0.04405429	0.06179888	-3.97E-04	-2.65E-04	584.740058	0.00222222
0.04400267	0.0628842	-3.84E-04	-2.55E-04	450	0.00222222
0.04309729	0.06252101	-4.16E-04	-2.80E-04	283.998664	0.00222222
0.03738242	0.05983723	-4.02E-04	-2.37E-04	450	0.00222222
0.04026933	0.06004925	-3.83E-04	-2.47E-04	450	0.00222222
0.03611857	0.05833207	-3.88E-04	-2.29E-04	450	0.00222222

0.03969514	0.06215855	-4.14E-04	-2.51E-04	450	0.00222222
0.03992942	0.05980274	-4.04E-04	-2.59E-04	450	0.00222222
0.0410462	0.06236758	-4.11E-04	-2.51E-04	315.086203	0.00222222
0.03657381	0.05777578	-3.95E-04	-2.41E-04	612.67331	0.00222222
0.04376974	0.06273269	-4.11E-04	-2.73E-04	450	0.00222222
0.03837458	0.06091991	-3.97E-04	-2.32E-04	450	0.00222222
0.04066742	0.06050795	-3.99E-04	-2.57E-04	450	0.00222222
0.04266417	0.06308988	-3.82E-04	-2.44E-04	450	0.00222222
0.03992691	0.06076947	-3.92E-04	-2.46E-04	450	0.00222222
0.04187226	0.06192	-3.94E-04	-2.49E-04	450	0.00222222
0.03862267	0.06009985	-4.17E-04	-2.48E-04	345.473854	0.00222222
0.03905515	0.05981172	-3.76E-04	-2.23E-04	450	0.00222222
0.038881	0.05972957	-3.83E-04	-2.24E-04	346.674363	0.00222222
0.0403469	0.06242245	-3.97E-04	-2.39E-04	372.912884	0.00222222
0.03976841	0.06109498	-4.09E-04	-2.50E-04	450	0.00222222
0.03951325	0.060308	-3.86E-04	-2.43E-04	372.213145	0.00222222
0.04026579	0.059462	-3.79E-04	-2.37E-04	450	0.00222222
0.04288057	0.06228028	-3.86E-04	-2.52E-04	450	0.00222222
0.03953047	0.06039359	-3.99E-04	-2.37E-04	458.412044	0.00222222
0.04226988	0.06232838	-3.97E-04	-2.52E-04	450	0.00222222
0.04070639	0.06002144	-3.91E-04	-2.53E-04	327.424855	0.00222222
0.03932339	0.05855258	-3.68E-04	-2.33E-04	450	0.00222222
0.04285338	0.06262622	-3.95E-04	-2.60E-04	369.545715	0.00222222
0.03756731	0.06021748	-3.98E-04	-2.37E-04	353.347187	0.00222222
0.04161696	0.06259166	-3.98E-04	-2.41E-04	450	0.00222222
0.04061916	0.06146122	-4.11E-04	-2.64E-04	139.162198	0.00222222
0.04323174	0.06287342	-3.96E-04	-2.63E-04	348.449706	0.00222222
0.04195957	0.0606432	-3.92E-04	-2.58E-04	450	0.00222222
0.04198521	0.06134663	-3.88E-04	-2.50E-04	360.943535	0.00222222
0.04042687	0.06240009	-3.95E-04	-2.44E-04	342.236474	0.00222222
0.03921548	0.06149829	-4.09E-04	-2.56E-04	354.218559	0.00222222
0.03946247	0.05983175	-3.86E-04	-2.41E-04	450	0.00222222
0.04306452	0.06117177	-3.86E-04	-2.60E-04	450	0.00222222
0.0408271	0.06087666	-3.93E-04	-2.45E-04	390.785597	0.00222222
0.03898054	0.0609183	-4.03E-04	-2.42E-04	450	0.00222222
0.03978966	0.06052145	-4.11E-04	-2.51E-04	450	0.00222222
0.03811035	0.05840754	-3.73E-04	-2.34E-04	450	0.00222222
0.04113191	0.05911864	-3.82E-04	-2.48E-04	498.658703	0.00222222
0.03847284	0.05825369	-4.02E-04	-2.43E-04	389.63179	0.00222222
0.04529424	0.06262692	-3.95E-04	-2.77E-04	450	0.00222222
0.04124423	0.06068697	-3.88E-04	-2.52E-04	450	0.00222222
0.04444339	0.06230193	-3.91E-04	-2.63E-04	322.947284	0.00222222
0.04170383	0.06201082	-3.94E-04	-2.46E-04	450	0.00222222

0.04316366	0.06219162	-3.82E-04	-2.48E-04	450	0.00222222
0.0408404	0.06109601	-4.04E-04	-2.57E-04	450	0.00222222
0.03965138	0.06019643	-3.98E-04	-2.44E-04	450	0.00222222
0.03825656	0.05802657	-3.98E-04	-2.44E-04	450	0.00222222
0.040502	0.06000972	-3.86E-04	-2.42E-04	382.98069	0.00222222
0.04344466	0.0620627	-3.95E-04	-2.62E-04	450	0.00222222
0.03849808	0.06018989	-4.01E-04	-2.44E-04	450	0.00222222
0.03981655	0.05922862	-3.71E-04	-2.38E-04	450	0.00222222
0.03916591	0.05972947	-4.13E-04	-2.56E-04	272.273553	0.00222222
0.04204655	0.0636051	-4.18E-04	-2.63E-04	450	0.00222222
0.04074412	0.06123356	-4.01E-04	-2.45E-04	450	0.00222222
0.04163365	0.06093002	-3.92E-04	-2.57E-04	450	0.00222222
0.04130112	0.06187369	-4.08E-04	-2.58E-04	450	0.00222222
0.04146306	0.06264215	-4.07E-04	-2.55E-04	450	0.00222222
0.04237279	0.06141407	-4.02E-04	-2.71E-04	450	0.00222222
0.04036195	0.06031617	-3.88E-04	-2.45E-04	450	0.00222222
0.03944784	0.05819173	-3.67E-04	-2.32E-04	450	0.00222222
0.03748686	0.05992911	-3.96E-04	-2.31E-04	450	0.00222222
0.04175064	0.06134189	-3.84E-04	-2.45E-04	450	0.00222222
0.04394836	0.06360925	-4.16E-04	-2.69E-04	450	0.00222222
0.04044872	0.05906196	-3.98E-04	-2.49E-04	450	0.00222222
0.04106345	0.06081241	-3.77E-04	-2.36E-04	450	0.00222222
0.03917128	0.05973979	-3.87E-04	-2.40E-04	450	0.00222222
0.04117518	0.06042644	-3.90E-04	-2.54E-04	450	0.00222222
0.04092128	0.06393747	-4.21E-04	-2.49E-04	450	0.00222222
0.03897117	0.06005409	-3.98E-04	-2.45E-04	450	0.00222222
0.03766282	0.06153591	-4.14E-04	-2.36E-04	370.125038	0.00222222
0.04596432	0.06486674	-4.18E-04	-2.90E-04	450	0.00222222
0.03853243	0.05953008	-3.85E-04	-2.35E-04	450	0.00222222
0.03910756	0.06034373	-4.12E-04	-2.48E-04	450	0.00222222
0.03836995	0.05956668	-4.04E-04	-2.44E-04	450	0.00222222
0.03905428	0.05997916	-3.98E-04	-2.46E-04	450	0.00222222
0.04283509	0.06335998	-4.21E-04	-2.75E-04	450	0.00222222
0.04192333	0.06017157	-3.88E-04	-2.60E-04	450	0.00222222
0.04197237	0.06143745	-4.00E-04	-2.52E-04	450	0.00222222
0.04108649	0.06219587	-4.13E-04	-2.52E-04	377.949599	0.00222222
0.04288027	0.06136828	-3.94E-04	-2.58E-04	450	0.00222222
0.0412149	0.06193359	-3.86E-04	-2.51E-04	450	0.00222222
0.04468848	0.06269404	-3.92E-04	-2.64E-04	450	0.00222222
0.03698528	0.05926468	-0.00039084	-2.22E-04	375.16709	0.00222222
0.04119686	0.06161913	-4.08E-04	-2.55E-04	450	0.00222222
0.03995168	0.05865383	-3.73E-04	-2.48E-04	450	0.00222222
0.04181268	0.06088173	-3.89E-04	-2.53E-04	450	0.00222222

0.14574599	0.24389184	-0.00726648	-0.00318948	450	0.00222222
0.13673855	0.26871194	-0.00856678	-0.00297174	342.768117	0.00222222
0.12345577	0.23916084	-0.00692917	-0.00225585	527.556282	0.00222222
0.13959369	0.25392421	-0.00774176	-0.00285974	450	0.00222222
0.15537118	0.26867667	-0.00783606	-0.00336764	450	0.00222222
0.19058266	0.29766581	-0.00969551	-0.00499536	523.080049	0.00222222
0.13434071	0.24778645	-0.00700416	-0.00245775	450	0.00222222
0.12350761	0.22854829	-0.00635189	-0.00231568	658.552477	0.00222222
0.14142911	0.26490351	-0.00841869	-0.003001	450	0.00222222
0.16575292	0.27857822	-0.00848102	-0.00347538	450	0.00222222
0.11469921	0.25001239	-0.00835781	-0.00261622	450	0.00222222
0.16728507	0.2803542	-0.00839288	-0.00366201	450	0.00222222
0.14587164	0.25078123	-0.0071166	-0.00301768	450	0.00222222
0.16531021	0.28063373	-0.00897534	-0.00398322	450	0.00222222
0.15353665	0.25572494	-0.00780487	-0.0034405	450	0.00222222
0.15292381	0.26289518	-0.00796107	-0.0032606	546.599981	0.00222222
0.13894614	0.2603138	-0.00736003	-0.0024243	450	0.00222222
0.16797173	0.28512897	-0.00925499	-0.00376057	719.534029	0.00222222
0.10831465	0.23551847	-0.00671305	-0.00136692	450	0.00222222
0.13948535	0.26096313	-0.00780682	-0.00289703	526.106189	0.00222222
0.16142344	0.25871476	-0.00797159	-0.00320133	450	0.00222222
0.15584407	0.27053597	-0.0082495	-0.00322052	450	0.00222222
0.13702848	0.25390721	-0.00746931	-0.00292683	450	0.00222222
0.16134894	0.27794138	-0.00914521	-0.00334115	272.943778	0.00222222
0.13903541	0.24219318	-0.00727765	-0.00278946	376.09396	0.00222222
0.14462912	0.25854735	-0.00802821	-0.00339008	477.52539	0.00222222
0.15788811	0.28311594	-0.00888926	-0.00383076	450	0.00222222
0.13709136	0.23460984	-0.00706172	-0.00308496	450	0.00222222
0.13307871	0.24017517	-0.00738862	-0.003005	516.593051	0.00222222
0.14899125	0.23792913	-0.00700802	-0.00320945	348.698543	0.00222222
0.161937	0.28111579	-0.00949308	-0.00408613	450	0.00222222
0.13816987	0.24979311	-0.00700543	-0.00280504	443.840894	0.00222222
0.13560693	0.23863439	-0.00665008	-0.00271292	379.912634	0.00222222
0.13701811	0.25196321	-0.00769295	-0.00265549	450	0.00222222
0.16324256	0.26813634	-0.00857076	-0.00370642	505.630012	0.00222222
0.13690773	0.24834273	-0.0071753	-0.00297075	450	0.00222222
0.20295509	0.31085125	-0.01082603	-0.00567202	384.604765	0.00222222
0.14299172	0.25079314	-0.00720753	-0.00295255	449.702373	0.00222222
0.14349733	0.23980658	-0.00672003	-0.0024084	450	0.00222222
0.15424102	0.27475283	-0.00894805	-0.0033283	555.321605	0.00222222
0.16969181	0.30037647	-0.00973411	-0.00385089	450	0.00222222
0.13724435	0.24357339	-0.00694344	-0.00270361	381.744251	0.00222222
0.13881944	0.25525291	-0.007764	-0.00254787	450	0.00222222

