

KNN Lab

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You left your job as a tracking unstructured text as you wanting to expand your skills into predictive models. Luckily you landed a job in advertising! Unfortunately have a demanding and totally clueless boss. Clueless meaning that he doesn't understand data science, but he knows he wants it to be used to fix all the company's problems and you are just the data scientist to do it!

Your company, Marketing Enterprises of Halifax or "MEH" is being beat out by the competition and wants a new way to determine the quality of its commercials. Your boss, Mr. Ed Rooney, would like the company's commercials to seem more like actual TV shows. So he wants you to develop a "machine learning thing" using the company's internal data to classify when something is a commercial and when it is not. Mr. Rooney believes the company will be able to make more convincing commercials that hold audiences attention if they are more like tv shows and as a result customers will pay more attention, thus buy more of the terrible products "MEH" is supporting (it's a terrible plan, but you have to make a living).

Given that MEH is producing commercials more or less continuously you know there will be a need to update the model quite frequently, also being a newish data scientist and having a clueless boss you decide to use a accessible approach that you might be able to explain to Mr. Rooney, (given several months of dedicated one on one time), that approach is k-nearest neighbor.

You'll also need to document your work extensively, because Mr. Rooney doesn't know he's clueless so he will ask lots of "insightful" questions and require lots of detail that he won't understand, so you'll need to have an easy to use reference document. Before you get started you hearken back to the excellent education you received at UVA and using this knowledge outline roughly 15 steps that need to be completed to build this algo for MEH and Ed, they are documented below...good luck. As always, the most important part is translating your work to actionable insights, so please make sure to be verbose in the explanation required for step 15. Think about this questions carefully, what are you really delivering to Mr. Rooney?

As with the clustering lab, please be prepared to present a five minute overview of your findings.

Prepare the Data

First, we read in both the clean commercial dataset and the labels for their columns, omitting any NAs. After this we renamed the columns of the clean commercial dataset with the names stored in labels. For some reason "shot_length" was the names of the column in this dataset, so we just decided to hard code the names into the columns.

```
##      shot_length motion_distr_mn motion_distr_var frame_diff_dist_mn
```

## 1	29	3.821209	1.567568	13.547628
## 2	25	3.052969	1.641484	22.334589
## 3	82	1.601274	1.508805	5.860583
## 4	25	4.819368	2.879584	41.382828
## 5	29	2.768753	1.797319	13.338054
## 6	25	3.679925	2.145892	27.195999
## 7	113	2.782705	1.334851	11.439361
## 8	161	1.403820	0.785495	6.740815
## 9	81	0.984162	0.964449	6.858030
## 10	116	1.262012	1.559164	6.325819
## 11	26	3.348305	2.490859	25.950470
## 12	25	2.734797	1.554075	12.322391
## 13	27	3.645489	2.445642	16.643291
## 14	114	1.127116	0.897136	5.002442
## 15	25	4.763610	2.307512	10.141559
## 16	25	2.720120	1.300196	13.984651
## 17	25	7.409271	3.665332	17.620098
## 18	37	1.347078	1.764505	9.313793
## 19	30	3.781361	2.234093	12.463446
## 20	101	1.159078	1.138720	6.009381
## 21	132	5.633781	1.981045	17.559553
## 22	25	5.077452	2.572168	15.846204
## 23	132	1.842484	2.997711	5.447408
## 24	32	0.182447	0.100991	1.332545
## 25	223	2.024591	1.454725	6.592492
## 26	107	0.777125	0.374530	2.828610
## 27	68	0.436291	0.386363	1.764901
## 28	25	0.247458	0.492159	1.214568
## 29	123	0.956489	2.069714	3.901220
## 30	56	2.277475	1.166138	11.849564
## 31	95	3.645478	1.846046	16.473642
## 32	43	3.036397	1.778904	13.690580
## 33	95	3.713778	1.732465	14.056569
## 34	182	4.190456	2.015704	11.355901
## 35	102	4.414653	1.886353	15.110628
## 36	26	2.045548	1.165915	8.461758
## 37	32	1.041122	0.537188	3.876200
## 38	37	2.632437	1.428715	10.605258
## 39	46	1.412158	1.823800	8.050138
## 40	25	0.746167	0.950684	3.949314
## 41	119	4.409392	1.861140	11.432533
## 42	293	4.114717	1.907057	12.224495
## 43	25	3.844788	2.336775	12.486286
## 44	42	2.632351	2.437778	8.168202
## 45	25	1.719644	0.899383	6.821364
## 46	38	2.091193	1.125404	16.891087
## 47	25	1.490042	0.837490	14.603621
## 48	34	0.217640	0.104762	2.408906
## 49	35	4.394691	2.471450	8.588728
## 50	45	0.108652	0.208386	0.796127
## 51	57	0.316301	0.788919	3.420213
## 52	80	2.160349	2.094882	10.712472
## 53	85	1.939553	1.301326	7.133958
## 54	71	0.995518	0.508950	4.005095

## 55	92	6.989427	3.579248	16.865772
## 56	28	2.654109	1.467586	6.136594
## 57	138	1.126316	1.848364	6.059628
## 58	25	3.191096	3.540463	21.317389
## 59	27	1.312216	1.457672	3.949047
## 60	34	0.512587	0.211424	3.235500
## 61	59	1.016226	1.430348	4.893620
## 62	36	3.089443	3.002353	12.209927
## 63	63	0.494794	0.739220	2.787046
## 64	37	1.188733	2.227741	5.432541
## 65	86	4.883111	9.455112	8.470881
## 66	162	3.189157	2.283932	11.395097
## 67	219	2.499510	3.473536	6.831649
## 68	113	0.557064	0.759214	4.497995
## 69	47	3.692851	2.093618	17.902596
## 70	209	1.905325	2.479425	10.570946
## 71	39	3.929934	1.394410	19.300253
## 72	90	2.383847	1.520503	10.839178
## 73	37	0.664460	0.502692	12.377335
## 74	25	3.236772	2.584722	21.092529
## 75	44	2.194710	2.378231	17.219059
## 76	35	1.868760	3.069431	10.396086
## 77	37	1.660820	2.530814	11.307561
## 78	69	0.275082	0.431963	5.871524
## 79	115	0.905806	1.092496	2.469147
## 80	287	1.345566	1.907607	3.607022
## 81	95	0.964608	1.654939	3.255995
## 82	31	1.245982	1.248213	5.190626
## 83	41	3.406691	1.341060	7.544166
## 84	202	1.575549	1.079092	6.637605
## 85	44	1.975373	0.811987	7.179190
## 86	45	0.622324	0.246656	2.465352
## 87	34	7.021512	2.845289	17.975311
## 88	37	1.025816	0.791827	6.153685
## 89	81	2.478580	1.628076	7.255435
## 90	172	3.280598	1.587409	8.478077
## 91	53	0.115781	0.103038	1.104461
## 92	25	0.995367	1.614146	4.365147
## 93	41	3.038485	1.369626	16.615553
## 94	25	2.267182	1.325862	12.047890
## 95	25	1.486626	0.822080	8.726148
## 96	36	4.229145	3.269583	16.502157
## 97	25	2.651557	1.401399	25.539831
## 98	54	3.058389	1.829022	7.971874
## 99	32	2.505750	1.266876	21.312332
## 100	63	2.643841	1.297671	10.586459
## 101	65	2.655579	1.057447	13.471164
## 102	25	2.384799	1.204352	9.370879
## 103	25	0.959711	1.053753	8.535550
## 104	26	3.562155	2.289487	19.862017
## 105	43	2.456146	0.983493	8.322388
## 106	95	1.480581	1.706935	7.674469
## 107	84	0.192858	0.187064	2.094006
## 108	43	3.000998	4.034120	9.238070

## 109	28	1.328655	0.558656	3.578867
## 110	25	1.811744	0.826160	6.800356
## 111	42	1.187084	0.793053	5.817912
## 112	25	1.682555	1.595109	5.977610
## 113	25	2.539315	2.308105	9.604557
## 114	32	2.321576	1.574154	11.431636
## 115	63	2.211563	1.068390	9.762605
## 116	36	1.284793	0.741406	3.099037
## 117	41	1.542739	1.025283	7.986985
## 118	73	3.086278	2.192340	8.164434
## 119	66	0.879604	0.608061	5.028820
## 120	29	0.385421	0.409909	11.056192
## 121	25	6.256197	2.971283	44.873192
## 122	93	1.553244	0.808679	7.171687
## 123	105	0.785653	1.036559	10.241037
## 124	96	1.009882	0.611065	8.616622
## 125	94	0.878181	0.740069	10.068889
## 126	101	1.280113	0.730266	13.925160
## 127	109	0.385269	0.818622	5.550302
## 128	92	0.493677	0.508520	6.411007
## 129	43	0.648054	0.836743	7.827367
## 130	26	0.795294	0.706974	12.598983
## 131	34	0.872790	0.708776	11.857226
## 132	93	0.327481	0.355369	7.130119
## 133	111	0.679964	1.044582	9.375222
## 134	81	0.293821	0.151384	3.219949
## 135	25	4.239152	2.079056	51.592777
## 136	79	1.798918	1.037165	8.073709
## 137	40	3.915890	1.393003	19.272583
## 138	125	2.000370	2.005103	9.642102
## 139	140	1.893177	0.451689	7.696448
## 140	35	4.130778	2.002859	41.631977
## 141	88	5.622033	1.727776	25.660858
## 142	74	8.910205	8.892376	26.645060
## 143	43	6.974986	4.622091	29.752813
## 144	26	9.273296	4.812544	27.487749
## 145	74	5.322100	3.272868	23.188828
## 146	55	7.065067	2.265076	24.071587
## 147	67	5.869692	4.110052	24.395987
## 148	72	3.555722	1.920920	17.197823
## 149	97	6.451034	4.279169	21.257019
## 150	114	4.095703	1.542197	22.632118
## 151	28	3.060971	1.978818	15.375857
## 152	81	5.958904	3.692228	22.888363
## 153	63	6.352304	3.722581	22.328697
## 154	74	7.748049	2.358632	32.201820
## 155	94	5.389517	2.316015	18.711906
## 156	72	5.235648	4.082153	18.283979
## 157	36	9.677457	5.135977	36.354301
## 158	33	7.065261	3.378417	34.135956
## 159	189	5.427332	2.736443	20.188732
## 160	76	5.258709	3.038547	18.050770
## 161	44	13.035763	5.794026	37.141781
## 162	149	6.806587	4.957250	22.442245

## 163	39	7.087873	6.443078	22.219656
## 164	35	10.704125	5.994392	36.118362
## 165	124	2.288779	2.123632	11.600950
## 166	77	0.983049	1.331817	3.609308
## 167	46	0.646977	0.867208	12.075412
## 168	124	1.014292	1.613974	6.092219
## 169	46	1.033999	0.606069	4.550580
## 170	32	2.154026	1.356646	10.605204
## 171	44	0.579792	0.632707	7.816250
## 172	27	3.240597	1.356386	10.369988
## 173	96	1.140935	1.202245	5.738367
## 174	124	0.972728	1.489347	4.906880
## 175	41	0.504283	0.173963	2.531186
## 176	25	2.346447	1.317902	16.941715
## 177	26	0.226943	0.118434	1.771144
## 178	29	0.160890	0.096298	1.407615
## 179	124	0.543416	0.671769	3.448312
## 180	25	2.767775	2.466584	15.716772
## 181	30	1.879733	2.119893	6.660731
## 182	32	0.272467	0.139623	1.931357
## 183	60	0.722539	1.091600	3.350003
## 184	37	1.259863	1.557668	9.208717
## 185	63	0.408721	0.501501	1.759133
## 186	37	1.184659	2.196888	5.463187
## 187	83	5.016379	9.279932	8.731868
## 188	25	6.357494	3.297975	18.079477
## 189	51	1.988371	1.463463	10.063453
## 190	25	8.500237	3.752815	22.459776
## 191	30	3.908241	3.047297	17.504330
## 192	37	6.502907	3.994414	19.631475
## 193	31	4.174925	2.433001	22.097254
## 194	43	1.398871	0.898801	6.073125
## 195	32	4.481725	2.212277	13.826879
## 196	27	4.690991	2.913813	16.085947
## 197	36	1.531174	0.692333	4.941773
## 198	25	1.149311	1.136136	5.060236
## 199	30	0.144858	0.110503	1.156512
## 200	40	0.179547	0.184391	1.332991
## 201	25	0.691030	0.625961	3.374464
## 202	73	1.748678	1.595929	7.859961
## 203	44	2.412738	1.967744	8.522822
## 204	62	0.927113	1.076545	3.249669
## 205	40	2.094729	1.623982	9.823274
## 206	42	0.658268	0.718632	4.174506
## 207	99	9.618789	6.861370	25.850391
## 208	38	4.836555	2.678861	21.706762
## 209	51	2.821402	2.872290	13.290172
## 210	25	3.629586	1.803892	19.723957
## 211	32	4.379323	2.477759	19.324392
## 212	25	1.824106	3.479313	11.710523
## 213	29	0.200593	0.131497	1.576196
## 214	44	1.976426	1.799447	10.733374
## 215	30	0.284068	0.173259	1.447503
## 216	57	3.476732	2.360732	27.974449

## 217	60	3.529264	6.113623	6.366230
## 218	105	0.851021	1.019277	10.840822
## 219	96	1.019503	0.575574	8.820140
## 220	94	0.558184	0.260582	7.711747
## 221	61	1.271846	0.613822	14.144111
## 222	39	1.001158	0.729751	11.768056
## 223	49	0.528982	1.066050	6.884603
## 224	59	0.674293	0.580816	8.109712
## 225	92	0.218325	0.160221	3.452861
## 226	43	1.352423	1.038528	15.125663
## 227	26	0.942853	0.753042	14.069808
## 228	34	0.902123	0.724258	12.372265
## 229	93	0.361603	0.350386	7.593260
## 230	111	0.640333	1.035948	8.502557
## 231	81	0.339859	0.178090	4.300940
## 232	25	5.558463	3.058165	53.467972
## 233	74	1.813466	1.074529	8.193121
## 234	37	3.864670	1.431840	19.504805
## 235	113	2.310105	1.847865	11.013659
## 236	252	3.481225	1.203078	10.954070
## 237	34	2.372221	1.496207	11.155703
## 238	26	6.067515	3.370130	24.577648
## 239	31	7.044282	3.307166	19.784264
## 240	26	1.824158	2.200747	7.839759
## 241	85	2.895470	1.373241	15.026126
## 242	59	6.001848	2.795858	35.417519
## 243	47	4.420603	2.031885	21.989374
## 244	75	3.834509	2.995278	19.553434
## 245	52	5.094903	2.366415	16.460257
## 246	80	1.629658	1.521362	6.445453
## 247	46	0.825971	1.093970	11.767796
## 248	124	0.516338	0.735872	3.755118
## 249	46	0.970527	0.652261	4.035046
## 250	32	2.228916	1.390050	10.417964
## 251	44	0.582539	0.615438	7.549477
## 252	27	3.208202	1.351312	10.174491
## 253	96	1.178517	1.262206	5.578532
## 254	124	0.366009	0.137509	2.303129
## 255	65	2.789530	4.133092	21.960102
## 256	140	1.281044	2.317499	13.390519
## 257	93	2.389719	2.933523	19.537651
## 258	25	6.502960	4.237746	60.810028
## 259	72	0.730425	0.228870	5.183003
## 260	99	1.249314	1.985161	12.947767
## 261	123	0.984790	1.019453	6.326540
## 262	45	5.547432	3.204204	25.651972
## 263	74	5.644115	2.002059	25.969610
## 264	38	5.571626	2.613033	19.276098
## 265	32	3.699138	1.707015	42.922737
## 266	27	4.360076	1.949170	13.687214
## 267	25	4.388143	2.262906	50.393261
## 268	33	4.520278	2.122590	19.595621
## 269	25	4.702028	2.606431	36.196365
## 270	37	4.665609	2.149659	12.835179

## 271	36	4.565800	1.968548	41.969193
## 272	26	4.755078	2.410709	17.010231
## 273	25	3.759888	1.921819	38.174408
## 274	61	2.171193	0.661011	6.677594
## 275	31	2.059640	1.534809	26.179148
## 276	30	7.716242	3.157970	18.678539
## 277	58	7.911112	2.760150	19.979248
## 278	65	5.087772	1.986570	27.478153
## 279	25	4.261480	1.982445	54.580795
## 280	25	3.280967	1.577793	20.970381
## 281	82	7.932025	2.685163	34.099670
## 282	67	7.345005	2.953818	33.003826
## 283	25	5.887741	3.379986	58.518951
## 284	85	3.197760	2.121776	21.483160
## 285	60	1.401207	1.489509	16.991184
## 286	31	2.587842	1.834385	14.512700
## 287	34	0.529937	0.287891	2.471145
## 288	51	1.835562	0.793028	8.011135
## 289	31	0.392817	0.241657	1.931629
## 290	60	1.528851	0.750565	6.608930
## 291	46	0.301963	0.122700	2.591614
## 292	55	2.137123	1.242661	7.020167
## 293	38	0.376873	0.261042	2.861262
## 294	50	2.516708	1.003187	11.944195
## 295	66	2.866576	1.769288	11.073011
## 296	55	1.562172	1.670201	17.895325
## 297	32	2.390998	2.284696	23.814890
## 298	28	1.692833	0.915949	5.098935
## 299	57	1.699746	1.620294	9.383692
## 300	104	3.144551	2.494742	9.710853
## 301	25	6.729470	9.470865	24.780973
## 302	62	1.273543	0.999115	4.445807
## 303	49	1.885181	2.611104	9.399513
## 304	41	1.634712	1.329374	16.212648
## 305	48	0.468004	0.565835	7.414904
## 306	47	2.273441	1.312079	13.063539
## 307	29	0.090756	0.042769	1.503907
## 308	73	0.919901	0.865897	4.956286
## 309	67	0.969405	0.862376	13.405435
## 310	25	2.500152	2.006819	23.722893
## 311	28	1.656887	1.424984	12.854222
## 312	29	2.396491	1.715295	14.801029
## 313	27	0.711984	0.656420	24.209200
## 314	27	1.185065	1.256187	18.829945
## 315	94	0.260642	0.839087	3.715498
## 316	67	3.348976	1.551731	16.895098
## 317	62	4.360674	2.733248	11.740029
## 318	25	2.017822	1.126130	9.771765
## 319	25	4.788042	3.388659	15.134369
## 320	36	5.602787	4.154832	17.871822
## 321	25	4.258030	2.079332	25.798870
## 322	58	3.497129	1.829505	13.106973
## 323	32	3.665177	1.863687	17.983673
## 324	41	4.157315	2.514276	16.049206

## 325	36	1.956473	2.345136	11.529056
## 326	38	7.382888	3.748484	23.291502
## 327	44	4.568295	2.366135	13.922745
## 328	34	4.652851	2.573007	23.217630
## 329	47	4.144107	2.173725	18.296328
## 330	101	7.269444	3.603772	15.781158
## 331	35	3.467583	1.701057	7.511174
## 332	32	2.169525	2.530929	6.526393
## 333	32	2.244757	1.138602	6.445325
## 334	31	5.292947	2.275536	11.418383
## 335	33	1.322839	0.523749	4.410495
## 336	49	4.016780	2.002936	19.161074
## 337	26	3.626389	3.823748	13.876367
## 338	26	1.852093	0.828378	7.594231
## 339	51	3.571515	2.202971	17.845932
## 340	25	6.841848	4.631987	43.834316
## 341	38	7.930157	4.846769	36.766232
## 342	49	1.827263	0.625736	6.975473
## 343	26	3.760345	1.915725	26.447927
## 344	67	3.147858	1.951715	12.963336
## 345	59	5.939126	2.621281	35.345791
## 346	47	4.696710	2.370910	22.203688
## 347	59	11.373030	4.272882	29.963655
## 348	52	1.025837	0.916935	7.783335
## 349	44	2.467740	2.242958	17.633537
## 350	73	4.539232	2.219818	11.584306
## 351	31	2.509719	1.213570	8.780883
## 352	91	3.769770	1.793767	18.281614
## 353	29	1.602691	0.861136	6.344428
## 354	189	2.332685	1.164250	11.614408
## 355	42	1.694221	1.260522	8.405926
## 356	25	1.459701	1.002385	9.339113
## 357	36	5.051049	2.514765	22.315346
## 358	25	2.923160	2.209476	26.669102
## 359	108	1.431750	3.050840	10.285676
## 360	90	8.029251	4.950634	22.341644
## 361	38	5.532988	2.494115	21.879225
## 362	51	2.118586	2.013041	10.510361
## 363	25	3.720715	1.823325	18.842646
## 364	32	4.581799	2.549207	18.796041
## 365	25	1.318020	1.873260	11.370403
## 366	29	0.045377	0.025992	0.800934
## 367	44	1.897494	1.781510	9.817827
## 368	33	0.131747	0.168330	0.879597
## 369	38	7.234177	3.073174	14.615594
## 370	93	4.511932	1.470500	15.781215
## 371	25	5.007016	2.593315	13.448404
## 372	131	1.556122	2.552729	4.548150
## 373	32	0.126746	0.117376	0.947098
## 374	223	1.987445	1.845513	6.203784
## 375	107	0.665263	0.310440	2.463762
## 376	68	1.469261	2.165730	4.371362
## 377	149	0.128538	0.373323	1.286783
## 378	31	5.134372	2.164705	12.704064

## 379	25	1.878171	0.831038	4.316553
## 380	32	2.509692	1.030293	8.028048
## 381	79	2.761277	1.243687	5.065773
## 382	34	3.788847	1.767223	14.047562
## 383	35	2.662233	1.490566	11.448059
## 384	41	1.964201	2.092583	10.238903
## 385	26	3.090528	1.454175	10.322388
## 386	25	4.567097	2.780003	15.080031
## 387	38	2.855449	2.156386	10.624346
## 388	124	1.021636	2.370776	6.011533
## 389	211	2.778424	1.712301	9.425882
## 390	47	1.010263	1.632079	4.951350
## 391	43	1.155510	1.137326	6.773956
## 392	45	0.325278	0.240017	2.579246
## 393	49	1.199745	1.082040	7.387911
## 394	28	2.851471	2.072064	14.060971
## 395	45	1.611076	1.469015	6.499939
## 396	25	1.116639	2.063493	9.288410
## 397	46	0.090414	0.060306	1.677466
## 398	29	0.306656	0.545502	1.673110
## 399	138	0.486914	0.772718	3.976328
## 400	31	0.148124	0.351229	2.334073
## 401	27	2.990748	1.789212	14.397559
## 402	25	6.537388	3.578490	24.532129
## 403	47	2.954893	1.893880	12.848051
## 404	33	0.067599	0.033473	0.798489
## 405	38	2.833153	2.304936	8.986240
## 406	39	2.340638	1.586560	10.238682
## 407	25	1.885213	1.175579	8.055540
## 408	68	2.119607	1.055383	7.523536
## 409	50	4.155369	1.753666	12.979942
## 410	39	2.932438	1.877244	10.236383
## 411	100	3.583349	2.829416	12.722677
## 412	26	2.518257	1.213389	8.687568
## 413	63	1.230579	2.211149	3.677268
## 414	42	0.622116	0.307516	5.975473
## 415	112	0.427200	0.580601	3.851552
## 416	52	0.472435	0.228058	2.659170
## 417	25	3.194237	1.507518	7.889245
## 418	25	1.134871	2.378077	6.789260
## 419	25	5.135723	2.794672	19.663454
## 420	28	6.287269	3.202561	16.798199
## 421	43	2.217906	1.220105	5.887341
## 422	38	2.554663	1.816981	9.205036
## 423	166	1.704202	0.864493	6.067369
## 424	49	2.210672	1.588839	7.549893
## 425	30	0.936450	0.464596	3.419383
## 426	168	2.461080	1.170358	6.866000
## 427	67	4.714830	1.979016	12.952213
## 428	139	1.069151	1.532964	4.945581
## 429	54	1.701821	1.623175	6.560200
## 430	77	0.075335	0.027991	0.832691
## 431	25	3.119962	1.928383	11.049686
## 432	25	5.440403	2.692010	12.400593

## 433	25	1.219341	0.882708	5.289560
## 434	43	2.558491	1.360256	9.868813
## 435	25	2.088171	1.277804	6.810815
## 436	44	1.582178	0.711035	4.642281
## 437	25	1.636965	1.257256	7.542478
## 438	64	1.096165	0.537924	3.543476
## 439	28	1.621059	1.791396	6.467594
## 440	54	1.331621	0.773131	4.378243
## 441	34	2.515630	1.453051	6.807985
## 442	94	0.906477	0.632911	2.953394
## 443	59	0.664435	0.358431	2.704049
## 444	25	2.001088	1.309133	5.742432
## 445	25	0.556974	0.644867	3.104577
## 446	25	1.589806	0.760610	4.061024
## 447	34	2.876116	1.883988	8.195107
## 448	25	2.624326	2.021639	16.790251
## 449	77	0.855038	0.450800	4.021835
## 450	94	0.243799	0.207740	1.236437
## 451	49	0.236810	0.084265	1.469321
## 452	79	0.063145	0.020960	0.847326
## 453	123	0.734667	1.575538	2.491575
## 454	203	2.807980	1.539638	8.131144
## 455	31	1.715803	0.807252	5.203419
## 456	34	0.842033	0.533853	2.656486
## 457	37	2.150262	1.604622	13.184696
## 458	47	1.189837	1.354849	4.466986
## 459	36	1.891332	2.184728	10.767630
## 460	80	2.102002	2.091279	8.764653
## 461	25	0.326754	1.210049	3.456037
## 462	43	1.657187	1.218607	8.276956
## 463	25	1.417774	0.895001	7.007655
## 464	36	4.885931	2.889677	23.147579
## 465	25	2.936665	2.134857	27.164352
## 466	119	1.334332	3.036504	9.486464
## 467	94	7.580803	5.068617	21.286266
## 468	25	2.705583	1.715747	10.384280
## 469	37	2.105901	1.328478	5.901266
## 470	25	2.692309	1.721550	8.237184
## 471	30	1.864774	1.248512	6.468755
## 472	25	3.890825	2.441787	15.632520
## 473	27	1.127572	0.528186	5.501267
## 474	46	5.257557	4.839278	19.455303
## 475	41	5.823124	2.995218	22.468733
## 476	25	12.664769	6.822597	21.866997
## 477	26	1.278875	0.622937	3.663687
## 478	42	3.302731	1.850512	15.559587
## 479	25	5.545556	2.605948	20.230257
## 480	43	1.839849	1.867303	13.122635
## 481	48	0.046619	0.018145	0.965941
## 482	32	7.911578	4.059278	16.980751
## 483	32	0.638720	0.283942	3.624131
## 484	27	1.481425	0.776886	7.713138
## 485	46	3.552123	1.861838	10.649973
## 486	36	0.145238	0.166831	0.946544

## 487	40	0.323744	0.702580	2.417311
## 488	63	1.567258	0.929934	15.417964
## 489	51	4.022978	2.673494	10.655621
## 490	55	4.941919	1.635285	8.347608
## 491	39	2.252105	1.024166	5.777782
## 492	38	2.145578	0.790834	6.146369
## 493	36	2.640964	1.338568	10.703310
## 494	39	3.658829	2.360574	19.659111
## 495	129	0.981877	1.446276	4.790298
## 496	50	2.097271	0.959881	5.330614
## 497	74	2.301298	1.658821	7.677455
## 498	25	2.559653	2.077434	8.096186
## 499	152	1.231639	0.580255	4.185755
## 500	25	3.956239	2.547839	12.324716
## 501	49	3.477067	1.943619	11.470051
## 502	25	4.108419	2.379099	11.891621
## 503	25	4.917176	2.440625	12.214688
## 504	41	1.719587	0.916514	6.056762
## 505	25	2.908762	2.265364	11.920532
## 506	36	2.380285	1.428763	16.626671
## 507	25	1.527199	0.941442	13.425202
## 508	34	0.173618	0.088208	1.894444
## 509	35	4.408277	2.612256	7.982136
## 510	45	0.597696	1.271916	3.301750
## 511	235	3.054869	1.411714	13.814806
## 512	42	1.683737	1.233884	8.521474
## 513	25	1.415065	0.863294	6.744553
## 514	36	4.110980	2.217733	18.808525
## 515	25	3.239407	2.673137	29.422110
## 516	79	2.164252	3.597307	14.104657
## 517	31	2.721226	1.732964	8.716082
## 518	25	3.051094	2.023222	11.312203
## 519	64	1.517067	1.191302	5.918155
## 520	26	1.185679	0.540676	3.211473
## 521	35	2.238358	1.436733	9.819512
## 522	63	2.833773	1.698578	12.016686
## 523	36	1.171229	0.729907	2.664757
## 524	41	1.464812	1.046740	6.245120
## 525	73	2.810236	1.410322	7.468648
## 526	66	1.560569	1.481761	6.188422
## 527	32	0.324350	0.577760	8.527071
## 528	55	1.059400	0.617104	5.589220
## 529	25	2.285118	1.419549	19.741159
## 530	43	3.112136	2.279969	16.417467
## 531	47	0.820353	0.266864	4.611831
## 532	25	2.126733	1.650787	14.563690
## 533	39	1.450477	1.314467	10.757949
## 534	43	3.520006	1.861929	14.741223
## 535	35	2.753516	1.939759	12.910011
## 536	26	2.093150	1.238616	4.941529
## 537	30	0.705653	0.298790	3.432408
## 538	25	3.914211	2.043050	24.658422
## 539	29	3.271779	1.988477	19.323610
## 540	38	0.725487	0.297266	3.515399

## 541	25	2.254616	1.276623	15.382489
## 542	25	5.397837	2.543889	20.411610
## 543	98	0.920141	0.377171	4.247380
## 544	113	0.667736	0.190386	2.477639
## 545	25	2.402463	2.160874	13.353847
## 546	30	2.641207	1.835628	11.521203
## 547	25	2.310300	1.653994	13.680631
## 548	32	2.107758	1.461083	9.541720
## 549	26	2.800279	4.665694	16.274225
## 550	37	2.899955	1.801543	8.992906
## 551	36	3.817205	1.770198	15.961548
## 552	41	7.281091	3.022822	17.464092
## 553	34	0.445236	0.313524	7.021688
## 554	35	1.872331	2.240009	15.571952
## 555	34	1.763910	2.283564	11.042745
## 556	35	1.905089	3.159371	10.386800
## 557	37	1.694903	2.563350	11.439535
## 558	69	0.986153	0.979772	10.247195
## 559	25	0.998704	1.598476	4.109710
## 560	41	2.984245	1.305775	15.913126
## 561	25	2.281287	1.087919	11.693789
## 562	25	1.590448	0.866431	8.483653
## 563	36	4.073405	2.276104	16.694359
## 564	25	3.036211	1.578624	24.831369
## 565	54	2.849369	1.747574	7.337507
## 566	32	2.693383	1.278527	21.704844
## 567	42	0.601210	0.418012	3.138004
## 568	62	3.192832	1.436839	13.262472
## 569	75	3.682456	1.611527	9.119386
## 570	78	4.101218	2.483996	11.698610
## 571	40	0.925094	0.468324	4.520833
## 572	31	0.706518	0.297143	4.471008
## 573	57	2.187628	1.054163	9.273856
## 574	185	2.978176	1.581673	11.054266
## 575	946	0.486932	0.158431	3.418515
## 576	393	0.673872	0.434590	3.279854
## 577	170	0.538756	0.242887	3.057914
## 578	142	0.622159	0.375324	3.957297
## 579	67	0.153614	0.245501	3.126897
## 580	38	1.512353	0.843652	3.207943
## 581	25	1.001188	1.099737	11.959332
## 582	39	7.052688	3.395130	26.476654
## 583	25	1.476583	1.392327	11.764052
## 584	33	1.667618	1.946975	12.049068
## 585	26	2.733284	1.820653	16.834377
## 586	46	1.160539	1.467008	6.753657
## 587	25	4.014016	2.028860	12.273520
## 588	40	2.036577	0.744068	10.155230
## 589	25	3.540738	2.043697	20.796448
## 590	25	2.124494	1.698375	11.392414
## 591	25	4.551780	2.274993	19.460535
## 592	32	2.361387	1.320977	12.039884
## 593	38	5.839392	2.704801	30.428858
## 594	26	7.396738	3.602525	24.422880

## 595	26	6.052974	3.425923	11.466966
## 596	27	2.985332	1.836309	22.316223
## 597	27	2.257334	1.586017	7.855265
## 598	25	7.353375	3.523367	13.839760
## 599	27	3.669655	2.153995	25.348587
## 600	25	4.143279	3.754052	27.942122
## 601	36	1.833107	2.110245	13.520147
## 602	35	3.120666	1.661816	17.422598
## 603	28	0.097438	0.161428	1.462032
## 604	78	1.219561	1.772391	8.483450
## 605	41	10.289176	20.612879	5.429287
## 606	268	3.224527	3.683873	11.422240
## 607	62	0.516019	0.269091	3.348578
## 608	95	2.183467	0.914359	7.089160
## 609	110	6.553941	2.321542	15.020685
## 610	207	4.213140	3.261941	12.322880
## 611	58	6.303642	4.282865	22.695646
## 612	35	2.935890	3.681552	15.252900
## 613	25	3.319147	3.614420	10.893698
## 614	25	2.208020	1.189913	7.624187
## 615	57	1.879596	2.809075	9.966216
## 616	38	1.772812	2.879970	6.183917
## 617	29	1.459767	2.899947	8.167702
## 618	32	2.365479	2.615304	14.983423
## 619	32	0.830457	2.035453	7.475023
## 620	41	3.401903	2.295174	11.147045
## 621	31	2.040952	2.014336	10.762465
## 622	30	3.166294	1.774062	24.815977
## 623	25	2.230242	2.602726	13.290542
## 624	37	1.061330	1.752306	8.138472
## 625	25	7.164371	9.073006	27.493620
## 626	44	1.441269	2.150117	11.933102
## 627	38	2.319440	2.224031	12.474510
## 628	135	0.108761	0.540550	1.713888
## 629	25	2.229314	1.392631	23.308466
## 630	25	2.618856	2.042990	22.917797
## 631	25	2.844923	2.505650	15.138341
## 632	90	0.667980	0.244046	3.788616
## 633	42	5.373244	1.824000	15.028584
## 634	89	1.028172	0.427897	4.856548
## 635	85	2.862723	1.378209	8.598791
## 636	81	1.751296	0.710318	15.215216
## 637	30	1.033202	0.593724	9.269146
## 638	56	4.083961	7.910060	17.523478
## 639	168	3.137448	1.465123	12.281266
## 640	25	1.512207	1.522723	20.792109
## 641	31	6.180396	4.955502	40.185978
## 642	25	2.000610	1.486326	11.585789
## 643	39	5.439275	2.637633	20.311871
## 644	25	5.823274	3.051799	14.124321
## 645	25	1.634157	1.255556	6.152047
## 646	43	3.791457	2.611530	10.490386
## 647	51	0.491696	1.502980	7.838870
## 648	101	1.891682	3.096628	8.046714