0.14240751	0.25390436	-0.00836448	-0.00269449	450	0.00222222
0.16192105	0.28009951	-0.00925901	-0.00408776	450	0.00222222
0.16166412	0.27575993	-0.00820255	-0.00355343	450	0.00222222
0.14175368	0.25393919	-0.00731236	-0.00225746	385.669469	0.00222222
0.13445532	0.26422729	-0.00815176	-0.00206242	385.506832	0.00222222
0.12900511	0.25532431	-0.00762888	-0.00229559	450	0.00222222
0.15084287	0.27609439	-0.00881587	-0.00304348	518.803893	0.00222222
0.14413054	0.25214582	-0.00690848	-0.00259336	450	0.00222222
0.11235987	0.21706906	-0.00566598	-0.00157282	486.97739	0.00222222
0.12333973	0.24530392	-0.00713086	-0.00180086	382.622823	0.00222222
0.13914115	0.26866573	-0.0082584	-0.00264718	450	0.00222222
0.14567193	0.25872666	-0.00746135	-0.00323981	450	0.00222222
0.14072433	0.25618923	-0.00769307	-0.00279917	450	0.00222222
0.16360545	0.25649911	-0.0075298	-0.00374354	450	0.00222222
0.17524484	0.28401636	-0.00912945	-0.00411827	665.938135	0.00222222
0.14411192	0.25381876	-0.00792672	-0.00331527	450	0.00222222
0.16667348	0.27707838	-0.00903235	-0.00432483	450	0.00222222
0.18342481	0.30608317	-0.01058299	-0.00483029	450	0.00222222
0.16112727	0.26829535	-0.00838093	-0.00361183	450	0.00222222
0.14715719	0.26538311	-0.00836498	-0.00357028	450	0.00222222
0.136319	0.26683282	-0.00895181	-0.003075	450	0.00222222
0.11730624	0.22138689	-0.00610019	-0.00196644	450	0.00222222
0.11060363	0.22746891	-0.00601896	-0.00141278	450	0.00222222
0.15982045	0.26879691	-0.00815199	-0.00328625	450	0.00222222
0.1279259	0.25385024	-0.00749668	-0.00229825	450	0.00222222
0.18389826	0.28575514	-0.00927948	-0.00462924	450	0.00222222
0.14862626	0.25226291	-0.00765515	-0.00318011	450	0.00222222
0.12722235	0.2451857	-0.00747651	-0.00243347	429.721374	0.00222222
0.16493996	0.27593088	-0.00925459	-0.00398301	450	0.00222222
0.14710556	0.26226559	-0.00751856	-0.00294827	450	0.00222222
0.12838232	0.2521662	-0.00730957	-0.00214602	450	0.00222222
0.18547702	0.30019622	-0.01019993	-0.0050936	450	0.00222222
0.11813143	0.21302768	-0.00598669	-0.00193131	450	0.00222222
0.13668317	0.240314	-0.00670083	-0.00267114	450	0.00222222
0.15085332	0.26607789	-0.00818204	-0.00357536	543.176558	0.00222222
0.14867027	0.26347744	-0.00808859	-0.00315365	450	0.00222222
0.12550883	0.25926999	-0.00762302	-0.00181521	450	0.00222222
0.14743747	0.24754777	-0.00684021	-0.0026293	450	0.00222222
0.16421888	0.27288408	-0.00855375	-0.00375789	450	0.00222222
0.12377505	0.22780251	-0.0065551	-0.00222105	450	0.00222222
0.16931244	0.28161932	-0.00882296	-0.00402772	450	0.00222222
0.13556455	0.26129213	-0.00812559	-0.00279574	657.941628	0.00222222
0.13708274	0.24777138	-0.0074079	-0.00271539	564.610084	0.00222222

0.13964002	0.25361304	-0.00800196	-0.0031741	517.254691	0.00222222
0.13070599	0.24290331	-0.00709986	-0.00282784	450	0.00222222
0.15411281	0.25979855	-0.00734898	-0.00284567	450	0.00222222
0.13809449	0.26042969	-0.00787238	-0.00249085	450	0.00222222
0.12390384	0.22664854	-0.00621604	-0.0022789	450	0.00222222
0.12138625	0.23679159	-0.00654841	-0.00230639	656.440592	0.00222222
0.13024776	0.24558391	-0.0067331	-0.00187876	450	0.00222222
0.16646572	0.28577474	-0.0099655	-0.00410966	503.478279	0.00222222
0.13412154	0.23866689	-0.00667783	-0.00270164	450	0.00222222
0.14818421	0.27184456	-0.00856677	-0.00308141	450	0.00222222
0.15494484	0.25442803	-0.00773155	-0.00357812	441.220238	0.00222222
0.14764468	0.26660892	-0.0082018	-0.00357156	482.311337	0.00222222
0.15937498	0.26471077	-0.00812302	-0.00360467	450	0.00444444
0.13497371	0.23914871	-0.00663155	-0.00257084	552.147889	0.00222222
0.06041376	0.09382801	-8.21E-04	-3.68E-04	450	0.00222222
0.07136546	0.10144284	-9.75E-04	-5.36E-04	408.864341	0.00222222
0.06548432	0.09804866	-9.54E-04	-4.98E-04	378.961896	0.00222222
0.06317661	0.09285338	-8.04E-04	-4.18E-04	450	0.00222222
0.06990812	0.10356877	-0.00102111	-5.50E-04	379.754862	0.00222222
0.06376886	0.09770173	-8.94E-04	-4.36E-04	360.817136	0.00222222
0.07231422	0.10487141	-0.00101126	-5.44E-04	450	0.00222222
0.06356453	0.09678947	-8.91E-04	-4.41E-04	638.396386	0.00222222
0.07119946	0.09978753	-9.52E-04	-5.15E-04	450	0.00222222
0.05926873	0.0925641	-7.77E-04	-3.96E-04	542.223384	0.00222222
0.05836051	0.09026396	-7.94E-04	-3.84E-04	450	0.00222222
0.06042626	0.08965155	-7.46E-04	-3.33E-04	575.642974	0.00222222
0.06944704	0.10127996	-9.35E-04	-4.85E-04	450	0.00222222
0.07325181	0.10824409	-0.00107412	-5.66E-04	450	0.00222222
0.05728374	0.08856923	-7.73E-04	-3.74E-04	450	0.00222222
0.05542103	0.08485435	-7.07E-04	-3.22E-04	450	0.00222222
0.05854516	0.08997705	-7.67E-04	-3.80E-04	450	0.00222222
0.07423336	0.10788745	-0.00109768	-6.12E-04	517.510361	0.00222222
0.07220491	0.10055365	-9.84E-04	-5.60E-04	450	0.00222222
0.06071026	0.09329607	-8.63E-04	-4.45E-04	450	0.00222222
0.06682677	0.09549512	-8.81E-04	-4.50E-04	372.424562	0.00222222
0.0725801	0.10386551	-0.001014	-5.98E-04	450	0.00222222
0.056673	0.08609703	-6.99E-04	-3.42E-04	386.697376	0.00222222
0.06366622	0.09547983	-8.65E-04	-4.32E-04	347.459377	0.00222222
0.06071898	0.09352123	-8.44E-04	-4.14E-04	450	0.00222222
0.07588346	0.10972132	-0.00111195	-6.25E-04	463.699128	0.00222222
0.06365217	0.09493412	-8.63E-04	-4.31E-04	450	0.00222222
0.06851083	0.10279047	-9.62E-04	-4.98E-04	756.3151	0.00222222
0.06832916	0.10099668	-9.43E-04	-4.72E-04	593.453575	0.00222222

0.07346552	0.10466375	-0.00100399	-5.41E-04	386.784566	0.00222222
0.06373624	0.09648602	-8.75E-04	-4.41E-04	450	0.00222222
0.05688314	0.08825314	-7.33E-04	-3.50E-04	450	0.00222222
0.06637354	0.09912448	-9.68E-04	-4.69E-04	450	0.00222222
0.07095182	0.10173085	-9.42E-04	-5.15E-04	450	0.00222222
0.06976204	0.10177686	-9.61E-04	-5.23E-04	450	0.00222222
0.06581395	0.09587627	-8.83E-04	-4.81E-04	450	0.00222222
0.06642221	0.09949676	-9.07E-04	-4.41E-04	336.449194	0.00222222
0.06007942	0.09096745	-7.80E-04	-3.96E-04	450	0.00222222
0.05971908	0.09019211	-7.77E-04	-3.96E-04	450	0.00222222
0.07099909	0.10100464	-0.00101471	-5.49E-04	450	0.00222222
0.06698575	0.10094673	-9.49E-04	-5.02E-04	450	0.00222222
0.07866344	0.11134511	-0.00118792	-6.90E-04	450	0.00222222
0.05572875	0.08803866	-7.81E-04	-3.65E-04	450	0.00222222
0.06945068	0.10036556	-9.62E-04	-5.12E-04	450	0.00222222
0.07229799	0.10183784	-9.69E-04	-5.27E-04	450	0.00222222
0.06548298	0.09952861	-9.53E-04	-4.71E-04	450	0.00222222
0.05751654	0.0940818	-8.80E-04	-4.45E-04	450	0.00222222
0.07048866	0.10481733	-0.00105689	-5.40E-04	450	0.00222222
0.05765723	0.08780805	-7.26E-04	-3.39E-04	450	0.00222222
0.06836609	0.09716687	-8.89E-04	-4.52E-04	450	0.00222222
0.0652235	0.09823877	-9.35E-04	-4.99E-04	450	0.00222222
0.06210817	0.09398614	-8.50E-04	-4.09E-04	450	0.00222222
0.06238523	0.09335302	-8.09E-04	-4.12E-04	450	0.00222222
0.05774845	0.08720828	-7.44E-04	-3.85E-04	450	0.00222222
0.0790031	0.11145047	-0.00112494	-6.22E-04	595.038913	0.00222222
0.07047121	0.10578285	-0.00103012	-5.07E-04	450	0.00222222
0.06238742	0.09165632	-8.06E-04	-4.08E-04	450	0.00222222
0.05429323	0.0828761	-7.34E-04	-3.45E-04	450	0.00222222
0.07201551	0.10661503	-0.00108966	-5.75E-04	450	0.00222222
0.06789176	0.09936507	-9.67E-04	-5.13E-04	450	0.00222222
0.05926522	0.09248137	-8.19E-04	-3.67E-04	450	0.00222222
0.05335261	0.09113773	-7.52E-04	-2.87E-04	450	0.00222222
0.07053669	0.10231379	-9.84E-04	-5.38E-04	508.668523	0.00222222
0.06014847	0.08791132	-7.62E-04	-3.80E-04	432.111283	0.00222222
0.06018525	0.09158144	-7.95E-04	-3.98E-04	450	0.00222222
0.07099529	0.10709108	-0.0010473	-5.99E-04	450	0.00222222
0.08043695	0.11278615	-0.00116173	-6.71E-04	450	0.00222222
0.07615248	0.1096893	-0.00109626	-6.04E-04	450	0.00222222
0.07039936	0.1005124	-8.99E-04	-4.75E-04	450	0.00222222
0.06044827	0.09019388	-7.89E-04	-3.92E-04	450	0.00222222
0.07072059	0.10351213	-0.00100851	-5.36E-04	517.879959	0.00222222
0.07071701	0.10217046	-0.00102817	-5.69E-04	450	0.00222222

0.05525771	0.09209368	-8.27E-04	-3.94E-04	450	0.00222222
0.07349554	0.10469345	-9.76E-04	-5.04E-04	392.495775	0.00222222
0.05875978	0.09054185	-7.48E-04	-3.34E-04	450	0.00222222
0.06773178	0.09924843	-9.53E-04	-5.20E-04	450	0.00222222
0.05525479	0.08438754	-6.88E-04	-2.95E-04	450	0.00222222
0.07636923	0.11139847	-0.00112138	-6.39E-04	450	0.00222222
0.06900378	0.10084593	-9.35E-04	-5.16E-04	450	0.00222222
0.07759896	0.11034532	-0.00111094	-6.34E-04	450	0.00222222
0.07498754	0.10650206	-0.00105799	-5.87E-04	450	0.00222222
0.06757905	0.10170389	-0.00101671	-5.89E-04	450	0.00222222
0.07100424	0.10008328	-9.16E-04	-5.27E-04	450	0.00222222
0.07861854	0.11009627	-0.00104867	-5.75E-04	450	0.00222222
0.05812452	0.09099534	-7.77E-04	-3.91E-04	450	0.00222222
0.06633599	0.09809622	-9.27E-04	-4.94E-04	450	0.00222222
0.05735141	0.08480564	-7.11E-04	-3.40E-04	391.816274	0.00222222
0.07103031	0.10322482	-9.99E-04	-5.52E-04	450	0.00222222
0.06053593	0.09251031	-8.17E-04	-3.77E-04	450	0.00222222
0.05524119	0.08925851	-7.29E-04	-3.26E-04	384.354363	0.00222222
0.07867514	0.1129781	-0.00111795	-6.28E-04	450	0.00222222
0.05678347	0.0861579	-7.40E-04	-3.56E-04	450	0.00222222
0.0674719	0.09926115	-9.39E-04	-4.77E-04	580.617482	0.00222222
0.07424609	0.10447437	-0.00100489	-5.73E-04	450	0.00222222
0.05803256	0.08869663	-7.28E-04	-3.38E-04	535.64696	0.00222222
0.05880594	0.09149489	-8.26E-04	-4.11E-04	450	0.00222222
0.07204154	0.10083806	-9.45E-04	-5.18E-04	450	0.00222222
0.06601989	0.10060318	-9.09E-04	-4.36E-04	378.610231	0.00222222
0.05561071	0.08489126	-7.09E-04	-3.18E-04	481.378186	0.00222222
0.05868752	0.0894974	-8.07E-04	-3.93E-04	450	0.00222222
0.04468719	0.07434463	-5.71E-04	-3.15E-04	450	0.00222222
0.05377069	0.08251756	-6.09E-04	-3.71E-04	420.862107	0.00222222
0.04427767	0.07124851	-5.00E-04	-2.72E-04	450	0.00222222
0.04872522	0.07683623	-5.20E-04	-3.06E-04	450	0.00222222
0.04826987	0.08166106	-6.21E-04	-3.51E-04	519.272406	0.00222222
0.04621263	0.07858899	-6.03E-04	-3.41E-04	450	0.00222222
0.05520176	0.08220862	-6.12E-04	-3.88E-04	450	0.00222222
0.04237253	0.07327084	-5.51E-04	-3.05E-04	450	0.00222222
0.0559712	0.08250705	-5.83E-04	-3.70E-04	442.597852	0.00222222
0.03735779	0.06893932	-4.87E-04	-2.55E-04	533.873294	0.00222222
0.04545573	0.07795684	-5.64E-04	-3.17E-04	450	0.00222222
0.0483312	0.07699871	-5.66E-04	-3.35E-04	450	0.00222222
0.04485592	0.07505308	-5.76E-04	-3.16E-04	450	0.00222222
0.04398543	0.07507768	-5.27E-04	-2.70E-04	450	0.00222222
0.05000069	0.08107158	-6.24E-04	-3.61E-04	450	0.00222222

0.0480696	0.07852816	-5.61E-04	-3.19E-04	520.482167	0.00222222
0.04955419	0.07887431	-6.01E-04	-3.35E-04	450	0.00222222
0.04497377	0.0766116	-5.63E-04	-3.10E-04	450	0.00222222
0.04884054	0.08171527	-6.09E-04	-3.43E-04	450	0.00222222
0.04410343	0.07752943	-5.94E-04	-3.26E-04	450	0.00222222
0.04888233	0.07855573	-5.73E-04	-3.24E-04	547.265857	0.00222222
0.04646283	0.07681737	-5.82E-04	-3.33E-04	388.025121	0.00222222
0.04817423	0.07831792	-5.71E-04	-3.10E-04	450	0.00222222
0.04723248	0.07939184	-5.90E-04	-3.28E-04	450	0.00222222
0.04553663	0.0754381	-5.72E-04	-3.21E-04	392.889192	0.00222222
0.04846792	0.07948566	-5.99E-04	-3.33E-04	450	0.00222222
0.04298741	0.07360709	-5.25E-04	-2.86E-04	450	0.00222222
0.05401355	0.08497494	-6.37E-04	-3.77E-04	450	0.00222222
0.04619098	0.0773392	-5.64E-04	-3.07E-04	387.712161	0.00222222
0.04871242	0.07848411	-5.88E-04	-3.45E-04	450	0.00222222
0.05144468	0.08221422	-6.14E-04	-3.65E-04	450	0.00222222
0.04495475	0.07138918	-4.79E-04	-2.86E-04	450	0.00222222
0.0506674	0.08090454	-6.24E-04	-3.47E-04	356.683078	0.00222222
0.04709336	0.07920869	-5.95E-04	-3.34E-04	317.121783	0.00222222
0.05063673	0.07862112	-5.81E-04	-3.55E-04	450	0.00222222
0.04482356	0.076815	-5.49E-04	-2.88E-04	450	0.00222222
0.05103189	0.07977603	-5.90E-04	-3.51E-04	450	0.00222222
0.04462928	0.07509271	-5.71E-04	-3.16E-04	450	0.00222222
0.04985444	0.07990201	-5.94E-04	-3.55E-04	450	0.00222222
0.05362577	0.08272655	-6.04E-04	-3.66E-04	450	0.00222222
0.04291723	0.07787826	-6.13E-04	-3.04E-04	450	0.00222222
0.04217244	0.07102567	-5.10E-04	-2.83E-04	741.836944	0.00222222
0.04653554	0.07841678	-5.82E-04	-3.12E-04	390.052482	0.00222222
0.04117	0.07051341	-5.51E-04	-2.95E-04	680.327293	0.00222222
0.04925793	0.07875774	-5.88E-04	-3.40E-04	450	0.00222222
0.04846133	0.07287295	-5.20E-04	-3.12E-04	312.814443	0.00222222
0.04746243	0.07656378	-5.56E-04	-3.19E-04	450	0.00222222
0.0489501	0.08115247	-6.09E-04	-3.30E-04	450	0.00222222
0.04704116	0.07968321	-6.07E-04	-3.27E-04	402.482119	0.00222222
0.0419725	0.07697336	-5.92E-04	-2.96E-04	450	0.00222222
0.04871334	0.08070426	-6.24E-04	-3.50E-04	598.629708	0.00222222
0.05624676	0.08240142	-6.00E-04	-3.82E-04	525.897075	0.00222222
0.05332802	0.08202196	-6.04E-04	-3.67E-04	450	0.00222222
0.04792691	0.07891016	-5.81E-04	-3.24E-04	450	0.00222222
0.04604886	0.07693903	-5.55E-04	-3.11E-04	450	0.00222222
0.04367268	0.0741072	-5.51E-04	-3.00E-04	450	0.00222222
0.04637244	0.0763981	-5.57E-04	-3.14E-04	450	0.00222222
0.04131389	0.07312434	-5.27E-04	-2.61E-04	450	0.00222222

0.0587119	0.08385483	-5.97E-04	-3.86E-04	648.058278	0.00222222
0.04271757	0.07488829	-5.58E-04	-2.94E-04	391.778854	0.00222222
0.04762527	0.07609429	-5.20E-04	-2.88E-04	450	0.00222222
0.04472628	0.0728263	-5.55E-04	-3.25E-04	450	0.00222222
0.05010907	0.08259447	-6.15E-04	-3.60E-04	450	0.00222222
0.04537731	0.07239238	-4.85E-04	-2.78E-04	450	0.00222222
0.04704226	0.08136662	-6.20E-04	-3.42E-04	375.37742	0.00222222
0.05022527	0.07874455	-5.77E-04	-3.46E-04	450	0.00222222
0.04910252	0.07903706	-5.59E-04	-3.19E-04	450	0.00222222
0.04818203	0.08209766	-6.21E-04	-3.43E-04	382.509079	0.00222222
0.04959475	0.07934528	-6.12E-04	-3.51E-04	450	0.00222222
0.05327425	0.0842708	-6.20E-04	-3.79E-04	450	0.00222222
0.04863585	0.078336	-5.78E-04	-3.34E-04	718.123084	0.00222222
0.05069378	0.0820477	-6.29E-04	-3.64E-04	450	0.00222222
0.04755135	0.07790712	-5.83E-04	-3.29E-04	521.489021	0.00222222
0.04265284	0.07221895	-5.34E-04	-2.92E-04	450	0.00222222
0.04980154	0.08128315	-6.22E-04	-3.57E-04	531.25011	0.00222222
0.04852244	0.07992496	-5.97E-04	-3.45E-04	383.509181	0.00222222
0.05130021	0.08221514	-5.74E-04	-3.22E-04	450	0.00222222
0.04758415	0.077298	-5.70E-04	-3.25E-04	388.082903	0.00222222
0.04092789	0.07655968	-5.76E-04	-2.86E-04	450	0.00222222
0.04858802	0.0795612	-5.86E-04	-3.28E-04	450	0.00222222
0.04895396	0.07457351	-5.10E-04	-3.14E-04	1704.10419	0.00222222
0.04545603	0.07770326	-5.69E-04	-2.95E-04	693.686796	0.00222222
0.04480765	0.07779066	-6.07E-04	-3.28E-04	450	0.00222222
0.04843698	0.07951718	-6.02E-04	-3.48E-04	302.393038	0.00222222
0.05084258	0.07913626	-5.83E-04	-3.39E-04	450	0.00222222
0.04575272	0.07306682	-5.15E-04	-3.01E-04	450	0.00222222
0.04274699	0.07541712	-5.79E-04	-3.04E-04	379.431941	0.00222222
0.04958183	0.07882068	-6.09E-04	-3.58E-04	450	0.00222222
0.0404018	0.07508487	-5.77E-04	-2.84E-04	450	0.00222222
0.04261824	0.07244092	-5.23E-04	-3.00E-04	450	0.00222222
0.0495007	0.07714526	-5.31E-04	-3.29E-04	450	0.00222222
0.05046868	0.08053435	-6.08E-04	-3.56E-04	450	0.00222222
0.04440365	0.07695317	-5.76E-04	-3.18E-04	450	0.00222222
0.0411247	0.0709637	-4.85E-04	-2.69E-04	450	0.00222222
0.05040642	0.07919576	-5.67E-04	-3.29E-04	615.163419	0.00222222
0.05128244	0.07468989	-5.22E-04	-3.39E-04	617.044598	0.00222222
0.04378151	0.07453428	-5.25E-04	-2.78E-04	522.368847	0.00222222
0.04155189	0.07550035	-5.53E-04	-2.95E-04	450	0.00222222
0.05648235	0.08236626	-6.16E-04	-3.89E-04	450	0.00222222
0.0482692	0.07634137	-5.28E-04	-3.18E-04	389.833004	0.00222222
0.11977665	0.23673776	-0.00600827	-0.0020669	450	0.00222222

0.15206986	0.26333137	-0.00703295	-0.00288071	450	0.00222222
0.14500005	0.27088331	-0.00806016	-0.00322117	334.865397	0.00222222
0.14812291	0.26216674	-0.00717371	-0.00271652	450	0.00222222
0.1728805	0.28541455	-0.00806895	-0.00353431	450	0.00222222
0.12312021	0.23589676	-0.0057872	-0.00192386	450	0.00222222
0.11251534	0.22668966	-0.00575202	-0.00181583	450	0.00222222
0.11965399	0.25473852	-0.0069442	-0.00214987	450	0.00222222
0.15500946	0.27459998	-0.00788666	-0.00345295	863.885528	0.00222222
0.12529478	0.23687995	-0.00569185	-0.00206402	561.92629	0.00222222
0.1252637	0.25327156	-0.00682608	-0.00271444	450	0.00222222
0.14845067	0.28657825	-0.0090144	-0.00355939	450	0.00222222
0.13204452	0.25313043	-0.00658411	-0.00262308	450	0.00222222
0.13436729	0.2620847	-0.00723646	-0.00276715	450	0.00222222
0.12200067	0.2605409	-0.00793006	-0.0022915	450	0.00222222
0.11987961	0.22916342	-0.00582261	-0.00208778	450	0.00222222
0.15357271	0.25469554	-0.00665408	-0.00304362	450	0.00222222
0.12796095	0.26178787	-0.00733078	-0.00277224	450	0.00222222
0.12341857	0.24962132	-0.0067342	-0.00201348	514.639446	0.00222222
0.12705846	0.24102392	-0.00660621	-0.00241331	450	0.00222222
0.13270611	0.2362516	-0.00591221	-0.00240482	450	0.00222222
0.11622839	0.23739373	-0.00645214	-0.00220309	434.180152	0.00222222
0.10160461	0.24323303	-0.00603823	-0.00127076	540.505111	0.00222222
0.11726915	0.24738935	-0.0064706	-0.00192871	516.468916	0.00222222
0.120225	0.23934119	-0.00614512	-0.00184275	450	0.00222222
0.11871522	0.24584857	-0.00648335	-0.00186968	450	0.00222222
0.13087562	0.25163305	-0.00675134	-0.00234167	367.069141	0.00222222
0.15054127	0.25674268	-0.00693914	-0.00281313	450	0.00222222
0.1108759	0.23737901	-0.00630458	-0.00169883	562.765563	0.00222222
0.14193425	0.25383007	-0.0065357	-0.00257652	450	0.00222222
0.14891904	0.26287854	-0.00753399	-0.00276855	266.608619	0.00222222
0.12901549	0.23938151	-0.00594593	-0.00191375	450	0.00222222
0.13955028	0.27224035	-0.00840104	-0.0028071	450	0.00222222
0.12507233	0.23471141	-0.00590258	-0.00214994	450	0.00222222
0.13862999	0.2485968	-0.00634417	-0.00242004	450	0.00222222
0.121322	0.24343	-0.00614379	-0.00212343	450	0.00222222
0.12552479	0.22810183	-0.00586465	-0.00241206	450	0.00222222
0.14294195	0.25687294	-0.00715065	-0.00302907	450	0.00222222
0.11015379	0.21430369	-0.00498749	-0.00148001	450	0.00222222
0.13467964	0.24075213	-0.00597491	-0.00236877	450	0.00222222
0.1343309	0.24753978	-0.00662638	-0.00258709	450	0.00222222
0.1337669	0.24070689	-0.00595236	-0.00229706	515.256357	0.00222222
0.11702303	0.24064312	-0.00628355	-0.00211865	518.697759	0.00222222
0.1310264	0.24962391	-0.00723207	-0.00316514	559.078995	0.00222222