## 649	25	3.252492	1.959231	26.810265
## 650	37	0.706584	1.553421	4.578094
## 651	25	0.584046	1.305402	3.831960
## 652	25	3.640762	1.934213	12.071064
## 653	25	1.061709	0.479162	5.250806
## 654	25	1.622507	1.634320	11.870400
## 655	29	1.514693	0.839329	4.752167
## 656	64	1.513970	1.266517	6.765915
## 657	35	5.059019	4.542093	15.959719
## 658	25	1.739201	1.798915	10.845786
## 659	44	1.064383	1.497542	6.403377
## 660	25	1.620021	1.623938	7.588703
## 661	65	1.472169	0.438556	5.760173
## 662	112	0.488578	0.886166	4.548127
## 663	70	0.077440	0.445250	1.191418
## 664	37	2.395139	2.085547	15.294892
## 665	25	2.402055	1.199222	8.735839
## 666	25	2.831037	1.620881	14.318743
## 667	44	1.802269	1.027274	6.743418
## 668	79	1.397694	1.309226	6.899621
## 669	25	3.700593	1.758746	10.946339
## 670	41	1.442952	1.874702	9.566200
## 671	44	4.081669	2.150803	16.923286
## 672	39	1.626429	0.682312	7.633329
## 673	33	2.377055	1.038407	10.658488
## 674	36	8.720229	4.304221	22.621489
## 675	106	1.466969	1.619495	9.057294
## 676	121	1.197052	1.117549	7.337498
## 677	84	0.105035	0.348839	1.361081
## 678	57	0.965933	0.934639	10.488987
## 679	63	7.751338	17.777931	7.082425
## 680	56	0.036625	0.073265	0.297515
## 681	25	11.982826	16.042253	23.897388
## 682	25	3.247955	1.699030	20.528824
## 683	106	2.098848	1.335193	9.827531
## 684	401	0.666516	0.574789	4.300651
## 685	436	0.016062	0.073185	2.558532
## 686	71	1.099044	0.425109	5.857426
## 687	130	0.023219	0.095997	2.745100
## 688	191	0.183138	0.253571	2.617028
## 689	335	0.162921	0.272627	1.641229
## 690	272	0.146430	0.247619	1.651978
## 691	109	0.740937	0.598140	4.440603
## 692	29	1.403362	0.976390	23.542219
## 693	41	0.919325	0.827752	13.241477
## 694	63	0.776025	0.435527	6.638541
## 695	41	0.264526	0.175435	2.763096
## 696	34	1.261082	1.313743	22.583714
## 697	27	1.564844	1.645069	24.236233
## 698	29	1.361545	0.961527	25.643328
## 699	26	0.406351	0.546923	6.100364
## 700	290	0.414099	0.628587	3.703933
## 701	281	0.023916	0.125759	2.681459
## 702	212	0.399275	0.171365	2.962648

## 703	516	0.256793	0.176727	1.923752
## 704	822	0.123945	0.326480	1.619709
## 705	372	0.331795	0.259977	2.660636
## 706	391	0.010680	0.048757	2.521877
## 707	211	0.328096	0.231184	2.884233
## 708	277	0.024990	0.123330	2.426280
## 709	300	0.161173	0.225132	2.035386
## 710	174	5.147010	2.235454	16.085201
## 711	354	0.525263	0.321740	3.930806
## 712	182	0.464552	0.162411	2.947858
## 713	321	0.016230	0.089184	2.445115
## 714	271	0.806716	0.569965	3.514487
## 715	460	0.536493	0.197172	3.548396
## 716	2850	4.074391	3.863720	11.713734
## 717	255	0.884600	0.537289	5.499998
## 718	222	0.318329	0.190468	2.728758
## 719	599	0.036898	0.188454	2.333894
## 720	134	0.341996	0.265821	3.577492
## 721	187	0.133666	0.185644	2.306261
## 722	25	5.431471	11.254945	28.221889
## 723	52	1.934415	1.660097	9.235858
## 724	88	0.888135	0.591919	5.702112
## 725	54	0.384768	0.238662	2.201026
## 726	64	3.000615	2.924108	12.113605
## 727	61	3.440130	2.497443	6.194535
## 728	59	1.841931	0.647408	9.853175
## 729	33	2.131648	0.803069	6.849952
## 730	62	0.353547	0.263710	1.835318
## 731	90	1.036308	0.312202	5.292005
## 732	76	2.472798	0.896483	17.329552
## 733	93	2.318882	0.857024	13.236965
## 734	43	0.348555	1.179032	3.005036
## 735	37	6.950181	2.925184	13.639452
## 736	30	3.883281	1.629084	10.773965
## 737	30	0.087728	0.042525	1.592109
## 738	39	2.965923	1.571141	9.894355
## 739	31	3.707631	1.687674	15.200624
## 740	33	1.856806	1.404540	7.800179
## 741	31	0.237713	0.558138	3.577158
## 742	43	6.131164	2.959729	18.006422
## 743	25	3.338225	1.505204	17.384829
## 744	57	0.571899	0.307294	2.384378
## 745	46	5.521633	3.097058	14.818987
## 746	25	4.774321	2.312418	27.404926
## 747	32	1.882189	1.639753	9.829348
## 748	38	1.373215	0.823710	7.500586
## 749	53	2.319804	1.621938	8.805450
## 750	45	5.050413	1.978786	10.441436
## 751	63	0.349957	0.115271	2.266988
## 752	30	0.105272	0.371091	1.454582
## 753	34	3.374922	3.523373	17.324762
## 754	43	4.405560	1.974260	11.918936
## 755	25	1.019666	0.645709	3.618201
## 756	26	4.927814	2.521940	23.337461

## 757	27	3.082370	3.233262	8.107418
## 758	35	1.648434	1.787097	11.563655
## 759	82	3.044990	2.192581	12.085643
## 760	25	3.096808	2.056217	22.853516
## 761	69	0.656342	0.947885	3.371027
## 762	91	4.198717	1.038668	9.202977
## 763	95	0.049273	0.081468	1.268863
## 764	30	0.026834	0.046379	1.829741
## 765	105	0.971626	0.685734	3.091556
## 766	114	0.405391	0.396164	2.643613
## 767	58	0.032129	0.059541	1.505504
## 768	97	2.738726	1.691506	7.240896
## 769	25	0.212424	0.895883	3.067824
## 770	87	0.177422	0.093119	1.666958
## 771	25	0.162067	0.200246	3.856950
## 772	77	0.181429	0.239539	5.496439
## 773	72	6.850380	2.054361	14.387449
## 774	29	0.655963	0.429249	3.357183
## 775	47	0.515255	0.306643	3.448514
## 776	49	0.133323	0.203216	1.955970
## 777	78	0.579390	0.341790	3.019108
## 778	167	4.940152	4.167417	12.352314
## 779	58	11.521880	5.439545	22.441984
## 780	97	4.166466	2.110696	11.121260
## 781	72	2.761983	1.213816	11.418902
## 782	220	0.341326	0.781154	4.083033
## 783	260	0.238269	0.087671	1.870535
## 784	97	0.427780	0.254806	2.718757
## 785	63	0.404314	0.167157	1.842064
## 786	100	0.108967	0.042030	1.501737
## 787	113	2.870338	1.226228	9.910916
## 788	130	1.804790	1.204124	9.604646
## 789	80	0.759333	0.380924	2.928973
## 790	49	0.075030	0.072821	1.178738
## 791	135	0.429783	0.130088	2.504678
## 792	70	2.188663	1.385066	9.975502
## 793	49	5.394826	1.815540	14.331109
## 794	25	1.093545	1.290723	18.523100
## 795	76	1.505525	1.689473	8.151015
## 796	44	2.230756	0.891664	7.830090
## 797	109	0.100964	0.314102	2.242995
## 798	31	5.799284	5.278457	40.358891
## 799	25	2.158315	1.771834	11.925052
## 800	39	5.363566	2.545897	20.096998
## 801	25	5.867529	3.017820	14.213046
## 802	25	1.681024	1.257379	6.774650
## 803	43	3.798966	2.561008	10.567206
## 804	48	0.607590	1.969015	8.116673
## 805	40	0.238251	0.642022	0.984948
## 806	25	3.447641	1.770095	14.640838
## 807	239	0.384590	0.328760	3.003406
## 808	286	1.763260	1.696165	5.484491
## 809	486	0.026598	0.090778	1.301405
## 810	512	0.720182	0.281032	3.463357

## 811	145	0.406569	0.295834	2.453696
## 812	602	0.015047	0.069615	2.360610
## 813	488	0.572760	0.351168	3.122842
## 814	1393	0.461629	0.168552	3.430710
## 815	720	0.596755	0.352310	2.965179
## 816	189	0.652478	0.309721	3.064978
## 817	143	0.419934	0.291262	3.217357
## 818	25	6.666307	5.960891	24.606447
## 819	205	0.464646	0.299622	3.099300
## 820	178	0.439921	0.302385	2.672717
## 821	322	0.016118	0.054126	2.617684
## 822	734	0.712911	0.452447	3.474111
## 823	1036	0.483120	0.170226	3.147527
## 824	78	0.514430	0.381666	4.110719
## 825	126	0.414278	0.203352	3.803694
## 826	43	0.262866	0.316452	9.133017
## 827	114	1.500782	0.615659	5.365431
## 828	186	1.732200	0.615294	5.900935
## 829	191	4.848828	1.337589	12.072058
## 830	331	2.739646	1.063100	9.123239
## 831	322	3.535988	1.186858	10.118362
## 832	208	0.449224	1.104008	4.294093
## 833	126	3.881627	1.320231	9.938329
## 834	83	3.658107	2.795951	15.353345
## 835	33	1.061521	0.744899	11.355667
## 836	98	0.783486	0.338294	7.689770
## 837	45	1.301778	0.621003	4.462875
## 838	53	0.233727	0.113681	2.712890
## 839	86	2.249210	1.132457	10.448569
## 840	41	2.872329	1.513584	14.777755
## 841	93	0.778291	0.414891	5.669611
## 842	28	7.225478	3.369628	30.691395
## 843	45	0.872462	0.333252	8.292908
## 844	61	0.942627	0.706792	5.221579
## 845	51	1.731319	2.012008	7.600262
## 846	44	4.283463	2.121832	10.858115
## 847	69	4.684713	1.619962	17.315269
## 848	49	1.051036	0.471342	4.888213
## 849	25	4.825133	2.192622	21.710499
## 850	33	9.548109	4.182359	23.814232
## 851	57	7.366097	3.244998	19.633051
## 852	49	4.114808	2.417734	10.245454
## 853	56	6.832975	4.491938	23.995464
## 854	41	3.425074	1.503257	13.043179
## 855	99	7.778303	5.170948	11.924724
## 856	50	2.741509	3.456355	16.561188
## 857	75	0.081889	0.266379	1.729417
## 858	44	2.061001	1.009724	18.061338
## 859	80	0.795354	0.812716	5.739727
## 860	54	0.786357	1.027379	3.241391
## 861	32	1.466625	0.856154	8.153031
## 862	189	2.696404	1.982955	11.010807
## 863	96	0.827562	0.379971	3.375944
## 864	43	1.936444	0.713425	4.668674

## 865	62	2.432422	1.303474	20.367554
## 866	71	0.714062	0.936085	5.215283
## 867	30	1.403919	0.870528	8.927836
## 868	33	0.752191	0.421591	3.778988
## 869	28	1.111839	0.569892	5.731909
## 870	25	3.081379	1.607206	13.978269
## 871	38	1.129518	0.718207	4.497977
## 872	25	2.475059	2.204501	13.159403
## 873	25	1.142273	1.928246	13.709672
## 874	44	1.035517	0.431496	11.068219
## 875	34	0.698409	0.329612	4.153144
## 876	90	0.157563	0.137030	1.857588
## 877	56	0.800100	0.330390	4.487814
## 878	224	0.682276	0.887294	5.438380
## 879	133	6.029670	1.675960	19.455542
## 880	45	0.802700	0.300288	4.780282
## 881	66	1.552668	0.600197	6.597211
## 882	68	3.025251	1.024849	8.009817
## 883	72	2.101297	0.656464	9.157444
## 884	110	0.350830	0.115770	2.445423
## 885	95	4.864641	2.423916	11.082088
## 886	79	2.946941	1.522202	11.352674
## 887	43	0.490925	0.238408	4.569714
## 888	106	5.564955	2.164808	18.701952
## 889	176	1.132791	0.260482	4.885578
## 890	25	0.909177	0.416161	11.613590
## 891	62	1.309192	1.072172	13.595553
## 892	61	7.797662	17.831152	7.299788
## 893	75	0.030360	0.065214	0.318806
## 894	25	3.330059	1.725524	14.496103
## 895	174	0.562002	0.433359	3.459840
## 896	573	0.673533	0.213878	3.400837
## 897	469	0.562765	0.329819	3.135813
## 898	441	0.217861	0.570059	2.456204
## 899	307	1.005042	1.240800	2.900951
## 900	25	3.716308	4.521396	18.668665
## 901	315	0.197377	0.407114	2.368557
## 902	25	2.867736	2.489120	19.779154
## 903	313	0.196713	0.402514	2.650670
## 904	34	0.201236	0.158462	4.035561
## 905	319	0.128298	0.221370	2.551613
## 906	284	0.139962	0.221086	2.464578
## 907	25	1.495972	1.252403	23.521696
## 908	217	0.098804	0.124797	2.316929
## 909	121	0.292625	0.533542	4.258324
## 910	53	0.411449	0.471762	9.008476
## 911	262	0.098440	0.121167	1.885589
## 912	196	0.138995	0.152410	2.992969
## 913	539	0.509505	0.419332	2.920471
## 914	44	0.297575	0.381922	4.038948
## 915	51	3.613262	1.349938	10.551400
## 916	74	4.126241	1.232418	13.859855
## 917	33	0.842292	0.621550	11.470766
## 918	40	4.089325	1.591962	12.816945

## 919	45	1.811757	1.002196	8.853973
## 920	80	1.873858	0.957751	9.379103
## 921	53	5.775115	2.062041	17.671286
## 922	60	3.110671	1.136138	13.393625
## 923	33	5.061020	2.473660	24.583954
## 924	25	0.419359	0.492063	3.498261
## 925	102	2.182731	1.418224	11.978634
## 926	86	3.607983	3.954466	12.800096
## 927	54	0.190362	0.054928	1.227532
## 928	269	0.743086	1.149665	4.253191
## 929	236	0.198126	0.336436	1.649570
## 930	247	0.522024	0.376891	3.368913
## 931	361	0.307299	0.462401	1.743998
## 932	225	0.630614	0.721695	5.776083
## 933	134	6.044444	1.708637	19.608051
## 934	45	0.791644	0.279429	4.467829
## 935	65	1.546411	0.579432	6.416686
## 936	69	3.129849	1.062093	8.366284
## 937	71	2.097845	0.663911	9.043540
## 938	111	0.371106	0.260442	2.624518
## 939	94	4.899692	2.371640	10.925479
## 940	80	2.996725	1.547603	11.555647
## 941	43	0.476286	0.192918	4.396280
## 942	106	5.581551	2.191513	18.713236
## 943	174	1.118648	0.197760	4.764536
## 944	25	0.931550	0.415684	10.721374
## 945	25	3.921028	4.915878	43.307484
## 946	36	2.893977	1.917825	12.340281
## 947	25	6.028376	3.251212	20.700264
## 948	41	5.432440	2.415249	19.142242
## 949	25	1.502778	0.898504	5.947404
## 950	44	3.700185	2.540559	10.221941
## 951	51	0.539235	1.662359	7.918685
## 952	57	6.457696	4.083802	21.756874
## 953	34	2.814774	3.561502	13.771799
## 954	25	2.485501	1.714436	11.494917
## 955	25	2.168814	1.172058	7.571103
## 956	58	1.934812	2.926658	10.470160
## 957	38	1.913702	3.141122	6.685232
## 958	28	1.256897	2.639985	6.758926
## 959	32	2.384348	2.704581	14.833754
## 960	32	0.830341	1.955816	7.513630
## 961	41	3.430931	2.327096	11.197773
## 962	31	2.193494	2.443741	10.668238
## 963	30	3.172520	1.710715	25.024097
## 964	25	2.240026	2.774702	13.005581
## 965	38	1.121102	1.904884	8.490978
## 966	25	7.382782	10.191923	27.274172
## 967	43	1.359856	2.014793	11.261044
## 968	38	2.350208	2.159032	12.283728
## 969	133	0.147954	0.891841	1.837997
## 970	33	1.991767	1.490338	10.808629
## 971	25	2.480118	1.318451	9.150661
## 972	25	2.719790	1.540710	13.694230

## 973	45	1.800367	1.011252	6.795665
## 974	79	1.401405	1.275022	6.821580
## 975	25	3.747728	1.723326	11.852096
## 976	40	1.499685	1.930459	9.379157
## 977	25	4.501919	2.078694	18.794640
## 978	59	2.567617	2.016935	12.892027
## 979	32	2.343655	1.033925	9.829373
## 980	37	8.970857	4.416474	23.328733
## 981	105	1.365817	1.220077	8.777032
## 982	122	1.338933	1.709543	7.852094
## 983	83	0.100810	0.227343	1.162973
## 984	59	1.904486	1.243484	14.322745
## 985	61	7.422499	17.183832	6.450388
## 986	25	1.358122	1.852403	16.379589
## 987	25	4.083520	2.282643	21.462536
## 988	72	2.714981	1.121852	11.893742
## 989	424	0.665270	0.435023	3.808948
## 990	241	0.967383	0.794475	4.230434
## 991	622	0.007685	0.056335	2.087078
## 992	363	7.890455	3.267825	22.356285
## 993	116	0.640043	0.498079	3.107487
## 994	1942	0.486008	0.320163	3.563455
## 995	501	0.718449	0.340943	3.616960
## 996	2083	2.929312	2.881150	8.850655
## 997	95	0.362248	0.132919	2.684313
## 998	173	0.769214	0.628951	3.925717
## 999	26	0.076986	0.070300	4.843228
## 1000	101	0.265961	0.216526	4.739630
## 1001	65	0.345149	0.860642	4.435616
## 1002	133	0.558371	0.346286	5.787074
## 1003	103	0.184732	0.241067	2.276587
## 1004	184	0.674121	1.006618	5.636734
## 1005	69	0.334025	0.517895	2.834134
## 1006	59	0.839558	0.702193	10.553161
## 1007	25	1.284278	0.809839	21.225336
## 1008	70	0.768475	1.032740	8.637184
## 1009	40	1.482799	1.035880	8.282210
## 1010	25	4.958520	3.135550	25.822954
## 1011	87	1.406482	1.367500	5.687543
## 1012	71	2.460301	0.749569	7.438550
## 1013	82	3.363607	1.716937	12.440466
## 1014	45	0.863396	0.523077	5.958405
## 1015	34	0.904068	0.432933	3.223993
## 1016	38	2.030906	2.061730	11.591578
## 1017	58	1.405559	0.635222	5.706409
## 1018	66	4.068945	1.581236	14.776962
## 1019	94	2.014507	1.822266	7.088465
## 1020	75	3.610251	1.316583	27.069738
## 1021	41	0.593222	0.381357	5.861957
## 1022	26	0.314214	0.161606	3.427656
## 1023	104	1.330588	0.667471	7.262306
## 1024	169	0.354278	0.361899	5.515435
## 1025	133	0.982590	1.194204	5.465432
## 1026	61	3.301661	1.067296	16.473749

## 1027	61	3.711614	2.135743	11.345828
## 1028	56	3.283201	1.153777	8.378325
## 1029	34	5.642799	2.680303	31.940523
## 1030	37	3.801548	2.323288	23.018753
## 1031	94	3.623217	2.392272	15.698388
## 1032	36	1.318582	0.780329	6.949230
## 1033	36	1.901800	0.863171	6.440917
## 1034	25	1.410682	1.247876	16.913572
## 1035	152	1.386280	1.449297	7.956351
## 1036	67	0.183067	0.159403	1.769382
## 1037	68	0.105259	0.276700	2.473209
## 1038	97	0.159146	0.115574	3.309415
## 1039	88	0.186663	0.386426	2.650429
## 1040	56	0.326020	0.368770	2.546648
## 1041	68	2.186373	0.729193	8.251736
## 1042	42	0.631935	0.245672	8.708747
## 1043	148	0.648731	0.283151	4.861665
## 1044	53	0.615177	0.413592	5.461955
## 1045	970	0.519547	0.456668	2.537250
## 1046	540	0.556594	0.288083	2.931333
## 1047	180	0.526165	0.515706	3.631166
## 1048	536	0.089672	0.465269	2.211196
## 1049	561	0.335027	0.264313	3.178257
## 1050	1213	0.551522	0.303871	3.087004
## 1051	608	0.373675	0.186772	3.119918
## 1052	311	0.021107	0.118810	2.266811
## 1053	752	0.488280	0.288293	3.491908
## 1054	148	0.403108	0.308554	4.066367
## 1055	933	0.510350	0.210645	3.241554
## 1056	168	0.366325	0.239992	3.090722
## 1057	1002	0.406780	0.255948	2.624245
## 1058	835	5.094797	2.263447	16.834860
## 1059	54	4.059838	2.120083	21.515541
## 1060	400	0.920961	1.259606	4.447555
## 1061	233	0.937466	0.881804	4.025857
## 1062	131	0.572333	0.199887	4.466023
## 1063	197	0.097708	0.107433	1.743693
## 1064	58	1.555620	0.792127	7.496520
## 1065	36	0.468704	0.455881	4.175105
## 1066	38	2.071695	1.189965	6.401379
## 1067	56	2.738917	2.282216	7.753207
## 1068	112	4.935631	6.198341	9.221543
## 1069	64	3.185547	1.103152	6.757819
## 1070	38	3.636752	2.109314	18.692192
## 1071	25	6.731765	3.312536	28.052681
## 1072	47	1.195595	0.724853	7.375531
## 1073	74	0.241482	0.126485	1.572682
## 1074	55	2.134737	0.935763	6.343196
## 1075	28	3.130355	1.535366	7.321826
## 1076	25	1.473820	0.678942	5.274432
## 1077	120	1.991058	0.728049	7.777101
## 1078	61	0.514802	0.492900	2.440697
## 1079	33	0.000550	0.002661	0.225028
## 1080	25	0.853100	0.794531	4.145879

## 1081	25	0.381254	1.278544	3.673122
## 1082	25	8.851257	4.384796	15.102342
## 1083	93	0.352973	0.180211	2.968154
## 1084	68	2.660845	2.422496	9.935719
## 1085	61	1.213520	1.165603	12.934122
## 1086	62	8.534253	19.759865	8.029851
## 1087	36	3.918756	3.126958	25.380999
## 1088	34	2.321252	2.681482	30.302633
## 1089	65	1.867298	2.345522	16.031006
## 1090	25	3.416567	1.894114	19.556398
## 1091	27	0.410382	0.488482	2.730444
## 1092	25	0.691251	0.588900	9.679397
## 1093	81	2.775775	1.760902	11.931564
## 1094	52	0.708997	1.420687	7.573502
## 1095	28	3.447686	1.473934	10.831476
## 1096	55	1.820181	2.261912	11.922295
## 1097	37	1.870716	0.984338	6.193075
## 1098	136	2.659235	2.380780	8.284986
## 1099	139	1.364419	1.530395	7.326551
## 1100	41	6.633937	6.442990	31.762314
## 1101	82	1.528328	3.503821	7.555593
## 1102	265	3.237717	3.674343	11.389932
## 1103	62	0.503847	0.259381	3.290651
## 1104	95	2.213112	0.922841	7.123096
## 1105	110	6.537829	2.316465	15.019637
## 1106	206	4.132682	3.117711	12.126119
## 1107	76	4.128179	2.560717	17.611532
## 1108	33	1.072945	0.713177	11.552245
## 1109	99	0.793566	0.348483	7.827744
## 1110	44	1.266226	0.615681	4.097105
## 1111	53	0.239297	0.109293	2.602025
## 1112	86	2.207405	1.118648	10.281656
## 1113	41	2.830411	1.488514	14.772044
## 1114	93	0.774682	0.412576	5.677684
## 1115	28	7.301013	3.555499	30.842148
## 1116	45	0.849079	0.437599	8.025811
## 1117	61	0.950503	0.725501	5.157414
## 1118	51	1.723054	1.986378	7.542293
## 1119	44	4.289708	2.148511	10.902746
## 1120	69	4.629833	1.619121	17.380209
## 1121	49	1.069717	0.532326	4.946298
## 1122	26	4.781231	2.148736	22.028927
## 1123	32	9.507092	4.199870	23.220743
## 1124	57	7.467816	3.242820	19.890274
## 1125	50	4.039605	2.287086	10.659382
## 1126	56	6.581515	4.151476	23.938749
## 1127	41	3.372417	1.497687	12.699150
## 1128	98	7.889721	5.279584	11.861804
## 1129	25	0.508501	1.081352	5.740112
## 1130	25	9.979660	13.503510	23.476763
## 1131	104	2.719117	1.328601	13.319668
## 1132	190	1.077687	0.708290	5.313617
## 1133	450	0.009197	0.061929	2.146348
## 1134	270	7.674182	3.207698	22.231579

## 1135	394	0.370107	0.507375	2.782628
## 1136	190	0.798674	1.125434	6.051515
## 1137	351	0.519296	0.332966	2.371870
## 1138	350	0.012023	0.034603	2.096755
## 1139	425	0.538467	0.435116	3.343814
## 1140	25	3.123345	5.427789	18.161013
## 1141	117	0.526445	0.379583	3.799660
## 1142	127	0.599503	0.388041	8.095116
## 1143	111	0.281792	0.102084	3.533812
## 1144	110	0.337424	0.135287	3.850565
## 1145	451	0.770570	0.793430	4.154469
## 1146	25	0.722785	0.478698	15.350550
## 1147	114	0.434151	0.328618	4.139699
## 1148	25	0.955731	0.672650	24.213341
## 1149	98	0.312056	0.303576	5.039291
## 1150	114	0.285189	0.183592	4.524657
## 1151	63	0.228974	0.126761	5.389058
## 1152	449	0.756399	1.028933	4.189395
## 1153	25	1.992166	2.509885	18.659996
## 1154	115	0.550919	0.301676	3.946219
## 1155	25	1.014659	0.686909	18.414770
## 1156	103	0.442088	0.201438	4.779863
## 1157	221	0.393636	0.709026	4.346786
## 1158	62	1.575053	2.293296	8.631704
## 1159	100	0.766490	0.740874	3.945331
## 1160	36	4.735220	2.488882	13.701547
## 1161	70	0.757785	0.851804	2.983173
## 1162	38	2.057074	1.231304	6.566553
## 1163	25	3.770882	2.395685	19.742119
## 1164	25	3.486924	1.741876	14.640865
## 1165	44	1.062957	2.010503	9.200038
## 1166	31	0.682332	0.585380	3.451866
## 1167	25	1.184428	0.756770	5.675025
## 1168	38	2.779904	1.410396	9.078769
## 1169	41	2.821812	2.188634	13.083413
## 1170	197	1.513887	0.931781	4.566077
## 1171	39	2.104214	1.069103	14.900918
## 1172	54	1.304683	1.118078	8.582614
## 1173	39	2.056326	2.490736	25.987850
## 1174	25	0.638421	0.521054	8.268646
## 1175	27	0.479326	0.202279	1.652668
## 1176	26	0.187932	0.086648	1.748982
## 1177	25	2.066111	1.593294	8.319180
## 1178	27	0.738312	0.331763	2.823204
## 1179	26	0.294681	0.199623	2.065330
## 1180	29	0.763855	0.388457	5.501326
## 1181	33	1.815621	1.587248	18.741707
## 1182	29	2.535283	1.143797	7.557867
## 1183	25	8.419526	4.403338	24.531057
## 1184	25	2.397182	1.173352	12.225922
## 1185	25	2.126507	1.185615	8.614813
## 1186	31	3.957633	1.625585	9.869729
## 1187	29	0.828248	0.405317	6.014540
## 1188	34	5.949608	2.410018	10.428996

## 1189	56	0.960580	0.707345	4.960447
## 1190	37	4.541233	1.800491	8.957555
## 1191	36	2.151467	1.407893	22.045383
## 1192	25	3.308636	2.325521	17.796335
## 1193	25	2.602334	1.978574	14.528075
## 1194	25	3.018201	2.361477	12.250108
## 1195	95	5.791759	3.340475	18.755669
## 1196	27	1.013851	0.597708	8.287575
## 1197	30	1.361994	0.720200	7.098247
## 1198	53	1.695458	0.978739	6.283850
## 1199	149	0.482417	0.879600	2.617089
## 1200	25	7.265561	4.458460	32.707253
## 1201	25	9.673744	5.302004	21.442837
## 1202	25	6.765112	4.089975	21.001858
## 1203	40	2.592665	1.963937	13.496393
## 1204	25	3.887793	2.855985	13.795034
## 1205	100	2.856912	4.243557	11.596156
## 1206	219	0.431668	1.968297	3.860800
## 1207	260	0.234237	0.078786	1.907972
## 1208	96	0.423283	0.257084	2.506209
## 1209	63	0.406805	0.175438	1.986333
## 1210	101	0.132368	0.190868	1.945853
## 1211	113	2.858225	1.203592	9.969387
## 1212	130	1.823626	1.206135	9.637174
## 1213	80	0.765029	0.384595	2.936771
## 1214	48	0.060536	0.020505	0.908581
## 1215	134	0.467325	0.464360	2.709640
## 1216	25	2.281824	1.446635	23.416355
## 1217	25	2.849619	2.194555	24.574135
## 1218	25	2.639097	2.406620	15.494479
## 1219	89	0.660852	0.239769	3.463097
## 1220	43	5.421885	1.824674	15.422826
## 1221	89	0.989967	0.292715	4.432748
## 1222	84	3.359162	1.665301	9.011464
## 1223	82	2.336807	1.056469	16.205053
## 1224	30	1.390998	0.728490	13.001328
## 1225	55	4.268157	6.476840	17.606430
## 1226	169	3.225221	1.820176	12.012214
## 1227	41	0.855789	1.293795	12.660666
## 1228	26	3.486093	1.960893	22.632347
## 1229	84	2.535208	1.082040	11.657460
## 1230	218	0.940833	0.686840	4.951773
## 1231	224	0.016105	0.094110	2.470546
## 1232	188	0.460916	0.887401	5.253023
## 1233	263	7.549644	3.148989	22.581516
## 1234	98	0.854477	0.799432	4.415980
## 1235	291	0.676253	0.466499	3.418098
## 1236	696	0.409973	0.372189	2.341406
## 1237	434	0.601859	0.531541	3.629902
## 1238	25	1.981784	3.056545	17.524847
## 1239	118	0.593585	0.325737	4.101562
## 1240	239	0.498812	0.367024	6.293541
## 1241	109	0.532554	0.206304	4.716417
## 1242	452	0.683812	0.630911	4.317828

## 1243	25	0.787442	0.566281	12.418574
## 1244	95	0.689971	0.713475	4.268815
## 1245	542	0.042488	0.298298	2.123740
## 1246	181	2.420874	1.326849	8.308799
## 1247	196	3.255128	1.685685	12.170773
## 1248	89	0.654333	0.501595	4.378237
## 1249	176	0.409762	0.119632	2.841940
## 1250	268	0.425284	0.317966	2.432673
## 1251	301	3.968861	2.571701	11.896504
## 1252	66	1.009628	0.554416	6.796400
## 1253	87	0.908033	0.463310	6.013330
## 1254	72	0.548374	0.436710	3.869747
## 1255	93	0.560427	0.159868	3.915835
## 1256	25	0.885950	0.984306	13.915688
## 1257	25	1.740712	1.603782	17.642437
## 1258	61	2.740381	4.259508	17.119802
## 1259	213	0.295683	0.237608	2.187622
## 1260	176	0.394505	0.135991	2.664612
## 1261	180	0.397424	0.338425	2.595376
## 1262	946	1.390198	0.995968	5.594465
## 1263	83	0.303739	0.319270	2.817437
## 1264	558	0.527412	0.304489	3.261148
## 1265	145	0.386344	0.176603	2.261172
## 1266	445	0.618618	0.495278	4.049395
## 1267	25	1.852451	1.938734	19.617102
## 1268	118	0.609222	0.375595	4.104774
## 1269	41	4.568521	1.297278	26.216427
## 1270	32	7.088413	2.768066	14.256178
## 1271	39	5.890104	2.257277	15.896077
## 1272	27	2.687007	1.159774	10.177736
## 1273	32	0.935656	0.380122	3.577121
## 1274	31	0.454059	0.242159	2.318486
## 1275	27	2.235503	1.438112	13.714216
## 1276	25	3.435989	1.751456	19.794523
## 1277	43	1.014819	1.550247	7.747765
## 1278	25	0.617788	0.343088	4.456662
## 1279	25	1.912335	1.197018	17.691103
## 1280	32	0.927947	0.396777	3.034824
## 1281	35	1.242168	0.528724	3.217470
## 1282	41	1.598308	0.552754	4.922461
## 1283	55	5.588237	2.000745	14.273729
## 1284	50	7.200834	2.553859	10.396801
## 1285	73	0.552480	0.221750	2.402129
## 1286	82	1.704223	2.162019	8.870381
## 1287	65	2.718707	3.217995	11.389147
## 1288	32	2.314156	3.737955	8.688802
## 1289	132	1.844495	5.595942	6.070594
## 1290	59	0.037077	0.052838	0.487648
## 1291	25	6.664510	6.990773	47.216942
## 1292	31	2.698792	1.971617	12.049921
## 1293	25	6.003909	3.278764	20.702709
## 1294	41	5.414562	2.403147	19.192081
## 1295	25	1.492393	0.878922	6.302364
## 1296	25	2.009325	1.835048	8.491146

## 1297	25	4.974260	2.770512	23.499662
## 1298	45	0.034098	0.063051	0.802610
## 1299	54	6.329308	4.188466	18.400156
## 1300	34	2.845353	3.720414	13.888767
## 1301	25	2.530892	1.756860	11.400307
## 1302	25	2.205835	1.166230	7.578519
## 1303	58	1.936868	2.933080	10.431057
## 1304	38	1.950370	3.228067	6.787163
## 1305	28	1.407366	3.199658	6.662931
## 1306	32	2.390608	2.690276	14.799678
## 1307	32	0.870130	2.036713	7.718040
## 1308	41	3.480503	2.400237	11.191313
## 1309	31	2.253125	2.471058	10.756403
## 1310	30	3.179831	1.691898	24.672495
## 1311	25	2.250963	2.835386	13.073106
## 1312	38	1.094593	1.845530	8.443280
## 1313	25	8.336724	11.334436	27.028076
## 1314	43	1.365006	2.021219	11.311540
## 1315	38	2.358623	2.352797	12.334925
## 1316	135	0.155020	0.973714	1.822026
## 1317	34	2.038509	1.768706	11.933680
## 1318	25	2.405244	1.186854	8.831167
## 1319	25	2.756814	1.544259	14.296925
## 1320	44	1.793473	1.022321	6.660454
## 1321	79	1.422073	1.334741	6.944229
## 1322	25	3.674754	1.726823	10.961267
## 1323	41	1.420302	1.810301	9.524506
## 1324	44	4.089984	2.102654	16.673738
## 1325	40	1.674143	0.737756	8.257399
## 1326	32	2.345853	1.023911	9.519566
## 1327	36	8.909639	4.306346	22.855761
## 1328	106	1.426617	1.417995	9.090986
## 1329	122	1.232968	1.236339	7.390750
## 1330	83	0.077520	0.022843	0.734952
## 1331	58	1.050804	0.942371	12.065881
## 1332	62	7.348781	17.163214	8.393314
## 1333	65	0.108982	0.309905	0.423767
## 1334	25	1.436066	1.321576	13.267299
## 1335	393	0.338052	0.435404	2.829225
## 1336	25	1.668767	1.862624	11.395602
## 1337	219	0.573742	0.518795	4.609976
## 1338	160	0.543298	0.817269	5.717871
## 1339	460	0.420812	0.244783	3.573041
## 1340	333	1.095054	0.690814	6.146211
## 1341	294	7.660679	3.137917	22.202524
## 1342	155	8.484051	3.462377	28.409750
## 1343	169	0.588259	0.649300	6.665760
## 1344	275	0.469147	0.495159	3.431252
## 1345	363	0.329288	0.252920	2.377214
## 1346	1294	0.416704	0.255556	3.185343
## 1347	268	2.068847	2.856649	6.653199
## 1348	33	0.084890	0.122884	1.048421
## 1349	41	1.869078	2.182829	3.868953
## 1350	176	0.662887	1.243698	3.110862