0.12246527	0.23241755	-0.00584247	-0.00239002	450	0.00222222
0.12178095	0.24610031	-0.00596693	-0.00165498	450	0.00222222
0.12639346	0.24170878	-0.00629829	-0.0020967	450	0.00222222
0.1060572	0.21864364	-0.00532684	-0.00150119	450	0.00222222
0.14988782	0.26306278	-0.00736023	-0.00325799	450	0.00222222
0.13509338	0.25643805	-0.00701346	-0.00280629	450	0.00222222
0.14713943	0.26124456	-0.00744947	-0.00302464	450	0.00222222
0.1367066	0.25973944	-0.00742912	-0.00282442	450	0.00222222
0.13240665	0.24588575	-0.00630856	-0.00218164	450	0.00222222
0.1419304	0.25725506	-0.00723752	-0.00284895	447.58836	0.00222222
0.14931677	0.28133276	-0.00818591	-0.00285155	492.557691	0.00222222
0.16500753	0.27231358	-0.00772203	-0.00360925	450	0.00222222
0.16615224	0.27628763	-0.00833502	-0.00382648	289.499534	0.00222222
0.12579142	0.23497766	-0.0056393	-0.00201305	450	0.00222222
0.14060213	0.26920448	-0.00775241	-0.0026884	450	0.00222222
0.14923612	0.26571239	-0.00676071	-0.00284011	450	0.00222222
0.13992942	0.24663834	-0.00663895	-0.0026886	450	0.00222222
0.14007334	0.26886677	-0.00682987	-0.00231429	450	0.00222222
0.12092196	0.2522508	-0.00687283	-0.0020578	372.065167	0.00222222
0.14976705	0.27191164	-0.00736188	-0.00260203	450	0.00222222
0.13547275	0.26356718	-0.00787087	-0.00328878	350.451774	0.00222222
0.10176595	0.21643734	-0.00540902	-0.00170079	450	0.00222222
0.09952872	0.22783705	-0.00543595	-0.00121142	450	0.00222222
0.12665682	0.22781255	-0.00579132	-0.00229111	538.732547	0.00222222
0.11126845	0.23204671	-0.00595437	-0.0020245	450	0.00222222
0.12013	0.25947356	-0.00700669	-0.00185314	450	0.00222222
0.12628481	0.2217367	-0.00512714	-0.00180144	450	0.00222222
0.12259497	0.2302638	-0.00579913	-0.00178717	450	0.00222222
0.08489298	0.22205985	-0.00592818	-9.50E-04	450	0.00222222
0.13052154	0.25033225	-0.00724904	-0.00271837	450	0.00222222
0.12173258	0.23046717	-0.00593831	-0.00205273	450	0.00222222
0.14362365	0.24103337	-0.00630612	-0.00284902	347.447114	0.00222222
0.13097671	0.22655365	-0.00542506	-0.00229276	450	0.00222222
0.11019892	0.2433546	-0.00663013	-0.00189847	450	0.00222222
0.11784306	0.23477078	-0.00606038	-0.00176198	220.56289	0.00222222
0.12564662	0.25046462	-0.00722491	-0.00283905	450	0.00222222
0.11164264	0.24194128	-0.00602724	-0.00173256	567.223825	0.00222222
0.12634097	0.2526834	-0.00620958	-0.00206539	450	0.00222222
0.11018397	0.23510875	-0.00621802	-0.00196027	450	0.00222222
0.12588162	0.2525067	-0.00727408	-0.00230154	450	0.00222222
0.14565491	0.26321472	-0.0071179	-0.00295856	450	0.00222222
0.13424871	0.22303581	-0.00562396	-0.0022266	450	0.00222222
0.10387997	0.22340535	-0.00556801	-0.00154438	450	0.00222222

0.11329396	0.22598314	-0.00541076	-0.0013793	450	0.00222222
0.13045404	0.23687813	-0.0057958	-0.0021383	378.799404	0.00222222
0.12527587	0.23855913	-0.00638291	-0.00237682	450	0.00222222
0.1231299	0.23073038	-0.00575005	-0.0021254	450	0.00222222
0.1126813	0.23345363	-0.00544399	-0.00171007	379.324424	0.00222222
0.10411315	0.24091651	-0.00651446	-0.00169338	450	0.00222222
0.14715564	0.26453759	-0.00728267	-0.00298902	450	0.00222222
0.14379758	0.26381502	-0.00702787	-0.00286142	450	0.00222222
0.1279396	0.25441717	-0.00695681	-0.00248837	450	0.00222222
0.11706404	0.24068526	-0.00681276	-0.00222776	450	0.00222222
0.11969246	0.26640184	-0.0075357	-0.00206971	450	0.00444444
0.1378146	0.24928661	-0.00651622	-0.00275112	450	0.00222222
0.0966652	0.23166098	-0.00608371	-0.0012906	402.910792	0.00222222
0.03737487	0.06141167	-3.24E-04	-1.63E-04	450	0.00222222
0.03002128	0.05675285	-2.77E-04	-1.18E-04	548.392389	0.00222222
0.03640767	0.06142	-3.31E-04	-1.39E-04	603.171369	0.00222222
0.03405099	0.06211729	-3.07E-04	-1.20E-04	613.415693	0.00222222
0.03655703	0.06299511	-3.18E-04	-1.55E-04	450	0.00222222
0.03148629	0.05663371	-2.77E-04	-1.25E-04	565.442829	0.00444444
0.03173429	0.05755637	-2.95E-04	-1.24E-04	450	0.00222222
0.03693694	0.06196309	-3.21E-04	-1.50E-04	450	0.00222222
0.03318586	0.0599715	-3.07E-04	-1.36E-04	450	0.00222222
0.03720196	0.06350028	-3.27E-04	-1.45E-04	819.145798	0.00222222
0.03204164	0.05638701	-2.90E-04	-1.38E-04	450	0.00222222
0.03443716	0.06159456	-3.17E-04	-1.39E-04	450	0.00222222
0.03481988	0.05848838	-2.96E-04	-1.42E-04	456.567631	0.00222222
0.03047678	0.05677781	-2.92E-04	-1.27E-04	450	0.00222222
0.03550491	0.05835078	-3.08E-04	-1.41E-04	450	0.00222222
0.03560982	0.05950847	-3.04E-04	-1.34E-04	450	0.00222222
0.03587868	0.06241732	-3.22E-04	-1.47E-04	450	0.00222222
0.03300002	0.06204613	-3.17E-04	-1.24E-04	450	0.00222222
0.03500591	0.05870435	-2.85E-04	-1.31E-04	450	0.00222222
0.03293922	0.05825062	-3.03E-04	-1.22E-04	450	0.00222222
0.03650176	0.06170062	-3.18E-04	-1.43E-04	450	0.00222222
0.03436866	0.05999846	-2.95E-04	-1.44E-04	386.835821	0.00222222
0.03177507	0.05865626	-3.11E-04	-1.33E-04	450	0.00222222
0.03069667	0.06046483	-2.80E-04	-1.02E-04	494.645528	0.00222222
0.03884927	0.06616738	-3.77E-04	-1.78E-04	401.6243	0.00222222
0.03737116	0.064118	-3.28E-04	-1.57E-04	450	0.00222222
0.03282794	0.05872697	-3.04E-04	-1.32E-04	450	0.00222222
0.03602214	0.0624772	-3.15E-04	-1.38E-04	450	0.00222222
0.0318212	0.05450107	-2.67E-04	-1.27E-04	532.27691	0.00222222
0.0318406	0.05695628	-3.12E-04	-1.32E-04	450	0.00222222

0.0313457	0.05802412	-3.01E-04	-1.31E-04	450	0.00222222
0.03193961	0.05863975	-3.01E-04	-1.31E-04	450	0.00222222
0.03687732	0.06115813	-3.30E-04	-1.56E-04	479.116051	0.00222222
0.03163487	0.05515755	-2.61E-04	-1.03E-04	450	0.00222222
0.033586	0.0580946	-2.82E-04	-1.28E-04	377.076659	0.00222222
0.03123027	0.05883194	-3.04E-04	-1.25E-04	400.762214	0.00222222
0.03363586	0.05951864	-3.07E-04	-1.26E-04	450	0.00222222
0.02912922	0.05791956	-2.86E-04	-1.20E-04	751.776447	0.00222222
0.03673719	0.06401327	-3.27E-04	-1.39E-04	450	0.00222222
0.03266582	0.0560927	-2.76E-04	-1.24E-04	450	0.00222222
0.03545557	0.06158631	-3.35E-04	-1.48E-04	450	0.00222222
0.03709203	0.06476552	-3.43E-04	-1.50E-04	450	0.00222222
0.03233009	0.05771441	-2.93E-04	-1.18E-04	539.261411	0.00222222
0.02956987	0.05600773	-2.95E-04	-1.20E-04	450	0.00222222
0.03245494	0.05967088	-2.88E-04	-1.16E-04	450	0.00222222
0.03705275	0.06159787	-3.27E-04	-1.46E-04	450	0.00222222
0.03619258	0.06277662	-3.38E-04	-1.58E-04	450	0.00222222
0.0353268	0.05730871	-2.81E-04	-1.44E-04	450	0.00222222
0.03794992	0.06704595	-3.26E-04	-1.18E-04	450	0.00222222
0.03961945	0.06353889	-3.22E-04	-1.54E-04	450	0.00222222
0.03180884	0.0589937	-3.18E-04	-1.47E-04	450	0.00222222
0.03279875	0.05726986	-2.91E-04	-1.38E-04	450	0.00222222
0.03598685	0.06059886	-3.12E-04	-1.29E-04	450	0.00222222
0.03172648	0.0583788	-3.14E-04	-1.32E-04	450	0.00222222
0.03630432	0.06216323	-3.06E-04	-1.45E-04	511.46504	0.00222222
0.03441193	0.06108243	-3.35E-04	-1.62E-04	450	0.00222222
0.0364576	0.0609978	-3.12E-04	-1.43E-04	450	0.00222222
0.03431062	0.06229847	-3.28E-04	-1.40E-04	450	0.00222222
0.03546792	0.06384583	-3.54E-04	-1.50E-04	450	0.00222222
0.0351927	0.05915924	-3.03E-04	-1.47E-04	450	0.00222222
0.03654786	0.05831735	-2.92E-04	-1.48E-04	593.401409	0.00222222
0.03420023	0.06134493	-0.00032252	-1.45E-04	450	0.00222222
0.03304374	0.05665694	-2.81E-04	-1.26E-04	404.510924	0.00222222
0.03357436	0.05961256	-3.00E-04	-1.24E-04	531.598498	0.00222222
0.0330662	0.06074591	-3.19E-04	-1.32E-04	450	0.00222222
0.03509021	0.05934463	-2.99E-04	-1.29E-04	450	0.00222222
0.03355953	0.05760441	-3.15E-04	-1.36E-04	375.331294	0.00222222
0.03035918	0.05697666	-3.03E-04	-1.35E-04	450	0.00222222
0.03528689	0.06193797	-3.07E-04	-1.25E-04	450	0.00444444
0.03012202	0.05582119	-2.79E-04	-1.27E-04	450	0.00222222
0.0385243	0.06077045	-3.27E-04	-1.64E-04	450	0.00222222
0.0333468	0.06075571	-3.09E-04	-1.39E-04	514.955283	0.00222222
0.03411043	0.05956091	-3.25E-04	-1.42E-04	450	0.00222222

0.03253286	0.06239979	-3.04E-04	-1.19E-04	450	0.00222222
0.03323195	0.05824393	-2.94E-04	-1.25E-04	450	0.00222222
0.03609128	0.06244328	-3.25E-04	-1.49E-04	450	0.00222222
0.03306076	0.06129005	-3.16E-04	-1.35E-04	450	0.00222222
0.02687613	0.05601139	-2.97E-04	-1.29E-04	398.508911	0.00222222
0.03149199	0.05757124	-2.84E-04	-1.10E-04	645.530374	0.00888889
0.03330761	0.05994499	-3.16E-04	-1.40E-04	450	0.00222222
0.03362161	0.05994555	-3.08E-04	-1.29E-04	450	0.00222222
0.03238289	0.05824784	-3.04E-04	-1.29E-04	548.001238	0.00222222
0.03297118	0.05776312	-2.88E-04	-1.39E-04	450	0.00222222
0.0314114	0.05666264	-2.89E-04	-1.26E-04	450	0.00222222
0.02951106	0.05899831	-3.04E-04	-1.16E-04	450	0.00222222
0.03009559	0.05831744	-2.83E-04	-9.55E-05	450	0.00222222
0.03258946	0.06257664	-3.28E-04	-1.24E-04	450	0.00222222
0.03387206	0.06291231	-3.50E-04	-1.60E-04	450	0.00222222
0.03483336	0.06261036	-3.26E-04	-1.37E-04	450	0.00222222
0.03269809	0.05870104	-3.13E-04	-1.34E-04	526.856683	0.00222222
0.03550809	0.06185603	-3.30E-04	-1.55E-04	450	0.00222222
0.03438919	0.0588141	-2.80E-04	-1.19E-04	450	0.00222222
0.02936341	0.05923966	-3.08E-04	-1.36E-04	450	0.00222222
0.03304073	0.06086881	-3.25E-04	-1.45E-04	952.095556	0.00222222
0.03407866	0.05760217	-2.97E-04	-1.30E-04	450	0.00222222
0.02928273	0.05712894	-2.79E-04	-1.10E-04	450	0.00222222
0.03341664	0.06065621	-2.96E-04	-1.22E-04	560.597763	0.00222222
0.03177417	0.06016396	-3.04E-04	-1.27E-04	450	0.00222222
0.03579535	0.06362764	-3.15E-04	-1.52E-04	584.535658	0.00444444
0.03608751	0.06205463	-0.00030918	-1.33E-04	450	0.00222222
0.04370104	0.0554114	-2.88E-04	-1.92E-04	450	0.00222222
0.04310509	0.0553627	-2.84E-04	-1.85E-04	450	0.00222222
0.04209226	0.0550324	-2.92E-04	-1.89E-04	496.889343	0.00222222
0.04291802	0.05555642	-2.89E-04	-1.81E-04	450	0.00222222
0.04378466	0.05647428	-2.98E-04	-1.95E-04	450	0.00222222
0.04126013	0.0545823	-2.82E-04	-1.77E-04	450	0.00222222
0.04261318	0.05648465	-3.02E-04	-1.88E-04	539.998627	0.00222222
0.04143435	0.05398666	-2.74E-04	-1.71E-04	450	0.00222222
0.04313531	0.05500343	-2.88E-04	-1.86E-04	450	0.00222222
0.04352327	0.05675933	-2.98E-04	-1.85E-04	450	0.00222222
0.04234404	0.05507945	-2.94E-04	-1.86E-04	450	0.00222222
0.04374137	0.05779198	-3.11E-04	-1.94E-04	450	0.00222222
0.04485039	0.05814541	-3.13E-04	-1.95E-04	450	0.00222222
0.04309424	0.05684266	-3.01E-04	-1.85E-04	448.72928	0.00222222
0.04331819	0.05461979	-2.81E-04	-1.86E-04	450	0.00222222
0.04595703	0.05986425	-3.25E-04	-2.10E-04	544.488207	0.00222222