## 1351	868	0.022058	0.196979	0.044813
## 1352	25	0.963713	1.614619	11.481239
## 1353	25	5.234475	2.471936	32.144665
## 1354	34	5.040621	2.067992	13.027579
## 1355	39	0.908075	0.376174	5.811603
## 1356	45	8.545450	3.772887	28.138954
## 1357	64	0.589530	1.818475	4.783580
## 1358	25	0.304687	0.919549	2.648149
## 1359	217	0.322557	0.818287	3.400731
## 1360	260	0.235977	0.076114	1.900536
## 1361	97	0.427423	0.257096	2.632863
## 1362	63	0.398819	0.164445	1.993046
## 1363	100	0.115544	0.061046	1.703182
## 1364	113	2.877805	1.246637	9.894102
## 1365	130	1.815007	1.218772	9.598274
## 1366	80	0.767419	0.387135	2.888477
## 1367	49	0.065248	0.021051	0.960045
## 1368	135	0.425605	0.109329	2.420657
## 1369	270	0.726062	1.031583	4.108191
## 1370	234	0.198024	0.332289	1.621213
## 1371	247	0.524590	0.376586	3.369455
## 1372	361	0.307103	0.464068	1.736393
## 1373	29	2.908108	4.445649	29.808748
## 1374	57	4.847670	1.999362	15.713648
## 1375	25	1.093827	0.693026	4.878803
## 1376	27	4.877490	2.207687	24.057146
## 1377	27	2.999097	3.128807	7.964911
## 1378	35	1.642691	1.809652	11.103947
## 1379	81	3.081037	2.234064	11.995266
## 1380	25	2.991160	1.955014	22.782360
## 1381	69	0.708297	1.105792	3.513197
## 1382	214	0.244800	0.557428	2.462842
## 1383	260	0.236055	0.077607	1.907496
## 1384	97	0.423121	0.244807	2.778009
## 1385	63	0.407817	0.176082	1.961327
## 1386	100	0.116344	0.056057	1.696162
## 1387	113	2.867474	1.233107	9.889507
## 1388	130	1.813522	1.215037	9.557055
## 1389	80	0.766614	0.381498	2.905575
## 1390	49	0.075013	0.069540	1.188918
## 1391	131	0.423890	0.119303	2.489447
## 1392	67	0.097446	0.323143	1.409937
## 1393	25	1.421739	1.411756	12.982108
## 1394	201	0.070315	0.451956	1.852089
## 1395	573	0.361529	0.946877	3.469390
## 1396	25	1.678509	1.806715	11.450321
## 1397	314	0.244861	0.300857	3.220065
## 1398	660	0.186530	0.258179	1.149659
## 1399	395	0.654993	3.106296	4.477421
## 1400	491	0.496583	0.564394	2.607675
## 1401	289	0.040321	0.134633	2.786934
## 1402	188	0.311894	0.613282	4.461342
## 1403	233	0.463232	0.732515	1.535650
## 1404	308	1.021343	0.947112	3.261770

## 1405	25	1.909080	2.248299	11.985374
## 1406	87	0.753786	0.440049	5.383280
## 1407	227	0.306763	0.151052	1.911233
## 1408	25	1.081005	0.967689	13.658142
## 1409	349	0.460382	0.676471	3.512105
## 1410	318	0.318138	0.244316	3.064936
## 1411	284	0.530198	0.721111	3.268315
## 1412	58	3.484401	1.415064	17.665285
## 1413	225	3.103967	1.166584	11.050275
## 1414	238	0.932751	0.433405	2.906944
## 1415	110	0.531793	0.238214	2.506382
## 1416	153	0.587277	0.265446	2.386323
## 1417	174	0.430035	0.218201	2.035025
## 1418	222	1.023868	0.616061	3.572482
## 1419	302	0.743558	1.279480	4.217829
## 1420	403	0.275196	0.175215	2.836581
## 1421	332	0.334179	0.652862	3.637167
## 1422	25	1.572449	1.617290	12.845991
## 1423	33	0.358740	0.678674	2.411311
## 1424	25	6.987062	4.146580	32.818699
## 1425	25	9.585441	5.082112	20.866880
## 1426	25	6.801801	4.066805	21.049212
## 1427	40	2.544216	1.932289	13.374942
## 1428	26	4.088618	3.145137	15.655784
## 1429	100	2.819596	3.977191	11.297742
## 1430	94	4.337294	0.997899	10.482793
## 1431	95	0.049364	0.051666	1.210630
## 1432	29	0.017848	0.010985	1.425009
## 1433	105	0.991381	0.683918	3.304430
## 1434	114	0.411407	0.404332	2.713299
## 1435	58	0.039508	0.126069	1.776880
## 1436	97	2.750166	1.688363	7.306798
## 1437	25	0.202088	0.832951	3.049970
## 1438	87	0.178764	0.094163	1.766727
## 1439	25	0.264338	0.532202	4.711363
## 1440	229	0.608118	0.777957	4.945462
## 1441	134	6.005595	1.690675	19.545950
## 1442	44	0.781071	0.284737	4.226068
## 1443	66	1.588373	0.661737	6.736775
## 1444	69	3.118085	1.036625	8.379931
## 1445	71	2.108413	0.675943	8.933010
## 1446	111	0.353148	0.123819	2.431383
## 1447	94	4.860824	2.395206	10.819962
## 1448	80	2.987563	1.514617	11.424458
## 1449	42	0.464406	0.184694	4.105268
## 1450	107	5.542991	2.174886	18.784155
## 1451	176	1.111004	0.195760	4.723484
## 1452	25	0.883167	0.404052	12.011142
## 1453	25	2.720943	3.515672	24.516228
## 1454	54	4.677752	1.943289	15.536002
## 1455	25	1.135570	0.791957	5.271973
## 1456	27	4.966428	2.375938	24.050425
## 1457	27	2.975354	3.108235	8.029438
## 1458	35	1.623910	1.729664	11.249133

## 1459	81	3.068178	2.235221	12.193275
## 1460	25	2.940240	1.831990	22.898273
## 1461	69	0.701524	1.139405	3.496777
## 1462	34	4.177608	3.263508	24.300552
## 1463	34	2.080891	2.355193	29.880756
## 1464	64	2.053997	2.684362	15.948902
## 1465	25	3.460928	1.930113	20.056597
## 1466	28	0.474127	0.631284	2.965302
## 1467	25	0.721768	0.627523	10.257751
## 1468	81	2.792381	2.079667	11.797623
## 1469	52	0.695675	1.428278	7.199761
## 1470	28	3.513777	1.474020	11.158157
## 1471	55	1.800938	2.303872	11.678392
## 1472	36	1.874475	0.987433	5.879541
## 1473	136	2.628468	2.336212	8.432207
## 1474	139	1.356795	1.378259	7.594611
## 1475	65	0.239596	0.564137	5.223547
## 1476	72	6.761877	2.082175	14.194271
## 1477	29	0.636480	0.415067	2.939790
## 1478	47	0.484456	0.289854	3.100898
## 1479	49	0.127200	0.191595	1.777306
## 1480	78	0.581891	0.340239	3.050264
## 1481	167	4.935418	4.159413	12.304461
## 1482	58	11.324121	5.282527	22.330309
## 1483	96	4.130052	2.075147	10.887291
## 1484	73	2.716950	1.177807	11.573268
## 1485	274	0.745787	1.078915	5.182495
## 1486	238	0.202237	0.344313	1.630554
## 1487	246	0.519769	0.373752	3.331149
## 1488	361	0.305062	0.458055	1.699825
## 1489	63	0.228198	0.515897	5.120950
## 1490	25	1.494495	1.431249	13.485932
## 1491	63	0.676458	0.944563	5.087817
## 1492	148	0.762152	0.402447	5.604532
## 1493	36	1.105862	0.609492	8.361652
## 1494	175	0.508469	0.830159	5.154996
## 1495	461	0.403727	0.328281	3.451373
## 1496	269	1.260703	0.699452	6.215077
## 1497	101	1.026580	0.866008	5.621370
## 1498	103	0.078850	0.161476	3.151054
## 1499	113	0.528796	0.342422	5.468871
## 1500	454	0.702705	0.581970	3.729711
## 1501	147	0.679331	0.295022	5.363389
## 1502	57	1.077301	0.593263	7.336758
## 1503	110	0.643309	0.270395	3.145576
## 1504	146	0.355171	0.159953	3.102354
## 1505	94	1.004328	0.586467	5.130530
## 1506	136	0.252275	0.143546	2.461236
## 1507	789	0.757013	0.503201	3.463658
## 1508	177	0.384571	0.153534	3.045186
## 1509	351	0.765772	0.483232	3.375272
## 1510	155	0.347388	0.157661	2.848434
## 1511	265	1.013887	0.462039	4.188952
## 1512	162	0.316347	0.137448	2.811739

## 1513	87	1.666049	0.897921	6.053087
## 1514	137	0.387284	0.139900	3.025832
## 1515	492	0.776510	0.505053	3.565207
## 1516	192	0.481638	0.479297	3.268989
## 1517	272	0.996879	0.583707	3.983591
## 1518	192	0.299788	0.137152	2.829906
## 1519	230	1.087150	0.547182	4.115154
## 1520	171	0.374468	0.231536	3.056676
## 1521	219	0.571567	0.329625	2.682466
## 1522	147	0.281596	0.242554	3.103081
## 1523	69	0.773400	0.482555	3.564776
## 1524	38	0.933323	0.809168	9.471538
## 1525	106	0.339275	0.140479	3.032289
## 1526	478	1.136149	0.583082	4.612465
## 1527	223	0.333750	0.153018	2.893325
## 1528	347	0.911029	0.393844	3.632601
## 1529	335	0.318913	0.194236	2.831182
## 1530	42	0.396137	0.311113	2.579719
## 1531	169	1.502858	0.950124	6.099110
## 1532	123	0.311872	0.315888	3.268755
## 1533	399	0.274080	0.147263	2.871025
## 1534	514	0.261158	0.164656	2.850920
## 1535	736	0.433189	0.441457	3.099954
## 1536	1063	0.282840	0.165453	2.931700
## 1537	864	0.444573	0.443198	3.025081
## 1538	1202	0.346158	0.473253	2.652844
## 1539	2009	0.523289	0.774429	3.139035
## 1540	43	1.436139	1.034056	6.923715
## 1541	219	1.873367	2.250033	6.506714
## 1542	2541	0.450334	0.644495	3.035241
## 1543	26	0.307352	0.745411	4.762466
## 1544	25	5.390509	2.609051	42.757313
## 1545	25	4.878423	2.897565	37.235008
## 1546	25	2.564154	1.310466	18.108509
## 1547	39	0.975640	1.050981	5.290516
## 1548	211	0.895127	0.840780	5.668563
## 1549	25	1.613822	1.710024	11.489862
## 1550	454	0.159756	0.277617	2.096745
## 1551	25	1.557602	1.745088	11.080488
## 1552	102	0.931864	1.038010	11.831303
## 1553	34	0.088781	0.049271	3.011975
## 1554	25	1.339243	1.036314	31.999580
## 1555	65	0.292854	0.261228	6.923469
## 1556	34	0.137943	0.139914	3.896634
## 1557	43	0.208168	0.166458	5.005964
## 1558	68	0.148441	0.057974	3.079468
## 1559	111	0.173451	0.158652	4.584739
## 1560	267	0.297177	0.527872	3.946081
## 1561	323	7.898205	3.195986	23.347075
## 1562	25	1.662970	1.699015	12.568185
## 1563	522	0.014387	0.112472	2.512338
## 1564	816	0.298313	0.462879	2.662233
## 1565	25	1.870823	1.690013	11.390249
## 1566	534	0.210068	0.290198	2.637751

## 1567	204	0.443452	0.360044	3.344659
## 1568	562	0.371413	0.228724	2.924633
## 1569	55	0.769581	0.527912	4.556218
## 1570	260	0.759092	0.306306	3.333114
## 1571	80	1.570912	0.456259	7.710855
## 1572	40	1.027821	0.472535	5.334420
## 1573	45	0.770388	0.289835	4.843643
## 1574	166	0.504970	0.403249	2.846247
## 1575	27	3.408402	1.571822	14.707818
## 1576	806	0.930769	0.648848	4.148411
## 1577	248	0.014598	0.070244	3.033892
## 1578	1605	0.601490	0.445656	3.322654
## 1579	438	0.744083	0.635093	3.730403
## 1580	25	1.025019	0.947769	21.126928
## 1581	117	0.435472	0.266910	4.290968
## 1582	25	0.835431	0.668837	20.550020
## 1583	102	0.390202	0.185015	4.899764
## 1584	111	0.327736	0.107701	3.837178
## 1585	110	0.334351	0.120277	3.829376
## 1586	73	1.411616	1.059280	9.073058
## 1587	712	1.219994	0.958638	5.330626
## 1588	453	0.540128	0.803882	3.803857
## 1589	307	0.983493	0.913656	3.581611
## 1590	25	0.782866	0.555887	12.115567
## 1591	303	0.680843	0.540508	3.765820
## 1592	2770	0.213039	0.319216	2.822578
## 1593	321	0.481566	0.431215	3.727689
## 1594	3420	0.196304	0.319628	2.082899
## 1595	39	0.526357	0.435719	1.938782
## 1596	198	0.428889	0.394267	3.564682
## 1597	691	0.138893	0.120752	1.365822
## 1598	33	0.009363	0.005215	1.605340
## 1599	27	0.226801	1.138429	2.172170
## 1600	43	0.157441	0.369975	2.785914
## 1601	1288	1.188920	0.801667	5.588971
## 1602	296	0.847120	0.843780	5.223627
## 1603	294	0.940752	0.374049	4.556797
## 1604	969	0.576836	0.559026	3.421916
## 1605	154	1.012630	0.614629	5.051128
## 1606	151	0.527974	0.206318	3.309806
## 1607	118	1.017582	0.827007	3.888590
## 1608	292	0.492576	0.249237	2.982220
## 1609	608	0.807863	0.923672	4.130342
## 1610	145	0.784694	0.362671	3.958494
## 1611	108	0.364860	0.207530	2.872922
## 1612	123	1.163427	0.587246	4.483695
## 1613	166	0.718043	0.375756	3.796669
## 1614	435	1.309076	0.813233	5.663551
## 1615	405	0.726401	0.358067	3.831974
## 1616	95	0.286738	0.162335	2.426052
## 1617	842	0.592991	0.382633	2.598194
## 1618	258	0.293332	0.457017	2.548842
## 1619	59	1.837880	1.169641	8.224910
## 1620	83	0.528346	0.236510	3.255484

## 1621	79	0.538203	0.232355	3.038508
## 1622	350	0.463242	0.467796	3.164663
## 1623	116	1.858941	1.008917	7.832000
## 1624	248	0.455126	0.321221	3.123563
## 1625	517	0.786738	0.996261	4.046546
## 1626	228	0.341699	0.242521	2.898852
## 1627	1070	0.495782	0.602168	3.206157
## 1628	357	0.591461	0.862516	3.533962
## 1629	695	0.676241	0.865612	3.857279
## 1630	178	1.345896	1.211731	5.388998
## 1631	418	0.773897	0.436165	3.964603
## 1632	153	0.759124	0.633305	4.318277
## 1633	92	0.715185	0.302229	3.846746
## 1634	222	1.134516	0.821600	5.006616
## 1635	134	0.907132	0.761179	5.192115
## 1636	785	0.985154	1.013109	4.554936
## 1637	87	1.438066	0.915948	6.293804
## 1638	142	0.576276	0.338656	3.703524
## 1639	182	0.151264	0.132839	3.446120
## 1640	120	0.089225	0.168183	2.577956
## 1641	277	0.288660	0.211666	2.665337
## 1642	1722	0.413512	0.418384	2.909573
## 1643	189	1.263950	0.852513	6.116846
## 1644	404	0.918516	0.837967	4.627811
## 1645	334	0.687578	0.405025	3.921346
## 1646	564	0.886812	1.014731	4.437841
## 1647	128	0.867087	0.436754	3.952247
## 1648	863	1.333579	1.381209	5.666875
## 1649	113	1.905233	0.987691	6.896914
## 1650	2668	0.747350	0.710983	4.062786
## 1651	67	0.643261	0.228541	3.311424
## 1652	278	1.126642	1.078486	4.855492
## 1653	436	0.947962	0.988080	4.441999
## 1654	25	1.004325	0.885408	20.380297
## 1655	117	0.432423	0.228586	4.399576
## 1656	25	0.991326	0.615884	21.128843
## 1657	102	0.323368	0.211266	4.887065
## 1658	41	0.202329	0.086315	3.734630
## 1659	89	0.198272	0.372988	2.974315
## 1660	140	0.405556	0.553225	3.688937
## 1661	337	0.859846	0.449273	4.410986
## 1662	103	0.280639	0.187628	2.971979
## 1663	873	0.665106	0.519821	3.777351
## 1664	68	1.252782	0.892755	4.681771
## 1665	405	0.556074	0.386117	3.331583
## 1666	525	1.277537	1.391621	5.799780
## 1667	1199	0.672298	0.376280	3.811899
## 1668	25	1.513488	1.657956	10.969565
## 1669	229	0.309256	0.575947	2.988246
## 1670	136	0.755312	0.356108	3.906246
## 1671	143	1.659755	0.876461	6.148429
## 1672	110	1.257834	1.007856	4.624062
## 1673	73	1.195785	0.399828	6.429698
## 1674	231	0.507790	0.239381	2.557937

## 1675	73	0.905720	0.480319	5.557798
## 1676	271	0.611579	0.413980	2.878418
## 1677	43	0.865869	0.496586	3.751940
## 1678	97	0.629209	0.368212	3.588800
## 1679	385	0.345561	0.166473	2.889239
## 1680	512	0.292239	0.193615	2.780425
## 1681	777	0.691493	0.458547	3.820549
## 1682	448	0.327837	0.377681	2.774737
## 1683	83	0.656667	0.282712	3.597672
## 1684	498	0.362605	0.250588	2.753524
## 1685	151	0.405710	0.243471	2.365933
## 1686	606	0.172702	0.110352	2.434479
## 1687	818	0.324635	0.297661	2.314029
## 1688	243	0.544425	0.397158	4.458499
## 1689	121	0.608295	0.471202	5.633516
## 1690	91	0.858071	1.453652	7.187749
## 1691	129	0.312254	0.261127	2.715704
## 1692	241	0.363784	0.228914	2.765859
## 1693	180	0.391142	0.270233	2.868313
## 1694	107	0.770294	0.457656	3.769759
## 1695	464	0.493733	0.379146	2.762512
## 1696	832	0.278814	0.415323	2.432886
## 1697	25	1.075152	2.357801	15.527175
## 1698	98	1.350720	2.346237	11.386080
## 1699	38	0.119464	0.051938	2.898179
## 1700	25	1.472581	1.141679	30.191662
## 1701	65	0.419388	0.363868	6.984146
## 1702	35	0.159806	0.204607	4.035985
## 1703	43	0.217501	0.151952	4.502833
## 1704	68	0.156105	0.080679	3.195883
## 1705	110	0.182364	0.163133	4.387805
## 1706	196	0.661859	0.564894	5.574290
## 1707	147	0.188380	0.054270	2.563091
## 1708	441	0.084377	0.439063	2.537988
## 1709	138	0.149940	0.137500	2.140973
## 1710	262	0.109492	0.206662	2.599475
## 1711	57	0.230559	0.222899	3.299055
## 1712	92	0.059867	0.061985	1.055134
## 1713	97	0.651095	0.369907	2.659492
## 1714	126	0.228988	0.204386	1.514131
## 1715	159	0.594667	0.599974	2.558064
## 1716	191	0.262051	0.184527	1.628849
## 1717	37	0.131465	0.064142	1.962697
## 1718	1589	0.349589	1.303760	2.343315
## 1719	140	1.084071	0.662029	4.102015
## 1720	388	0.720297	0.439696	2.875033
## 1721	727	0.551750	0.176521	3.416055
## 1722	344	0.010083	0.039319	2.062526
## 1723	137	0.820701	0.506201	3.792991
## 1724	422	0.474505	0.529039	2.796735
## 1725	27	4.126320	1.932281	22.738670
## 1726	33	2.558991	1.102497	6.165004
## 1727	26	1.923596	0.824964	7.678171
## 1728	25	2.364991	1.185491	6.444261

## 1729	25	0.407510	1.038347	11.399206
## 1730	483	0.356827	0.795042	1.880923
## 1731	30	2.269084	1.286376	10.767581
## 1732	34	0.609497	0.548328	3.783644
## 1733	45	2.972048	3.304602	19.098503
## 1734	26	1.014853	0.805646	4.690739
## 1735	71	1.944133	1.384362	11.180521
## 1736	47	0.716199	1.448012	4.841414
## 1737	28	1.528205	1.335770	16.554174
## 1738	25	2.262265	3.389164	14.006326
## 1739	59	3.223262	2.562485	10.475941
## 1740	29	4.132965	1.775030	16.043098
## 1741	25	6.704884	3.265026	28.060707
## 1742	47	1.258391	1.061258	7.905561
## 1743	74	0.237600	0.127216	1.638999
## 1744	56	2.197643	1.090734	6.702666
## 1745	27	3.187130	1.581315	6.884754
## 1746	25	1.452629	0.674428	5.139020
## 1747	121	1.994345	0.725085	7.868749
## 1748	60	0.510633	0.496829	2.285635
## 1749	33	0.004054	0.020534	0.333454
## 1750	25	0.856491	0.774041	4.363195
## 1751	25	0.410358	1.381711	3.621039
## 1752	25	9.347854	4.555680	14.415668
## 1753	93	0.358213	0.196484	3.171120
## 1754	69	2.641618	2.412889	10.136812
## 1755	61	1.507461	1.242730	14.083715
## 1756	62	7.167330	16.921867	6.188574
## 1757	35	0.370171	0.339419	9.386414
## 1758	48	0.340363	0.365048	2.259328
## 1759	25	0.346495	0.585813	10.877546
## 1760	29	6.100115	2.625961	16.400290
## 1761	55	0.488575	0.191741	2.473933
## 1762	30	3.391212	1.471473	4.834385
## 1763	25	2.827065	1.946738	10.548776
## 1764	49	4.318606	3.509351	18.518536
## 1765	28	8.533406	3.792645	15.162710
## 1766	30	0.926829	0.421622	4.674102
## 1767	26	2.177058	1.124248	9.366501
## 1768	28	2.413164	1.277182	15.182115
## 1769	27	9.280196	4.248466	14.163318
## 1770	26	4.367945	2.277955	11.157266
## 1771	30	5.106375	2.304819	11.003245
## 1772	28	4.172095	1.904447	10.822391
## 1773	25	5.859037	3.040977	17.550030
## 1774	28	3.050656	1.504176	16.736671
## 1775	29	3.337610	1.868427	14.661588
## 1776	25	3.193307	1.492585	8.848111
## 1777	37	3.929420	1.763363	15.811098
## 1778	68	0.001826	0.001226	0.454898
## 1779	213	0.218699	0.374424	2.034390
## 1780	260	0.236028	0.080462	1.936018
## 1781	96	0.413318	0.248882	2.484761
## 1782	63	0.413721	0.182490	2.016848

## 1783	101	0.133190	0.181310	2.013996
## 1784	113	2.858367	1.196658	9.967789
## 1785	129	1.822505	1.215869	9.540377
## 1786	81	0.811395	0.539998	3.436203
## 1787	48	0.060654	0.020923	0.937019
## 1788	132	0.464103	0.488393	2.743665
## 1789	25	0.400142	0.905302	9.911913
## 1790	55	3.393042	1.304486	12.371352
## 1791	26	2.017608	0.870158	7.813309
## 1792	25	1.757666	0.778914	4.773858
## 1793	432	0.639759	0.482149	2.741031
## 1794	272	0.160466	0.217833	2.608823
## 1795	829	1.049351	0.460843	3.158520
## 1796	1572	0.450967	0.315133	2.751654
## 1797	113	3.733276	1.407937	12.523390
## 1798	44	0.375263	0.159079	2.610410
## 1799	62	0.348546	0.208152	2.262145
## 1800	35	1.646013	0.806634	5.102516
## 1801	54	0.320559	0.176914	2.286291
## 1802	52	0.700907	0.310214	4.093227
## 1803	165	3.162513	1.242011	9.545408
## 1804	25	2.657621	1.252863	12.031816
## 1805	922	0.565696	0.399932	2.561936
## 1806	90	0.121762	0.089055	1.235534
## 1807	126	0.828990	0.414609	3.005956
## 1808	176	0.145774	0.108476	1.336308
## 1809	222	0.381844	0.237518	2.390259
## 1810	284	0.671608	0.422857	2.619179
## 1811	181	0.494898	0.628671	2.799904
## 1812	1384	0.621989	0.360390	2.588425
## 1813	199	0.584457	0.396339	2.894705
## 1814	71	0.273608	0.148795	1.455173
## 1815	142	0.667830	0.451086	2.617186
## 1816	83	1.071000	0.513828	3.961172
## 1817	146	0.428135	0.216280	2.736651
## 1818	675	0.685930	0.411286	2.559377
## 1819	946	1.865443	1.148831	6.728762
## 1820	58	0.442758	0.398209	3.785495
## 1821	355	0.544152	0.461391	2.797408
## 1822	111	0.413371	0.269295	2.290075
## 1823	127	0.644784	0.412121	3.117452
## 1824	25	3.946328	1.968977	22.302153
## 1825	37	2.899896	1.555369	7.643058
## 1826	26	1.981014	0.853401	7.831446
## 1827	57	0.609018	0.841914	2.960715
## 1828	32	1.743677	1.091697	8.664550
## 1829	25	2.389203	1.225050	8.899072
## 1830	25	2.724990	1.522196	14.221221
## 1831	44	1.783386	1.010992	6.680249
## 1832	79	1.401016	1.320397	6.975805
## 1833	25	3.653788	1.704111	10.374852
## 1834	41	1.443883	1.838303	9.550261
## 1835	44	4.082173	2.100852	16.972574
## 1836	40	1.683913	0.751970	8.230186

## 1837	32	2.329831	1.023500	9.459077
## 1838	36	8.809975	4.384834	22.748018
## 1839	106	1.397291	1.275826	9.203883
## 1840	122	1.255272	1.317430	7.658771
## 1841	83	0.082363	0.079218	1.002027
## 1842	25	4.352991	2.579031	28.831133
## 1843	45	5.339533	1.924910	18.433146
## 1844	39	0.907255	0.372453	5.710317
## 1845	44	8.632480	3.700783	27.584352
## 1846	88	1.784154	3.489705	8.647328
## 1847	38	4.394650	3.172029	26.756231
## 1848	34	2.166539	2.647209	29.770113
## 1849	64	1.917648	2.453887	15.927466
## 1850	25	3.462537	1.929452	20.715822
## 1851	28	0.450319	0.589714	2.977216
## 1852	25	0.730369	0.623666	10.311022
## 1853	81	2.784628	1.938363	11.886202
## 1854	52	0.735810	1.666212	7.251908
## 1855	28	3.437353	1.445759	10.623093
## 1856	55	1.816657	2.382184	11.685235
## 1857	36	1.842105	0.968385	5.872275
## 1858	136	2.635894	2.343207	8.467500
## 1859	139	1.361855	1.427557	7.668272
## 1860	266	3.267071	3.704769	11.486822
## 1861	61	0.507039	0.250485	3.074645
## 1862	96	2.170386	0.903782	7.145189
## 1863	110	6.537319	2.306715	14.892742
## 1864	206	4.126145	3.125858	11.999713
## 1865	223	0.645143	0.796333	5.041130
## 1866	133	6.008100	1.690380	19.388521
## 1867	45	0.791671	0.279538	4.658018
## 1868	66	1.539442	0.587344	6.416798
## 1869	68	3.016286	1.020139	7.970075
## 1870	72	2.080824	0.663011	9.050577
## 1871	110	0.349236	0.112284	2.375158
## 1872	95	4.837602	2.386341	11.037087
## 1873	79	2.932185	1.502523	11.316397
## 1874	43	0.487066	0.225103	4.586658
## 1875	106	5.522144	2.144856	18.702969
## 1876	178	1.125559	0.239832	4.892012
## 1877	25	0.872922	0.399575	14.542280
## 1878	25	0.897377	1.984073	13.546747
## 1879	95	3.395747	1.474333	11.113189
## 1880	502	0.778870	0.815881	3.146881
## 1881	132	0.862514	0.730460	3.234616
## 1882	147	1.014216	0.617202	5.694280
## 1883	253	4.487842	2.482004	10.960817
## 1884	263	3.771323	0.853663	10.448555
## 1885	231	0.690451	0.278381	3.027834
## 1886	261	0.336910	0.592113	4.323225
## 1887	203	0.624927	0.553015	3.803062
## 1888	148	4.639263	2.541147	13.552776
## 1889	120	1.587751	0.807956	6.789923
## 1890	65	0.589792	0.336539	4.252241

## 1891	89	3.815003	2.547683	13.382855
## 1892	31	2.348037	1.253838	8.353067
## 1893	288	0.712671	0.331612	3.084060
## 1894	194	7.685707	3.202224	22.549086
## 1895	332	0.518101	0.461665	2.738254
## 1896	170	0.789452	0.601112	3.037190
## 1897	208	0.425955	0.270631	2.389762
## 1898	111	0.440348	0.324943	2.563197
## 1899	698	0.650173	0.359684	2.487196
## 1900	147	0.341945	0.495248	2.562952
## 1901	400	0.638219	0.363331	2.631496
## 1902	125	0.239356	0.177506	2.365456
## 1903	438	0.814680	0.678277	3.205048
## 1904	199	0.641551	0.560204	3.240453
## 1905	86	1.496972	0.972488	4.275727
## 1906	160	0.157961	0.272572	2.132336
## 1907	115	0.115242	0.297266	2.299826
## 1908	69	9.723513	5.168410	20.075611
## 1909	30	1.401592	1.287089	12.618149
## 1910	28	2.924339	1.873491	17.799944
## 1911	34	1.219695	0.950315	13.427805
## 1912	42	3.251581	1.412303	19.266146
## 1913	44	2.452690	1.374836	17.850550
## 1914	25	6.108525	3.130935	16.776608
## 1915	25	1.530612	0.744437	5.489248
## 1916	25	1.791706	1.444025	29.084162
## 1917	40	2.141903	1.277882	7.063899
## 1918	25	2.790994	1.871685	26.800133
## 1919	41	2.198291	2.234564	14.248528
## 1920	25	7.278752	3.418542	18.325802
## 1921	26	5.195101	2.614235	18.423777
## 1922	28	3.084187	2.080401	18.785662
## 1923	47	6.859553	4.298442	26.054680
## 1924	36	5.373877	4.168293	38.951385
## 1925	25	4.154998	2.207159	27.830742
## 1926	25	5.242010	3.487549	14.758365
## 1927	56	4.996870	1.883320	13.604929
## 1928	48	0.637386	1.209795	9.297660
## 1929	34	3.244973	3.074701	16.965969
## 1930	43	4.400203	1.950261	12.049115
## 1931	25	1.034233	0.647237	3.701434
## 1932	26	4.999860	2.496520	23.587242
## 1933	27	3.081870	3.203475	8.346713
## 1934	35	1.637305	1.754420	11.388228
## 1935	81	3.052126	2.337207	12.267964
## 1936	25	3.020494	1.967416	22.854031
## 1937	68	0.724007	1.154271	3.631428
## 1938	25	2.326416	1.406479	24.023186
## 1939	25	2.807579	2.155408	24.403355
## 1940	25	2.640079	2.400978	15.551750
## 1941	89	0.650877	0.232676	3.474134
## 1942	43	5.451655	1.820380	15.593598
## 1943	89	0.994563	0.293263	4.352664
## 1944	84	3.362631	1.647363	9.055888

## 1945	81	2.363581	1.054523	16.025728
## 1946	31	1.402050	0.708213	13.410479
## 1947	55	4.267323	6.123778	17.753756
## 1948	169	3.122694	1.432474	12.059077
## 1949	25	1.359834	1.352317	20.588415
## 1950	248	0.610615	0.546184	2.420953
## 1951	249	0.328809	0.485224	1.959446
## 1952	251	0.205610	0.349537	1.854610
## 1953	359	0.385614	0.388378	2.036919
## 1954	25	3.279649	6.044613	33.433521
## 1955	42	2.990964	1.831461	16.075991
## 1956	25	5.953858	3.238693	20.376976
## 1957	41	5.356672	2.384658	18.955772
## 1958	25	1.494693	0.925273	5.972333
## 1959	44	3.748211	2.581143	10.366672
## 1960	51	0.542546	1.765319	7.762886
## 1961	116	1.566678	0.782877	6.549893
## 1962	185	1.748228	0.628697	5.874988
## 1963	191	4.860337	1.344152	12.213778
## 1964	332	2.744465	1.067999	9.174199
## 1965	322	3.534802	1.201001	10.130483
## 1966	207	0.476367	1.164382	4.303668
## 1967	127	3.828444	1.303156	10.127615
## 1968	25	1.685805	2.868494	12.892108
## 1969	48	0.714285	1.158501	5.790586
## 1970	59	6.549203	17.399679	4.284683
## 1971	25	0.076165	0.254668	1.641026
## 1972	99	2.955609	1.478309	14.359197
## 1973	275	2.162420	3.091527	7.183471
## 1974	409	0.046975	0.176647	2.617070
## 1975	233	0.542448	0.891056	5.658813
## 1976	25	2.036266	2.491225	23.353846
## 1977	53	0.342612	0.153013	4.971072
## 1978	320	0.147645	0.228335	2.600012
## 1979	446	0.489396	0.346804	3.249566
## 1980	397	0.321617	0.330802	2.635321
## 1981	538	0.234342	0.288559	2.813957
## 1982	25	2.846331	1.657979	15.950705
## 1983	238	0.708668	0.831330	4.210793
## 1984	1315	0.521745	0.491866	3.249223
## 1985	488	0.059074	0.366737	1.517505
## 1986	744	0.360995	0.301444	2.918499
## 1987	155	0.459352	0.243184	2.988165
## 1988	142	0.565330	0.283107	3.435919
## 1989	261	2.358544	0.989451	6.947671
## 1990	515	0.959700	0.494182	5.492379
## 1991	43	0.094617	0.179334	3.530768
## 1992	104	0.558207	0.261517	3.414257
## 1993	192	0.527377	0.337416	3.388304
## 1994	361	0.037600	0.233772	2.028977
## 1995	243	0.568066	0.920414	3.698675
## 1996	42	0.101523	0.202899	5.486697
## 1997	59	0.527441	0.272508	3.997296
## 1998	231	3.581510	3.480796	9.335437

## 1999	25	3.117594	2.168778	16.284370
## 2000	411	0.628510	0.658263	3.599380
## 2001	832	5.594431	2.429700	19.002094
## 2002	87	2.976235	1.405311	17.820856
## 2003	888	4.057363	2.253755	13.626154
## 2004	995	2.466261	1.158823	9.707712
## 2005	153	3.634612	1.501314	9.686341
## 2006	101	4.179002	1.478359	14.876176
## 2007	198	3.324478	1.002988	8.086935
## 2008	144	2.263089	1.016948	6.564608
## 2009	158	2.278191	1.164072	6.621004
## 2010	858	0.679421	0.432063	3.255301
## 2011	53	0.486359	0.236702	2.609007
## 2012	227	0.830134	0.533333	3.853956
## 2013	250	0.697090	0.261544	5.686858
## 2014	25	2.592204	1.633135	29.433172
## 2015	125	0.079568	0.027475	1.289672
## 2016	25	0.593821	0.893722	7.519191
## 2017	97	2.157486	1.210439	8.163870
## 2018	90	1.213933	1.904779	7.979492
## 2019	42	9.701338	18.406553	6.475696
## 2020	60	1.214396	0.927294	13.628119
## 2021	63	7.584796	18.138985	7.841424
## 2022	50	4.107873	7.241115	17.817635
## 2023	76	0.097899	0.328201	1.948177
## 2024	43	1.976822	0.865024	17.586473
## 2025	80	0.795185	0.867702	5.824692
## 2026	54	0.858785	1.189744	3.615660
## 2027	32	1.528690	0.966426	8.337291
## 2028	189	2.722056	2.043046	11.051346
## 2029	96	0.831389	0.381413	3.385429
## 2030	43	1.942668	0.710689	5.020786
## 2031	63	2.468836	1.352913	20.246876
## 2032	70	0.663069	0.845778	4.700867
## 2033	30	1.404353	0.873460	9.085158
## 2034	33	0.776223	0.406959	3.888530
## 2035	28	1.116347	0.557481	6.327427
## 2036	25	3.059330	1.627629	13.985573
## 2037	38	1.135002	0.707819	4.553109
## 2038	25	2.447819	2.156398	13.060814
## 2039	25	1.189351	1.983505	14.321151
## 2040	44	1.045212	0.442484	11.210843
## 2041	34	0.721802	0.394844	4.427767
## 2042	90	0.162932	0.215463	1.853424
## 2043	56	0.804284	0.367762	4.793345
## 2044	33	2.040599	2.939020	19.859074
## 2045	25	0.813714	0.428949	3.204370
## 2046	31	2.622673	1.105480	9.138339
## 2047	44	2.535732	3.745537	8.726554
## 2048	45	2.959796	2.658525	14.130825
## 2049	26	1.700431	0.810321	6.990290
## 2050	26	0.955485	0.485516	3.830431
## 2051	71	2.155263	1.444107	13.316455
## 2052	25	0.546559	0.368338	2.454504

## 2053	27	2.810208	1.519679	6.458272
## 2054	36	4.439810	1.937600	12.468647
## 2055	43	1.781065	0.756179	6.344661
## 2056	183	1.001745	0.766836	4.321971
## 2057	80	0.494292	1.213975	4.144866
## 2058	46	0.109318	0.375242	1.004758
## 2059	25	4.436198	2.593722	28.384905
## 2060	44	5.326471	1.980267	18.557270
## 2061	40	0.962746	0.555901	6.425385
## 2062	44	8.551598	3.828239	27.727736
## 2063	88	1.841686	4.027906	8.503669
## 2064	73	4.248737	2.427459	17.562773
## 2065	33	1.125102	0.777526	11.593810
## 2066	99	0.777063	0.334646	7.936913
## 2067	44	1.304116	0.628738	4.112548
## 2068	53	0.247982	0.196869	2.711140
## 2069	87	2.188955	1.100346	10.453750
## 2070	41	2.921967	1.496700	14.658941
## 2071	92	0.762938	0.379004	5.595521
## 2072	28	7.036768	3.185510	30.846111
## 2073	45	0.881028	0.544624	8.017768
## 2074	61	0.934887	0.721686	5.212945
## 2075	51	1.663577	1.915263	7.514314
## 2076	45	4.293467	2.150750	11.149978
## 2077	69	4.518682	1.624703	16.975883
## 2078	49	1.000695	0.396525	4.404251
## 2079	25	4.780627	2.173115	21.032314
## 2080	32	9.527324	4.224122	23.118961
## 2081	58	7.460418	3.247657	19.920059
## 2082	49	3.989858	2.164997	10.282042
## 2083	56	6.586314	4.085185	23.846148
## 2084	41	3.351449	1.485198	12.504230
## 2085	98	7.916103	5.264157	11.803308
## 2086	25	0.166635	0.569054	2.258587
## 2087	115	7.824043	2.455548	20.980682
## 2088	188	2.913383	3.606139	9.662837
## 2089	151	0.511515	0.147762	2.776474
## 2090	227	0.363778	0.698865	3.590167
## 2091	645	0.752900	0.597898	3.483793
## 2092	73	1.993947	0.819145	9.086894
## 2093	25	2.992307	1.959709	16.209000
## 2094	548	0.541970	0.593449	3.651181
## 2095	250	0.433264	0.359635	3.355163
## 2096	364	0.139169	0.234493	2.512808
## 2097	626	0.237241	0.119947	2.651912
## 2098	272	0.580646	0.355995	3.428857
## 2099	692	0.271042	0.165696	2.589444
## 2100	119	0.350811	0.109577	3.323022
## 2101	148	0.581055	0.119045	3.175459
## 2102	37	0.362562	0.288175	3.996319
## 2103	495	0.034092	0.173194	2.589161
## 2104	288	0.439384	0.328191	3.335189
## 2105	54	0.550966	0.379289	3.762077
## 2106	204	0.658429	0.397404	3.335404

## 2107	552	0.422344	0.255182	2.923264
## 2108	895	1.052174	1.891639	4.279843
## 2109	25	2.985035	1.788985	15.731297
## 2110	322	0.525287	0.844776	3.770741
## 2111	751	0.388539	0.284703	2.409790
## 2112	410	0.067311	0.313635	1.537534
## 2113	1176	0.332656	0.163250	2.241163
## 2114	486	0.411529	0.179591	2.652268
## 2115	678	0.330654	0.181594	2.245834
## 2116	52	1.868814	0.821524	6.564077
## 2117	36	2.775871	1.199211	10.874981
## 2118	26	3.134700	1.421991	13.509113
## 2119	93	4.318365	2.247657	12.499994
## 2120	34	2.378197	1.021161	12.357833
## 2121	37	2.337142	0.879674	10.504739
## 2122	65	3.034995	1.170070	9.270851
## 2123	390	0.336948	0.154588	2.319601
## 2124	65	0.710461	0.368069	3.275565
## 2125	85	1.322712	0.740104	5.165733
## 2126	232	1.200729	0.427277	6.360524
## 2127	84	1.707780	0.896966	8.763540
## 2128	90	0.986531	1.256250	9.487388
## 2129	42	11.650067	22.286907	8.800942
## 2130	62	1.009912	1.202993	12.775235
## 2131	61	7.696970	18.294601	5.974256
## 2132	217	0.324346	0.849487	3.572973
## 2133	260	0.237641	0.080969	1.947263
## 2134	96	0.425715	0.255722	2.517631
## 2135	63	0.406197	0.173754	1.971284
## 2136	100	0.127318	0.166433	1.847311
## 2137	114	2.848977	1.201086	10.116253
## 2138	129	1.825007	1.212394	9.599022
## 2139	81	0.811497	0.517952	3.464963
## 2140	48	0.060441	0.020109	0.927482
## 2141	135	0.469728	0.539802	2.734016
## 2142	29	4.260593	5.081286	21.356709
## 2143	159	0.987801	1.032480	3.845816
## 2144	27	1.478027	0.973799	13.316667
## 2145	27	1.130766	1.037800	5.805067
## 2146	35	1.946952	2.599663	20.538029
## 2147	25	0.633627	0.458377	7.431622
## 2148	27	0.476310	0.201157	1.671855
## 2149	26	0.175675	0.079648	1.654639
## 2150	29	0.836720	0.420662	6.099517
## 2151	25	5.638906	2.591707	9.495418
## 2152	25	4.746581	2.448715	33.747452
## 2153	41	7.560223	2.613287	22.661434
## 2154	38	2.237510	1.116908	11.459405
## 2155	25	0.682215	0.370309	9.257299
## 2156	25	1.312719	0.818198	7.178088
## 2157	38	1.346112	0.854825	6.600036
## 2158	135	0.518337	1.033004	2.729238
## 2159	90	4.280183	0.963204	8.269998
## 2160	95	0.043536	0.040046	1.241278

## 2161	29	0.016082	0.012581	1.527912
## 2162	105	1.001406	0.690001	3.429192
## 2163	114	0.446262	0.576616	2.949521
## 2164	59	0.066417	0.326074	1.970823
## 2165	96	2.751851	1.731560	7.145457
## 2166	25	0.126937	0.419510	3.069386
## 2167	88	0.178801	0.088867	1.853864
## 2168	25	0.142127	0.175896	3.297653
## 2169	75	0.201762	0.297483	5.612033
## 2170	72	6.734895	2.058064	14.200910
## 2171	29	0.640807	0.420410	3.038797
## 2172	47	0.479567	0.283546	3.188171
## 2173	49	0.125794	0.195051	1.913862
## 2174	78	0.577002	0.339126	3.056221
## 2175	167	4.940226	4.169351	12.353430
## 2176	58	11.538826	5.448864	22.462700
## 2177	96	4.184269	2.099283	10.945007
## 2178	73	2.807722	1.293694	11.653479
## 2179	25	0.634691	1.495093	11.635943
## 2180	104	7.918165	2.805701	21.328861
## 2181	195	2.536955	3.229536	8.903066
## 2182	308	2.307262	1.210273	8.069066
## 2183	399	2.659142	2.285652	8.289001
## 2184	53	1.195620	0.654179	6.227014
## 2185	146	1.129074	0.509862	6.046259
## 2186	256	4.713105	2.346030	11.601806
## 2187	262	3.788194	0.873189	10.404078
## 2188	231	0.695036	0.285844	3.028806
## 2189	261	0.313846	0.559890	4.193440
## 2190	203	0.648116	0.661739	3.755828
## 2191	147	4.703693	2.480142	13.640187
## 2192	121	1.604957	0.832098	6.788598
## 2193	65	0.595714	0.395275	4.113323
## 2194	89	3.843404	2.511318	13.540331
## 2195	31	2.268956	1.226828	7.857522
## 2196	287	0.710943	0.328913	3.052407
## 2197	195	7.588531	3.185602	22.431410
## 2198	319	0.628654	0.656076	2.935186
## 2199	106	0.130491	0.114914	2.261952
## 2200	154	0.056198	0.157843	2.485294
## 2201	322	0.121314	0.115972	1.770793
## 2202	237	0.465234	0.327982	3.194613
## 2203	128	0.525860	0.308724	4.269806
## 2204	106	0.341823	0.399561	2.887859
## 2205	120	0.386375	0.428779	3.321055
## 2206	112	0.459876	0.308380	3.518024
## 2207	113	0.458957	0.198361	3.511538
## 2208	74	0.764551	0.831351	4.951141
## 2209	194	0.405523	1.350325	2.794760
## 2210	37	0.490155	0.406743	3.512254
## 2211	25	2.870236	1.678123	34.585602
## 2212	69	0.109590	0.149485	2.872052
## 2213	150	1.763289	0.474865	11.062345
## 2214	163	6.689344	3.131779	18.576860

## 2215	25	3.274842	6.371369	25.429930
## 2216	55	1.611108	1.580898	8.032290
## 2217	44	2.980448	3.449623	18.535639
## 2218	26	1.016780	0.837662	4.715680
## 2219	71	1.988393	1.454831	11.319589
## 2220	48	0.656225	1.329457	4.911164
## 2221	27	1.562462	1.361199	16.040007
## 2222	25	2.146441	3.139392	13.406792
## 2223	59	3.294651	2.746586	10.526297
## 2224	269	0.736523	1.117756	4.310588
## 2225	237	0.200373	0.335692	1.657618
## 2226	247	0.519587	0.372042	3.391788
## 2227	361	0.311150	0.469565	1.740586
## 2228	54	5.671946	5.612991	31.213198
## 2229	43	5.345246	4.327359	14.315845
## 2230	30	4.239428	3.818628	11.293821
## 2231	25	2.729488	1.880046	25.432829
## 2232	66	2.255483	4.261725	9.197981
## 2233	25	2.901559	1.461222	32.071732
## 2234	74	1.362915	1.221200	6.467137
## 2235	74	1.590558	1.523386	6.245324
## 2236	72	2.066921	3.747338	5.740376
## 2237	68	6.745525	3.414408	13.502008
## 2238	128	7.966401	2.657683	21.385324
## 2239	82	5.862384	2.136872	17.642311
## 2240	49	2.195023	2.663205	10.301842
## 2241	65	5.831425	3.106776	18.031425
## 2242	79	3.197285	1.537339	9.520303
## 2243	25	3.388166	2.684242	14.301767
## 2244	155	4.464276	2.270147	12.972347
## 2245	25	2.897830	2.569522	7.994592
## 2246	29	5.397870	4.128098	13.065652
## 2247	67	5.694307	3.764742	15.167775
## 2248	25	4.873774	2.423364	14.325852
## 2249	50	8.277648	3.795424	23.206221
## 2250	72	1.911012	1.057536	12.765746
## 2251	102	2.140815	4.393747	3.344337
## 2252	25	5.467461	5.071139	49.699650
## 2253	32	2.570532	1.812905	11.825905
## 2254	25	5.942546	3.187340	20.580395
## 2255	41	5.381267	2.368475	19.012463
## 2256	25	1.488975	0.860503	6.338529
## 2257	44	3.736775	2.596836	10.321703
## 2258	51	0.527757	1.573133	8.015510
## 2259	58	2.582466	3.666784	11.952551
## 2260	88	0.860901	0.568059	5.670651
## 2261	54	0.459159	0.589085	3.079688
## 2262	64	3.023256	2.875053	12.661899
## 2263	62	3.836819	2.908426	6.852379
## 2264	59	1.834106	0.641639	9.639627
## 2265	33	2.107839	0.796149	6.807614
## 2266	62	0.355218	0.248281	1.797625
## 2267	90	1.038393	0.305128	5.202708
## 2268	72	2.454137	0.927051	17.345243

## 2269	98	2.378228	0.878138	13.444754
## 2270	53	6.392187	4.167759	17.917751
## 2271	34	2.624506	3.142925	13.575788
## 2272	25	2.509612	1.783692	11.949071
## 2273	25	2.079726	1.113165	7.214610
## 2274	58	1.898398	2.688776	10.493625
## 2275	38	1.816392	3.008765	6.306210
## 2276	29	1.328155	2.488694	7.562736
## 2277	32	2.356784	2.599988	14.424363
## 2278	32	0.782940	1.924424	7.407117
## 2279	41	3.400774	2.127321	10.721764
## 2280	31	2.141653	2.409682	10.621434
## 2281	30	3.258991	1.823286	24.618587
## 2282	25	1.976913	1.720270	13.688398
## 2283	37	0.941204	1.599952	7.867589
## 2284	25	9.116568	12.817868	28.250389
## 2285	44	1.280707	1.779074	11.742759
## 2286	38	2.404466	2.286346	12.680077
## 2287	134	0.100467	0.499896	1.697847
## 2288	61	0.926571	0.987899	11.954855
## 2289	60	7.996358	19.510349	5.389048
## 2290	25	2.219347	3.798532	23.708008
## 2291	26	6.631770	3.012113	20.791805
## 2292	49	8.166036	3.654309	26.309677
## 2293	41	5.823308	2.326418	21.357470
## 2294	113	4.784219	2.414903	14.765411
## 2295	125	4.598771	3.424076	15.128000
## 2296	165	0.413685	0.128085	2.552252
## 2297	182	0.429162	0.093967	2.865821
## 2298	209	0.332309	0.084142	2.299465
## 2299	269	3.901612	1.527416	10.850998
## 2300	93	1.059366	0.409306	7.022833
## 2301	364	2.528766	1.155371	9.715179
## 2302	217	1.191320	1.195131	9.636646
## 2303	152	0.063072	0.041873	2.003555
## 2304	73	0.119181	0.086206	2.040067
## 2305	409	0.465757	0.352125	3.568976
## 2306	26	0.162430	0.501561	5.658941
## 2307	100	0.354087	0.287325	5.493063
## 2308	66	0.379901	0.918579	4.789318
## 2309	132	0.554578	0.330028	5.614606
## 2310	103	0.196338	0.368204	2.584469
## 2311	185	0.693971	1.034792	5.741805
## 2312	69	0.301589	0.460325	2.447354
## 2313	59	0.829800	0.680934	10.232594
## 2314	25	1.206796	0.769647	20.379734
## 2315	70	0.762914	1.019223	8.316949
## 2316	39	1.453601	1.041211	8.238368
## 2317	25	4.623755	2.440708	25.840715
## 2318	87	1.456816	1.457131	5.822551
## 2319	71	2.476547	0.784620	7.465183
## 2320	82	3.215473	1.727604	12.616857
## 2321	46	0.905048	0.604169	6.374146
## 2322	33	0.894491	0.401600	3.087858

## 2323	38	1.885645	1.814275	11.019521
## 2324	59	1.404477	0.631687	5.776295
## 2325	66	4.141975	1.669905	14.787876
## 2326	94	2.061337	1.887133	7.174706
## 2327	75	3.544446	1.260689	26.728600
## 2328	38	0.539149	0.276156	5.400119
## 2329	29	0.331099	0.166406	4.098872
## 2330	104	1.339370	0.660758	7.237181
## 2331	169	0.350992	0.365243	5.258327
## 2332	132	1.007593	1.243428	5.442528
## 2333	61	3.373402	1.121229	16.760780
## 2334	62	3.620845	2.067118	11.387850
## 2335	56	3.306328	1.167288	8.492794
## 2336	34	5.606746	2.664679	31.834854
## 2337	36	3.816285	2.373845	22.704657
## 2338	25	0.200616	0.161939	5.880217
## 2339	89	0.605387	0.139674	3.295678
## 2340	35	0.225998	0.242320	6.663805
## 2341	42	0.206415	0.221400	6.004701
## 2342	28	3.302592	2.707694	17.467264
## 2343	159	0.938642	1.014622	3.578463
## 2344	26	1.534675	1.061202	12.699264
## 2345	28	0.959104	0.930867	5.138879
## 2346	35	1.881858	2.331023	20.346827
## 2347	25	0.612642	0.547026	7.524259
## 2348	27	0.487158	0.206417	1.867739
## 2349	26	0.179875	0.082284	1.314698
## 2350	29	0.824423	0.436623	5.933731
## 2351	25	5.462543	2.556928	8.445924
## 2352	25	4.873128	2.504137	33.461540
## 2353	41	7.433355	2.556012	21.664585
## 2354	38	2.042921	0.935212	10.854100
## 2355	25	0.722097	0.401160	9.066552
## 2356	25	1.381650	0.815941	7.028645
## 2357	40	1.340815	0.866104	6.382365
## 2358	134	0.476281	0.946088	2.595639
## 2359	32	6.664282	7.009017	38.143051
## 2360	25	2.078094	1.675949	11.371530
## 2361	39	5.181342	2.535066	18.540800
## 2362	25	5.351449	2.779996	12.238903
## 2363	25	1.450320	1.242152	5.891292
## 2364	43	3.299086	2.194563	8.783000
## 2365	51	0.484213	1.596307	7.588384
## 2366	212	0.195338	0.146499	1.554049
## 2367	260	0.235069	0.090761	1.950533
## 2368	97	0.397283	0.231133	2.462752
## 2369	63	0.405515	0.176500	1.829264
## 2370	100	0.111138	0.054237	1.682736
## 2371	113	2.894193	1.253935	10.008876
## 2372	130	1.796631	1.249816	9.219247
## 2373	80	0.777078	0.390059	2.924543
## 2374	49	0.071699	0.082052	1.257040
## 2375	131	0.393680	0.145021	2.193998
## 2376	26	0.133924	0.543214	2.379695

## 2377	33	3.098587	1.960103	22.139793
## 2378	62	1.406348	1.044995	10.498549
## 2379	178	3.553969	1.490849	11.708961
## 2380	123	3.539328	2.038393	11.794405
## 2381	113	1.728016	0.908409	7.332991
## 2382	405	3.558804	2.392783	10.303279
## 2383	79	0.208114	0.116454	1.431908
## 2384	1624	0.330859	1.364389	2.126674
## 2385	362	0.670440	0.414236	4.449340
## 2386	101	0.081729	0.054450	1.773152
## 2387	77	2.413531	1.355709	8.792731
## 2388	153	0.548452	0.250453	3.373363
## 2389	37	4.674584	2.083204	12.613364
## 2390	25	2.540150	1.312925	25.724878
## 2391	25	10.832266	9.142209	20.788433
## 2392	126	0.547508	0.578991	3.573904
## 2393	475	0.366739	0.355779	2.629532
## 2394	389	0.725152	0.488688	4.518487
## 2395	462	0.535508	0.312311	2.869254
## 2396	799	0.196655	0.287138	1.487260
## 2397	44	1.420691	1.709247	20.171360
## 2398	113	0.492903	0.163163	2.540516
## 2399	218	0.942773	0.564296	3.443372
## 2400	849	0.209568	0.359678	1.334636
## 2401	134	0.831168	0.293938	3.784005
## 2402	331	0.975424	0.597473	5.240077
## 2403	39	6.405004	12.449394	24.002907
## 2404	32	1.663770	1.078281	7.874647
## 2405	25	2.404024	1.182757	8.885787
## 2406	25	2.693317	1.522756	14.254214
## 2407	44	1.701903	0.951082	5.886467
## 2408	79	1.301096	1.293532	6.582254
## 2409	25	3.288876	1.564323	9.503028
## 2410	41	1.423420	1.784472	8.994328
## 2411	44	4.041754	2.049304	16.560705
## 2412	40	1.634003	0.727099	7.893537
## 2413	32	2.277373	0.996577	9.192046
## 2414	36	8.532305	4.031030	21.420225
## 2415	106	1.420671	1.398711	8.907422
## 2416	122	1.248765	1.197958	7.559245
## 2417	83	0.076665	0.023837	0.604357
## 2418	46	0.993005	2.750608	5.276897
## 2419	36	6.665873	2.937775	11.992043
## 2420	30	3.815598	1.573901	10.336034
## 2421	31	0.074270	0.060964	1.561434
## 2422	39	2.683624	1.393670	8.713992
## 2423	30	3.114443	1.352009	12.220876
## 2424	34	1.788429	1.345170	7.543277
## 2425	30	0.112419	0.171682	2.322025
## 2426	44	5.962706	2.726011	17.178545
## 2427	25	3.071675	1.386295	15.369061
## 2428	57	0.481366	0.228075	1.764955
## 2429	46	5.269201	3.026387	13.627501
## 2430	25	4.431430	2.098418	26.266384

## 2431	32	1.704648	1.584231	8.767513
## 2432	38	1.342096	0.564832	6.569714
## 2433	52	2.202082	1.559395	8.024710
## 2434	45	4.830101	1.931263	9.766464
## 2435	63	0.343785	0.228418	2.383209
## 2436	30	0.174418	0.675719	1.950850
## 2437	25	6.087876	3.445753	31.354197
## 2438	25	9.141716	4.994382	21.081743
## 2439	43	4.544977	4.076057	14.500189
## 2440	25	2.910922	2.029537	16.682404
## 2441	25	4.499249	3.476104	21.569380
## 2442	97	2.634748	4.009263	9.269186
## 2443	219	0.623171	0.851607	4.205273
## 2444	133	6.070674	1.710712	19.521318
## 2445	45	0.791988	0.278518	4.611310
## 2446	66	1.543073	0.588995	6.408899
## 2447	68	3.067938	1.051492	7.948979
## 2448	71	2.095663	0.670710	8.820716
## 2449	111	0.379892	0.338866	2.586545
## 2450	95	4.890411	2.422839	11.127152
## 2451	79	2.930797	1.497693	11.297935
## 2452	43	0.467813	0.233298	4.037656
## 2453	106	5.555051	2.201247	18.768843
## 2454	178	1.121677	0.245108	4.869689
## 2455	25	0.893879	0.405236	15.179281
## 2456	27	0.458028	0.724643	14.649190
## 2457	25	3.899166	1.839617	21.165491
## 2458	58	1.337519	0.999837	9.499265
## 2459	218	0.523117	0.699661	3.396759
## 2460	472	0.400655	0.365333	1.979756
## 2461	877	0.507501	0.241486	2.487703
## 2462	313	0.372499	0.306337	2.206062
## 2463	602	0.132593	0.219295	2.082374
## 2464	454	1.621803	1.501364	7.339590
## 2465	58	0.511733	0.734972	6.517914
## 2466	40	0.226461	0.184739	2.090138
## 2467	25	1.244256	2.282829	19.426464
## 2468	74	1.661326	1.728698	12.436456
## 2469	272	1.108678	1.113490	6.913022
## 2470	548	0.736896	0.887942	3.339846
## 2471	1800	0.405100	0.249638	2.186434
## 2472	146	0.257186	0.131189	2.293871
## 2473	180	4.587895	2.626318	10.198459
## 2474	428	0.734976	0.503412	3.926579
## 2475	28	4.839242	5.787276	31.295431
## 2476	57	1.532920	1.196489	12.411420
## 2477	62	7.727986	18.656387	6.443583
## 2478	36	3.929545	3.077486	24.652498
## 2479	34	2.136740	2.455757	29.680256
## 2480	64	2.247310	3.128661	15.917876
## 2481	25	3.411976	1.905869	19.521574
## 2482	28	0.455414	0.586830	2.896525
## 2483	25	0.750368	0.667640	10.660269
## 2484	81	2.691683	1.692864	11.529444

## 2485	52	0.719401	1.645390	6.735745
## 2486	28	3.174601	1.328589	8.594174
## 2487	55	1.799097	2.330502	11.753441
## 2488	36	1.842620	0.972085	5.850173
## 2489	136	2.634696	2.349898	8.412582
## 2490	140	1.295012	1.479728	6.574642
## 2491	25	2.218036	1.415652	23.468468
## 2492	25	2.841836	2.120844	23.411386
## 2493	25	2.660822	2.381414	14.830094
## 2494	89	0.655340	0.235377	3.381024
## 2495	43	5.090592	1.715675	13.507754
## 2496	89	0.931204	0.287909	3.984627
## 2497	84	3.360512	1.684550	8.944818
## 2498	82	2.338580	1.068127	16.175161
## 2499	30	1.410242	0.742616	13.072606
## 2500	225	3.625742	4.209867	13.841768
## 2501	25	1.412248	1.469028	20.608522
## 2502	263	0.646583	0.705146	3.231197
## 2503	239	0.192394	0.316948	1.593596
## 2504	247	0.514152	0.342707	3.299023
## 2505	360	0.287110	0.425832	1.645700
## 2506	29	3.220617	2.468200	27.642706
## 2507	47	5.077461	1.830693	18.566151
## 2508	40	0.939600	0.596380	6.121276
## 2509	44	7.867354	3.422125	24.919489
## 2510	88	1.638911	3.286088	8.268417
## 2511	63	3.244731	5.631660	15.121862
## 2512	88	0.787358	0.528080	4.792826
## 2513	54	0.460105	0.619429	3.011096
## 2514	64	2.692349	2.598365	11.108851
## 2515	62	2.031567	1.906249	3.147592
## 2516	59	1.752988	0.621807	8.655527
## 2517	33	2.044943	0.776155	6.015034
## 2518	62	0.253464	0.149692	1.364128
## 2519	90	0.871579	0.270977	3.658545
## 2520	71	2.447997	0.927444	17.134909
## 2521	99	2.436702	0.911189	13.867272
## 2522	28	3.710794	1.631484	12.531116
## 2523	25	6.757947	3.336956	28.179651
## 2524	46	1.128357	0.736578	6.335805
## 2525	75	0.255983	0.197286	1.825035
## 2526	55	2.079082	0.885081	5.832146
## 2527	28	3.021569	1.497896	6.895775
## 2528	25	1.404194	0.649305	4.747835
## 2529	120	1.990757	0.737497	7.795052
## 2530	61	0.484493	0.464471	2.191949
## 2531	33	0.000803	0.002865	0.207687
## 2532	25	0.804754	0.755682	3.701397
## 2533	25	0.419532	1.390627	3.958406
## 2534	25	9.241348	4.598148	15.361693
## 2535	93	0.351974	0.184221	2.960798
## 2536	68	2.612646	2.376344	9.546116
## 2537	82	0.941117	1.222023	9.210938
## 2538	41	11.110957	21.096287	6.465858

## 2539	25	0.495717	1.249015	6.541461
## 2540	569	0.715168	1.164153	4.075287
## 2541	263	1.758553	0.334253	6.915891
## 2542	25	1.844719	1.621288	20.814852
## 2543	66	0.238191	0.261527	1.555095
## 2544	344	1.260458	1.686718	6.394168
## 2545	287	0.537346	1.119666	4.143865
## 2546	179	5.007030	2.015095	16.436489
## 2547	194	0.669223	0.608325	4.585431
## 2548	109	1.354231	0.654498	10.083488
## 2549	25	0.467266	0.453196	6.104054
## 2550	103	0.117227	0.102751	1.555473
## 2551	298	1.287475	0.966839	4.054283
## 2552	234	4.578648	2.199707	13.273555
## 2553	111	2.378540	1.461651	13.333052
## 2554	97	2.059881	1.155120	7.082364
## 2555	258	2.451574	1.474529	7.351324
## 2556	339	1.665642	0.845155	5.802100
## 2557	419	0.733051	0.409127	4.355210
## 2558	107	1.772554	0.799612	5.463904
## 2559	81	0.874256	0.624123	9.705453
## 2560	172	0.647072	0.570352	2.998792
## 2561	25	2.932693	3.553010	27.909412
## 2562	50	1.130843	1.103137	8.693857
## 2563	25	5.270331	4.094558	28.965565
## 2564	25	1.128749	0.917754	13.585287
## 2565	42	0.710232	0.674905	4.910395
## 2566	57	2.446288	1.021917	10.887295
## 2567	46	4.736755	2.095751	15.135051
## 2568	109	1.196994	0.813665	6.998159
## 2569	62	0.979026	1.363682	9.693948
## 2570	99	1.993299	2.029806	12.456534
## 2571	98	2.620047	0.824210	10.052615
## 2572	96	8.379624	3.958386	20.153841
## 2573	25	5.932732	8.644396	33.905582
## 2574	214	0.504033	1.134453	6.410065
## 2575	152	1.535765	0.957669	8.921708
## 2576	339	0.267902	0.431827	2.102383
## 2577	110	0.378425	0.256291	1.932648
## 2578	94	0.414990	0.313169	1.431481
## 2579	30	0.456142	0.257479	1.710055
## 2580	70	0.252798	0.239976	2.730528
## 2581	82	1.317980	0.522324	8.530479
## 2582	56	0.435848	0.416462	6.035202
## 2583	266	2.161978	2.607828	5.710510
## 2584	69	1.276659	0.414948	6.303471
## 2585	379	3.787381	4.131268	9.779880
## 2586	98	4.204868	1.943494	12.539148
## 2587	51	2.129711	0.922087	7.395956
## 2588	801	0.284535	0.289512	1.895409
## 2589	917	1.329112	0.688532	3.950002
## 2590	496	0.469405	0.274176	2.217134
## 2591	443	0.335480	0.168807	2.379379
## 2592	150	0.770694	0.480474	4.516570

## 2593	165	0.288805	0.178261	2.455205
## 2594	46	2.118412	2.020199	18.342178
## 2595	25	2.393371	1.196720	8.736912
## 2596	25	2.766682	1.649101	14.649374
## 2597	44	1.718562	0.967519	6.011470
## 2598	79	1.335472	1.262671	6.566246
## 2599	25	3.125242	1.474854	9.454789
## 2600	40	1.388092	1.765873	8.702208
## 2601	25	4.621306	2.154744	19.186077
## 2602	59	2.527671	1.963111	12.453849
## 2603	33	2.320562	1.003721	10.012919
## 2604	36	8.059597	3.996994	21.277699
## 2605	106	1.455571	1.677767	8.981178
## 2606	121	1.226002	1.131600	7.107277
## 2607	84	0.123358	0.378190	0.994985
## 2608	52	3.625082	1.455400	10.642144
## 2609	74	3.756504	1.117376	12.428800
## 2610	32	0.779967	0.540380	10.943711
## 2611	41	3.812770	1.456156	11.171789
## 2612	45	1.759379	0.966501	8.672538
## 2613	80	1.668691	0.754203	7.609711
## 2614	53	5.510038	1.936699	15.853240
## 2615	60	2.948179	1.063989	12.362010
## 2616	32	4.602694	2.169263	22.849173
## 2617	26	0.491116	0.640040	3.987123
## 2618	102	1.997877	1.401227	10.919491
## 2619	85	3.696758	4.301493	12.675477
## 2620	55	0.254211	0.474311	1.841219
## 2621	25	5.732300	5.739510	45.610573
## 2622	31	2.374942	1.675468	11.092016
## 2623	25	5.880411	3.206544	19.269678
## 2624	41	4.949345	2.180864	17.105404
## 2625	25	1.229074	0.734072	5.264936
## 2626	44	3.193983	2.187972	8.572513
## 2627	51	0.508326	1.550971	7.639033
## 2628	214	0.252944	0.543317	2.372576
## 2629	261	0.242224	0.152482	2.034667
## 2630	96	0.386045	0.211953	2.214788
## 2631	63	0.405615	0.175282	1.935166
## 2632	100	0.110834	0.060820	1.623863
## 2633	114	2.866823	1.235266	10.069178
## 2634	129	1.794219	1.242327	9.133826
## 2635	81	0.820893	0.506266	3.390447
## 2636	48	0.057785	0.019919	0.913368
## 2637	135	0.420709	0.401483	2.374907
## 2638	91	4.216653	0.993010	8.669150
## 2639	95	0.046247	0.054357	1.197446
## 2640	30	0.028848	0.048116	1.906911
## 2641	105	0.961759	0.653014	3.101312
## 2642	114	0.333541	0.364212	1.927267
## 2643	58	0.030446	0.052202	1.543057
## 2644	97	2.599709	1.624968	6.446969
## 2645	25	0.333484	1.555535	2.995020
## 2646	87	0.194929	0.102277	1.678302