0.04267137	0.05595682	-2.85E-04	-1.76E-04	450	0.00222222
0.04402338	0.05608772	-2.99E-04	-1.96E-04	450	0.00222222
0.04451694	0.05752065	-3.17E-04	-2.03E-04	450	0.00222222
0.04582051	0.0587169	-3.16E-04	-2.12E-04	450	0.00222222
0.04432204	0.05666581	-3.07E-04	-2.02E-04	521.062256	0.00222222
0.04103822	0.0546005	-2.86E-04	-1.74E-04	450	0.00222222
0.04195495	0.05416851	-2.82E-04	-1.83E-04	450	0.00222222
0.04423552	0.05764784	-3.15E-04	-1.99E-04	518.52849	0.00222222
0.04284182	0.05583357	-3.01E-04	-1.92E-04	450	0.00222222
0.04223821	0.05453882	-2.80E-04	-1.83E-04	450	0.00222222
0.04233277	0.05527036	-2.99E-04	-1.93E-04	514.286612	0.00222222
0.04377421	0.05559578	-2.91E-04	-1.93E-04	450	0.00222222
0.04337944	0.05605793	-2.95E-04	-1.90E-04	450	0.00222222
0.04254387	0.05464274	-2.87E-04	-1.91E-04	450	0.00222222
0.04191693	0.05453001	-2.71E-04	-1.72E-04	450	0.00222222
0.04170594	0.05428068	-2.82E-04	-1.76E-04	529.814606	0.00222222
0.04307362	0.05429407	-0.00028381	-1.88E-04	450	0.00222222
0.043522	0.05625453	-3.01E-04	-1.92E-04	450	0.00222222
0.04406638	0.0576844	-3.19E-04	-2.06E-04	450	0.00222222
0.04395752	0.05638973	-3.02E-04	-1.98E-04	450	0.00222222
0.04073975	0.05363765	-2.78E-04	-1.76E-04	450	0.00222222
0.04304608	0.05583512	-3.02E-04	-1.94E-04	450	0.00222222
0.0429756	0.05545997	-2.96E-04	-1.88E-04	523.625158	0.00222222
0.04215371	0.05439729	-2.80E-04	-1.75E-04	450	0.00222222
0.0428296	0.05535272	-2.97E-04	-1.86E-04	450	0.00222222
0.04228986	0.05411642	-2.76E-04	-1.77E-04	450	0.00222222
0.04457481	0.05693781	-3.00E-04	-1.96E-04	450	0.00222222
0.04319022	0.05644903	-3.05E-04	-1.92E-04	450	0.00222222
0.04352107	0.05574018	-2.90E-04	-1.87E-04	450	0.00222222
0.04214503	0.05613274	-2.95E-04	-1.80E-04	392.24892	0.00222222
0.04237338	0.05498077	-2.85E-04	-1.77E-04	450	0.00222222
0.04251167	0.05482687	-2.82E-04	-1.78E-04	523.669626	0.00222222
0.04337964	0.05618409	-2.96E-04	-1.86E-04	230.751886	0.00222222
0.04232502	0.0563227	-2.90E-04	-1.73E-04	450	0.00222222
0.04131476	0.05368502	-2.74E-04	-1.74E-04	376.260729	0.00222222
0.04340244	0.05627694	-2.93E-04	-1.82E-04	450	0.00222222
0.04084887	0.05407794	-2.77E-04	-1.78E-04	450	0.00222222
0.0424091	0.05577182	-3.00E-04	-1.90E-04	450	0.00222222
0.04340486	0.05602799	-2.90E-04	-1.89E-04	541.814109	0.00222222
0.04256172	0.05589688	-2.89E-04	-1.79E-04	450	0.00222222
0.04484314	0.05773253	-3.16E-04	-2.00E-04	450	0.00222222
0.04190326	0.05525203	-2.97E-04	-1.84E-04	423.258627	0.00222222
0.0448783	0.05775537	-3.19E-04	-2.08E-04	390.540235	0.00222222

0.042289	0.05480584	-2.87E-04	-1.81E-04	804.883652	0.00222222
0.0450389	0.05747627	-3.13E-04	-2.00E-04	377.994426	0.00222222
0.04174484	0.05489921	-2.76E-04	-1.72E-04	450	0.00222222
0.0424411	0.05573281	-2.93E-04	-1.82E-04	450	0.00222222
0.0409171	0.05282172	-2.70E-04	-1.73E-04	450	0.00222222
0.04179925	0.05433973	-2.76E-04	-1.74E-04	429.834329	0.00222222
0.04308967	0.05492591	-2.81E-04	-1.81E-04	450	0.00222222
0.04524344	0.0589504	-3.33E-04	-2.12E-04	450	0.00222222
0.0410827	0.05448475	-2.83E-04	-1.79E-04	450	0.00222222
0.04114425	0.05302074	-2.72E-04	-1.75E-04	450	0.00222222
0.04225117	0.05550389	-2.86E-04	-1.85E-04	450	0.00222222
0.04212649	0.05565844	-2.97E-04	-1.86E-04	450	0.00222222
0.04600694	0.05961883	-3.29E-04	-2.12E-04	450	0.00222222
0.04336984	0.05525796	-2.93E-04	-1.92E-04	450	0.00222222
0.04184242	0.05453546	-2.86E-04	-1.80E-04	450	0.00222222
0.04364702	0.05700753	-3.09E-04	-1.96E-04	450	0.00222222
0.04351658	0.05740248	-3.11E-04	-1.92E-04	450	0.00222222
0.04183683	0.05455202	-2.91E-04	-1.90E-04	450	0.00222222
0.04114941	0.05340837	-2.83E-04	-1.78E-04	366.548143	0.00222222
0.04300444	0.05688718	-3.00E-04	-1.86E-04	450	0.00222222
0.04335742	0.05627975	-2.96E-04	-1.90E-04	450	0.00222222
0.04236601	0.05654542	-3.02E-04	-1.84E-04	238.528989	0.00222222
0.04219088	0.05598495	-2.93E-04	-1.86E-04	450	0.00222222
0.04314939	0.05438087	-2.87E-04	-1.88E-04	450	0.00222222
0.04174941	0.05461551	-2.82E-04	-1.73E-04	546.858579	0.00222222
0.04278521	0.05534872	-2.95E-04	-1.89E-04	450	0.00222222
0.04219323	0.05526693	-2.94E-04	-1.81E-04	443.006326	0.00222222
0.04204317	0.05519596	-2.86E-04	-1.78E-04	450	0.00222222
0.04332563	0.05569148	-2.90E-04	-1.94E-04	450	0.00222222
0.04453059	0.05832973	-3.17E-04	-1.99E-04	450	0.00222222
0.0429005	0.05456098	-2.84E-04	-1.84E-04	450	0.00222222
0.0443157	0.05778668	-3.05E-04	-2.00E-04	450	0.00222222
0.04434898	0.05707872	-2.98E-04	-1.96E-04	520.59375	0.00222222
0.04172865	0.0550535	-2.79E-04	-1.69E-04	450	0.00222222
0.04301216	0.05712971	-3.13E-04	-1.91E-04	450	0.00222222
0.04532881	0.05821558	-3.23E-04	-2.14E-04	450	0.00222222
0.04516406	0.05848599	-3.15E-04	-2.02E-04	450	0.00222222
0.04204041	0.05460779	-2.87E-04	-1.82E-04	450	0.00222222
0.04488227	0.05643224	-3.03E-04	-2.02E-04	450	0.00222222
0.04572153	0.05818627	-3.20E-04	-2.07E-04	450	0.00222222
0.04098228	0.05415762	-2.74E-04	-1.71E-04	450	0.00222222
0.03203541	0.04241469	-1.61E-04	-1.17E-04	450	0.00222222
0.03463021	0.04265666	-1.54E-04	-1.21E-04	588.968754	0.00222222

0.0342716	0.04321704	-1.61E-04	-1.23E-04	450	0.00222222
0.03433626	0.04282469	-1.59E-04	-1.23E-04	382.997462	0.00222222
0.0353874	0.04296034	-1.57E-04	-1.23E-04	450	0.00222222
0.03450234	0.04320831	-1.57E-04	-1.20E-04	450	0.00222222
0.03148463	0.04145865	-1.59E-04	-1.16E-04	315.583951	0.00222222
0.03510285	0.04390163	-1.65E-04	-1.27E-04	378.710067	0.00222222
0.03366665	0.04221367	-1.56E-04	-1.19E-04	450	0.00222222

asym_post_asym_lowerasym_upperasym_ess asym_pMCMC

0.24956277	0.21033441	0.27577051	387.592983	0.00222222
0.24695797	0.21682171	0.2797166	450	0.00222222
0.24120159	0.19872565	0.27342955	450	0.00222222
0.24550546	0.21433093	0.27842742	450	0.00222222
0.24239765	0.2035242	0.27291517	450	0.00222222
0.24762219	0.21324355	0.27711047	450	0.00222222
0.24303433	0.20774026	0.27497585	362.986352	0.00222222
0.2463906	0.20885393	0.27314136	386.469513	0.00222222
0.23956345	0.20446068	0.27007566	450	0.00222222
0.24555127	0.20973159	0.27727752	450	0.00222222
0.24100386	0.20632509	0.27081244	450	0.00222222
0.24343895	0.21220558	0.27671018	310.687026	0.00222222
0.2439243	0.21570528	0.27331692	450	0.00222222
0.23959257	0.20262827	0.27048857	450	0.00222222
0.24510668	0.2049151	0.27308806	534.601389	0.00222222
0.24106554	0.20558861	0.27071047	681.37852	0.00222222
0.24116933	0.19831261	0.27177344	450	0.00222222
0.24859864	0.21254798	0.27617468	450	0.00222222
0.2448246	0.2034022	0.27015035	450	0.00222222
0.24364081	0.20451141	0.2705114	450	0.00222222
0.24280476	0.20662013	0.26898497	350.030384	0.00222222
0.24590531	0.20776786	0.2734257	450	0.00222222
0.2483429	0.2123342	0.2747376	450	0.00222222
0.24565962	0.21226782	0.27740399	450	0.00222222
0.24562103	0.21033793	0.27440559	450	0.00222222
0.24441417	0.21317285	0.27440933	450	0.00222222
0.24747581	0.21378071	0.27969053	450	0.00222222
0.24601011	0.20993196	0.27672211	450	0.00222222
0.24005111	0.20918679	0.27291059	466.994967	0.00222222
0.24729435	0.21336604	0.28066715	450	0.00222222
0.24447018	0.21026539	0.27495465	454.714575	0.00222222
0.24360494	0.20651405	0.27874177	488.561471	0.00222222
0.24336917	0.2035021	0.27079073	450	0.00222222
0.24538085	0.21258184	0.27651173	497.930127	0.00222222
0.24376008	0.21196459	0.27622506	450	0.00222222
0.24530346	0.20527628	0.27658558	450	0.00222222
0.24365283	0.20238313	0.28133221	450	0.00222222
0.24297754	0.20772513	0.27341025	450	0.00222222
0.24645605	0.21141328	0.27555993	579.626879	0.00222222
0.24326306	0.20599056	0.2725908	450	0.00222222
0.24439217	0.2075017	0.27639991	450	0.00222222
0.2408561	0.20629255	0.27422952	450	0.00222222

0.24565674	0.20837772	0.28300105	450	0.00222222
0.24452878	0.21377801	0.27301186	450	0.00222222
0.24244969	0.20634439	0.27885968	559.357208	0.00222222
0.24384898	0.21002501	0.27587155	450	0.00222222
0.24250885	0.20582124	0.26962501	371.94691	0.00222222
0.24292962	0.20835018	0.27111326	450	0.00222222
0.24309747	0.20936362	0.2754276	450	0.00222222
0.24454922	0.21433566	0.27409059	450	0.00222222
0.24943854	0.21573002	0.28139682	637.113238	0.00222222
0.24364767	0.2075281	0.27539102	450	0.00222222
0.24316413	0.20477568	0.27506649	450	0.00222222
0.23949912	0.19903052	0.26647484	530.008577	0.00222222
0.24156868	0.20404899	0.27624379	450	0.00222222
0.24223812	0.20790856	0.27097952	450	0.00222222
0.23636961	0.20201949	0.26848154	543.285376	0.00222222
0.24951703	0.21599697	0.2794204	450	0.00222222
0.24162703	0.20395053	0.27139901	450	0.00222222
0.24956843	0.21613497	0.27937748	530.213821	0.00222222
0.24311442	0.21337284	0.27415837	544.998972	0.00222222
0.24211712	0.20276029	0.27077665	450	0.00222222
0.24967601	0.20932379	0.27421766	450	0.00222222
0.2398924	0.20009764	0.27102462	450	0.00222222
0.24483122	0.21170282	0.27375398	450	0.00222222
0.24641231	0.20998185	0.27526766	450	0.00222222
0.24614976	0.20869582	0.27728177	527.573707	0.00222222
0.24327699	0.20507583	0.26934928	371.101138	0.00222222
0.24121727	0.20867069	0.27245164	450	0.00222222
0.24562737	0.21419932	0.28208934	338.632173	0.00222222
0.24223344	0.21033585	0.2666215	450	0.00222222
0.24261961	0.20956481	0.27327313	450	0.00222222
0.24367286	0.20726937	0.27463378	450	0.00222222
0.2520817	0.21979857	0.27466845	450	0.00222222
0.24180286	0.21151226	0.27075958	450	0.00222222
0.24784618	0.2097109	0.27926468	450	0.00222222
0.24491917	0.21451874	0.27198576	450	0.00222222
0.24213958	0.2111312	0.27375156	450	0.00222222
0.24585583	0.21210609	0.27681517	450	0.00222222
0.23949999	0.2044709	0.27137263	342.297419	0.00222222
0.23879056	0.19872394	0.26944721	532.560873	0.00222222
0.24419979	0.20994019	0.27258077	450	0.00222222
0.24708072	0.20739969	0.28226277	450	0.00222222
0.24311878	0.20590404	0.27505923	450	0.00222222
0.24931577	0.21860869	0.28063542	365.638026	0.00222222