## 2647	25	0.172357	0.201104	3.655624
## 2648	37	0.102900	0.179666	2.833195
## 2649	32	2.968814	2.086142	20.444975
## 2650	63	1.603883	1.064091	11.154498
## 2651	700	0.755869	0.533773	4.573668
## 2652	29	0.182023	0.457043	3.038772
## 2653	25	0.227771	0.131102	2.853604
## 2654	37	0.502828	0.814118	3.442521
## 2655	68	0.202699	0.163948	2.020846
## 2656	210	0.273213	0.445214	2.442278
## 2657	36	0.210406	0.142625	2.450377
## 2658	41	0.173100	0.142131	2.302399
## 2659	178	0.310777	0.248675	2.691581
## 2660	39	0.248622	0.213578	4.086040
## 2661	34	0.197244	0.177246	3.048539
## 2662	36	0.292402	0.225462	3.694696
## 2663	54	0.709221	0.498172	4.458519
## 2664	569	0.639941	0.423429	4.035587
## 2665	1048	0.265641	0.503084	2.263202
## 2666	106	0.484032	0.260408	2.766777
## 2667	344	0.268860	0.178393	1.654037
## 2668	60	0.174075	0.123094	1.592529
## 2669	553	0.296225	0.275630	1.880280
## 2670	112	0.136072	0.095934	1.583702
## 2671	605	0.447796	0.211134	2.257918
## 2672	229	0.802193	0.531294	4.775460
## 2673	1281	0.432564	0.246921	2.218630
## 2674	191	0.529700	0.489013	3.963738
## 2675	554	0.008072	0.072884	1.269242
## 2676	1133	0.374647	0.242823	1.834815
## 2677	456	0.021784	0.086543	1.908814
## 2678	114	0.442703	0.089177	2.901276
## 2679	149	0.636780	0.160320	3.595487
## 2680	150	0.450537	0.243068	2.516040
## 2681	149	0.178262	0.103908	1.997124
## 2682	150	0.563150	0.191359	2.840724
## 2683	60	0.524808	0.227048	3.487602
## 2684	91	1.659451	0.467971	6.291581
## 2685	36	5.834730	3.469783	14.434182
## 2686	249	4.269500	1.886150	12.706748
## 2687	63	2.668645	1.911291	9.492065
## 2688	1339	0.606292	0.321388	2.572541
## 2689	263	0.003751	0.010430	1.522005
## 2690	65	1.129778	0.627862	6.401554
## 2691	114	0.156096	0.117766	2.083259
## 2692	89	1.021259	0.458300	3.647093
## 2693	77	0.303653	0.159030	3.134243
## 2694	99	0.680255	0.865186	6.259881
## 2695	28	0.044830	0.032491	0.997873
## 2696	69	0.280857	0.580144	4.783362
## 2697	28	0.327896	0.194810	4.487473
## 2698	96	0.478960	0.223619	3.717627
## 2699	53	1.536490	0.725151	6.398827
## 2700	78	0.847913	0.452578	7.738036

## 2701	30	0.334152	0.253462	2.992071
## 2702	63	0.838436	0.383948	4.959071
## 2703	261	0.561800	0.369371	2.133664
## 2704	28	0.157940	0.170270	2.580927
## 2705	57	0.778504	0.477672	4.040576
## 2706	90	0.056134	0.028642	1.456777
## 2707	49	0.181418	0.128421	3.150629
## 2708	55	2.363254	1.311628	13.338166
## 2709	78	1.964092	0.863843	7.277877
## 2710	172	1.480327	0.848077	7.049139
## 2711	55	2.636197	2.031505	9.340733
## 2712	133	1.975059	0.943934	6.831222
## 2713	161	3.893388	2.397113	11.846477
## 2714	89	5.366455	2.105845	22.091110
## 2715	129	4.348787	1.505157	11.837935
## 2716	311	5.739861	2.341144	19.448215
## 2717	296	1.755878	0.961990	8.244129
## 2718	25	0.380588	0.465652	3.904868
## 2719	51	1.086675	0.587964	3.841231
## 2720	114	0.143548	0.109295	2.038521
## 2721	89	1.000282	0.469689	3.569775
## 2722	77	0.242812	0.083622	3.000525
## 2723	99	0.702760	0.817681	6.367695
## 2724	28	0.048966	0.035648	0.937018
## 2725	69	0.393258	0.820819	4.939638
## 2726	28	0.389418	0.229221	4.449212
## 2727	59	0.464725	0.182210	4.398912
## 2728	36	0.368132	0.173778	1.804147
## 2729	52	1.892148	0.850677	6.619787
## 2730	62	1.109012	0.556590	8.788485
## 2731	552	0.338851	0.240181	1.874719
## 2732	273	6.618790	2.392483	21.182770
## 2733	30	4.760952	6.470449	27.734627
## 2734	25	6.909018	4.007113	32.469284
## 2735	25	9.349676	4.977322	20.393875
## 2736	25	6.711496	4.028672	20.265875
## 2737	40	2.539175	1.976753	13.078860
## 2738	26	4.096189	2.997777	15.912602
## 2739	99	2.815166	4.336879	10.697123
## 2740	67	0.373622	1.209380	5.444187
## 2741	72	6.503426	2.002406	13.049012
## 2742	29	0.626721	0.406350	2.975557
## 2743	47	0.481066	0.311897	2.803705
## 2744	49	0.110191	0.169935	1.383467
## 2745	78	0.561160	0.324587	2.897960
## 2746	167	4.889630	4.173042	11.634912
## 2747	59	11.324211	5.383494	22.073814
## 2748	95	4.115846	2.114899	10.338367
## 2749	73	2.838337	1.310951	11.716333
## 2750	223	0.650346	0.794576	5.431146
## 2751	133	6.112948	1.728560	19.674873
## 2752	45	0.821594	0.381398	4.700394
## 2753	66	1.583873	0.643818	6.722691
## 2754	68	3.065279	1.021338	8.158098

## 2755	72	2.115012	0.700267	8.980755
## 2756	111	0.350397	0.125841	2.408442
## 2757	94	4.943329	2.440965	10.909079
## 2758	80	2.969724	1.488323	11.382135
## 2759	42	0.458460	0.189555	3.662005
## 2760	107	5.569655	2.204757	18.882048
## 2761	177	1.111467	0.194544	4.744876
## 2762	25	0.905863	0.408443	14.846550
## 2763	42	0.033960	0.184655	0.074360
## 2764	278	0.948058	1.779193	5.865449
## 2765	323	0.387410	0.293024	1.971333
## 2766	110	0.184276	0.477393	2.858863
## 2767	76	2.515552	1.345841	9.022453
## 2768	154	0.617470	0.276778	3.622703
## 2769	37	4.830573	2.038731	12.818004
## 2770	25	2.824054	1.501294	26.581596
## 2771	25	10.567436	8.458458	20.701410
## 2772	126	0.546691	0.583171	3.381909
## 2773	468	0.354074	0.301532	2.535601
## 2774	565	0.764659	0.513262	4.414299
## 2775	706	0.119155	0.315832	1.440601
## 2776	552	0.396171	0.257933	2.001155
## 2777	74	0.379037	0.500682	3.591220
## 2778	44	3.156468	3.037740	25.843620
## 2779	28	3.051569	2.537943	22.701969
## 2780	119	2.772000	0.844202	13.147897
## 2781	111	5.429400	2.570984	15.079815
## 2782	101	5.167157	2.622916	15.565530
## 2783	78	2.787707	0.791564	8.665870
## 2784	56	1.631341	0.851534	7.152511
## 2785	62	2.393689	0.794748	9.765191
## 2786	193	2.648834	2.727275	8.996395
## 2787	285	0.402319	0.688412	2.504920
## 2788	77	2.251204	0.821213	14.581405
## 2789	118	2.760135	0.899812	12.897364
## 2790	170	3.885422	1.952738	16.000889
## 2791	115	0.491665	0.365590	2.893111
## 2792	59	5.225711	2.453930	17.119093
## 2793	129	1.720880	0.719818	5.798011
## 2794	56	5.819878	3.423492	15.172961
## 2795	25	1.869557	0.944229	24.403204
## 2796	59	2.328533	1.351272	15.502418
## 2797	515	4.301061	3.703486	13.309629
## 2798	110	6.275081	3.657260	23.634260
## 2799	38	4.865633	2.259184	13.866903
## 2800	73	8.057876	4.909376	25.859709
## 2801	57	7.556035	3.622397	22.827229
## 2802	88	1.760430	1.482936	9.767586
## 2803	131	0.227163	0.147282	3.009919
## 2804	60	3.633203	1.585339	10.906932
## 2805	695	1.257267	1.312858	5.076896
## 2806	241	0.807421	0.456472	4.677423
## 2807	174	1.490176	0.434602	7.043616
## 2808	170	1.183371	0.362895	6.269295

## 2809	281	1.008575	0.397584	4.444894
## 2810	212	1.835799	0.792267	6.733232
## 2811	263	3.851912	1.880263	10.897236
## 2812	63	0.255273	0.202039	3.803518
## 2813	141	0.639700	0.546353	4.537997
## 2814	37	1.900117	3.056842	5.304996
## 2815	204	0.126673	0.222939	0.941796
## 2816	25	6.080256	6.285990	48.860207
## 2817	30	3.012792	2.718869	14.201405
## 2818	43	4.116847	1.815936	10.493151
## 2819	25	1.023266	0.654010	3.620917
## 2820	26	4.406165	2.247029	22.530697
## 2821	27	2.920202	3.057742	7.052374
## 2822	35	1.642587	1.688998	11.875196
## 2823	82	2.697283	2.123374	10.739440
## 2824	25	3.143075	2.076896	22.891716
## 2825	69	0.647609	0.939123	3.280383
## 2826	253	0.651219	0.685222	3.606854
## 2827	249	0.306407	0.447992	1.847465
## 2828	251	0.187051	0.303161	1.749430
## 2829	360	0.388235	0.408650	1.976011
## 2830	28	3.056013	2.607532	27.006788
## 2831	48	5.003466	1.800353	18.481153
## 2832	39	0.876282	0.366198	5.437608
## 2833	45	7.992537	3.550111	25.116802
## 2834	87	1.706090	3.427531	8.049921
## 2835	42	1.844450	1.646765	11.738450
## 2836	25	0.376320	0.435320	2.826603
## 2837	25	0.364077	0.839530	4.454378
## 2838	42	0.687097	0.766827	5.895426
## 2839	44	0.124689	0.105159	1.975364
## 2840	34	0.606671	0.544903	3.095493
## 2841	29	4.437618	2.853207	17.120066
## 2842	53	0.405581	0.376314	2.778649
## 2843	80	1.811390	2.474409	10.575438
## 2844	57	1.270843	0.916464	4.967422
## 2845	40	2.225400	2.235637	13.189211
## 2846	47	0.555376	0.262015	2.471333
## 2847	44	0.210000	0.127769	2.339881
## 2848	74	0.780332	1.892119	3.174690
## 2849	73	3.113039	1.818504	15.143457
## 2850	30	0.345905	0.388703	11.425601
## 2851	35	3.990404	3.174576	23.958469
## 2852	34	2.069301	2.357255	29.480295
## 2853	64	1.888546	2.399079	15.685511
## 2854	25	3.326616	1.855865	19.105719
## 2855	27	0.430169	0.526485	2.858582
## 2856	25	0.651463	0.430804	9.068545
## 2857	82	2.772847	2.034637	11.879733
## 2858	52	0.576517	1.047545	6.988159
## 2859	28	3.300065	1.421329	8.931639
## 2860	55	1.718517	2.117520	11.700834
## 2861	36	1.848850	0.987269	5.740472
## 2862	136	2.631579	2.369167	8.395779

## 2863	139	1.274372	1.349110	6.501473
## 2864	80	1.166916	1.689644	9.413863
## 2865	40	11.269996	22.642866	6.516167
## 2866	44	0.038081	0.193288	0.140645
## 2867	441	0.746247	1.167642	5.018630
## 2868	387	3.137483	2.047616	8.510193
## 2869	96	2.099300	1.147046	6.839775
## 2870	172	2.479674	1.627956	6.833982
## 2871	73	2.983148	1.184320	9.401813
## 2872	60	7.791725	2.609231	17.334925
## 2873	77	1.822444	0.748380	4.821961
## 2874	93	1.250346	0.628516	3.869089
## 2875	100	1.297774	2.721545	5.885849
## 2876	39	0.177165	0.191618	1.783385
## 2877	480	1.000497	0.617565	4.861371
## 2878	238	0.875801	2.026997	5.523042
## 2879	25	7.216832	9.573902	31.850437
## 2880	94	0.966973	1.081868	9.113990
## 2881	25	1.233458	0.774249	19.639870
## 2882	98	0.383950	0.443541	4.287737
## 2883	124	0.644983	0.710329	6.610588
## 2884	96	1.096569	2.346901	10.023986
## 2885	25	0.241704	0.269574	3.818958
## 2886	25	5.610655	7.427232	28.676804
## 2887	178	1.530660	1.284294	7.967835
## 2888	231	0.645902	0.505324	3.520732
## 2889	316	0.662898	0.380758	3.037666
## 2890	426	0.365963	0.265365	2.252250
## 2891	81	0.464913	0.413573	5.809154
## 2892	36	0.606021	0.308867	6.804393
## 2893	106	2.492218	1.929087	10.494127
## 2894	79	3.040866	1.009591	11.144147
## 2895	83	1.199399	0.448458	8.551238
## 2896	275	0.446038	0.421102	2.949386
## 2897	72	1.178850	1.809365	4.880915
## 2898	192	0.214588	1.052527	1.989955
## 2899	229	0.440101	0.504038	3.204570
## 2900	198	0.302494	0.225169	3.882381
## 2901	28	3.916491	1.884305	21.452509
## 2902	81	5.969422	3.361260	15.474323
## 2903	25	2.925634	1.771260	28.341961
## 2904	82	2.263178	1.540145	13.278275
## 2905	298	0.310097	0.196270	2.335031
## 2906	181	7.640611	3.450559	23.513971
## 2907	68	6.139669	2.185787	17.206120
## 2908	68	0.550279	0.563006	4.192033
## 2909	59	0.417569	0.797911	4.532235
## 2910	62	0.630726	0.189919	2.517180
## 2911	67	2.834617	1.326228	8.501358
## 2912	97	0.778429	0.163991	3.000030
## 2913	167	1.453448	0.703464	5.707240
## 2914	110	0.381739	0.564054	3.814460
## 2915	52	0.480430	0.805191	3.602397
## 2916	62	0.832147	1.078238	3.445825

## 2917	51	0.924914	1.454785	3.388797
## 2918	69	4.198797	1.704116	14.381196
## 2919	82	6.179917	2.357070	19.966209
## 2920	107	0.184069	0.159286	2.807338
## 2921	111	7.778885	3.135171	24.340851
## 2922	168	0.267778	0.336966	2.163737
## 2923	128	0.528323	0.295171	2.728655
## 2924	570	0.147149	0.524532	1.596768
## 2925	707	0.382688	0.289748	2.005008
## 2926	94	0.704277	1.378347	9.599158
## 2927	312	0.610455	0.403714	2.980236
## 2928	126	0.409659	0.688839	3.179932
## 2929	160	1.592757	0.464674	5.418316
## 2930	227	0.718548	0.288312	3.435844
## 2931	333	0.519242	1.136477	4.670900
## 2932	57	0.067053	0.028268	0.911779
## 2933	533	0.621985	0.799134	2.926154
## 2934	1014	0.498800	0.859516	3.540646
## 2935	94	0.576711	0.131996	2.681138
## 2936	95	0.366701	0.632389	3.376012
## 2937	53	2.185621	4.029572	16.703415
## 2938	113	0.509365	0.142431	2.532244
## 2939	216	0.912241	0.544351	3.406285
## 2940	372	0.262002	0.402533	1.577145
## 2941	76	0.625758	0.186331	3.854825
## 2942	99	0.246627	0.216402	2.752735
## 2943	97	0.526218	0.125190	3.510201
## 2944	102	0.180637	0.132546	2.724336
## 2945	97	0.159968	0.094668	2.382705
## 2946	101	0.523268	0.136957	3.370600
## 2947	99	0.184134	0.139393	2.444366
## 2948	97	0.493672	0.111350	3.318195
## 2949	38	0.544167	0.567453	6.560241
## 2950	178	1.096858	2.666600	7.107747
## 2951	50	0.522785	0.340232	2.567795
## 2952	281	0.856921	0.521601	3.322391
## 2953	28	0.167761	0.093654	1.782577
## 2954	298	0.308879	0.446938	1.594824
## 2955	1696	0.442389	0.232380	2.259214
## 2956	921	0.240876	0.306150	1.454817
## 2957	404	0.522007	0.268118	2.788979
## 2958	37	0.857788	0.400564	5.579842
## 2959	436	0.485813	0.280264	2.701852
## 2960	1015	0.450261	0.337904	2.106188
## 2961	457	1.446288	1.296800	6.694407
## 2962	58	0.742769	0.812669	6.548814
## 2963	39	0.358888	0.179183	2.207158
## 2964	25	1.009421	1.422086	16.038725
## 2965	75	1.709500	1.535751	11.703794
## 2966	63	0.895757	0.636312	7.020993
## 2967	666	0.577060	0.617702	1.980737
## 2968	455	0.691114	0.466634	2.723518
## 2969	132	3.353889	1.522097	8.406621
## 2970	101	4.001309	1.390159	12.165830

## 2971	66	1.638795	1.094221	5.247995
## 2972	105	0.592286	0.401464	2.853703
## 2973	84	0.147248	0.093354	2.324438
## 2974	91	1.530900	0.884660	4.489781
## 2975	94	1.229181	0.731065	5.197201
## 2976	134	1.878849	1.232514	6.477727
## 2977	88	0.717501	0.492802	3.742049
## 2978	96	1.636528	0.559174	6.465801
## 2979	70	2.150061	1.308915	6.928920
## 2980	100	2.386354	1.252593	5.113161
## 2981	66	1.321211	0.599248	4.864033
## 2982	481	0.352083	0.330545	2.125872
## 2983	451	0.466390	0.241094	2.453898
## 2984	273	1.522225	0.990147	4.014472
## 2985	142	0.804899	0.516318	3.414875
## 2986	148	1.753391	0.897152	5.889553
## 2987	257	2.507054	1.452755	7.008818
## 2988	319	4.244528	2.869464	13.539192
## 2989	33	3.850212	1.545854	14.183809
## 2990	1103	0.728359	1.061297	3.683015
## 2991	38	0.545162	0.413761	4.913929
## 2992	720	0.652189	0.444022	2.581269
## 2993	543	0.288016	0.129459	2.071069
## 2994	212	0.462312	0.249101	2.407722
## 2995	163	0.443563	0.603401	4.901902
## 2996	31	3.327828	1.389708	11.416848
## 2997	25	4.803197	2.494449	25.831945
## 2998	37	0.610045	1.375403	10.208514
## 2999	51	3.491004	1.276785	9.839608
## 3000	74	3.877241	1.168357	12.506998
## 3001	32	0.794357	0.542185	10.858949
## 3002	41	3.821726	1.451679	11.593891
## 3003	45	1.757672	0.976171	8.623581
## 3004	80	1.644273	0.684916	7.500747
## 3005	52	5.534792	1.960148	15.511026
## 3006	61	2.973158	1.085488	12.602520
## 3007	32	4.853692	2.399009	23.563053
## 3008	25	0.421556	0.532420	3.604949
## 3009	102	2.010945	1.449439	11.026549
## 3010	86	3.614870	4.618878	13.203323
## 3011	55	0.242321	0.394691	1.752427
## 3012	29	3.708252	1.650598	13.869796
## 3013	25	6.776770	3.271526	28.189381
## 3014	47	1.327076	1.861209	7.038470
## 3015	74	0.240839	0.129382	1.579971
## 3016	55	2.168438	1.058626	6.247010
## 3017	28	3.049304	1.510561	7.285762
## 3018	25	1.424680	0.657910	4.775568
## 3019	121	1.988741	0.741478	7.859929
## 3020	60	0.497616	0.482950	2.062745
## 3021	33	0.001116	0.005246	0.161443
## 3022	25	0.803715	0.718744	3.777256
## 3023	25	0.416746	1.402432	3.570759
## 3024	25	9.295871	4.460349	14.385000

## 3025	93	0.360050	0.207206	3.072024
## 3026	69	2.645960	2.431643	9.805033
## 3027	48	2.392480	1.782538	13.861129
## 3028	76	0.092323	0.327406	1.833990
## 3029	43	1.969371	0.859218	17.545477
## 3030	80	0.777539	0.840832	5.596901
## 3031	54	0.737921	0.955823	3.092169
## 3032	32	1.461518	0.991977	8.035702
## 3033	189	2.729858	2.131055	10.897526
## 3034	96	0.829060	0.383963	3.329965
## 3035	43	1.917439	0.722803	4.541814
## 3036	63	2.302653	1.268589	18.343224
## 3037	70	0.656037	0.834783	4.595479
## 3038	30	1.317027	0.772540	8.987445
## 3039	33	0.666548	0.360548	3.330446
## 3040	28	1.092884	0.550596	5.872523
## 3041	25	2.871356	1.563644	12.425133
## 3042	38	1.068451	0.686256	3.862844
## 3043	26	2.402105	2.132806	13.364382
## 3044	25	1.311811	2.211373	14.629468
## 3045	44	1.018414	0.440062	11.001436
## 3046	33	0.656199	0.306597	3.492916
## 3047	90	0.147534	0.237836	1.552362
## 3048	56	0.742301	0.369609	4.134388
## 3049	76	4.165864	2.603460	17.952442
## 3050	33	1.056276	0.759402	10.881123
## 3051	98	0.757707	0.364280	6.922996
## 3052	45	1.329166	0.649245	4.846085
## 3053	53	0.230465	0.107038	2.592101
## 3054	86	2.135114	1.110876	9.680047
## 3055	41	2.823669	1.509742	14.484231
## 3056	93	0.765655	0.422199	5.439959
## 3057	28	7.164692	3.372964	30.170282
## 3058	44	0.665193	0.295357	5.558484
## 3059	62	0.835877	0.644329	4.955794
## 3060	51	1.626961	1.964099	6.869967
## 3061	44	4.025009	2.026368	10.152329
## 3062	69	4.797198	1.724151	17.872721
## 3063	49	0.999144	0.493311	4.595868
## 3064	26	4.709798	2.116962	22.110720
## 3065	32	9.508381	4.212983	23.017599
## 3066	57	7.406808	3.248511	19.634520
## 3067	50	3.844956	2.286026	9.660499
## 3068	56	6.718110	4.661546	23.728098
## 3069	41	3.375310	1.517895	11.762359
## 3070	99	6.994698	4.748163	10.126502
## 3071	216	0.269018	0.585289	2.782789
## 3072	260	0.235358	0.080094	1.904133
## 3073	96	0.394362	0.236245	2.180841
## 3074	63	0.401072	0.169135	1.960908
## 3075	101	0.136781	0.207746	1.981815
## 3076	113	2.874772	1.204102	9.948844
## 3077	130	1.788658	1.232601	9.101088
## 3078	80	0.771875	0.382666	2.831545

## 3079	48	0.065545	0.022429	0.916756
## 3080	132	0.433275	0.438109	2.401473
## 3081	37	0.053136	0.098642	0.893084
## 3082	242	0.536531	0.306905	2.729407
## 3083	419	1.340744	1.406067	6.480295
## 3084	58	0.622722	0.875672	6.157960
## 3085	39	0.230361	0.132181	1.696561
## 3086	25	1.113921	2.266094	14.962847
## 3087	75	1.652499	1.951308	10.062650
## 3088	134	0.694076	0.499525	6.713214
## 3089	211	0.310168	0.323021	2.515358
## 3090	237	0.693265	0.673988	4.422562
## 3091	297	0.581751	0.687025	4.091475
## 3092	488	0.082850	0.233798	2.025348
## 3093	603	0.295340	0.410619	1.981042
## 3094	301	0.492065	0.992175	4.617105
## 3095	89	0.534553	0.830608	5.438360
## 3096	275	0.540260	0.899764	4.744916
## 3097	25	1.931453	1.435304	18.281321
## 3098	201	0.327720	0.305883	3.693444
## 3099	101	1.173593	1.870997	8.870890
## 3100	65	0.504290	0.203953	2.173564
## 3101	76	0.305306	0.244487	2.514038
## 3102	128	0.372529	0.487025	3.866834
## 3103	70	0.247954	0.494684	3.264875
## 3104	125	0.562761	0.547624	2.873040
## 3105	53	1.340942	0.627093	4.608968
## 3106	78	1.037705	0.510357	5.748278
## 3107	94	0.629365	0.455856	3.930218
## 3108	25	0.587644	0.417016	4.525610
## 3109	1238	0.482946	1.004383	3.102837
## 3110	146	0.383121	0.175781	2.450138
## 3111	147	0.663499	0.362842	3.358630
## 3112	151	0.371436	0.378700	2.857670
## 3113	55	0.714376	0.441175	3.811542
## 3114	163	0.821197	0.395088	4.635705
## 3115	297	0.203133	0.081710	2.279987
## 3116	813	0.078614	0.153674	1.985215
## 3117	65	0.424831	0.356705	4.612254
## 3118	324	0.306689	0.195415	2.222624
## 3119	82	0.498700	0.244144	2.831774
## 3120	84	0.131199	0.103600	0.728355
## 3121	25	1.912600	1.789021	20.760933
## 3122	62	1.876174	2.759305	14.830741
## 3123	58	2.031901	1.051003	9.935616
## 3124	42	2.622567	1.338319	15.314107
## 3125	56	2.662436	1.143534	15.205996
## 3126	49	7.449450	11.745170	20.878511
## 3127	29	0.619124	0.509979	5.975591
## 3128	31	0.234834	0.237223	3.598318
## 3129	28	0.401989	0.582293	4.293175
## 3130	73	0.252628	0.570399	2.467062
## 3131	33	1.944425	1.565275	10.609102
## 3132	25	2.491172	1.341329	9.142130

## 3133	25	2.679936	1.463580	13.413557
## 3134	45	1.686765	0.918913	5.730419
## 3135	79	1.269371	1.193495	6.393048
## 3136	25	3.220765	1.512106	9.773934
## 3137	40	1.439796	1.821658	9.186682
## 3138	25	4.485693	2.073877	18.801739
## 3139	59	2.519984	2.031330	12.343838
## 3140	32	2.256528	0.984883	9.526155
## 3141	37	8.129237	3.979454	21.670620
## 3142	105	1.371210	1.332547	8.490167
## 3143	122	1.332940	1.659776	7.903328
## 3144	83	0.126092	0.309910	1.147043
## 3145	217	0.556560	0.470331	3.455485
## 3146	133	6.042459	1.701378	19.524214
## 3147	45	0.814569	0.346918	4.631743
## 3148	66	1.586462	0.645097	6.705719
## 3149	68	3.045914	1.001310	8.006950
## 3150	72	2.128795	0.692122	8.999307
## 3151	111	0.354298	0.124344	2.409325
## 3152	94	4.909580	2.411153	10.771733
## 3153	80	2.971874	1.537783	11.326299
## 3154	42	0.456354	0.191877	3.391028
## 3155	107	5.574385	2.190979	18.733965
## 3156	177	1.118532	0.193946	4.689846
## 3157	25	0.868592	0.406709	12.699611
## 3158	264	0.735743	1.132151	4.198932
## 3159	242	0.185929	0.294988	1.591317
## 3160	248	0.512483	0.355994	3.311429
## 3161	360	0.298964	0.445036	1.648702
## 3162	25	4.145172	7.431084	40.610886
## 3163	40	2.788085	1.709924	12.904201
## 3164	25	5.801217	3.167974	18.685219
## 3165	41	5.013169	2.235825	17.448278
## 3166	25	1.264111	0.805734	5.087118
## 3167	44	3.293550	2.230770	8.699457
## 3168	51	0.568782	1.871587	7.721144
## 3169	58	2.463945	4.293356	10.871548
## 3170	88	0.762591	0.517088	4.717806
## 3171	54	0.393065	0.248574	2.552376
## 3172	64	2.765411	2.691154	11.311018
## 3173	62	1.981756	1.973938	2.919943
## 3174	58	1.728292	0.604538	8.159966
## 3175	33	2.051185	0.817870	6.112760
## 3176	63	0.287728	0.292753	1.848108
## 3177	90	0.890559	0.319503	3.704016
## 3178	71	2.417763	0.902945	16.936375
## 3179	99	2.386013	0.822179	13.630151
## 3180	33	3.969040	3.167385	23.151785
## 3181	34	2.170580	2.536141	29.735466
## 3182	64	1.848363	2.327650	15.855512
## 3183	25	3.384849	1.931315	19.437008
## 3184	28	0.455633	0.601264	2.887901
## 3185	25	0.712326	0.633544	10.058131
## 3186	81	2.778579	2.059583	11.489285

## 3187	52	0.683662	1.562297	6.967926
## 3188	28	3.136354	1.365628	8.109303
## 3189	55	1.845274	2.396614	11.656526
## 3190	36	1.858415	0.981861	5.856614
## 3191	136	2.622656	2.328299	8.382940
## 3192	139	1.301517	1.464405	6.509773
## 3193	61	1.257808	1.459624	12.872516
## 3194	59	6.957962	17.130470	5.522624
## 3195	52	0.044659	0.082707	0.417016
## 3196	209	0.660665	0.385801	2.694685
## 3197	175	0.287724	0.512261	2.914449
## 3198	169	0.524572	0.400519	4.321413
## 3199	521	0.091380	0.046388	1.279087
## 3200	108	0.274904	0.418291	2.760355
## 3201	72	1.196131	1.307269	9.449554
## 3202	186	0.511054	0.181363	2.831543
## 3203	116	0.306948	0.274402	2.301569
## 3204	110	0.212568	0.261496	2.054670
## 3205	92	0.751571	0.466820	4.309799
## 3206	396	0.535908	0.293451	2.926751
## 3207	55	0.074226	0.251528	1.247184
## 3208	25	11.276607	12.224948	25.344994
## 3209	101	2.670122	1.129201	12.915587
## 3210	194	0.759807	0.260472	4.683590
## 3211	133	1.775606	0.356042	5.983274
## 3212	167	0.674878	0.296276	3.338611
## 3213	169	1.049337	0.204208	3.858750
## 3214	27	1.030406	0.436433	9.270085
## 3215	42	0.412290	0.180453	3.228844
## 3216	110	0.436730	0.408148	5.471561
## 3217	95	0.885041	0.704507	9.926046
## 3218	25	0.418005	0.577013	8.478743
## 3219	25	5.158393	7.662999	23.260082
## 3220	118	0.986787	0.940723	6.197752
## 3221	105	0.055233	0.198810	3.365908
## 3222	210	0.372269	0.752407	3.510851
## 3223	229	0.720046	0.383082	3.572453
## 3224	163	0.056688	0.231264	2.753280
## 3225	175	0.576029	0.348310	4.184988
## 3226	734	1.074072	0.586068	3.840762
## 3227	315	0.423477	0.368936	2.341576
## 3228	644	0.993581	0.612292	3.708494
## 3229	182	0.512737	0.432506	3.115259
## 3230	1057	0.937256	0.597905	3.489519
## 3231	233	0.610412	0.366877	3.374170
## 3232	1003	0.869304	0.562609	3.164252
## 3233	63	0.546718	0.202604	3.130452
## 3234	190	0.562748	0.448300	3.440356
## 3235	210	0.330406	0.211409	2.398918
## 3236	359	0.644657	0.491350	2.889019
## 3237	445	0.019866	0.048405	2.089968
## 3238	723	0.587420	0.402780	2.895965
## 3239	291	0.017698	0.071735	2.217218
## 3240	369	1.957879	2.010135	8.555912

## 3241	48	0.778885	1.023137	6.009996
## 3242	247	0.470431	0.255369	2.499675
## 3243	156	1.379754	0.837788	5.240268
## 3244	40	0.367466	0.358570	4.095765
## 3245	71	0.291264	0.267284	1.773149
## 3246	179	0.452060	0.335252	2.676438
## 3247	641	0.470747	0.790228	3.413347
## 3248	107	1.005413	1.073554	4.010334
## 3249	234	0.124383	0.180701	1.986188
## 3250	71	0.254643	0.116685	2.581695
## 3251	159	1.302762	0.282084	4.973911
## 3252	398	1.371579	1.301533	4.475465
## 3253	158	0.034344	0.139636	2.983468
## 3254	132	1.411108	0.782975	5.580255
## 3255	275	0.992967	0.166446	4.165957
## 3256	220	1.321340	0.994507	4.421187
## 3257	70	0.318163	0.224655	2.879819
## 3258	279	0.028295	0.109170	2.726736
## 3259	119	0.332417	0.736292	3.989081
## 3260	118	1.361544	0.875698	4.615231
## 3261	246	0.759761	0.167229	3.554739
## 3262	243	1.329335	0.642373	4.741089
## 3263	298	1.467910	0.588175	5.915454
## 3264	367	1.341919	0.700548	4.778658
## 3265	197	0.547547	0.360111	3.382835
## 3266	75	2.186237	1.108558	7.102763
## 3267	183	0.834454	0.402493	3.812976
## 3268	142	0.277259	0.164210	2.440866
## 3269	53	0.532796	0.341993	2.957940
## 3270	130	0.510789	0.326845	4.594419
## 3271	270	1.532822	0.517345	6.902318
## 3272	108	0.418828	0.279666	3.944373
## 3273	164	1.399409	0.468420	6.683818
## 3274	479	1.185247	0.664971	4.391178
## 3275	332	1.450483	0.345844	5.512072
## 3276	107	1.281528	0.581246	4.849647
## 3277	151	0.074481	0.056743	1.683386
## 3278	724	0.938198	0.564316	3.802652
## 3279	164	0.283597	0.168371	2.526725
## 3280	159	1.181647	0.393540	4.242768
## 3281	251	0.642582	0.242176	2.916561
## 3282	393	0.543729	0.465258	2.748603
## 3283	95	0.082676	0.039652	1.824308
## 3284	130	1.017125	0.540576	3.945997
## 3285	86	0.219110	0.070048	2.293373
## 3286	249	0.017954	0.070755	2.466471
## 3287	199	1.323145	0.629416	5.560131
## 3288	119	0.104257	0.059893	1.885296
## 3289	92	0.370726	0.200043	2.541026
## 3290	68	0.740528	0.695475	6.724132
## 3291	444	0.505880	0.462640	2.189626
## 3292	64	0.303266	0.118728	1.952393
## 3293	204	0.634956	0.470763	2.345407
## 3294	37	0.342861	0.198053	2.055443

## 3295	49	0.193352	0.165230	1.509060
## 3296	90	0.807771	0.373808	2.619372
## 3297	39	0.687769	0.431710	3.344387
## 3298	178	1.410526	0.385842	6.752681
## 3299	139	1.564038	0.793903	5.350042
## 3300	243	0.817323	0.307913	4.525371
## 3301	274	0.043241	0.178954	1.703008
## 3302	182	0.747538	0.268945	3.997406
## 3303	170	0.494088	0.312405	2.711898
## 3304	100	0.668797	0.353175	4.350512
## 3305	91	1.745422	0.927464	6.317438
## 3306	259	0.579625	0.262860	3.690766
## 3307	72	1.293597	0.317330	4.514068
## 3308	184	0.698911	0.407428	3.751496
## 3309	67	2.710091	0.781824	11.792388
## 3310	39	3.056624	1.309905	14.013110
## 3311	45	0.483262	0.663085	7.131263
## 3312	46	2.875167	0.938345	9.616127
## 3313	25	1.599002	1.542959	29.907143
## 3314	36	1.399359	0.500074	6.109986
## 3315	25	1.345403	1.163196	28.606968
## 3316	25	1.267493	0.580169	5.152341
## 3317	89	0.236763	0.553283	3.826919
## 3318	55	4.260349	1.336810	10.295518
## 3319	52	0.187019	0.117315	1.632994
## 3320	30	0.097304	0.052513	1.437921
## 3321	25	0.906334	2.028855	7.132773
## 3322	27	1.771622	1.566578	4.809320
## 3323	42	1.123088	0.450764	3.694803
## 3324	36	1.644842	0.704419	5.792707
## 3325	40	1.937598	1.321737	11.089561
## 3326	36	4.618629	7.467522	13.454423
## 3327	58	2.093893	0.595625	6.195020
## 3328	86	2.552658	1.094266	5.804512
## 3329	51	2.567746	1.099431	7.089159
## 3330	108	2.017740	0.546966	5.287663
## 3331	25	3.089682	1.777380	9.166798
## 3332	152	2.110605	1.128520	5.261208
## 3333	41	2.649933	1.056147	6.729309
## 3334	37	3.887076	1.633149	7.160609
## 3335	44	3.111725	1.759860	7.023263
## 3336	46	1.156139	0.456709	3.659811
## 3337	84	1.856753	0.735828	5.296753
## 3338	49	2.275628	0.948835	5.378069
## 3339	93	2.028451	0.907517	5.491481
## 3340	25	7.026177	13.884660	36.848705
## 3341	25	0.594254	0.336053	4.478267
## 3342	337	0.944179	0.493705	3.739362
## 3343	86	1.504683	0.413976	6.270046
## 3344	233	0.625457	0.416263	2.752020
## 3345	46	0.073822	0.051734	0.925973
## 3346	34	5.418204	5.721809	37.002647
## 3347	25	2.080702	1.694096	11.295223
## 3348	39	5.105774	2.518494	18.625065

## 3349	25	5.441274	2.860545	12.539543
## 3350	25	1.518590	1.251520	6.236575
## 3351	43	3.246726	2.194579	8.696726
## 3352	51	0.553533	1.792737	7.690495
## 3353	25	2.143995	1.343369	23.068846
## 3354	25	2.753761	2.086553	22.172644
## 3355	26	2.919138	2.533086	15.010605
## 3356	90	0.641284	0.221863	3.524456
## 3357	42	5.055924	1.726011	13.082125
## 3358	89	0.861098	0.282325	4.000932
## 3359	84	3.347518	1.689879	9.080974
## 3360	82	2.333977	1.070754	16.339319
## 3361	30	1.467669	0.755912	13.055065
## 3362	56	4.678895	6.963932	17.996172
## 3363	168	3.150470	1.451128	12.040702
## 3364	25	2.275190	3.368170	25.057751
## 3365	44	1.991268	0.913470	10.102437
## 3366	76	0.110566	0.504680	1.823251
## 3367	44	1.956365	0.835021	17.567867
## 3368	79	0.731227	0.748337	5.016255
## 3369	55	0.744917	0.966790	3.279654
## 3370	31	1.362267	0.772119	7.134268
## 3371	190	2.708910	2.014746	10.990651
## 3372	95	0.828316	0.379353	3.150457
## 3373	44	1.946526	0.722501	4.990764
## 3374	62	2.283741	1.250764	18.168125
## 3375	71	0.673862	0.868070	4.799168
## 3376	30	1.407781	0.903240	8.476507
## 3377	33	0.710426	0.414144	3.544191
## 3378	28	1.061576	0.529957	4.969586
## 3379	25	2.935751	1.618371	12.384008
## 3380	37	1.044429	0.675750	3.796543
## 3381	26	2.351803	1.970715	13.572245
## 3382	25	1.288205	2.252899	13.391250
## 3383	44	1.032815	0.436070	10.973113
## 3384	33	0.667864	0.302333	3.580254
## 3385	91	0.165821	0.307867	1.757029
## 3386	56	0.719775	0.345562	3.791079
## 3387	98	4.298096	1.070455	11.745313
## 3388	95	0.047413	0.060359	1.096961
## 3389	29	0.017227	0.012479	1.303998
## 3390	105	0.983066	0.665046	3.219518
## 3391	114	0.317272	0.303425	1.960692
## 3392	58	0.063684	0.249276	1.896510
## 3393	97	2.655799	1.674252	6.745328
## 3394	25	0.192691	0.794907	3.006415
## 3395	87	0.193121	0.102211	1.655467
## 3396	25	0.266911	0.568842	4.559599
## 3397	73	0.083010	0.165360	1.701674
## 3398	25	3.893932	3.470488	18.045254
## 3399	25	7.481937	3.393031	16.807619
## 3400	338	0.550690	0.488458	3.975853
## 3401	101	0.073626	0.124373	1.431950
## 3402	116	0.393171	0.218989	2.301083

## 3403	253	0.273555	0.215236	1.794755
## 3404	323	2.246015	1.587137	7.809729
## 3405	212	2.560531	2.440352	8.294534
## 3406	249	0.237964	0.173998	1.749404
## 3407	25	1.855208	1.260503	14.528447
## 3408	233	4.286139	2.842361	12.969953
## 3409	300	2.961891	2.822878	9.521363
## 3410	1513	0.288024	0.283681	1.750026
## 3411	737	0.345149	0.593133	2.654552
## 3412	299	0.462686	0.314910	3.123168
## 3413	193	0.668367	0.264943	3.641768
## 3414	126	0.133746	0.170216	1.934126
## 3415	124	0.162979	0.198067	1.931595
## 3416	215	0.091539	0.088848	1.886655
## 3417	676	0.841053	0.556216	3.528533
## 3418	251	0.909835	0.532338	3.626896
## 3419	342	0.254044	0.190253	2.258231
## 3420	244	0.792139	0.392150	4.000190
## 3421	172	0.388349	0.370671	2.205560
## 3422	189	0.526475	0.339976	3.296693
## 3423	239	0.106990	0.340893	1.811923
## 3424	93	0.298472	0.582873	2.844212
## 3425	177	1.546263	0.869435	5.137829
## 3426	215	1.263456	0.362239	4.569351
## 3427	204	0.468580	0.277683	3.160753
## 3428	304	1.339526	0.378439	4.863819
## 3429	276	0.097786	0.130810	1.583992
## 3430	142	0.806821	0.359298	4.772075
## 3431	174	0.026268	0.110102	2.754450
## 3432	318	0.569779	0.140108	3.134994
## 3433	174	0.447050	0.317153	2.802611
## 3434	295	1.354180	1.073233	6.932586
## 3435	105	0.066296	0.097880	1.932574
## 3436	273	0.790827	0.611033	3.857593
## 3437	62	0.115569	0.110819	2.312144
## 3438	407	0.963248	0.526320	3.768660
## 3439	183	0.347140	0.836653	3.021825
## 3440	267	0.530827	0.135433	2.617623
## 3441	139	0.789277	0.480285	3.807394
## 3442	62	0.962898	0.351566	4.610713
## 3443	79	0.109791	0.051708	1.975584
## 3444	302	1.122706	0.635721	4.243462
## 3445	88	0.716054	0.163046	3.218559
## 3446	38	0.326253	0.269233	3.789163
## 3447	275	0.501898	0.197350	3.330466
## 3448	38	3.006212	1.361599	13.541888
## 3449	39	0.649432	0.888749	8.229363
## 3450	69	1.499790	0.517477	3.109696
## 3451	25	2.174811	1.435008	16.337191
## 3452	44	4.068791	1.721638	23.317493
## 3453	32	6.759945	2.603221	11.839437
## 3454	39	6.084023	2.353432	16.049717
## 3455	27	2.383060	1.022904	8.441699
## 3456	31	0.874291	0.341534	2.342483

## 3457	31	0.443870	0.246744	2.163229
## 3458	28	2.136807	1.371093	14.362389
## 3459	25	3.445367	1.778240	19.679193
## 3460	43	1.003109	1.597399	7.427112
## 3461	25	0.735291	0.838235	4.267700
## 3462	25	1.896412	1.133184	17.572603
## 3463	32	0.902159	0.389754	2.748754
## 3464	35	1.089686	0.446567	3.135699
## 3465	41	1.382674	0.495452	3.811500
## 3466	55	4.950047	1.756842	12.477357
## 3467	50	6.514954	2.539738	9.180519
## 3468	73	0.504762	0.207872	1.994048
## 3469	80	0.967593	0.866208	4.598382
## 3470	45	1.935397	0.772620	4.739077
## 3471	56	0.494064	0.223070	1.848870
## 3472	52	0.696253	0.295877	6.284739
## 3473	37	0.896625	0.325231	2.352395
## 3474	57	0.482175	0.195830	2.072927
## 3475	83	0.753546	0.391070	2.699119
## 3476	25	0.788084	0.589343	7.264433
## 3477	25	1.357220	0.603324	4.199872
## 3478	44	0.676264	0.218081	2.855675
## 3479	45	0.444101	0.214531	2.891515
## 3480	37	1.042961	0.384644	3.782250
## 3481	37	0.571097	0.471041	3.190847
## 3482	25	0.541303	0.375076	3.196523
## 3483	32	0.751610	0.313796	2.420913
## 3484	54	2.535680	8.398276	12.926121
## 3485	28	3.744272	1.619382	12.469826
## 3486	25	6.778035	3.323508	28.684149
## 3487	46	1.044152	0.419458	5.187961
## 3488	75	0.250473	0.140546	1.708407
## 3489	55	2.148942	0.936027	6.279974
## 3490	27	3.118815	1.583154	6.733490
## 3491	25	1.410710	0.643058	4.841245
## 3492	121	2.019089	0.741046	7.872546
## 3493	60	0.485026	0.473869	2.055339
## 3494	34	0.014033	0.078532	0.239352
## 3495	25	0.843067	0.773524	3.715589
## 3496	25	0.462141	1.356204	4.371028
## 3497	25	9.087308	4.547463	15.958587
## 3498	92	0.355666	0.186965	2.820747
## 3499	69	2.598294	2.360735	9.849551
## 3500	60	1.096424	1.257817	10.593164
## 3501	63	7.474956	17.354313	6.607161
## 3502	67	0.172462	0.258683	4.343022
## 3503	73	6.559165	2.041530	13.181567
## 3504	29	0.632229	0.411346	2.710258
## 3505	46	0.455496	0.280342	2.293439
## 3506	50	0.135941	0.201426	2.240189
## 3507	78	0.576797	0.342194	3.010977
## 3508	166	4.882240	4.174690	11.567222
## 3509	59	11.412512	5.439385	22.193449
## 3510	97	4.092135	2.114410	10.882418

## 3511	71	2.713070	1.173603	11.323462
## 3512	272	3.037567	3.411521	11.349949
## 3513	61	0.510950	0.248399	2.726524
## 3514	96	2.167530	0.902419	7.083337
## 3515	110	6.518858	2.296692	14.824852
## 3516	206	3.947111	2.995294	11.094948
## 3517	25	5.344247	7.808112	39.635296
## 3518	38	2.780827	1.786198	11.704338
## 3519	25	5.839769	3.183011	19.551638
## 3520	41	5.030764	2.212014	17.154350
## 3521	25	1.252484	0.829526	5.049227
## 3522	44	3.267231	2.182407	8.712859
## 3523	51	0.513661	1.658272	7.550933
## 3524	53	3.585495	1.423836	10.935545
## 3525	74	3.848904	1.194139	12.454497
## 3526	32	0.777003	0.534676	10.847863
## 3527	40	3.849353	1.490878	11.096065
## 3528	46	1.807456	1.014773	8.788393
## 3529	80	1.637828	0.666516	7.426117
## 3530	52	5.539734	1.957484	15.464174
## 3531	61	2.965806	1.088903	12.504695
## 3532	36	4.689161	2.270566	22.250044
## 3533	29	0.881112	1.276164	4.462173
## 3534	94	1.768671	1.147744	8.854266
## 3535	86	3.838377	4.565650	13.132995
## 3536	55	0.229995	0.282388	1.699616
## 3537	57	2.106617	3.697250	9.466835
## 3538	88	0.779851	0.519127	4.759175
## 3539	54	0.390507	0.239959	2.433042
## 3540	64	2.642337	2.552629	10.960620
## 3541	62	1.983455	2.026015	2.871123
## 3542	58	1.709462	0.594074	8.012026
## 3543	33	2.008808	0.817390	6.112572
## 3544	62	0.282828	0.209947	1.531899
## 3545	90	0.866955	0.352417	3.669333
## 3546	72	2.494349	0.885409	17.392380
## 3547	99	2.393107	0.894804	13.704816
## 3548	58	0.834770	0.961040	11.634951
## 3549	61	8.120356	18.572796	7.249001
## 3550	85	0.026620	0.067730	0.282725
## 3551	47	6.585957	3.715152	18.148687
## 3552	290	0.657299	0.506092	4.578025
## 3553	116	0.183092	0.138814	2.002482
## 3554	162	0.040758	0.065618	1.640351
## 3555	63	0.243327	0.224369	1.716462
## 3556	114	0.141753	0.343516	2.968684
## 3557	141	0.160443	0.332991	2.734757
## 3558	95	0.212639	0.116577	2.309221
## 3559	82	0.022658	0.039768	1.607387
## 3560	491	0.609371	0.392944	3.113505
## 3561	94	0.062310	0.169428	1.813958
## 3562	63	0.288022	0.195371	2.898672
## 3563	49	0.045748	0.036138	1.766009
## 3564	302	0.546134	0.386347	2.886246

## 3565	137	0.096297	0.413984	2.002294
## 3566	99	0.608054	0.379892	3.440248
## 3567	166	0.136736	0.382028	2.049092
## 3568	175	0.352648	0.197001	3.155539
## 3569	131	0.053818	0.046306	1.969126
## 3570	299	0.853554	0.577704	3.868020
## 3571	105	0.024914	0.016736	1.550344
## 3572	78	0.688809	0.456093	3.459887
## 3573	99	0.281331	0.261742	2.392575
## 3574	220	0.088385	0.273334	1.922327
## 3575	78	0.153776	0.257365	3.360660
## 3576	103	0.882654	0.373931	3.923512
## 3577	180	0.047972	0.053364	1.794452
## 3578	43	0.330718	0.155449	2.298310
## 3579	114	0.138414	0.066757	2.102369
## 3580	414	0.798271	0.534725	3.665846
## 3581	156	0.040512	0.058762	1.818370
## 3582	297	0.710094	0.318327	3.415708
## 3583	155	0.221207	0.130789	1.947579
## 3584	36	0.099200	0.242927	2.465014
## 3585	112	1.034823	0.533273	4.032493
## 3586	172	0.037124	0.100001	2.000677
## 3587	97	0.062398	0.144037	2.679521
## 3588	25	0.141710	0.107155	1.984915
## 3589	79	0.035537	0.219395	1.555168
## 3590	321	0.564998	0.376966	3.268978
## 3591	389	0.044152	0.056861	1.826006
## 3592	456	0.628865	0.417181	3.175311
## 3593	277	0.015875	0.067198	2.361571
## 3594	127	1.045644	0.643772	5.698804
## 3595	152	0.057254	0.169952	1.824276
## 3596	216	0.675077	0.535300	3.286585
## 3597	58	0.076634	0.272710	2.446798
## 3598	122	0.272779	0.150639	2.705571
## 3599	112	0.017850	0.015069	1.665419
## 3600	328	0.537633	0.244964	2.960358
## 3601	62	0.092424	0.153769	2.330760
## 3602	150	0.546157	0.231182	3.717111
## 3603	108	0.096358	0.066046	1.929744
## 3604	304	0.789782	0.456120	4.069804
## 3605	39	2.995854	1.349195	13.645554
## 3606	32	0.635575	0.883805	9.784559
## 3607	32	1.735766	1.120279	8.463640
## 3608	25	2.463673	1.328522	9.100533
## 3609	25	2.590508	1.408076	13.462711
## 3610	44	1.694527	0.962929	5.782629
## 3611	80	1.340456	1.288622	6.729252
## 3612	25	3.226773	1.525047	10.200402
## 3613	40	1.392810	1.802125	8.733128
## 3614	45	4.048199	2.110158	16.655642
## 3615	39	1.528177	0.594013	6.348571
## 3616	32	2.266177	0.991978	9.428123
## 3617	37	8.274253	4.003716	21.263348
## 3618	105	1.345265	1.218505	8.658658

## 3619	122	1.429085	2.304153	7.422026
## 3620	83	0.083032	0.112712	0.834575
## 3621	25	4.206753	2.436328	27.987041
## 3622	45	5.059213	1.849852	16.741779
## 3623	39	0.883160	0.361806	5.421824
## 3624	45	7.918705	3.469129	24.408794
## 3625	87	1.649396	3.225576	8.131105
## 3626	37	4.426767	3.280296	26.339523
## 3627	34	2.332819	2.591687	29.974300
## 3628	65	1.969949	2.572667	15.881973
## 3629	25	3.324132	1.893065	18.289793
## 3630	27	0.399356	0.484665	2.670447
## 3631	25	0.675570	0.543427	9.698282
## 3632	81	2.647732	1.680110	11.534554
## 3633	52	0.654884	1.248137	7.320031
## 3634	29	3.264999	1.417330	9.827715
## 3635	54	1.780729	2.385795	11.447595
## 3636	37	1.868316	0.978739	6.138787
## 3637	136	2.665550	2.384730	8.269529
## 3638	139	1.307881	1.605139	6.463741
## 3639	25	2.129952	1.340326	22.788794
## 3640	25	2.766558	2.106907	22.033031
## 3641	26	2.920541	2.535996	14.974767
## 3642	90	0.659809	0.239635	3.508626
## 3643	42	5.054863	1.715455	13.001426
## 3644	89	0.931100	0.295418	4.080180
## 3645	84	3.339019	1.661239	9.097667
## 3646	82	2.326109	1.077611	16.307949
## 3647	30	1.437082	0.732666	13.067102
## 3648	56	4.857488	7.458065	17.951433
## 3649	168	3.190199	1.526344	12.036961
## 3650	25	1.544136	1.360128	21.914244
## 3651	66	4.365355	2.865642	15.431427
## 3652	33	1.021262	0.712923	11.093424
## 3653	98	0.734608	0.342637	6.774916
## 3654	45	1.279164	0.615977	4.366604
## 3655	52	0.223051	0.094554	2.212821
## 3656	87	2.106221	1.043075	9.960870
## 3657	41	2.822166	1.518698	14.483638
## 3658	93	0.762044	0.414964	5.360973
## 3659	28	7.008825	3.253910	29.661423
## 3660	45	0.650918	0.282530	5.914357
## 3661	61	0.795031	0.585941	4.783895
## 3662	51	1.590442	1.932581	6.818153
## 3663	44	3.992293	2.002813	10.108303
## 3664	69	4.709024	1.687047	17.442675
## 3665	49	0.956222	0.403086	4.416786
## 3666	25	4.458724	2.085061	21.171762
## 3667	33	9.476895	4.141275	23.337833
## 3668	57	7.385250	3.250943	19.635225
## 3669	49	3.835024	2.224601	8.938533
## 3670	56	6.740136	4.565174	23.681370
## 3671	41	3.365794	1.504507	12.399606
## 3672	99	7.156042	4.821184	10.337374

## 3673	95	4.297699	0.985466	10.945578
## 3674	95	0.040834	0.054995	1.055158
## 3675	29	0.017871	0.014518	1.236706
## 3676	105	0.985826	0.677431	3.171838
## 3677	114	0.333582	0.343861	1.991953
## 3678	58	0.061763	0.232720	1.859184
## 3679	97	2.641868	1.663154	6.661200
## 3680	25	0.177000	0.723805	2.962315
## 3681	87	0.193982	0.100315	1.620883
## 3682	25	0.268325	0.551617	4.526099
## 3683	226	0.284650	0.581560	3.388008
## 3684	260	0.236131	0.100701	1.880786
## 3685	97	0.404459	0.262618	2.475890
## 3686	63	0.403539	0.171663	1.868832
## 3687	100	0.115828	0.057865	1.611665
## 3688	114	2.893351	1.241123	10.088630
## 3689	129	1.789941	1.231635	9.133573
## 3690	80	0.783487	0.425166	3.034480
## 3691	49	0.084155	0.138162	1.165568
## 3692	132	0.406782	0.263257	2.269794
## 3693	95	0.021524	0.060981	0.338081
## 3694	47	6.452642	3.645872	17.737020
## 3695	347	0.614606	0.558345	4.350469
## 3696	204	0.173664	0.632295	2.570831
## 3697	490	0.799772	0.576911	3.638410
## 3698	284	0.019622	0.016380	1.555275
## 3699	227	0.715402	0.519877	3.456461
## 3700	92	0.063516	0.260848	1.810148
## 3701	92	0.775964	0.431352	3.468494
## 3702	73	0.346088	0.191829	2.524697
## 3703	98	0.046572	0.169149	1.908658
## 3704	49	0.192674	0.158332	2.235993
## 3705	76	0.018900	0.049399	1.569458
## 3706	378	0.486073	0.334569	2.927212
## 3707	284	0.038405	0.076388	1.667461
## 3708	150	1.288930	0.733629	5.833168
## 3709	155	0.110874	0.070734	1.842842
## 3710	52	0.337846	0.279418	2.252288
## 3711	103	0.124054	0.107962	2.247589
## 3712	197	0.056407	0.178371	1.781509
## 3713	640	0.785885	0.450581	3.784653
## 3714	319	0.293225	0.592023	2.938807
## 3715	245	0.053477	0.056968	1.783675
## 3716	131	0.585624	0.277347	3.005343
## 3717	158	1.230392	0.583701	4.254766
## 3718	146	0.117548	0.139041	2.023491
## 3719	560	0.787783	0.408356	3.657134
## 3720	200	0.054216	0.087509	1.778750
## 3721	29	0.293761	0.242283	2.625041
## 3722	161	0.120566	0.086478	1.960029
## 3723	53	0.478570	0.197084	3.573453
## 3724	63	0.051762	0.035596	1.727269
## 3725	171	0.693559	0.359889	3.872631
## 3726	38	3.016188	1.383896	13.336470

## 3727	35	0.611692	0.830125	9.265415
## 3728	27	3.803055	1.652505	11.522492
## 3729	25	6.829893	3.343911	28.737644
## 3730	46	1.082825	0.514011	5.657169
## 3731	75	0.245214	0.140416	1.674451
## 3732	55	2.089434	0.896011	5.765521
## 3733	27	3.022437	1.537504	6.425176
## 3734	25	1.393199	0.640799	4.615972
## 3735	121	2.010872	0.737259	7.870190
## 3736	60	0.495786	0.474036	2.190668
## 3737	34	0.019731	0.111942	0.270744
## 3738	25	0.831608	0.761303	3.676817
## 3739	25	0.444321	1.348078	4.292321
## 3740	25	9.192992	4.609539	15.649091
## 3741	93	0.351421	0.178113	2.864963
## 3742	68	2.662458	2.459270	9.692593
## 3743	61	1.484342	1.269089	13.826165
## 3744	62	7.477020	17.517557	7.738715
## 3745	39	1.526431	1.003700	7.982566
## 3746	25	0.376879	0.458804	2.834641
## 3747	25	0.372133	0.848534	4.566756
## 3748	42	0.681157	0.752254	5.707626
## 3749	44	0.124608	0.103345	1.941960
## 3750	34	0.605334	0.536472	3.060991
## 3751	29	4.505153	2.842693	17.160963
## 3752	53	0.395430	0.377034	2.611778
## 3753	80	1.808548	2.459358	10.608028
## 3754	57	1.295566	1.028098	5.056072
## 3755	40	2.215527	2.229151	12.890999
## 3756	47	0.549685	0.262688	2.271735
## 3757	44	0.194141	0.091085	2.111798
## 3758	73	0.678275	1.702852	2.655015
## 3759	73	3.194276	1.961998	15.579909
## 3760	31	0.373176	0.436022	11.933577
## 3761	64	0.157617	0.253557	4.333916
## 3762	73	6.280583	1.925008	13.239975
## 3763	29	0.627831	0.401895	2.836976
## 3764	47	0.438819	0.258496	2.686591
## 3765	49	0.117085	0.182069	1.650371
## 3766	78	0.547440	0.332017	2.832120
## 3767	167	4.892502	4.154679	11.673181
## 3768	58	11.358731	5.366450	22.152534
## 3769	97	4.086816	2.098931	10.951852
## 3770	71	2.794648	1.340674	11.355034
## 3771	224	0.680110	0.941794	5.588750
## 3772	133	6.115217	1.727446	19.521564
## 3773	45	0.789187	0.277851	4.524420
## 3774	66	1.547162	0.586544	6.432307
## 3775	68	3.115449	1.038848	8.010460
## 3776	72	2.093478	0.665213	8.887456
## 3777	110	0.352591	0.114323	2.342751
## 3778	95	4.915963	2.422157	11.083621
## 3779	79	2.955100	1.504674	11.307858
## 3780	43	0.469967	0.237168	3.855608

## 3781	106	5.543512	2.151968	18.795042
## 3782	174	1.126123	0.247795	4.844815
## 3783	25	0.945134	0.419778	10.577689
## 3784	270	3.041025	3.481020	10.603877
## 3785	62	0.518002	0.269439	2.871584
## 3786	95	2.184838	0.926165	6.951579
## 3787	110	6.525868	2.322761	14.881262
## 3788	206	3.937232	3.004421	11.110373
## 3789	55	3.499587	5.855625	19.115967
## 3790	75	0.046535	0.036956	1.073736
## 3791	44	1.978973	0.866637	17.593782
## 3792	79	0.743897	0.748840	5.059012
## 3793	55	0.757903	0.993865	3.308799
## 3794	31	1.346799	0.754061	7.252905
## 3795	190	2.728548	2.086534	11.055875
## 3796	95	0.827028	0.377765	3.189697
## 3797	44	1.978638	0.731609	5.134312
## 3798	62	2.243666	1.258689	17.963827
## 3799	71	0.691176	0.888571	4.949066
## 3800	30	1.353551	0.887471	8.304255
## 3801	33	0.715645	0.417723	3.498978
## 3802	28	1.028686	0.496844	4.711709
## 3803	25	2.869781	1.471769	12.446042
## 3804	37	1.055389	0.688959	3.867117
## 3805	26	2.232008	1.727242	13.238005
## 3806	25	1.314290	2.322203	13.370007
## 3807	44	1.023223	0.432717	11.056477
## 3808	34	0.677264	0.302509	3.887880
## 3809	90	0.134027	0.083717	1.260922
## 3810	56	0.713638	0.352206	3.850724
## 3811	55	0.241639	0.918920	2.799262
## 3812	48	6.548872	3.679828	18.332827
## 3813	106	0.910923	0.701544	6.844025
## 3814	230	0.183709	0.160288	2.063201
## 3815	152	0.096336	0.291556	2.685977
## 3816	235	0.278939	0.793783	2.422815
## 3817	591	1.011415	0.628588	4.093507
## 3818	189	0.160439	0.756075	2.136624
## 3819	248	0.435232	0.873564	3.508842
## 3820	91	0.394814	0.182816	3.283961
## 3821	217	0.162966	0.090456	1.655506
## 3822	309	0.417394	0.353286	2.832203
## 3823	262	0.094314	0.065497	1.655270
## 3824	158	0.940700	0.473956	3.707652
## 3825	95	0.305604	0.276175	2.427035
## 3826	188	0.982838	0.500540	3.832715
## 3827	93	0.225983	0.109286	2.054430
## 3828	282	0.884878	0.637803	3.623381
## 3829	306	0.607511	0.724099	3.852458
## 3830	197	0.800649	0.471730	3.730091
## 3831	766	0.458299	0.608566	3.239003
## 3832	240	1.256926	0.661077	5.107259
## 3833	116	0.194682	0.090240	1.952901
## 3834	67	0.445585	0.226454	2.647454

## 3835	167	0.240082	0.123902	2.251650
## 3836	179	0.543873	0.339836	3.052510
## 3837	60	0.208057	0.090835	2.059946
## 3838	730	0.424280	0.311447	2.365321
## 3839	163	0.274332	0.799945	3.120805
## 3840	429	0.582449	0.289893	3.768937
## 3841	130	0.033087	0.115525	3.050995
## 3842	254	0.112736	0.110304	2.438546
## 3843	69	1.002720	0.432706	3.669895
## 3844	283	3.663314	1.263364	9.882187
## 3845	145	0.720777	0.482530	3.649984
## 3846	85	0.151250	0.104289	1.873374
## 3847	243	1.122436	0.575286	3.830210
## 3848	92	0.201393	0.192032	1.876915
## 3849	146	1.642241	0.980194	4.715470
## 3850	239	0.732522	0.130756	3.057108
## 3851	489	0.463603	0.234027	3.464620
## 3852	232	0.303139	0.763192	2.590632
## 3853	174	0.635584	0.698215	3.571508
## 3854	63	1.214472	0.464548	4.257464
## 3855	110	0.415808	1.106326	3.350080
## 3856	169	0.537353	0.441433	3.696964
## 3857	92	0.137815	0.281841	3.472291
## 3858	48	0.718696	0.743994	4.525245
## 3859	43	0.783062	0.624850	3.762360
## 3860	39	3.056047	1.352020	14.001948
## 3861	43	0.498612	0.674824	7.348427
## 3862	56	11.229210	3.520212	16.865656
## 3863	30	1.437193	1.351464	12.120850
## 3864	29	2.544995	1.507462	17.360994
## 3865	33	1.185698	0.948869	13.404743
## 3866	42	3.021667	1.351184	18.921432
## 3867	44	2.563738	1.407074	18.110481
## 3868	25	5.940314	3.071527	16.419165
## 3869	25	1.367961	0.651623	5.306169
## 3870	25	1.629989	1.362022	28.591379
## 3871	40	1.848708	1.293599	5.874253
## 3872	25	2.702177	1.720417	26.048286
## 3873	42	2.013653	2.051497	13.147450
## 3874	25	6.953810	3.305862	16.278896
## 3875	25	4.760365	2.450482	17.345100
## 3876	28	3.102236	2.066209	19.449438
## 3877	47	6.943125	4.555871	25.701572
## 3878	36	5.043644	3.834518	37.308064
## 3879	25	3.648394	1.920186	27.167507
## 3880	25	5.070744	3.204260	13.572131
## 3881	56	4.394414	1.640006	12.544581
## 3882	46	0.602212	1.153069	9.824835
## 3883	26	0.988812	2.130277	5.448169
## 3884	25	0.874560	0.617343	3.704265
## 3885	31	2.593086	1.094011	9.042780
## 3886	45	2.556242	3.867712	8.728555
## 3887	44	2.972330	2.786115	13.245014
## 3888	26	1.552795	0.767874	5.972925

## 3889	27	0.999228	0.522954	4.381724
## 3890	70	1.955362	1.382100	11.527006
## 3891	25	0.449583	0.317899	1.991417
## 3892	27	2.734621	1.474754	6.217072
## 3893	36	3.982680	1.646351	11.381064
## 3894	44	1.761892	0.724537	6.281204
## 3895	182	0.964996	0.762158	3.969839
## 3896	80	0.526283	1.392579	4.172633
## 3897	46	0.120749	0.470031	1.038756
## 3898	25	2.209628	1.428872	22.795849
## 3899	25	2.611085	2.053294	22.409676
## 3900	25	2.861755	2.514403	15.317534
## 3901	90	0.669660	0.246506	3.789619
## 3902	42	5.073019	1.729400	13.245259
## 3903	90	0.960496	0.449468	4.381926
## 3904	84	3.364567	1.697202	8.832402
## 3905	81	2.373131	1.078175	15.916751
## 3906	30	1.454707	0.748040	13.175807
## 3907	226	3.546555	3.792572	13.872576
## 3908	25	1.521329	1.358735	22.182119
## 3909	65	4.247511	2.580964	15.347988
## 3910	33	1.046679	0.709857	10.901804
## 3911	99	0.764928	0.358928	7.206150
## 3912	44	1.296017	0.625911	4.086454
## 3913	53	0.232172	0.111678	2.569010
## 3914	86	2.079330	1.068385	9.589578
## 3915	41	2.813497	1.507332	14.557362
## 3916	93	0.762514	0.415996	5.455908
## 3917	28	7.020626	3.348924	29.824141
## 3918	46	0.722380	0.473411	6.537369
## 3919	60	0.861524	0.672338	4.528406
## 3920	51	1.623601	1.950523	6.934002
## 3921	44	4.003449	2.011457	10.272234
## 3922	70	4.683103	1.708027	17.592421
## 3923	48	0.965130	0.372537	4.003687
## 3924	26	4.670465	2.111147	21.946815
## 3925	32	9.508347	4.206092	23.007877
## 3926	57	7.594983	3.237169	20.228064
## 3927	50	4.284429	2.492299	11.517080
## 3928	56	6.638410	4.151771	24.262043
## 3929	41	3.306876	1.474973	11.927414
## 3930	99	7.153018	4.885635	10.399367
## 3931	29	6.695941	4.018632	36.365643
## 3932	25	9.100779	4.873656	20.947691
## 3933	25	6.589136	3.966710	20.867071
## 3934	40	2.600006	2.063755	13.244850
## 3935	25	4.113559	3.274803	14.223529
## 3936	100	2.842972	4.204094	11.063465
## 3937	36	4.201409	3.138576	24.650042
## 3938	34	2.205858	2.674963	29.739132
## 3939	64	1.960374	2.501640	15.903226
## 3940	25	3.343418	1.923860	19.211636
## 3941	28	0.458892	0.602662	2.934877
## 3942	25	0.722265	0.622128	10.280067

## 3943	81	2.635396	1.604049	11.452377
## 3944	52	0.589541	1.132571	6.977483
## 3945	28	3.124646	1.308518	7.861204
## 3946	55	1.786004	2.286806	11.649549
## 3947	36	1.861416	0.986619	5.868505
## 3948	136	2.619775	2.333391	8.404256
## 3949	139	1.320870	1.482763	6.643818
## 3950	54	6.258539	4.018109	17.025682
## 3951	34	2.717023	3.771298	12.341935
## 3952	25	2.589764	1.989265	11.131991
## 3953	25	2.099950	1.135694	7.353956
## 3954	58	1.882075	2.891144	9.860249
## 3955	38	1.924757	3.210145	6.035278
## 3956	29	1.162843	2.443938	7.008246
## 3957	31	2.206611	2.485779	13.058941
## 3958	32	0.813762	1.887659	7.619823
## 3959	41	3.333447	2.137660	10.999767
## 3960	31	1.864378	1.570819	9.774396
## 3961	30	3.170119	1.811446	25.027609
## 3962	25	2.130922	2.169918	12.598926
## 3963	38	1.075164	1.802278	8.559373
## 3964	25	6.933494	9.133464	26.705215
## 3965	44	1.342839	2.039195	11.049789
## 3966	37	2.229363	2.098081	10.983439
## 3967	135	0.135060	0.763005	1.899886
## 3968	59	1.906330	1.490059	13.233961
## 3969	61	7.902394	18.062309	6.205997
## 3970	65	0.033052	0.068133	0.355646
## 3971	37	0.629607	0.364350	8.735023
## 3972	122	1.233351	0.549778	6.176245
## 3973	144	1.735335	0.348281	6.573781
## 3974	69	0.624389	0.173557	2.576582
## 3975	39	0.649065	0.352733	4.038405
## 3976	109	0.486313	0.423706	5.549111
## 3977	34	2.331735	6.903857	19.558956
## 3978	149	0.046186	0.195786	2.544067
## 3979	238	0.471782	0.224701	3.798766
## 3980	109	1.771995	0.914163	6.468639
## 3981	61	1.561775	0.920104	6.679275
## 3982	159	0.434563	0.237621	2.717831
## 3983	655	0.305013	0.286904	1.897070
## 3984	299	0.099834	0.312824	1.784976
## 3985	326	0.231104	0.214941	1.978134
## 3986	225	0.025155	0.089442	2.634212
## 3987	373	1.552643	1.604138	6.448549
## 3988	41	0.750250	1.897069	5.455851
## 3989	1343	0.298183	0.253249	1.824436
## 3990	291	0.404179	0.306391	2.611210
## 3991	427	0.467609	0.435172	2.276694
## 3992	48	0.373928	0.169442	2.577127
## 3993	73	1.045719	0.826072	4.911994
## 3994	115	0.598799	0.426178	3.170423
## 3995	69	0.052615	0.135608	3.697729
## 3996	469	0.262318	0.162736	2.455527