0.24258086	0.20652268	0.26962264	450	0.00222222
0.24226753	0.20147836	0.26959582	450	0.00222222
0.24263547	0.20747891	0.27330293	454.29613	0.00222222
0.24334902	0.21033372	0.27861623	450	0.00222222
0.2487789	0.21518459	0.27980319	450	0.00222222
0.24509271	0.20736718	0.27183617	615.728588	0.00222222
0.24455904	0.21345933	0.27705734	424.335178	0.00222222
0.2430986	0.20539066	0.27935257	450	0.00222222
0.24107514	0.20761553	0.27305391	378.05083	0.00222222
0.24568262	0.20997654	0.27966767	903.4177	0.00222222
0.24121289	0.20412935	0.27122392	450	0.00222222
0.24845993	0.21639025	0.27916275	450	0.00222222
0.24552537	0.21747869	0.2782564	450	0.00222222
0.24682842	0.20850298	0.27530165	450	0.00222222
0.2425258	0.20629968	0.27717401	450	0.00222222
0.17896747	0.14310906	0.22362875	450	0.00222222
0.16987282	0.12405465	0.21540141	450	0.00222222
0.16338584	0.11840403	0.20760607	339.471642	0.00222222
0.16887574	0.12491754	0.21183246	450	0.00222222
0.17077092	0.12319282	0.21398345	450	0.00222222
0.17111341	0.12593066	0.21541865	330.934397	0.00222222
0.16274358	0.11342167	0.20522628	450	0.00222222
0.17888138	0.13696201	0.22172866	450	0.00222222
0.17514442	0.137377	0.21686613	450	0.00222222
0.18251714	0.1452998	0.22742955	450	0.00222222
0.19126747	0.14613928	0.22888024	450	0.00222222
0.18854953	0.14692537	0.22809564	450	0.00222222
0.17131632	0.1290277	0.21557458	450	0.00222222
0.17130226	0.12109614	0.21511064	450	0.00222222
0.17229521	0.12859628	0.21781938	450	0.00222222
0.17875109	0.14228278	0.21855213	450	0.00222222
0.18450788	0.14574478	0.22082973	532.291902	0.00222222
0.17102962	0.12477006	0.20919469	450	0.00222222
0.17877911	0.13910464	0.21819599	514.386736	0.00222222
0.1843877	0.14345676	0.22705332	393.761644	0.00222222
0.18848622	0.14294569	0.22794655	450	0.00222222
0.17450451	0.12534301	0.2145678	450	0.00222222
0.17899088	0.12875481	0.21811363	450	0.00222222
0.17582148	0.138327	0.22306104	450	0.00222222
0.16459751	0.11866601	0.20567224	450	0.00222222
0.18782286	0.15420132	0.22129737	450	0.00222222
0.18144248	0.12939232	0.22379344	450	0.00222222
0.17917909	0.13519752	0.22088311	708.185853	0.00222222

0.17768416	0.13244042	0.2187173	520.984243	0.00222222
0.18023425	0.13238584	0.21683197	450	0.00222222
0.18209142	0.13532584	0.21459989	450	0.00222222
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0.18491813	0.14022723	0.21720967	450	0.00222222
0.17659277	0.12862625	0.21785308	450	0.00222222
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0.18568736	0.14878618	0.22894428	450	0.00222222
0.16320462	0.11888892	0.20563193	450	0.00222222
0.18742119	0.14764886	0.22807206	450	0.00222222
0.18637508	0.14518919	0.22405072	450	0.00222222
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0.1854693	0.14396341	0.23085884	450	0.00222222
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0.1758069	0.1356784	0.21853629	450	0.00222222
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0.19054663	0.1458669	0.23010533	450	0.00222222
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0.17628282	0.13474814	0.21618242	450	0.00222222
0.19571723	0.16224089	0.22893807	450	0.00222222
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0.17495637	0.13318982	0.20964409	450	0.00222222
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0.17690864	0.1287494	0.21567158	450	0.00222222
0.1669144	0.1260426	0.21130719	450	0.00222222
0.18104994	0.1356483	0.22217589	450	0.00222222
0.17927993	0.13981921	0.22481623	450	0.00222222
0.16768941	0.12475837	0.21088706	450	0.00222222
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0.17427982	0.1272467	0.21614711	450	0.00222222
0.16487861	0.12136148	0.21308491	450	0.00222222
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0.18563372	0.14822859	0.2229379	450	0.00222222
0.17977337	0.13028652	0.21803114	450	0.00222222
0.1763694	0.1271648	0.21970488	450	0.00222222
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0.17937742	0.13368576	0.21716054	450	0.00222222
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0.18305958	0.14605375	0.22263096	450	0.00222222
0.17182858	0.13089313	0.21327304	450	0.00222222

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0.15876916	0.11497889	0.2089984	450	0.00222222
0.16876739	0.12638543	0.21153296	380.399348	0.00222222
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0.16546547	0.12369212	0.21127499	450	0.00222222
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0.18171627	0.14013013	0.21737297	370.367241	0.00222222
0.18084886	0.1378536	0.21942176	390.822062	0.00222222
0.1871935	0.14970655	0.22466489	450	0.00222222
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0.17010131	0.13090919	0.21088769	450	0.00222222
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0.17035613	0.12729356	0.22011992	450	0.00222222
0.18367062	0.14462726	0.22109613	450	0.00222222
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0.17058573	0.12345166	0.21621955	450	0.00222222
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0.19195239	0.15221825	0.23847413	450	0.00222222
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0.19844754	0.15496306	0.23387931	450	0.00222222
0.18847421	0.14547275	0.2277446	450	0.00222222
0.19652749	0.15518121	0.23318976	450	0.00222222
0.19206364	0.15248424	0.23553191	450	0.00222222
0.19986211	0.15615557	0.23455476	450	0.00222222
0.2017547	0.16348	0.24619568	450	0.00222222
0.19789855	0.1578446	0.23640209	450	0.00222222
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0.19864889	0.1601476	0.23614121	450	0.00222222
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0.19902792	0.16057153	0.24438803	450	0.00222222
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0.19970511	0.15811821	0.23913843	450	0.00222222
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0.19992626	0.16134913	0.24232758	450	0.00222222
0.19731524	0.16189006	0.24105058	450	0.00222222
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0.198696	0.15632165	0.23419001	450	0.00222222
0.19088634	0.14548463	0.2287073	450	0.00222222
0.19762854	0.15502717	0.2334772	450	0.00222222
0.19308932	0.15311217	0.23335854	450	0.00222222
0.19493805	0.14800724	0.22930686	450	0.00222222
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0.19586934	0.15819506	0.23204352	450	0.00222222
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0.19677175	0.1597514	0.24143375	450	0.00222222
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0.19683607	0.1569439	0.23246107	450	0.00222222
0.19247965	0.15248126	0.23408429	359.253732	0.00222222
0.19696084	0.15406522	0.2390347	450	0.00222222
0.19716462	0.15327745	0.23344211	450	0.00222222
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0.20170601	0.15652856	0.23639326	450	0.00222222
0.19532224	0.15372165	0.23909895	450	0.00222222
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0.19682179	0.1592914	0.23594904	353.036272	0.00222222
0.19774076	0.1580104	0.23690327	381.46308	0.00222222
0.18732553	0.14389888	0.23078075	450	0.00222222
0.19632493	0.1543767	0.23703527	450	0.00222222
0.20080848	0.16071406	0.24027418	450	0.00222222
0.19601254	0.16155516	0.23460197	450	0.00222222
0.19370403	0.15095044	0.23289402	450	0.00222222
0.19726726	0.15843612	0.23922794	639.172463	0.00222222
0.20161277	0.16086885	0.23853367	450	0.00222222
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0.19361791	0.15736232	0.23277304	450	0.00222222
0.19721367	0.1549155	0.23453894	450	0.00222222
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0.19307769	0.14687492	0.23246319	450	0.00222222
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0.20363248	0.1598751	0.23493945	450	0.00222222
0.19721226	0.15990531	0.23438477	450	0.00222222
0.19751532	0.15580544	0.2354423	450	0.00222222
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0.1889956	0.14993825	0.22783127	450	0.00222222
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0.19873829	0.15938596	0.23602726	450	0.00222222
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0.20737651	0.1693443	0.24319742	450	0.00222222
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0.37014687	0.26713697	0.46306071	544.172702	0.00222222
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0.40007624	0.31649925	0.45758929	251.024114	0.00222222
0.41305109	0.31543577	0.48991409	420.754768	0.00222222
0.40215719	0.3155257	0.47397132	347.129472	0.00222222
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0.39901471	0.30855588	0.46928729	450	0.00222222
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0.40195015	0.30587763	0.49868282	450	0.00222222
0.39945679	0.31277975	0.47166491	450	0.00222222
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0.38019703	0.27975048	0.46660151	450	0.00222222
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0.40977892	0.31014505	0.49831449	450	0.00222222
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0.39661232	0.27911609	0.49762458	368.509736	0.00222222
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0.44488104	0.33429077	0.54695317	450	0.00222222
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0.41706314	0.33897058	0.49528016	373.453128	0.00222222
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0.4126188	0.31560808	0.51093174	450	0.00222222
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0.42654758	0.3178737	0.50553616	450	0.00222222
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0.42556762	0.33934772	0.49205132	383.055705	0.00222222
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0.38364167	0.27655073	0.46643129	450	0.00222222
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0.2999219	0.24199217	0.35630867	450	0.00222222
0.32941153	0.28106923	0.37564808	392.990668	0.00222222
0.32926241	0.27541194	0.38191761	356.957833	0.00222222
0.30299253	0.244702	0.35604344	450	0.00222222
0.32471845	0.2759528	0.37217231	347.069156	0.00222222
0.30489407	0.24642955	0.35181258	450	0.00222222
0.33678732	0.28428235	0.3864434	450	0.00222222
0.32167824	0.26619641	0.3676003	224.001012	0.00222222
0.31601191	0.26618982	0.36193311	450	0.00222222
0.33800659	0.29005495	0.37727333	450	0.00222222

0.36211011	0.30885252	0.39771576	450	0.00222222
0.31511746	0.26524831	0.36886106	450	0.00222222
0.29256186	0.23501941	0.34418228	450	0.00222222
0.31127645	0.25392665	0.36448139	450	0.00222222
0.33481792	0.28450015	0.38037831	268.53614	0.00222222
0.31574315	0.24886731	0.36717283	450	0.00222222
0.33111462	0.28002368	0.37927025	389.379292	0.00222222
0.31695062	0.26266084	0.36581174	450	0.00222222
0.30089379	0.24957774	0.35652954	450	0.00222222
0.30079838	0.24954274	0.34927481	310.110566	0.00222222
0.3284	0.27452376	0.37655474	450	0.00222222
0.31786547	0.26220668	0.3719528	450	0.00222222
0.33779503	0.28382767	0.38186888	450	0.00222222
0.30375394	0.24933204	0.3543031	450	0.00222222
0.34031966	0.2885406	0.37661897	376.305877	0.00222222
0.32451697	0.27765391	0.37474444	450	0.00222222
0.32174182	0.26697867	0.37647975	450	0.00222222
0.2957371	0.22510737	0.35040937	334.394796	0.00222222
0.35574494	0.30837333	0.39279745	471.268693	0.00222222
0.3068477	0.24400567	0.35789909	373.055892	0.00222222
0.33099737	0.27499966	0.36905372	450	0.00222222
0.31263243	0.2531121	0.3580813	487.115264	0.00222222
0.31476361	0.26703736	0.36250973	450	0.00222222
0.31380816	0.24942649	0.36533459	545.254876	0.00222222
0.29090902	0.23361193	0.3457243	580.502531	0.00222222
0.34473765	0.29394059	0.3921195	286.454695	0.00222222
0.3389009	0.2930939	0.38378119	450	0.00222222
0.31512636	0.26041894	0.36452483	450	0.00222222
0.29787806	0.24586144	0.35011725	450	0.00222222
0.33323145	0.2818959	0.38519882	450	0.00222222
0.32548388	0.27541554	0.36703606	327.486163	0.00222222
0.3177598	0.2677091	0.36229212	398.220688	0.00222222
0.29637893	0.24177003	0.35184252	450	0.00222222
0.33063196	0.27713679	0.37923052	450	0.00222222
0.31905867	0.27088294	0.35714554	450	0.00222222
0.31005202	0.25009833	0.35493467	450	0.00222222
0.31626382	0.25989608	0.37215213	450	0.00222222
0.34655522	0.28366754	0.38750087	1030.22648	0.00222222
0.34806747	0.298357	0.38877653	450	0.00222222
0.3335823	0.28644186	0.37495751	573.411679	0.00222222
0.30317601	0.2412408	0.35032001	450	0.00222222
0.33732652	0.29178967	0.38152193	450	0.00222222
0.33955135	0.28154383	0.38183424	450	0.00222222