## 3997	117	0.037293	0.120041	2.862510
## 3998	522	0.776625	0.173630	4.629671
## 3999	348	0.018518	0.074538	2.071523
## 4000	588	0.501461	0.238455	2.829010
## 4001	81	0.534343	1.445523	3.985845
## 4002	427	0.379346	0.246197	2.886197
## 4003	80	0.332947	0.242162	2.662349
## 4004	48	0.158330	0.089006	2.201839
## 4005	66	0.103381	0.126242	1.538844
## 4006	77	0.244105	0.456487	3.820874
## 4007	82	0.323679	0.251957	3.003326
## 4008	172	0.083434	0.053628	1.626065
## 4009	217	0.877024	0.410478	3.529988
## 4010	154	0.022506	0.022817	1.387669
## 4011	506	0.448751	0.291902	2.778250
## 4012	175	0.029772	0.032502	1.553677
## 4013	428	0.634611	0.292531	3.182697
## 4014	237	1.213336	0.611582	6.307158
## 4015	237	0.726419	0.371435	3.319380
## 4016	197	1.387417	0.635533	6.789119
## 4017	191	0.946537	0.647050	4.150824
## 4018	373	0.897450	0.260336	5.090634
## 4019	319	0.828237	0.499392	3.837636
## 4020	332	0.797877	0.402264	4.649403
## 4021	408	0.811547	0.415300	3.910442
## 4022	267	0.587657	0.449519	4.186735
## 4023	139	1.005816	0.940547	4.612093
## 4024	57	1.096062	0.602617	5.523311
## 4025	134	1.163931	1.038678	4.581741
## 4026	154	1.011476	0.228163	5.414171
## 4027	409	0.732173	0.453123	3.624350
## 4028	357	0.798465	0.373801	4.762820
## 4029	186	0.582933	0.429970	2.928835
## 4030	68	0.951459	0.293699	5.304472
## 4031	97	0.526794	0.493790	2.851424
## 4032	174	0.045430	0.142946	2.769921
## 4033	191	0.571934	0.385699	4.015083
## 4034	145	0.516157	0.131910	2.528350
## 4035	426	0.658521	0.362600	3.037063
## 4036	212	0.021309	0.077329	1.425952
## 4037	172	0.425522	0.196952	2.432806
## 4038	28	0.056095	0.060139	1.470678
## 4039	427	0.474213	0.657523	3.350766
## 4040	936	0.727423	0.317855	3.707958
## 4041	61	0.148411	0.066684	2.449084
## 4042	371	0.763015	0.382099	4.005321
## 4043	108	0.163584	0.154399	2.431138
## 4044	663	0.786308	0.368565	3.940996
## 4045	33	0.154961	0.144007	2.215347
## 4046	225	0.765159	0.368000	3.850213
## 4047	593	0.614332	0.628465	3.800325
## 4048	65	2.793596	1.013908	10.587991
## 4049	38	3.030758	1.317293	13.790387
## 4050	50	0.445077	0.673626	6.454528

## 4051	38	2.025026	3.899590	3.837885
## 4052	25	0.953452	1.036101	11.965523
## 4053	39	6.762918	3.376802	26.598473
## 4054	25	1.496656	1.456230	12.240758
## 4055	33	1.636281	1.930965	12.137755
## 4056	26	2.544991	1.678790	16.884943
## 4057	47	1.149911	1.433705	7.145824
## 4058	25	3.566586	1.840876	12.054663
## 4059	39	1.761382	0.672264	8.897032
## 4060	25	3.443350	1.994711	21.041981
## 4061	25	2.058797	1.619447	11.333151
## 4062	25	4.246607	2.223018	19.170488
## 4063	32	2.010020	1.122734	11.517428
## 4064	38	5.695646	2.656985	29.079920
## 4065	27	6.924745	3.182611	23.822645
## 4066	25	5.315875	3.374533	10.403795
## 4067	27	2.941741	1.896177	22.819380
## 4068	27	2.223151	1.523399	8.602980
## 4069	25	6.916832	3.284864	13.215669
## 4070	27	3.593906	2.150246	25.426844
## 4071	25	4.193349	4.305664	27.424088
## 4072	36	1.787451	2.038989	13.578026
## 4073	35	3.045819	1.569633	17.602217
## 4074	32	0.194211	0.758957	2.078319
## 4075	28	0.520044	0.261343	2.198382
## 4076	30	0.569549	0.261711	2.597971
## 4077	25	1.050775	0.470635	4.703204
## 4078	38	2.783974	1.418120	8.982837
## 4079	42	2.853161	2.166586	13.390132
## 4080	197	1.406072	0.951979	4.249748
## 4081	39	1.776899	1.044711	13.719024
## 4082	53	1.071201	0.881381	7.860814
## 4083	39	1.949614	2.392381	27.220493
## 4084	25	0.647183	0.621941	8.465506
## 4085	28	0.483223	0.199469	1.878473
## 4086	26	0.182055	0.086712	1.567028
## 4087	25	1.992239	1.554786	8.359154
## 4088	26	0.684473	0.311665	2.181930
## 4089	27	0.363502	0.402339	2.936831
## 4090	28	0.719907	0.336314	4.651912
## 4091	34	1.691003	1.499991	18.381063
## 4092	28	2.428163	1.120740	7.274489
## 4093	25	8.543975	4.407600	24.492664
## 4094	25	2.509016	1.232181	10.906907
## 4095	26	2.238898	1.239358	8.850384
## 4096	31	3.870894	1.563807	8.878480
## 4097	29	0.781720	0.403357	5.928502
## 4098	34	5.428325	2.255170	8.983257
## 4099	55	0.961382	0.688102	4.814948
## 4100	37	4.440372	1.717643	9.084351
## 4101	36	2.221934	1.587130	22.521757
## 4102	25	3.168241	2.136647	17.427116
## 4103	25	2.754801	1.955469	14.662195
## 4104	27	3.102223	2.399938	12.515693

## 4105	94	5.460622	3.275487	17.763992
## 4106	27	0.858185	0.563448	8.061022
## 4107	32	1.317186	0.701156	7.259431
## 4108	51	1.695317	0.914825	6.124430
## 4109	148	0.438672	0.799158	2.528369
## 4110	31	5.313746	4.557193	38.869232
## 4111	25	2.043213	1.497964	11.160674
## 4112	39	5.177323	2.535444	18.614456
## 4113	25	5.358104	2.823094	13.068967
## 4114	25	1.378992	1.189544	5.596107
## 4115	43	3.263429	2.186469	8.694687
## 4116	51	0.588856	1.841814	7.983917
## 4117	95	4.453892	1.112411	11.509451
## 4118	95	0.039338	0.042692	1.053572
## 4119	29	0.015354	0.013130	1.269681
## 4120	105	1.009589	0.699615	3.289486
## 4121	114	0.362893	0.499865	2.199530
## 4122	59	0.074037	0.372690	1.829038
## 4123	96	2.622531	1.646049	6.469369
## 4124	25	0.114864	0.394126	2.876078
## 4125	88	0.194347	0.106349	1.637154
## 4126	25	0.160761	0.199523	3.204044
## 4127	223	0.290331	0.615579	3.275147
## 4128	260	0.235789	0.093138	1.885215
## 4129	97	0.383825	0.191730	2.405182
## 4130	63	0.407787	0.174197	1.828915
## 4131	100	0.110159	0.051904	1.554020
## 4132	113	2.889838	1.245362	10.000628
## 4133	130	1.802337	1.251138	9.288763
## 4134	80	0.773578	0.384275	2.901270
## 4135	49	0.085491	0.117884	1.253310
## 4136	135	0.399742	0.140639	2.202501
## 4137	64	0.187908	0.270533	4.512213
## 4138	73	6.583142	2.055802	13.251801
## 4139	29	0.631878	0.421006	2.826100
## 4140	46	0.457179	0.291318	2.366835
## 4141	49	0.112332	0.178328	1.621578
## 4142	79	0.565450	0.339736	3.135562
## 4143	166	4.884998	4.165321	11.609688
## 4144	59	11.316257	5.382006	22.168455
## 4145	95	4.113314	2.134380	10.400877
## 4146	73	2.808289	1.166165	11.859408
## 4147	40	0.386312	1.117836	8.310094
## 4148	48	6.390919	3.574364	17.960524
## 4149	414	0.561217	0.418552	3.808595
## 4150	168	1.876119	1.527224	8.211931
## 4151	59	0.716082	0.383556	3.312515
## 4152	145	3.431721	2.680480	10.341040
## 4153	71	2.199372	1.284627	7.798464
## 4154	103	6.276124	2.022372	16.297947
## 4155	91	1.367530	0.463692	6.590489
## 4156	240	1.013286	0.638494	4.175099
## 4157	133	0.707287	0.663465	3.660633
## 4158	66	0.675776	0.468443	8.141452

## 4159	39	0.070965	0.079961	1.266268
## 4160	104	0.695942	0.586614	3.060781
## 4161	151	0.418155	0.706449	2.994454
## 4162	38	0.341078	0.358711	4.471672
## 4163	107	0.123898	0.129261	3.800591
## 4164	121	0.260861	0.441861	4.779501
## 4165	165	1.168330	2.082717	5.594821
## 4166	128	0.977966	0.608628	4.283819
## 4167	170	8.041299	3.573520	17.502853
## 4168	58	2.036136	0.669352	6.616945
## 4169	60	1.866135	0.547821	5.721532
## 4170	211	1.127913	0.751708	3.841712
## 4171	25	4.032578	3.584962	29.124451
## 4172	57	0.714177	0.439829	7.013457
## 4173	97	1.297878	0.623503	11.904015
## 4174	52	1.787336	0.633531	6.580071
## 4175	36	5.917392	3.745616	14.202829
## 4176	138	5.508776	2.646972	14.841730
## 4177	55	2.129493	0.644931	13.240723
## 4178	43	0.144695	0.122565	1.680991
## 4179	84	5.538349	2.297875	10.488394
## 4180	99	0.583182	0.280230	5.340210
## 4181	63	0.218533	0.100910	2.363901
## 4182	51	0.169461	0.131138	1.886452
## 4183	34	0.234656	0.173107	1.878700
## 4184	103	0.154476	0.353885	3.218871
## 4185	126	0.146643	0.138191	2.198109
## 4186	121	0.553349	0.221472	3.460998
## 4187	159	0.074690	0.071475	1.601382
## 4188	117	0.753577	0.448463	3.475826
## 4189	127	0.042437	0.062439	1.458978
## 4190	159	0.561182	0.460816	3.039557
## 4191	403	0.495972	0.327753	2.890102
## 4192	108	0.420806	0.242787	2.755282
## 4193	395	0.497449	0.240808	3.085740
## 4194	1405	0.717805	0.344335	3.765383
## 4195	172	0.363132	0.168011	3.154156
## 4196	295	0.785137	0.353575	3.761025
## 4197	62	0.271339	0.226715	2.731911
## 4198	111	0.033716	0.055283	1.653771
## 4199	339	0.703036	0.498544	3.173010
## 4200	253	0.016739	0.009678	1.323907
## 4201	129	0.590055	0.342985	2.680411
## 4202	199	0.631557	0.398563	3.381621
## 4203	94	0.036636	0.031820	1.486865
## 4204	57	0.988800	0.454707	3.938719
## 4205	741	0.211493	0.161310	1.865474
## 4206	108	0.258391	0.404231	5.127906
## 4207	95	0.610855	0.298341	2.825445
## 4208	96	0.083209	0.058934	1.737404
## 4209	245	0.918107	0.445459	4.041807
## 4210	179	0.209088	0.457003	2.317370
## 4211	48	0.626280	0.285649	3.005000
## 4212	47	0.254404	0.958980	2.795601

## 4213	132	0.327889	0.182751	2.720222
## 4214	135	0.063110	0.050744	1.585248
## 4215	109	0.571316	0.310049	3.088739
## 4216	36	0.026149	0.064149	1.668232
## 4217	423	0.648497	0.374570	3.237789
## 4218	124	0.067257	0.043043	1.525207
## 4219	123	0.671832	0.371030	3.517345
## 4220	134	0.072897	0.039180	1.674755
## 4221	522	0.687624	0.440214	2.955118
## 4222	137	0.035193	0.072647	1.613570
## 4223	77	0.410671	0.205861	2.279207
## 4224	162	0.042865	0.098543	1.633433
## 4225	381	0.711579	0.478411	3.471808
## 4226	118	0.132716	0.260569	2.349164
## 4227	248	0.588920	0.385128	3.707370
## 4228	38	3.041761	1.366493	13.855252
## 4229	49	0.507388	0.756532	6.844753
## 4230	32	1.664898	1.076603	7.943811
## 4231	25	2.422134	1.196938	8.845046
## 4232	25	2.711674	1.525744	14.221929
## 4233	44	1.722350	0.975377	5.996138
## 4234	79	1.282837	1.243534	6.552022
## 4235	25	3.199897	1.526807	9.345680
## 4236	41	1.400989	1.766319	9.048959
## 4237	44	4.078310	2.122413	16.542299
## 4238	40	1.642537	0.758282	7.781997
## 4239	32	2.283738	0.995438	9.201493
## 4240	37	8.377186	4.014684	21.271154
## 4241	105	1.397948	1.450555	8.554838
## 4242	122	1.528526	2.962356	7.366768
## 4243	83	0.081891	0.024687	0.618644
## 4244	58	2.686254	4.604981	10.944125
## 4245	88	0.786873	0.541119	4.954757
## 4246	54	0.458150	0.594018	3.010829
## 4247	64	2.688986	2.583094	11.154789
## 4248	62	1.711959	1.622304	2.703366
## 4249	59	1.778658	0.628014	8.776985
## 4250	33	1.993423	0.762368	5.942522
## 4251	62	0.243184	0.177594	1.354740
## 4252	90	0.863638	0.294501	3.596048
## 4253	76	2.482831	0.932862	17.742512
## 4254	94	2.362510	0.878081	13.211286
## 4255	77	0.665697	0.868383	7.799705
## 4256	44	11.558993	21.599520	9.823907
## 4257	36	3.976082	3.212450	24.743235
## 4258	34	2.134052	2.429931	30.330460
## 4259	65	2.090827	2.788937	15.925144
## 4260	25	3.370828	1.904954	18.093651
## 4261	27	0.393036	0.473556	2.684456
## 4262	25	0.715459	0.623488	10.211922
## 4263	81	2.895113	2.507269	11.589846
## 4264	52	0.620094	1.166479	7.292601
## 4265	28	3.334068	1.416066	9.059802
## 4266	55	1.843156	2.322886	11.978406

## 4267	36	1.870118	0.976863	5.938156
## 4268	136	2.625807	2.342823	8.377249
## 4269	140	1.300043	1.346235	6.728631
## 4270	264	3.059474	3.433910	10.341591
## 4271	62	0.522749	0.263977	3.006829
## 4272	95	2.176299	0.911302	6.976442
## 4273	110	6.533092	2.326000	14.902993
## 4274	206	3.947794	2.995100	11.153537
## 4275	25	1.826078	1.221240	22.630793
## 4276	29	2.363284	1.700461	22.363749
## 4277	28	3.239637	2.676118	15.210958
## 4278	90	0.660725	0.236273	3.587584
## 4279	42	5.094681	1.745167	13.158397
## 4280	89	0.943266	0.388619	4.197751
## 4281	84	3.366154	1.678828	9.135116
## 4282	82	2.404167	1.092552	16.353691
## 4283	30	1.425639	0.735008	13.121662
## 4284	56	4.845830	7.798302	18.036963
## 4285	169	3.178931	1.429208	12.054614
## 4286	25	1.295372	1.300069	20.217907
## 4287	25	4.994000	2.277367	27.311775
## 4288	38	4.904541	1.906579	12.216045
## 4289	40	0.950371	0.629491	6.093912
## 4290	44	7.905556	3.482239	24.297144
## 4291	88	1.664701	3.521787	8.297277
## 4292	33	2.941285	4.802806	21.170263
## 4293	25	0.810237	0.429621	3.157548
## 4294	31	2.617134	1.103141	9.021704
## 4295	44	2.662988	4.072622	8.599311
## 4296	45	3.033414	2.832982	14.071243
## 4297	26	1.551397	0.739935	5.914671
## 4298	27	0.982887	0.497942	4.178783
## 4299	70	1.995660	1.420941	11.397696
## 4300	25	0.453889	0.335064	2.128936
## 4301	27	2.745093	1.478462	6.230876
## 4302	36	4.096224	1.709114	11.514785
## 4303	43	1.760602	0.742486	6.298390
## 4304	183	0.976099	0.768465	4.179757
## 4305	80	0.556348	1.504000	4.107968
## 4306	46	0.125851	0.427150	0.981901
## 4307	28	3.706838	1.606713	12.535265
## 4308	25	6.703429	3.298762	28.032848
## 4309	47	1.113826	0.669045	6.522736
## 4310	74	0.240994	0.126977	1.584569
## 4311	55	2.094980	0.906755	5.993462
## 4312	28	3.046206	1.500808	6.999188
## 4313	25	1.405677	0.645360	4.685605
## 4314	120	2.009043	0.735517	7.819936
## 4315	61	0.487881	0.469129	2.243200
## 4316	33	0.001042	0.003925	0.227341
## 4317	25	0.813489	0.776812	3.753397
## 4318	25	0.416743	1.400154	3.732111
## 4319	25	9.372961	4.691455	15.319488
## 4320	93	0.354018	0.186926	2.963136

## 4321	68	2.649769	2.415653	9.675221
## 4322	82	1.071684	1.173231	10.114404
## 4323	41	12.226827	22.900051	8.456351
## 4324	58	0.041889	0.087728	0.325468
## 4325	25	3.846553	3.391398	18.409193
## 4326	25	7.622038	3.432566	18.626341
## 4327	314	0.662128	0.439377	4.221699
## 4328	74	0.128488	0.262589	2.409878
## 4329	104	0.124045	0.286041	2.752326
## 4330	316	0.504376	0.268739	3.437111
## 4331	326	0.469281	0.469038	3.308639
## 4332	187	0.026698	0.085624	2.923381
## 4333	963	0.423727	0.306522	3.226159
## 4334	264	0.737939	0.441023	3.715429
## 4335	227	0.478040	0.362615	4.045354
## 4336	99	0.861347	0.208831	3.935441
## 4337	301	0.631986	0.433828	4.173886
## 4338	170	0.025198	0.070235	2.667334
## 4339	939	0.592124	0.381161	3.592641
## 4340	412	0.433255	0.172430	2.761239
## 4341	244	0.529409	0.373897	3.281726
## 4342	76	3.307980	1.262331	10.590385
## 4343	156	2.222900	0.679452	6.020313
## 4344	25	2.421956	1.161565	6.296190
## 4345	445	0.516501	0.257044	3.425530
## 4346	133	0.289995	0.130545	2.455008
## 4347	216	0.732224	0.427955	3.471337
## 4348	674	0.414401	0.177648	2.861498
## 4349	823	0.499223	0.203790	3.158693
## 4350	576	0.451918	0.201035	2.875025
## 4351	248	0.555518	0.224332	3.182386
## 4352	58	4.428208	1.425071	8.706097
## 4353	343	6.415574	3.211167	13.624714
## 4354	430	0.593191	0.234959	3.183220
## 4355	236	0.452132	0.161187	3.133571
## 4356	506	0.683809	0.312528	3.448896
## 4357	404	0.419580	0.190275	2.811855
## 4358	693	1.268841	0.757769	3.918356
## 4359	190	0.421393	0.245509	3.347690
## 4360	199	0.512952	0.203894	3.029652
## 4361	165	3.633389	1.457850	13.530014
## 4362	50	0.278567	0.115418	2.277177
## 4363	96	5.242003	1.876070	11.035603
## 4364	178	2.076278	1.380990	6.253991
## 4365	28	1.227932	0.578072	6.077964
## 4366	68	1.434193	0.410158	5.818216
## 4367	35	3.741517	1.945621	10.326599
## 4368	182	3.377311	1.686319	10.236748
## 4369	709	0.642809	0.254304	3.560971
## 4370	86	0.383449	0.176214	3.785783
## 4371	299	0.394743	0.270486	3.260067
## 4372	38	2.990598	1.325760	13.478473
## 4373	50	0.464623	0.682665	6.566992
## 4374	41	4.039749	1.485482	13.451836

## 4375	34	4.125070	2.376353	15.739734
## 4376	37	3.833269	2.033536	12.948187
## 4377	39	3.481085	1.691219	12.410949
## 4378	26	2.887697	1.313412	6.659579
## 4379	25	3.091323	1.449976	10.688386
## 4380	25	1.880989	0.830181	5.657695
## 4381	31	4.916797	2.040525	14.723977
## 4382	25	3.817001	2.074382	13.985809
## 4383	26	5.622244	2.482601	14.937826
## 4384	27	1.883937	0.929889	8.240738
## 4385	38	1.405345	1.054663	14.058387
## 4386	25	1.020289	1.497970	5.093750
## 4387	27	0.771719	0.346697	3.191487
## 4388	25	0.084916	0.044151	1.104946
## 4389	25	5.226603	2.399891	13.189837
## 4390	45	1.915096	1.451162	8.990517
## 4391	25	0.270670	0.236431	3.182083
## 4392	28	0.296315	0.147513	2.519983
## 4393	27	0.534528	0.261488	6.099267
## 4394	26	0.232648	0.108325	1.996197
## 4395	27	0.551515	0.250075	3.005815
## 4396	72	0.679684	0.607423	2.818705
## 4397	26	6.931947	4.262742	33.578312
## 4398	25	9.241651	5.022489	20.810808
## 4399	25	6.706994	3.998965	20.793970
## 4400	40	2.505584	1.943692	13.156599
## 4401	25	4.160444	3.297206	14.205047
## 4402	100	2.811759	4.123673	11.077548
## 4403	38	2.148500	3.253151	9.774121
## 4404	25	0.377917	0.395358	2.808249
## 4405	25	0.349152	0.843224	4.253233
## 4406	42	0.694089	0.784190	5.761386
## 4407	45	0.142776	0.149549	2.336228
## 4408	33	0.585334	0.563436	2.729376
## 4409	29	4.473963	2.776668	17.359230
## 4410	53	0.415893	0.490356	2.816130
## 4411	80	1.827214	2.473286	10.694894
## 4412	57	1.276619	0.918415	4.962962
## 4413	40	2.205082	2.222003	13.293783
## 4414	47	0.560340	0.262434	2.485090
## 4415	44	0.226059	0.202290	2.452690
## 4416	74	0.768989	1.792391	3.181556
## 4417	73	3.127138	1.872023	15.233390
## 4418	30	0.348516	0.394552	11.457241
## 4419	92	4.404451	1.066060	9.883169
## 4420	95	0.046341	0.056427	1.157086
## 4421	30	0.032828	0.066157	1.851331
## 4422	105	0.985175	0.675257	3.125563
## 4423	114	0.330221	0.343358	1.985421
## 4424	58	0.033441	0.055863	1.514117
## 4425	97	2.639595	1.642127	6.601835
## 4426	25	0.256615	1.130273	2.762012
## 4427	87	0.191050	0.099113	1.620650
## 4428	25	0.181931	0.213545	3.712091

## 4429	230	0.620222	0.843961	4.931087
## 4430	133	6.060093	1.698050	19.518272
## 4431	45	0.799303	0.293538	4.632498
## 4432	66	1.547219	0.587911	6.430362
## 4433	68	3.059996	1.027680	7.979755
## 4434	72	2.081229	0.664449	8.786480
## 4435	110	0.351687	0.112554	2.326172
## 4436	95	4.860960	2.385152	11.098969
## 4437	79	2.928935	1.485344	11.288035
## 4438	43	0.474548	0.278669	3.903110
## 4439	106	5.549310	2.144636	18.805470
## 4440	177	1.131562	0.249561	4.887496
## 4441	25	0.903145	0.418568	12.251630
## 4442	66	0.171865	0.226997	4.338184
## 4443	72	6.554510	2.032420	12.970505
## 4444	29	0.624769	0.408279	2.969214
## 4445	47	0.490795	0.322244	2.741704
## 4446	49	0.114137	0.178497	1.380297
## 4447	78	0.558274	0.338421	2.816815
## 4448	167	4.890548	4.181669	11.658854
## 4449	59	11.325032	5.339634	22.046995
## 4450	96	4.110651	2.128446	10.602867
## 4451	72	2.762656	1.258446	11.414209
## 4452	55	2.880099	2.878876	20.588717
## 4453	75	0.048215	0.044196	1.138535
## 4454	44	1.954526	0.833096	17.553606
## 4455	79	0.748609	0.775914	5.149731
## 4456	55	0.759689	0.994268	3.344934
## 4457	31	1.370029	0.760494	7.257401
## 4458	190	2.812547	2.140399	11.293759
## 4459	95	0.833323	0.374599	3.226464
## 4460	44	1.943604	0.728914	5.213985
## 4461	62	2.231744	1.255710	17.973440
## 4462	71	0.705963	0.894105	4.962044
## 4463	30	1.359952	0.853349	8.293540
## 4464	33	0.735946	0.432001	3.459192
## 4465	28	1.012438	0.501832	4.619601
## 4466	25	2.800189	1.418110	12.341138
## 4467	37	1.066116	0.703457	3.919868
## 4468	26	2.229187	1.715510	13.200062
## 4469	25	1.269731	2.252342	13.198660
## 4470	44	1.016218	0.429527	10.910720
## 4471	34	0.694787	0.313829	3.607216
## 4472	90	0.130296	0.084009	1.240056
## 4473	56	0.697831	0.342206	3.780586
## 4474	62	0.226319	0.917112	2.586058
## 4475	25	3.953929	3.592489	18.421553
## 4476	25	7.424686	3.337333	16.859871
## 4477	94	0.592983	0.546397	6.460138
## 4478	84	0.571141	0.429302	5.601481
## 4479	25	1.242366	0.772255	19.877289
## 4480	64	0.566330	0.443887	5.739406
## 4481	71	0.815467	0.401193	3.989804
## 4482	389	0.199203	0.092751	1.948133

## 4483	34	7.221330	3.191483	23.518745
## 4484	26	6.180094	3.015362	32.932747
## 4485	25	2.462173	1.541003	20.039402
## 4486	37	6.194136	2.658522	22.864201
## 4487	25	4.367200	2.063856	31.797680
## 4488	25	6.289205	3.068998	36.727928
## 4489	25	4.470127	3.377270	18.445644
## 4490	25	2.962653	1.550411	23.410938
## 4491	30	2.091828	1.494025	13.541666
## 4492	87	0.704665	0.203403	4.214158
## 4493	51	0.725460	2.225058	4.103277
## 4494	64	0.973372	0.754264	7.178149
## 4495	59	0.300402	0.520686	3.533267
## 4496	73	0.923250	0.356303	5.800799
## 4497	33	0.666047	0.281983	5.054643
## 4498	36	2.403610	1.422717	13.646601
## 4499	88	2.266843	1.841348	11.471023
## 4500	33	1.429061	0.791072	6.663399
## 4501	25	2.760524	2.867241	13.793938
## 4502	131	1.911155	1.464990	10.463223
## 4503	39	3.719247	1.769744	10.533239
## 4504	49	2.012615	2.217660	10.592391
## 4505	233	0.439325	0.424820	3.556686
## 4506	80	1.280816	1.427775	7.470800
## 4507	47	1.808145	2.914592	11.324924
## 4508	64	1.465747	1.382628	11.195367
## 4509	102	0.861135	1.056135	6.477406
## 4510	177	1.549735	0.861901	6.083385
## 4511	148	1.704225	1.074460	7.979589
## 4512	50	0.810132	0.628501	5.383132
## 4513	66	0.774474	0.828728	4.751842
## 4514	43	0.304721	0.270127	4.196544
## 4515	48	0.181721	0.075064	2.236191
## 4516	43	2.411702	0.993136	8.132565
## 4517	57	4.738946	1.485290	14.774075
## 4518	52	0.864973	0.474669	5.766986
## 4519	25	1.421617	0.853893	14.872769
## 4520	25	3.320998	3.031426	28.560932
## 4521	31	5.219920	2.133391	16.668571
## 4522	28	5.255313	2.402940	22.348713
## 4523	26	2.059604	0.937384	8.181177
## 4524	37	7.315971	3.348601	22.094719
## 4525	40	4.690004	1.743425	23.163294
## 4526	25	4.738014	2.134846	17.238464
## 4527	36	7.706349	3.636256	20.914553
## 4528	25	4.652439	2.987964	24.504204
## 4529	40	4.392777	2.088619	19.441357
## 4530	25	3.685963	1.951946	25.630165
## 4531	25	5.845387	4.962483	34.350964
## 4532	25	1.268458	0.679720	7.958502
## 4533	25	1.199348	1.530166	11.683864
## 4534	25	0.374999	0.304348	9.386468
## 4535	66	0.270963	0.338659	2.665628
## 4536	65	0.721594	0.734766	4.337841

## 4537	38	0.370226	0.469561	4.752704
## 4538	33	0.278377	1.024004	2.943859
## 4539	60	1.399910	2.468578	4.550706
## 4540	62	0.822664	2.352255	4.073774
## 4541	113	0.843990	0.734568	7.045617
## 4542	25	0.326260	0.528677	10.798306
## 4543	56	0.732386	0.655354	3.670256
## 4544	25	2.190862	3.865952	12.358173
## 4545	175	1.091471	1.126129	7.985441
## 4546	54	0.379951	0.432139	4.492711
## 4547	35	1.421324	0.590496	8.957751
## 4548	40	0.973423	0.728155	13.320456
## 4549	65	1.291068	1.563054	9.403087
## 4550	164	2.072371	2.095984	13.863798
## 4551	65	1.459221	3.274201	4.485757
## 4552	77	0.865773	0.494169	5.388990
## 4553	62	0.437946	0.304612	3.761600
## 4554	49	0.725710	1.883280	4.974586
## 4555	65	0.930824	1.600568	4.361130
## 4556	55	0.068660	0.164999	2.684694
## 4557	50	2.741458	2.350036	14.004307
## 4558	55	3.136230	1.589306	15.808622
## 4559	26	1.265490	0.665376	8.542936
## 4560	82	3.213813	2.429094	13.095653
## 4561	60	4.265054	4.204287	21.604183
## 4562	49	4.416361	2.649984	19.032965
## 4563	55	3.901091	2.823669	18.111414
## 4564	51	3.106010	1.939179	14.641822
## 4565	66	3.564373	2.006458	18.405670
## 4566	36	1.919325	1.411265	11.452293
## 4567	45	7.527803	4.925118	28.454329
## 4568	25	6.552003	5.297410	23.570145
## 4569	40	4.927179	2.024631	18.534122
## 4570	134	3.948326	1.903171	11.825465
## 4571	25	5.845026	4.858503	31.287651
## 4572	185	0.968112	1.299123	5.881549
## 4573	52	1.204248	0.688674	6.083199
## 4574	47	0.881562	0.764055	6.983613
## 4575	72	2.088835	4.226617	7.448019
## 4576	91	2.567703	1.170009	11.963615
## 4577	25	1.395567	0.836158	18.757305
## 4578	28	3.852588	2.021471	25.036390
## 4579	150	1.244559	2.328687	7.335180
## 4580	36	6.638303	3.282154	17.488447
## 4581	83	5.594135	2.885368	23.649399
## 4582	69	2.659157	2.117792	13.091415
## 4583	111	0.565385	0.426179	4.644514
## 4584	25	4.837707	3.739162	32.556847
## 4585	25	1.543551	1.919356	12.310904
## 4586	65	0.657742	0.755298	6.596669
## 4587	65	1.490327	1.267294	10.524491
## 4588	35	1.605756	1.504456	10.704858
## 4589	30	0.982954	1.175823	8.362901
## 4590	37	1.454763	1.410297	13.783038

## 4591	46	1.282138	0.922903	5.843628
## 4592	131	1.830733	2.699055	9.536392
## 4593	42	0.716415	0.502533	6.353348
## 4594	35	0.735981	0.862567	8.444911
## 4595	36	0.312318	0.116947	2.380598
## 4596	55	1.932683	4.616204	7.577557
## 4597	37	0.354669	0.185564	4.412778
## 4598	60	1.398550	0.762571	8.529773
## 4599	42	1.820019	3.305299	5.556009
## 4600	66	0.944297	0.838498	6.833930
## 4601	56	1.311222	2.107648	4.930344
## 4602	73	0.823199	0.315574	5.585382
## 4603	33	0.544988	0.253006	3.883815
## 4604	36	2.811596	1.541794	13.627018
## 4605	88	2.270127	1.927332	11.625071
## 4606	33	1.482023	0.810446	7.162764
## 4607	25	2.622398	2.186509	13.711858
## 4608	131	1.819255	1.415443	10.756590
## 4609	39	3.532413	1.711261	10.814551
## 4610	55	1.852705	2.245752	10.246035
## 4611	227	0.553311	0.413808	3.512451
## 4612	25	4.769683	3.479450	28.714973
## 4613	34	7.066183	2.984580	24.294422
## 4614	26	6.373770	3.156521	32.457451
## 4615	25	2.586261	1.635158	20.525705
## 4616	37	6.198320	2.755443	23.237551
## 4617	25	4.273477	2.067043	33.238441
## 4618	25	6.607605	3.221807	37.834576
## 4619	25	4.310358	3.124747	19.162449
## 4620	25	3.456620	1.832597	21.772991
## 4621	30	1.775095	1.530708	12.603958
## 4622	87	0.680751	0.220927	4.016727
## 4623	51	0.764706	0.864917	4.187065
## 4624	64	0.582755	0.649803	6.921009
## 4625	59	0.643744	0.842230	4.077358
## 4626	81	1.037766	1.357162	7.016908
## 4627	47	2.203359	3.663866	11.082150
## 4628	64	1.139603	1.283935	10.551080
## 4629	102	1.013419	1.021884	6.322189
## 4630	177	1.587307	0.961282	6.294772
## 4631	148	1.687642	1.079593	7.302496
## 4632	50	1.426659	0.716061	5.467730
## 4633	66	1.095396	1.129832	6.151636
## 4634	43	0.313626	0.319489	4.447376
## 4635	48	0.308463	0.210971	2.392568
## 4636	43	2.241004	0.926362	7.865762
## 4637	57	4.778733	1.496146	14.783177
## 4638	52	0.957125	0.555431	5.813059
## 4639	25	1.264378	0.927828	14.844965
## 4640	25	2.871657	1.513136	28.722492
## 4641	31	5.048974	2.036089	16.568928
## 4642	28	5.327511	2.425427	22.438330
## 4643	26	2.225077	1.010506	7.733159
## 4644	37	7.455312	3.477854	22.671921