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0.31698218	0.26305193	0.3610847	450	0.00222222
0.31500919	0.26461233	0.36618869	391.602038	0.00222222
0.30501037	0.25138607	0.35331698	450	0.00222222
0.33654245	0.28766827	0.38544519	450	0.00222222
0.32592348	0.2719971	0.37758966	450	0.00222222
0.35022841	0.29969786	0.39674776	301.33896	0.00222222
0.33301179	0.28281437	0.37540583	450	0.00222222
0.30938453	0.25967052	0.36543881	891.34447	0.00222222
0.33651611	0.27873097	0.3798977	382.228653	0.00222222
0.35743733	0.30454926	0.40148751	450	0.00222222
0.30375324	0.24662533	0.35411399	378.569597	0.00222222
0.30463608	0.25310451	0.36600481	210.08415	0.00222222
0.306086	0.25350121	0.35353503	348.803314	0.00222222
0.33636631	0.28351856	0.38798954	450	0.00222222
0.31342653	0.2519372	0.36073338	450	0.00222222
0.29890742	0.24401223	0.35558814	450	0.00222222
0.34190439	0.29286305	0.39494239	488.826246	0.00222222
0.301168	0.24300129	0.34619938	450	0.00222222
0.33121286	0.27160921	0.37453663	450	0.00222222
0.33733355	0.28274785	0.38043613	513.829473	0.00222222
0.29354542	0.22684738	0.35101475	450	0.00222222
0.30141035	0.23885081	0.3518692	450	0.00222222
0.33551764	0.29021751	0.38053642	464.928421	0.00222222
0.32247567	0.26895506	0.37417177	450	0.00222222
0.30622558	0.24618684	0.356477	450	0.00222222
0.30899684	0.25585696	0.35310407	450	0.00222222
0.24728603	0.18117552	0.30445302	450	0.00222222
0.27926383	0.22693647	0.33555031	427.876575	0.00222222
0.22743814	0.16917346	0.29442638	474.896196	0.00222222
0.26021086	0.2014086	0.3081614	450	0.00222222
0.27792884	0.21677006	0.33646156	450	0.00222222
0.25972618	0.19701598	0.32191481	392.477977	0.00222222
0.27512153	0.21981584	0.32781319	432.193412	0.00222222
0.24838465	0.18323934	0.30998097	450	0.00222222
0.27107724	0.20889172	0.31955473	450	0.00222222
0.2242487	0.16333246	0.28385644	381.085025	0.00222222
0.2483405	0.18773943	0.29945021	450	0.00222222
0.26704702	0.19530129	0.31711948	450	0.00222222
0.25685696	0.19454101	0.31953212	555.150544	0.00222222
0.2409556	0.1793966	0.30046289	450	0.00222222
0.26788269	0.2079067	0.33138915	450	0.00222222

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0.27194725	0.21199081	0.33603071	450	0.00222222
0.25453963	0.19689934	0.31882473	450	0.00222222
0.25929245	0.20433517	0.32394135	540.325853	0.00222222
0.25822444	0.19747118	0.31307052	526.757037	0.00222222
0.26502444	0.19895681	0.31580378	450	0.00222222
0.25891925	0.19205417	0.31231135	450	0.00222222
0.26396104	0.21050857	0.32160654	450	0.00222222
0.27234298	0.21209881	0.32494596	450	0.00222222
0.24172672	0.17429499	0.30130316	450	0.00222222
0.24981434	0.19965369	0.30883691	438.450214	0.00222222
0.23073994	0.16036357	0.29075304	384.060626	0.00222222
0.26878201	0.20415254	0.32709806	450	0.00222222
0.26515766	0.19589396	0.31848033	450	0.00222222
0.25962676	0.19654756	0.32138611	263.111912	0.00222222
0.27479506	0.21431288	0.33376107	450	0.00222222
0.24057218	0.19107575	0.29800692	525.077124	0.00222222
0.26287705	0.200226	0.32266753	450	0.00222222
0.25632891	0.19914313	0.31923402	440.734293	0.00222222
0.25938235	0.20317092	0.31872821	450	0.00222222
0.25338848	0.1839121	0.308017	450	0.00222222
0.25383578	0.19100263	0.30644706	450	0.00222222
0.24200059	0.18292931	0.30128882	557.369387	0.00222222
0.26194814	0.19935305	0.31962813	450	0.00222222
0.26710422	0.20949145	0.32606319	450	0.00222222
0.24427288	0.18722726	0.31243648	353.570002	0.00222222
0.24487083	0.17914585	0.30160599	450	0.00222222
0.25908011	0.20178688	0.31971469	517.388087	0.00222222
0.24032558	0.18008945	0.30778073	450	0.00222222
0.25957116	0.19722621	0.32161473	450	0.00222222
0.26392447	0.20848382	0.31353241	450	0.00222222
0.2492524	0.18089709	0.30225623	553.767721	0.00222222
0.2532653	0.19166443	0.30888238	450	0.00222222
0.26162183	0.20011234	0.32221112	450	0.00222222
0.25478546	0.19417982	0.31358973	450	0.00222222
0.25624552	0.19903388	0.32962926	450	0.00222222
0.2664341	0.19940692	0.31692314	350.458702	0.00222222
0.26580962	0.20812336	0.32464375	450	0.00222222
0.25261482	0.19396999	0.31661099	440.931608	0.00222222
0.25025934	0.1899789	0.30963958	450	0.00222222
0.25572332	0.19391106	0.31675399	450	0.00222222
0.25917352	0.2026727	0.33127731	513.587227	0.00222222
0.24199771	0.18015412	0.3085595	450	0.00222222

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0.24600489	0.18405474	0.30716389		450	0.00222222
0.2561161	0.19900471	0.31199617	338.326153		0.00222222
0.24321773	0.18080074	0.29829991		450	0.00222222
0.26700275	0.21431742	0.32568825		450	0.00222222
0.23562549	0.18092404	0.2880114		450	0.00222222
0.26620786	0.19842043	0.31641581		450	0.00222222
0.25709699	0.20303673	0.31485619		450	0.00222222
0.25722887	0.20110839	0.31816685		450	0.00222222
0.25761474	0.19764199	0.32330097		450	0.00222222
0.25844309	0.20557281	0.3281521	338.962517		0.00222222
0.26800398	0.21119877	0.33020294		450	0.00222222
0.25073831	0.1941227	0.31184623		450	0.00222222
0.27394422	0.22410385	0.33296644		450	0.00222222
0.24730686	0.18350704	0.30425127	358.938863		0.00222222
0.24727023	0.18617327	0.3062374		450	0.00222222
0.26186999	0.19594533	0.32125353		450	0.00222222
0.26455262	0.20460329	0.33075667		450	0.00222222
0.26511302	0.20953169	0.32019735		450	0.00222222
0.25209135	0.18887186	0.30694557	604.369912		0.00222222
0.25340076	0.18564514	0.31106712		450	0.00222222
0.26835986	0.20778125	0.32580769		450	0.00222222
0.25928393	0.20098161	0.30722529		450	0.00222222
0.24702873	0.17835786	0.30475954	521.311981		0.00222222
0.24935452	0.17652574	0.30543031		450	0.00222222
0.25507763	0.20074599	0.31771034		450	0.00222222
0.2633242	0.20468059	0.32584542		450	0.00222222
0.25261827	0.19110395	0.30769057	357.793298		0.00222222
0.24918777	0.18214639	0.30670914		450	0.00222222
0.24979423	0.19671535	0.30696489		450	0.00222222
0.24911754	0.18430203	0.31197463	342.846039		0.00222222
0.23898048	0.16832955	0.28927768		450	0.00222222
0.24490039	0.18712631	0.30455977		450	0.00222222
0.26828848	0.20767758	0.32155052		450	0.00222222
0.24525087	0.19125814	0.29854372		450	0.00222222
0.23213641	0.17273719	0.2906147	572.9204		0.00222222
0.27160859	0.21558911	0.33583004		450	0.00222222
0.24936713	0.19235185	0.29942703	439.04528		0.00222222
0.23967196	0.18076313	0.30649146		450	0.00222222
0.24722655	0.18243182	0.30755335		450	0.00222222
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0.44584437	0.35533483	0.5253691	450	0.00222222
0.43285631	0.29601451	0.52708688	450	0.00222222
0.39254585	0.27914076	0.47616892	450	0.00222222
0.38800071	0.29144803	0.47460526	450	0.00222222
0.39721667	0.27781138	0.4896571	450	0.00222222
0.40367271	0.28205654	0.51012669	450	0.00222222
0.39219717	0.25628839	0.47983798	450	0.00222222
0.38848275	0.26389479	0.50172809	514.987681	0.00222222
0.4043058	0.27319404	0.50905219	450	0.00222222
0.3831633	0.27749787	0.48393996	450	0.00222222
0.3924741	0.28997593	0.49176666	383.870074	0.00222222
0.40882458	0.29027735	0.50951819	450	0.00222222
0.39025933	0.27988457	0.47746699	523.782723	0.00222222
0.41453077	0.30670388	0.49878454	450	0.00222222
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0.38868018	0.28309006	0.48221885	388.616799	0.00222222
0.39495587	0.27184739	0.48683359	370.861295	0.00222222
0.39500331	0.29787089	0.4936743	469.619839	0.00222222
0.39216635	0.27229604	0.48679115	450	0.00222222
0.38329413	0.2932301	0.47921357	514.717003	0.00222222
0.40028716	0.29991402	0.49971468	450	0.00222222
0.39484863	0.277517	0.48835586	450	0.00222222
0.39922116	0.28440874	0.49107965	544.892437	0.00222222
0.38531822	0.2648088	0.49965691	585.05319	0.00222222
0.42629155	0.31311391	0.5079476	520.704845	0.00222222
0.4039399	0.29998578	0.49527803	450	0.00222222
0.37575556	0.26023011	0.4949717	711.811262	0.00222222
0.44203184	0.35576517	0.52793662	450	0.00222222
0.42496295	0.32072347	0.50443397	450	0.00222222
0.42680279	0.28505965	0.52281151	450	0.00222222
0.39026413	0.26045735	0.47738527	472.301557	0.00222222
0.40910758	0.31158486	0.51021328	450	0.00222222
0.41031867	0.29046884	0.51642427	450	0.00222222
0.40609999	0.3007457	0.49883568	450	0.00222222
0.42205675	0.31709813	0.50236787	535.141991	0.00222222
0.42371627	0.32800352	0.50494213	450	0.00222222
0.38390606	0.27633233	0.46878496	450	0.00222222
0.42029378	0.31376248	0.52270454	450	0.00222222
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0.38475407	0.27213316	0.48415387	450	0.00222222
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0.3882281	0.28112085	0.48538189	450	0.00222222
0.397318	0.26888573	0.49576099	450	0.00222222
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0.42060635	0.30200777	0.51447154	609.114861	0.00222222
0.40909582	0.31849618	0.49658695	450	0.00222222
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0.41410224	0.28966127	0.51327132	450	0.00222222
0.42398821	0.31001051	0.5290269	450	0.00222222
0.42940702	0.30049461	0.52835694	450	0.00222222
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0.38115317	0.24875144	0.48134273	450	0.00222222
0.39409011	0.28632728	0.49543309	450	0.00222222
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0.37418665	0.26358268	0.4792172	392.794566	0.00222222
0.41382089	0.29465963	0.51881955	450	0.00222222
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0.39048259	0.27305232	0.482581	450	0.00222222
0.39024741	0.2806242	0.48094234	450	0.00222222
0.39359045	0.28289342	0.49480548	450	0.00222222
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0.3936116	0.28422758	0.50522267	450	0.00222222
0.42023548	0.32731684	0.49639234	513.016643	0.00222222
0.40420734	0.28668705	0.47963025	450	0.00222222
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0.39377269	0.27444132	0.52174125	450	0.00222222
0.39752492	0.27824647	0.48940805	450	0.00222222
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0.40496774	0.2975689	0.49063875	509.759365	0.00222222
0.3770141	0.24092849	0.46523559	450	0.00222222
0.41345373	0.29829972	0.502717	450	0.00222222
0.37689097	0.25832632	0.4772161	450	0.00222222
0.39266229	0.27687656	0.49115136	450	0.00222222
0.38415594	0.26149906	0.48835135	450	0.00222222
0.39041422	0.28194789	0.48255263	450	0.00222222
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0.38412288	0.2755532	0.48178869	450	0.00222222
0.42247194	0.32722617	0.482518	450	0.00222222
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0.41509053	0.30291479	0.50082974	450	0.00222222
0.39328674	0.27479363	0.49146129	450	0.00222222
0.38235526	0.25805016	0.46064476	450	0.00222222
0.39354285	0.27025482	0.47954477	450	0.00222222
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0.42434371	0.32149072	0.55634334	522.628337	0.00222222
0.40010939	0.27401369	0.50140345	450	0.00222222
0.39361532	0.28261503	0.50663557	450	0.00222222
0.39686196	0.27225072	0.5061976	450	0.00222222
0.38899177	0.25620123	0.47579387	330.269477	0.00222222
0.37224102	0.23153998	0.46584531	450	0.00222222
0.22251197	0.13142074	0.31337524	450	0.00222222
0.22076931	0.13381657	0.2934016	450	0.00222222
0.22495601	0.11985314	0.31172488	354.050006	0.00222222
0.22330559	0.12631983	0.32707718	450	0.00444444
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0.21764789	0.11496059	0.30762679	450	0.00222222
0.23624852	0.14095342	0.32175745	387.68554	0.00222222
0.22526916	0.12801591	0.3150862	450	0.00444444
0.23174617	0.12139551	0.31549291	450	0.00222222
0.22116746	0.1255142	0.30690298	450	0.00222222
0.22074846	0.12393334	0.32793333	450	0.00222222
0.22522617	0.11959245	0.30662655	413.294301	0.00222222
0.21769516	0.11767356	0.29626273	480.084076	0.00444444
0.22343723	0.12533127	0.30876951	386.324999	0.00222222
0.22687607	0.13758296	0.31187299	450	0.00222222
0.2221184	0.12569342	0.31585231	322.063407	0.00222222
0.22451229	0.12206756	0.31353719	450	0.00222222
0.21978742	0.13680669	0.30942823	362.164964	0.00222222
0.2196546	0.12227001	0.31642138	519.424547	0.00222222
0.22604307	0.12219265	0.3269692	1381.93119	0.00444444
0.21792435	0.11066633	0.31556012	450	0.00222222
0.21723961	0.13222368	0.31420175	450	0.00222222
0.21838515	0.11561414	0.30003886	450	0.00222222
0.23165844	0.12735581	0.3151219	450	0.00222222
0.22781116	0.11758874	0.31827474	450	0.00222222
0.22522688	0.13820968	0.30788374	460.380659	0.00222222
0.22544593	0.12625142	0.30960817	450	0.00222222
0.22136909	0.11470392	0.29965775	450	0.00222222
0.22112149	0.12814833	0.29911073	450	0.00222222

0.21988197	0.11989589	0.31664342	450	0.00444444
0.21906955	0.12131157	0.30291052	333.895419	0.00222222
0.23158367	0.14030036	0.3434286	361.198721	0.00222222
0.20948847	0.11010226	0.29209519	304.848344	0.00222222
0.22008622	0.11702349	0.29880425	450	0.00222222
0.22067447	0.09141806	0.29275678	450	0.00444444
0.22149602	0.11920659	0.33032288	450	0.00222222
0.22192727	0.11695115	0.31289179	450	0.00222222
0.22511656	0.12401871	0.30321777	450	0.00222222
0.21241067	0.1068774	0.30092225	579.382045	0.00222222
0.22881115	0.13172549	0.30082018	450	0.00222222
0.22491765	0.12037177	0.3133544	450	0.00222222
0.21693988	0.11248327	0.2988326	450	0.00222222
0.22022354	0.12943612	0.30222496	279.485985	0.00222222
0.21720763	0.11347941	0.29976327	450	0.00222222
0.22331423	0.13773402	0.31987994	450	0.00222222
0.22530178	0.12561011	0.31761955	346.274303	0.00222222
0.21637475	0.11434734	0.29070684	450	0.00222222
0.22267334	0.11178901	0.31796776	450	0.00222222
0.22536376	0.12804453	0.29673215	519.235049	0.00444444
0.22587891	0.12150579	0.30187546	387.548098	0.00222222
0.21824199	0.12187033	0.29316066	450	0.00222222
0.22652713	0.11759001	0.30879457	450	0.00444444
0.21818501	0.10681933	0.30846341	450	0.00222222
0.2200694	0.12008287	0.30838849	450	0.00222222
0.22395618	0.11770204	0.31737653	450	0.00888889
0.22587362	0.12534633	0.30973193	245.964106	0.00222222
0.22540449	0.12900282	0.3269133	450	0.00444444
0.22785181	0.13081776	0.31945466	450	0.00222222
0.22068273	0.11260828	0.29875186	450	0.00222222
0.22581528	0.12301472	0.31609923	450	0.00222222
0.22648082	0.11084802	0.30555457	450	0.00222222
0.21867921	0.12650923	0.30028528	520.599807	0.00444444
0.2234824	0.12498645	0.32561538	450	0.00222222
0.22885386	0.13093587	0.3168116	480.19835	0.00222222
0.22384999	0.12827666	0.31662215	450	0.00444444
0.22304385	0.13259161	0.30693134	450	0.00222222
0.22041647	0.12676012	0.31225634	450	0.00222222
0.22434414	0.1362063	0.3252007	450	0.00888889
0.21358599	0.11312055	0.30080483	450	0.00444444
0.23127354	0.14627901	0.33955435	213.630295	0.00222222
0.2233279	0.12113528	0.31891695	450	0.00222222
0.22177372	0.12509923	0.32111162	546.162375	0.00222222

0.21722558	0.10245688	0.29660799	387.160817	0.00222222
0.21698714	0.12558605	0.30254986	434.805518	0.00222222
0.22363599	0.11908259	0.30736416	450	0.00222222
0.22540009	0.13196341	0.3167583	450	0.00222222
0.21595483	0.12637669	0.30736249	381.047497	0.00444444
0.20955366	0.10169443	0.30352369	450	0.00222222
0.22351584	0.10176579	0.31461223	450	0.00222222
0.22146069	0.1214953	0.31685826	450	0.00222222
0.22065887	0.12559946	0.32934353	450	0.00222222
0.21867467	0.12784987	0.31394012	450	0.00222222
0.21513104	0.12842112	0.30859826	676.249711	0.00222222
0.21785265	0.12803328	0.30881778	450	0.00222222
0.21739313	0.11253094	0.29282467	450	0.00222222
0.22646127	0.11165892	0.31648077	379.126642	0.00222222
0.22393019	0.1396855	0.31368693	558.392424	0.00222222
0.22991289	0.1288407	0.33354372	433.274087	0.00222222
0.2212399	0.12618115	0.30751554	450	0.00222222
0.22578711	0.13967761	0.31840341	450	0.00222222
0.21932288	0.1320545	0.30030009	450	0.00222222
0.21751878	0.12567231	0.30693176	450	0.00444444
0.21219405	0.09956377	0.30128959	392.927113	0.00222222
0.2159195	0.11677841	0.30021958	450	0.00222222
0.2173945	0.11934656	0.30795269	450	0.00222222
0.21933688	0.14243042	0.31093105	391.044085	0.00222222
0.2201947	0.11210129	0.30660556	450	0.00222222
0.22101225	0.10789147	0.32279968	389.082501	0.00222222
0.22114385	0.12059586	0.31278447	450	0.00222222
0.23746459	0.21099252	0.26599652	450	0.00222222
0.23262593	0.20308222	0.25539955	450	0.00222222
0.23551906	0.21174879	0.25693758	450	0.00222222
0.2361165	0.21408126	0.25528934	450	0.00222222
0.2371483	0.21293692	0.25685195	517.308248	0.00222222
0.23365713	0.20608018	0.25503266	354.576964	0.00222222
0.2409426	0.21881308	0.26492024	450	0.00222222
0.23264928	0.21099683	0.25494022	450	0.00222222
0.23809563	0.20989964	0.25990705	450	0.00222222
0.23976189	0.2133246	0.2573001	450	0.00222222
0.23567229	0.2057406	0.25647305	450	0.00222222
0.23826869	0.21361277	0.25550218	450	0.00222222
0.2419225	0.21190021	0.26144044	450	0.00222222
0.23798092	0.21067829	0.25477942	296.256903	0.00222222
0.23499783	0.19955039	0.25579811	450	0.00222222
0.2397687	0.21266708	0.26115126	495.506398	0.00222222

0.23519056	0.20956295	0.25103479	450	0.00222222
0.23660396	0.20315665	0.25546866	514.659817	0.00222222
0.23924187	0.20842914	0.2581026	379.116658	0.00222222
0.24065833	0.20956515	0.26876068	450	0.00222222
0.23535335	0.19514742	0.25520318	634.053082	0.00222222
0.23473087	0.20353677	0.25392832	450	0.00222222
0.23484445	0.20791075	0.25598105	450	0.00222222
0.237549	0.20426821	0.25945852	450	0.00222222
0.23553988	0.20108635	0.25947964	450	0.00222222
0.23153691	0.19443872	0.25314924	450	0.00222222
0.23683767	0.21266502	0.26203114	450	0.00222222
0.23578421	0.20378746	0.25659506	450	0.00222222
0.23741749	0.21532944	0.26070684	450	0.00222222
0.2354592	0.20772328	0.2580033	450	0.00222222
0.23394386	0.20386387	0.24975464	450	0.00222222
0.23539916	0.21020874	0.25522461	522.563885	0.00222222
0.23511307	0.20402465	0.2531818	334.811877	0.00222222
0.2355963	0.21230048	0.25488283	450	0.00222222
0.23781029	0.21217281	0.25771885	450	0.00222222
0.24034835	0.21453366	0.26525805	450	0.00222222
0.23633875	0.20947123	0.25430708	450	0.00222222
0.23708358	0.20924605	0.25417402	450	0.00222222
0.23721123	0.20956839	0.26365244	450	0.00222222
0.23519668	0.20611213	0.25655348	450	0.00222222
0.23858375	0.21519104	0.2617271	450	0.00222222
0.23456811	0.2109316	0.25757749	450	0.00222222
0.23707697	0.20622493	0.26002022	450	0.00222222
0.23668227	0.20638042	0.25643439	450	0.00222222
0.23388657	0.20341362	0.25672895	468.970109	0.00222222
0.23580285	0.21086798	0.26159452	450	0.00222222
0.2356408	0.21196498	0.25658542	450	0.00222222
0.2340397	0.20597794	0.25581058	450	0.00222222
0.23702598	0.21372348	0.25755583	450	0.00222222
0.23684722	0.21064401	0.25425816	450	0.00222222
0.23380936	0.20885722	0.25377896	450	0.00222222
0.2372809	0.20697886	0.25616026	450	0.00222222
0.23250697	0.2077303	0.2563523	450	0.00222222
0.23523995	0.21128395	0.25811771	515.625052	0.00222222
0.23335298	0.20001251	0.25415973	450	0.00222222
0.23588138	0.21055825	0.25638078	450	0.00222222
0.23934458	0.20249812	0.25615678	450	0.00222222
0.23524865	0.212431	0.25562284	450	0.00222222
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0.23486803	0.21325557	0.25834096	568.839879	0.00222222
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0.23598578	0.21484159	0.25384076	450	0.00222222
0.23769592	0.21248645	0.25826563	364.118742	0.00222222
0.23289134	0.20819049	0.25543773	450	0.00222222
0.23492944	0.20670982	0.25384778	450	0.00222222
0.23560135	0.21099557	0.25439811	450	0.00222222
0.24045273	0.2116198	0.2603195	450	0.00222222
0.23192432	0.2082408	0.25351048	450	0.00222222
0.23110992	0.20459134	0.25579277	450	0.00222222
0.235649	0.20936982	0.25966702	450	0.00222222
0.23561615	0.20779195	0.252312	450	0.00222222
0.24041218	0.20753618	0.26360376	384.094039	0.00222222
0.23697071	0.20830329	0.25878256	450	0.00222222
0.23570523	0.20464494	0.25489114	450	0.00222222
0.23761873	0.21171103	0.25768577	450	0.00222222
0.23838767	0.21237941	0.25687686	277.815095	0.00222222
0.23510023	0.21034332	0.25652461	450	0.00222222
0.23390309	0.20998673	0.25042811	450	0.00222222
0.23665371	0.2101991	0.25349367	450	0.00222222
0.23821224	0.21378379	0.26058502	514.498353	0.00222222
0.2376396	0.20382353	0.25906197	450	0.00222222
0.23632589	0.20715996	0.25637756	450	0.00222222
0.23391862	0.20453716	0.25606853	450	0.00222222
0.2359659	0.21593649	0.25208593	450	0.00222222
0.23600622	0.21188056	0.25598427	450	0.00222222
0.23741502	0.21125157	0.25673613	450	0.00222222
0.23536605	0.205153	0.25555306	450	0.00222222
0.23442936	0.20610656	0.25653501	450	0.00222222
0.24009639	0.21361966	0.25666492	523.017408	0.00222222
0.2348795	0.20787802	0.26024073	450	0.00222222
0.2384669	0.21296545	0.26112214	450	0.00222222
0.23824331	0.20234445	0.26153578	450	0.00222222
0.23404535	0.20537196	0.25324431	450	0.00222222
0.23818691	0.21451024	0.26237064	534.062192	0.00222222
0.23886565	0.20602403	0.25923364	348.870355	0.00222222
0.24095787	0.21098969	0.26080168	450	0.00222222
0.23628794	0.21175939	0.25392838	450	0.00222222
0.23828819	0.20756082	0.25741877	450	0.00222222
0.2409915	0.21735568	0.26505705	251.87192	0.00222222
0.2325187	0.2084321	0.25974955	450	0.00222222
0.1886876	0.16812877	0.20953462	349.56434	0.00222222
0.19533598	0.17580153	0.21106588	450	0.00222222

0.1930876	0.17322996	0.21088963	450	0.00222222
0.19135401	0.17167599	0.20925811	450	0.00222222
0.19533104	0.17704711	0.21422886	371.630447	0.00222222
0.19429041	0.17552857	0.21089984	450	0.00222222
0.19191976	0.16771793	0.2157221	450	0.00222222
0.19737784	0.177447	0.2191514	450	0.00222222
0.19257222	0.16682848	0.21270568	450	0.00222222