## 4645	40	4.460954	1.646799	23.427109
## 4646	25	4.411739	1.990477	17.791901
## 4647	36	7.791451	3.509178	20.905678
## 4648	25	4.202367	3.431953	24.828543
## 4649	40	4.162261	2.000628	19.456274
## 4650	25	3.541790	1.940096	25.975374
## 4651	25	6.224308	5.809935	34.571243
## 4652	25	1.140975	0.775150	8.014619
## 4653	25	0.886795	1.378456	11.955873
## 4654	25	0.635445	0.317214	9.117546
## 4655	66	0.463025	0.308285	1.978677
## 4656	65	0.660930	0.631977	4.614837
## 4657	38	0.479456	0.507236	4.732852
## 4658	33	0.611934	0.896279	3.163067
## 4659	60	1.150753	2.766822	4.466853
## 4660	62	1.193059	2.423534	4.646906
## 4661	113	0.813356	0.794153	6.672252
## 4662	25	1.458937	3.211903	18.969353
## 4663	46	3.028101	1.952026	14.090806
## 4664	55	3.511753	1.604325	19.086750
## 4665	26	1.182824	0.598625	8.926333
## 4666	82	3.366880	2.479186	14.685708
## 4667	60	4.372254	4.271754	21.835089
## 4668	49	4.474166	2.703463	18.784910
## 4669	55	3.916751	2.744456	17.737146
## 4670	50	3.215506	1.923069	14.594455
## 4671	66	3.641999	1.991989	18.414381
## 4672	35	1.940484	1.364561	11.407128
## 4673	46	7.276781	4.637457	28.389057
## 4674	25	6.436966	4.393491	23.622540
## 4675	40	4.516109	1.969877	19.000826
## 4676	133	3.958889	1.873519	11.385123
## 4677	25	4.658979	3.744900	31.807690
## 4678	186	0.923786	1.316963	6.403578
## 4679	52	1.261299	0.836365	6.421849
## 4680	47	0.629429	0.531638	6.570564
## 4681	72	1.735706	3.517988	7.114567
## 4682	59	1.758779	0.526089	9.797822
## 4683	98	0.464099	0.413833	2.557010
## 4684	264	7.535397	7.654454	21.496969
## 4685	72	0.716366	0.373658	2.995616
## 4686	121	3.771072	5.253129	13.088832
## 4687	46	3.136500	1.268743	10.845284
## 4688	75	0.761278	0.414086	3.081726
## 4689	96	7.651405	3.014525	16.302217
## 4690	223	1.308815	0.888761	4.641618
## 4691	186	0.437922	0.223643	2.626086
## 4692	91	2.729966	1.285996	11.381935
## 4693	25	1.583827	0.838330	19.168028
## 4694	28	3.820210	1.912774	25.144064
## 4695	150	1.221730	2.021550	7.835220
## 4696	44	3.370149	2.602770	8.351332
## 4697	97	5.917695	3.109325	24.102663
## 4698	62	3.119463	2.098065	14.293890

## 4699	158	0.772050	0.584909	5.396653
## 4700	25	2.778892	1.341654	19.630327
## 4701	95	2.701024	1.420030	13.222523
## 4702	180	6.021478	5.387044	18.759184
## 4703	27	7.352059	3.695512	20.506859
## 4704	25	4.346068	1.983242	17.067085
## 4705	38	0.895486	0.398597	4.776432
## 4706	31	0.972599	0.376895	5.892178
## 4707	25	2.866237	1.474433	12.721226
## 4708	41	9.291923	5.677188	25.937521
## 4709	38	2.828601	1.879334	17.157141
## 4710	76	1.389485	0.624032	5.705789
## 4711	37	4.088114	1.803064	14.034056
## 4712	58	5.126215	2.031635	23.784081
## 4713	45	9.088215	4.839949	28.031406
## 4714	94	2.533203	1.454302	10.270632
## 4715	25	7.850800	4.442941	26.172966
## 4716	25	4.327969	3.034775	23.844463
## 4717	105	3.712282	3.225814	16.548420
## 4718	55	4.222260	2.093197	21.658728
## 4719	56	7.264878	3.063798	32.998013
## 4720	37	3.084572	1.856190	16.652180
## 4721	50	2.473013	0.858031	13.853275
## 4722	75	2.583517	0.974219	16.335678
## 4723	25	3.924672	2.898400	29.477385
## 4724	38	4.554140	3.029684	23.500984
## 4725	25	6.846954	3.675542	19.069368
## 4726	25	7.132113	4.983235	25.435513
## 4727	50	2.349821	1.258712	9.471080
## 4728	97	0.814143	0.845032	6.233496
## 4729	476	0.637873	0.273976	4.143916
## 4730	25	5.958047	2.917253	26.647602
## 4731	25	1.904495	1.053729	14.705130
## 4732	31	2.638983	1.707680	22.510740
## 4733	130	1.894828	2.624298	9.216536
## 4734	42	0.989830	0.531940	6.665553
## 4735	35	1.327479	0.972922	8.472860
## 4736	36	0.433891	0.538500	3.086538
## 4737	55	1.516289	4.301547	7.540188
## 4738	37	0.595083	0.389679	4.579140
## 4739	60	1.508209	0.801171	8.474155
## 4740	42	1.209936	2.520366	5.467714
## 4741	66	1.118567	0.773039	6.530444
## 4742	56	1.110231	2.267501	4.627209
## 4743	73	1.027807	0.435179	5.887169
## 4744	33	0.630904	0.265591	5.088958
## 4745	36	2.477688	1.479958	13.643208
## 4746	88	2.293510	1.913780	11.504462
## 4747	33	1.397038	0.747096	7.026099
## 4748	25	2.752600	2.904249	13.720796
## 4749	131	1.848568	1.524640	10.236113
## 4750	39	3.600145	1.578820	11.121222
## 4751	53	1.930196	2.259347	10.479167
## 4752	229	0.379698	0.281670	3.467548

## 4753	36	1.557436	0.650335	2.479029
## 4754	27	3.070262	2.491389	10.397912
## 4755	29	0.580110	0.409473	15.994000
## 4756	39	0.744665	0.491770	2.083679
## 4757	58	7.412899	3.627940	18.040794
## 4758	109	3.452259	1.619151	15.582354
## 4759	63	1.875023	0.855304	5.068414
## 4760	73	4.593542	2.381939	18.213348
## 4761	45	2.408960	1.451851	6.811646
## 4762	45	6.099733	2.083976	34.657154
## 4763	35	4.338140	1.697943	18.772943
## 4764	69	1.769210	1.149384	4.803711
## 4765	25	8.194703	4.217115	36.258308
## 4766	38	6.551421	3.495307	29.659256
## 4767	40	3.112539	2.742192	22.280029
## 4768	28	5.750362	2.910452	39.586864
## 4769	347	1.502711	1.031776	4.958744
## 4770	25	5.148650	3.506626	28.120445
## 4771	34	7.144883	3.157693	23.917149
## 4772	26	6.072632	3.002141	32.377201
## 4773	25	2.555099	1.631117	20.739985
## 4774	37	6.177937	2.770813	23.158428
## 4775	25	4.591640	2.235446	32.862072
## 4776	25	6.822515	3.288182	37.353973
## 4777	25	4.448249	3.155439	18.561031
## 4778	25	3.179627	1.621656	23.448109
## 4779	30	1.837917	1.433758	12.660300
## 4780	87	1.061975	0.483007	4.706090
## 4781	51	0.759021	2.429773	4.401642
## 4782	64	0.893457	0.668565	7.391168
## 4783	59	0.734635	0.812883	4.057264
## 4784	116	5.976880	2.892548	17.182634
## 4785	116	4.695934	1.778859	20.785259
## 4786	48	1.218915	1.204296	9.114687
## 4787	40	5.632857	2.287984	17.790447
## 4788	43	3.421809	1.476874	12.490389
## 4789	294	4.227188	2.651413	16.088352
## 4790	210	0.410756	0.362795	4.006932
## 4791	81	1.119302	1.408740	7.115308
## 4792	47	1.779464	2.232832	10.932500
## 4793	64	1.233890	1.171152	11.051512
## 4794	102	1.007599	1.023379	6.244576
## 4795	177	1.557431	0.888022	6.261117
## 4796	148	1.774856	1.559937	7.939419
## 4797	50	0.904980	0.679068	5.930800
## 4798	66	0.669047	0.759467	4.754066
## 4799	43	0.835021	0.549829	3.305079
## 4800	48	0.142398	0.076531	1.524995
## 4801	43	2.437361	0.914615	8.144113
## 4802	57	4.809426	1.448040	15.236776
## 4803	52	0.781087	0.365209	6.086361
## 4804	25	1.677350	0.963917	15.180917
## 4805	25	2.864658	1.495500	28.896208
## 4806	31	5.096025	2.053440	16.457691

## 4807	28	5.184322	2.414384	22.448561
## 4808	26	1.675596	0.782597	7.414803
## 4809	37	7.432570	3.505856	21.632910
## 4810	40	4.696504	1.771577	23.480412
## 4811	25	4.590794	2.068268	17.224277
## 4812	36	7.547228	3.552074	21.075336
## 4813	25	4.568527	3.689648	24.810860
## 4814	40	4.184663	1.930560	19.518894
## 4815	25	3.841518	2.046355	26.090351
## 4816	25	4.382714	3.700820	33.802757
## 4817	25	0.641998	0.442669	8.242200
## 4818	25	1.021750	1.205476	12.060317
## 4819	25	0.231931	0.141786	9.124380
## 4820	66	0.267732	0.097678	1.848452
## 4821	65	0.587282	0.615886	4.381178
## 4822	38	0.746454	0.515347	4.972052
## 4823	33	0.600726	0.932508	3.127598
## 4824	60	1.194585	2.478135	4.469745
## 4825	62	1.406736	2.982982	4.861339
## 4826	113	0.588688	0.701370	6.860193
## 4827	25	2.342973	4.992379	15.053780
## 4828	55	1.734002	0.600850	10.051892
## 4829	98	0.562382	0.292697	2.682420
## 4830	264	7.395656	7.344578	22.039940
## 4831	72	0.651842	0.338116	3.631973
## 4832	121	3.773430	5.087652	12.243811
## 4833	46	3.127439	1.270693	10.183418
## 4834	75	0.843707	0.444026	3.136325
## 4835	96	7.412861	2.893307	16.256529
## 4836	223	1.209669	0.800547	4.380187
## 4837	186	0.592987	0.495946	3.131689
## 4838	91	2.584144	1.154147	11.832390
## 4839	25	1.901708	1.237992	18.616846
## 4840	28	4.142685	2.172102	24.687727
## 4841	150	1.300426	1.584002	7.478031
## 4842	36	6.633913	3.352470	18.151035
## 4843	83	5.564679	3.037579	22.200790
## 4844	69	2.482859	2.041468	13.002799
## 4845	111	0.750235	0.409356	4.437326
## 4846	25	4.180051	3.339398	33.045330
## 4847	25	1.590041	1.883515	12.184382
## 4848	203	6.427841	2.974355	25.074165
## 4849	25	3.903637	3.175313	32.319519
## 4850	25	1.403285	1.315148	9.910419
## 4851	43	2.222891	0.911005	7.789876
## 4852	57	4.907630	1.543613	14.933679
## 4853	52	0.974791	0.456763	6.244520
## 4854	25	1.238414	1.091801	15.028936
## 4855	25	2.983886	1.595117	29.042614
## 4856	31	5.002302	2.014208	16.730404
## 4857	28	5.345607	2.432343	22.732210
## 4858	26	1.890908	0.888851	7.792694
## 4859	37	7.377319	3.480567	22.498415
## 4860	40	4.945384	1.826275	23.347586

## 4861	25	4.448419	2.028056	17.271111
## 4862	36	7.406870	3.459111	20.938423
## 4863	25	4.186573	3.627018	25.028713
## 4864	40	4.391202	2.167408	19.060085
## 4865	25	3.500996	1.992284	25.344500
## 4866	25	6.400190	5.709093	35.493095
## 4867	25	0.613141	0.449372	7.755750
## 4868	25	0.578935	0.566401	11.997162
## 4869	25	0.539039	0.302215	8.893584
## 4870	66	0.074434	0.037927	1.646149
## 4871	65	0.406920	0.572423	4.028237
## 4872	38	0.704606	0.589918	4.963100
## 4873	33	0.407987	0.974451	3.310987
## 4874	60	0.951652	2.782343	4.162745
## 4875	62	1.280507	2.721801	4.723694
## 4876	113	0.722784	0.844992	6.778348
## 4877	25	0.382649	0.595437	10.263708
## 4878	42	1.547630	1.465070	12.587075
## 4879	53	1.576865	2.832371	7.661934
## 4880	69	1.312125	1.044423	8.976794
## 4881	37	1.328980	2.299587	5.451106
## 4882	65	0.819132	0.765493	7.050963
## 4883	66	1.565130	1.231899	11.010892
## 4884	34	1.626476	1.163137	10.464068
## 4885	30	1.114936	1.115467	8.511332
## 4886	37	1.462786	1.434590	14.153732
## 4887	46	0.691572	0.984848	5.682816
## 4888	25	6.179975	3.793502	26.543276
## 4889	105	0.646858	0.480469	4.729510
## 4890	42	1.233731	0.890923	6.898675
## 4891	35	1.078358	0.847283	8.638244
## 4892	36	0.598511	0.673413	3.398743
## 4893	55	1.735717	4.649285	7.800230
## 4894	37	0.203213	0.143618	4.275502
## 4895	60	1.342639	0.786110	8.386247
## 4896	42	1.592300	4.084342	5.252769
## 4897	66	0.972388	1.107506	6.240351
## 4898	56	1.481261	2.306715	4.666729
## 4899	25	5.191286	3.707168	28.238569
## 4900	34	7.651637	3.577833	23.632996
## 4901	26	6.482742	3.297116	33.547626
## 4902	25	2.600138	1.585962	20.553511
## 4903	37	6.374673	2.846997	23.079655
## 4904	25	4.218391	2.046942	31.971375
## 4905	25	6.636912	3.239100	36.683155
## 4906	25	4.218077	3.093106	17.473408
## 4907	25	3.009438	1.566948	22.374058
## 4908	30	1.721447	1.473064	12.345400
## 4909	87	0.957719	0.376496	4.428326
## 4910	51	0.580495	1.670339	4.377448
## 4911	64	0.898882	0.872894	7.228231
## 4912	59	0.604127	0.764699	4.214377
## 4913	116	5.918113	2.913398	17.225613
## 4914	116	4.856570	1.767130	20.647066

## 4915	48	1.296598	1.234723	9.145498
## 4916	40	5.738416	2.358688	17.519535
## 4917	43	3.417157	1.509426	12.695914
## 4918	294	4.192566	2.666174	16.099657
## 4919	210	0.543602	0.467083	4.294475
## 4920	81	1.154696	1.382022	7.268909
## 4921	47	1.529923	2.220310	10.751466
## 4922	64	1.619855	1.075184	10.781138
## 4923	102	0.775393	1.061031	6.224823
## 4924	177	1.706091	0.929882	6.379436
## 4925	148	1.523886	1.133062	7.858953
## 4926	50	1.264852	0.634951	6.488270
## 4927	66	1.087555	0.871865	5.638463
## 4928	43	0.386955	0.401735	4.019417
## 4929	59	1.648511	0.539140	10.135180
## 4930	98	0.577083	0.351327	2.831126
## 4931	264	7.521895	7.661843	20.925734
## 4932	72	0.657271	0.488342	3.168107
## 4933	121	3.591277	4.998231	12.777703
## 4934	46	3.200293	1.286488	11.375648
## 4935	75	0.871370	0.418225	3.107271
## 4936	96	7.582473	2.963205	16.479675
## 4937	223	1.239038	0.837878	4.578030
## 4938	186	0.613307	0.382379	2.655434
## 4939	91	2.575806	1.214233	11.905464
## 4940	25	1.820982	1.072101	18.643238
## 4941	28	4.104690	2.155672	25.041302
## 4942	150	1.166970	1.936071	7.644420
## 4943	44	3.174203	2.840294	7.969765
## 4944	160	4.911625	3.037398	20.782349
## 4945	158	0.829524	0.538164	5.435333
## 4946	25	2.847629	1.346154	19.771742
## 4947	95	2.566082	1.483706	13.164637
## 4948	191	2.989131	1.324829	11.430789
## 4949	76	3.024935	1.683602	19.849386
## 4950	296	5.534789	2.524434	26.054689
## 4951	27	3.192326	1.777071	21.981918
## 4952	95	1.766599	1.033416	11.642287
## 4953	97	0.806658	0.669660	9.961354
## 4954	37	1.463425	1.690085	4.398768
## 4955	27	3.119295	2.502499	10.773993
## 4956	29	0.724208	0.460577	16.672956
## 4957	39	1.151471	0.698997	2.705883
## 4958	58	7.519403	3.664530	19.425919
## 4959	109	3.523664	1.812196	16.314310
## 4960	63	1.836115	0.876233	5.024958
## 4961	73	4.830917	2.322319	18.465477
## 4962	45	2.201683	1.343584	6.894914
## 4963	81	5.591017	1.849583	30.006969
## 4964	69	1.581967	1.107493	4.699409
## 4965	25	7.984880	4.027031	33.358505
## 4966	38	6.508238	3.570275	28.867783
## 4967	40	3.157879	2.805481	22.861401
## 4968	28	5.815970	2.990988	39.340847

## 4969	347	1.503369	1.047711	5.004284
## 4970	73	0.837974	0.326781	5.777084
## 4971	33	0.583308	0.253325	4.694880
## 4972	36	3.012253	1.660880	13.555357
## 4973	88	2.236271	1.862705	11.447234
## 4974	33	1.488638	0.834753	6.917835
## 4975	25	2.477767	1.990941	12.733352
## 4976	131	1.814964	1.326698	10.513361
## 4977	39	3.578740	1.783695	10.989049
## 4978	55	1.843195	2.252330	10.428798
## 4979	227	0.852127	0.481775	3.133992
## 4980	46	1.509680	1.292708	11.799032
## 4981	53	1.743633	3.198591	7.713324
## 4982	69	1.208631	0.889527	8.913059
## 4983	37	1.066263	2.452611	5.320251
## 4984	66	0.860420	0.704797	6.807489
## 4985	65	1.469508	1.163134	10.234077
## 4986	34	1.640541	1.195337	10.085730
## 4987	30	1.408206	1.227606	8.237217
## 4988	37	1.698992	1.352346	14.903139
## 4989	46	0.547991	0.817056	5.460559
## 4990	131	1.826078	3.131816	9.359276
## 4991	42	1.266809	0.896691	6.427869
## 4992	35	1.067149	1.040203	7.869503
## 4993	36	0.397203	0.189750	2.648627
## 4994	55	2.227553	4.831272	7.614507
## 4995	37	0.753387	0.456519	4.731936
## 4996	60	1.662591	0.931048	8.681503
## 4997	42	1.853798	4.288518	5.308077
## 4998	66	0.611823	0.785592	5.830395
## 4999	56	1.261251	2.316817	4.418680
##	frame_diff_dist_var	short_time_energy_mn	short_time_energy_var	zcr_mn
## 1	7.242389	0.019883	0.012195	0.067241
## 2	15.734018	0.023027	0.010731	0.077000
## 3	3.301121	0.025948	0.006956	0.082317
## 4	24.448074	0.014387	0.007596	0.069875
## 5	9.980667	0.011506	0.007269	0.100647
## 6	21.484812	0.012956	0.007638	0.068125
## 7	6.420032	0.016132	0.004972	0.100719
## 8	4.428925	0.016213	0.004976	0.125213
## 9	9.850760	0.016380	0.005785	0.110147
## 10	9.576903	0.015549	0.004378	0.122683
## 11	18.883072	0.012698	0.006275	0.122115
## 12	11.380774	0.012863	0.006534	0.108750
## 13	10.802203	0.015009	0.008107	0.094676
## 14	5.690519	0.016223	0.005652	0.110855
## 15	9.461326	0.008935	0.004971	0.077500
## 16	14.711412	0.006587	0.005659	0.080750
## 17	8.709596	0.012501	0.007155	0.086125
## 18	13.281710	0.010304	0.004934	0.090541
## 19	6.239329	0.005663	0.004603	0.126667
## 20	9.442282	0.018699	0.007644	0.101516
## 21	5.243663	0.011665	0.008011	0.121425
## 22	8.726622	0.002406	0.002699	0.160625

## 23	7.054195	0.010195	0.009300 0.114228
## 24	0.671309	0.010307	0.008867 0.086914
## 25	3.780290	0.008290	0.008476 0.142489
## 26	1.047345	0.012008	0.010669 0.117815
## 27	1.004526	0.011759	0.008466 0.139292
## 28	2.548930	0.011299	0.008140 0.108875
## 29	4.371284	0.009112	0.008203 0.145046
## 30	7.755045	0.007103	0.007391 0.130134
## 31	7.897222	0.015226	0.006201 0.122961
## 32	9.885736	0.015155	0.006919 0.094913
## 33	6.626099	0.017002	0.006424 0.097599
## 34	3.893781	0.015544	0.006992 0.117806
## 35	5.136901	0.015292	0.007260 0.127328
## 36	3.854306	0.017103	0.008628 0.094832
## 37	1.998251	0.016173	0.008958 0.078711
## 38	4.800924	0.017769	0.008198 0.099409
## 39	11.568233	0.019361	0.007707 0.113791
## 40	6.153420	0.018936	0.009243 0.062625
## 41	4.063501	0.013902	0.008406 0.100263
## 42	6.304958	0.014039	0.006799 0.111764
## 43	7.489525	0.022026	0.012402 0.060750
## 44	8.235348	0.017617	0.009246 0.125446
## 45	6.968654	0.020264	0.010406 0.096375
## 46	19.100462	0.022751	0.010993 0.100164
## 47	10.357061	0.022132	0.011753 0.103250
## 48	1.142277	0.020941	0.010379 0.100827
## 49	3.521451	0.016884	0.009052 0.138393
## 50	0.672553	0.021521	0.012082 0.110069
## 51	3.731633	0.019634	0.008546 0.108936
## 52	13.910461	0.014135	0.007692 0.119648
## 53	4.176738	0.014425	0.008031 0.115294
## 54	1.365878	0.017049	0.013035 0.100660
## 55	5.863254	0.017419	0.010820 0.085700
## 56	2.982596	0.016787	0.009166 0.123772
## 57	7.639893	0.014575	0.009699 0.109171
## 58	22.807568	0.014738	0.008956 0.122750
## 59	3.977313	0.012234	0.009547 0.154977
## 60	2.974929	0.012635	0.011667 0.166268
## 61	5.630088	0.011456	0.010156 0.101430
## 62	8.929374	0.011127	0.008129 0.098785
## 63	3.885077	0.012298	0.008469 0.107688
## 64	10.540946	0.015964	0.010269 0.085389
## 65	13.824382	0.011588	0.008877 0.098910
## 66	6.282429	0.014512	0.009853 0.151177
## 67	6.382301	0.012939	0.004904 0.138913
## 68	3.096611	0.014235	0.006526 0.071847
## 69	10.433403	0.013135	0.005331 0.043152
## 70	11.722653	0.014347	0.010903 0.111379
## 71	13.565360	0.009800	0.003677 0.085817
## 72	9.547472	0.010546	0.003193 0.096007
## 73	15.071254	0.022842	0.009236 0.081841
## 74	12.566516	0.022353	0.010484 0.074750
## 75	22.184694	0.027249	0.009671 0.086293
## 76	15.093349	0.022808	0.010785 0.062054

## 77	18.244629	0.009474	0.009691 0.068074
## 78	4.909821	0.008710	0.008737 0.081205
## 79	2.160874	0.012985	0.011766 0.084212
## 80	3.787022	0.011663	0.011764 0.154029
## 81	2.920160	0.021288	0.009903 0.103421
## 82	2.838394	0.021513	0.011347 0.089012
## 83	2.805105	0.021821	0.009443 0.147561
## 84	6.813344	0.014946	0.010618 0.096782
## 85	3.574071	0.013784	0.009405 0.092472
## 86	0.885796	0.010591	0.008559 0.076250
## 87	6.868552	0.012145	0.011988 0.099724
## 88	5.238933	0.016671	0.010270 0.075760
## 89	3.782324	0.014351	0.008609 0.087963
## 90	3.415560	0.015351	0.009395 0.111428
## 91	0.481681	0.014388	0.010572 0.113090
## 92	8.313621	0.012544	0.007058 0.071500
## 93	12.656219	0.015670	0.009185 0.106326
## 94	13.706668	0.012832	0.009016 0.079750
## 95	8.844421	0.009019	0.006097 0.103750
## 96	13.309536	0.009009	0.010673 0.078646
## 97	14.249998	0.001485	0.000870 0.034375
## 98	3.861386	0.001804	0.000656 0.035243
## 99	12.955646	0.003505	0.002709 0.101367
## 100	6.820367	0.010395	0.004604 0.114484
## 101	13.114860	0.011113	0.004485 0.116202
## 102	10.957764	0.010026	0.005044 0.135125
## 103	8.384639	0.011453	0.006100 0.118875
## 104	10.702977	0.010017	0.005634 0.121394
## 105	3.606500	0.013994	0.007106 0.141933
## 106	8.996521	0.014984	0.005963 0.110592
## 107	2.466225	0.018648	0.007022 0.100372
## 108	9.052888	0.022479	0.011378 0.068677
## 109	1.518193	0.026276	0.012056 0.062277
## 110	5.798935	0.022842	0.011272 0.060375
## 111	5.118650	0.021233	0.012478 0.062872
## 112	6.859477	0.014282	0.009502 0.062625
## 113	8.227382	0.021618	0.010129 0.124375
## 114	8.798527	0.015659	0.016084 0.102930
## 115	7.942996	0.000559	0.000498 0.098561
## 116	1.359498	0.015917	0.007936 0.064062
## 117	7.954431	0.011482	0.008624 0.070427
## 118	6.675874	0.009990	0.010402 0.102997
## 119	1.972842	0.019524	0.010918 0.098769
## 120	17.943161	0.014998	0.009292 0.090733
## 121	20.853466	0.011429	0.012317 0.104375
## 122	4.765282	0.018659	0.011293 0.104133
## 123	10.597249	0.015495	0.009231 0.159256
## 124	5.170781	0.024178	0.009899 0.117057
## 125	6.150323	0.024593	0.010364 0.093418
## 126	6.391002	0.023339	0.009885 0.117420
## 127	6.010360	0.023751	0.009725 0.109948
## 128	4.547132	0.022246	0.010098 0.123132
## 129	6.069385	0.016724	0.011767 0.126163
## 130	12.005971	0.021694	0.011563 0.104447

## 131	9.500073	0.019437	0.011562 0.110202
## 132	6.410966	0.023409	0.010215 0.104435
## 133	11.557325	0.024160	0.009919 0.108052
## 134	1.514420	0.022113	0.010116 0.128819
## 135	24.192995	0.018261	0.013395 0.115125
## 136	6.976416	0.017277	0.008953 0.189320
## 137	14.082460	0.012107	0.005199 0.219687
## 138	10.391644	0.015187	0.006525 0.161125
## 139	4.493196	0.022167	0.010796 0.097165
## 140	24.137629	0.025855	0.010130 0.068304
## 141	14.668367	0.027683	0.009410 0.075888
## 142	7.799884	0.028694	0.008092 0.080574
## 143	22.335035	0.014110	0.008750 0.094622
## 144	15.767249	0.009784	0.005103 0.117067
## 145	16.857243	0.014236	0.005695 0.126647
## 146	18.169403	0.014560	0.005841 0.117216
## 147	19.849054	0.015890	0.005479 0.093050
## 148	13.820145	0.013825	0.005580 0.106250
## 149	13.660320	0.013978	0.005199 0.133892
## 150	15.821491	0.014154	0.005082 0.123547
## 151	15.071199	0.013851	0.007099 0.129129
## 152	9.840323	0.013667	0.006006 0.139892
## 153	16.006170	0.015112	0.006327 0.103026
## 154	17.709995	0.014781	0.006883 0.102280
## 155	11.479742	0.016361	0.005986 0.114428
## 156	24.158978	0.016065	0.006126 0.116970
## 157	21.183058	0.012457	0.005988 0.103472
## 158	18.369272	0.012208	0.008053 0.094602
## 159	10.679254	0.013698	0.006905 0.140146
## 160	14.248405	0.011889	0.006596 0.112418
## 161	22.859711	0.014326	0.007102 0.133594
## 162	11.083532	0.015531	0.005723 0.144589
## 163	12.618224	0.013629	0.006336 0.123478
## 164	22.634634	0.013487	0.006786 0.095446
## 165	11.888158	0.014598	0.005933 0.105746
## 166	1.931975	0.015459	0.005531 0.127922
## 167	18.841360	0.014957	0.006769 0.122351
## 168	6.967098	0.015695	0.005282 0.104259
## 169	1.562313	0.012390	0.008104 0.105842
## 170	7.408570	0.004722	0.002367 0.143945
## 171	9.217561	0.011985	0.010048 0.114702
## 172	4.348141	0.017357	0.011616 0.086921
## 173	5.284290	0.010185	0.007151 0.075325
## 174	3.516111	0.013903	0.009012 0.078478
## 175	0.839279	0.018780	0.011180 0.063567
## 176	8.597066	0.008845	0.005153 0.055500
## 177	0.792589	0.009258	0.005296 0.051683
## 178	0.589764	0.018658	0.014763 0.066056
## 179	3.157696	0.020830	0.012426 0.082535
## 180	15.656446	0.007923	0.004534 0.069625
## 181	8.170375	0.010852	0.005491 0.071042
## 182	1.697646	0.006641	0.003551 0.060352
## 183	4.161890	0.010246	0.007865 0.058958
## 184	12.146784	0.012294	0.006889 0.076943

## 185	1.695925	0.009502	0.006185 0.071776
## 186	10.354876	0.015607	0.008980 0.089020
## 187	14.482435	0.008929	0.007247 0.073042
## 188	11.576059	0.018288	0.013836 0.100000
## 189	12.394101	0.017098	0.011461 0.094608
## 190	10.059876	0.014292	0.014070 0.090875
## 191	14.472925	0.012489	0.008598 0.118958
## 192	13.231285	0.015571	0.010243 0.097466
## 193	11.807177	0.010430	0.008338 0.133165
## 194	4.192697	0.015859	0.012380 0.094840
## 195	5.680633	0.017254	0.012283 0.072949
## 196	8.173447	0.016666	0.013007 0.089699
## 197	1.941856	0.017075	0.015220 0.098785
## 198	4.825201	0.015063	0.013025 0.092125
## 199	0.941809	0.023785	0.010326 0.093958
## 200	1.916419	0.023822	0.009516 0.087031
## 201	4.282400	0.021211	0.009741 0.090750
## 202	9.700782	0.019058	0.006160 0.114854
## 203	4.088100	0.011882	0.005455 0.116548
## 204	2.026588	0.012337	0.004931 0.116179
## 205	12.766350	0.012400	0.007002 0.142031
## 206	6.052305	0.011510	0.007025 0.154092
## 207	18.094398	0.016579	0.011220 0.114205
## 208	16.483114	0.013514	0.012094 0.128947
## 209	17.458117	0.014579	0.011488 0.108640
## 210	10.761994	0.007567	0.008331 0.134500
## 211	15.327109	0.011978	0.014359 0.137988
## 212	20.107702	0.015909	0.011524 0.096000
## 213	0.793948	0.012021	0.011805 0.117349
## 214	12.915499	0.012155	0.009057 0.183026
## 215	0.833536	0.018374	0.012164 0.051146
## 216	23.399200	0.009792	0.006515 0.152577
## 217	2.878071	0.016199	0.012527 0.141146
## 218	10.498968	0.020240	0.013287 0.101429
## 219	4.461452	0.019057	0.011337 0.105469
## 220	3.315304	0.014381	0.008856 0.123737
## 221	5.876223	0.021870	0.010774 0.147541
## 222	5.957166	0.024317	0.011916 0.081410
## 223	7.313283	0.024512	0.010617 0.101339
## 224	5.062774	0.021402	0.011509 0.093008
## 225	1.314504	0.024023	0.010000 0.114029
## 226	7.544106	0.020325	0.011337 0.093387
## 227	13.102673	0.021213	0.010382 0.117067
## 228	10.765368	0.021756	0.011746 0.108915
## 229	6.637784	0.022080	0.010234 0.124563
## 230	11.586058	0.021901	0.011294 0.118215
## 231	3.256763	0.023643	0.010505 0.106289
## 232	25.146748	0.021046	0.012676 0.074125
## 233	6.974829	0.023614	0.010282 0.110600
## 234	14.789060	0.022473	0.012895 0.080997
## 235	9.573618	0.020764	0.011242 0.138468
## 236	4.902065	0.016159	0.008276 0.182775
## 237	5.560490	0.030647	0.012323 0.080515
## 238	17.017256	0.026903	0.012369 0.079688

## 239	10.382574	0.027052	0.011275 0.080040
## 240	8.449843	0.008313	0.004856 0.055529
## 241	9.850344	0.016345	0.009884 0.126103
## 242	19.328365	0.016566	0.012701 0.117426
## 243	11.086685	0.021657	0.013341 0.116223
## 244	14.596501	0.026662	0.009371 0.107958
## 245	6.584897	0.020787	0.010064 0.125601
## 246	6.410888	0.019884	0.006248 0.134492
## 247	18.531494	0.013003	0.004827 0.090761
## 248	5.736734	0.016452	0.011193 0.085232
## 249	1.586250	0.013656	0.010585 0.081658
## 250	7.495917	0.019232	0.011303 0.089160
## 251	8.960144	0.018343	0.010105 0.087642
## 252	4.257977	0.004619	0.004043 0.045486
## 253	5.149748	0.020905	0.011938 0.061458
## 254	0.614015	0.024621	0.013306 0.076159
## 255	31.607019	0.011421	0.008740 0.080192
## 256	23.464674	0.017719	0.013079 0.077120
## 257	27.232002	0.019734	0.012879 0.103663
## 258	34.309032	0.016912	0.010136 0.056625
## 259	1.655060	0.020866	0.012520 0.078950
## 260	24.932846	0.022098	0.011781 0.080461
## 261	6.784946	0.020031	0.010905 0.087373
## 262	14.649129	0.011517	0.009951 0.106111
## 263	8.660064	0.010959	0.007080 0.092399
## 264	9.120560	0.010683	0.008529 0.084704
## 265	42.154125	0.025471	0.011229 0.076074
## 266	9.005518	0.025302	0.014536 0.068287
## 267	41.515759	0.022504	0.011322 0.053750
## 268	8.326254	0.023757	0.010945 0.083428
## 269	31.450880	0.025638	0.013903 0.054625
## 270	6.205856	0.020259	0.011244 0.077280
## 271	40.945751	0.022708	0.010975 0.079861
## 272	7.932039	0.017196	0.010432 0.078966
## 273	39.877983	0.020235	0.010510 0.085625
## 274	3.886927	0.021661	0.009458 0.080994
## 275	35.202618	0.016641	0.008104 0.086895
## 276	7.775488	0.018045	0.007644 0.077083
## 277	6.709537	0.022734	0.008013 0.109106
## 278	27.811432	0.021747	0.007056 0.110529
## 279	31.699421	0.019627	0.009675 0.065375
## 280	10.830846	0.019834	0.009962 0.049500
## 281	11.629399	0.022205	0.008309 0.136852
## 282	22.776678	0.021493	0.008739 0.128265
## 283	31.677298	0.017420	0.008269 0.117500
## 284	26.725479	0.019544	0.006734 0.141949
## 285	22.837366	0.017534	0.006552 0.125469
## 286	12.300362	0.020084	0.010559 0.101008
## 287	1.224436	0.017244	0.008992 0.095864
## 288	3.538602	0.011494	0.008253 0.084375
## 289	1.009578	0.021456	0.012542 0.093448
## 290	3.048204	0.023014	0.010436 0.083177
## 291	0.824997	0.021535	0.009492 0.090014
## 292	2.946387	0.025329	0.009011 0.100966

## 293	1.169664	0.020753	0.009599 0.091036
## 294	10.727611	0.023622	0.009495 0.095875
## 295	6.892353	0.021046	0.010284 0.113968
## 296	20.628328	0.019445	0.010975 0.112841
## 297	27.197960	0.020089	0.010951 0.102344
## 298	2.364867	0.020819	0.010284 0.104799
## 299	19.750593	0.022658	0.010620 0.108443
## 300	5.967468	0.018708	0.007945 0.117127
## 301	23.869268	0.021932	0.011397 0.126875
## 302	3.407626	0.020024	0.008224 0.137500
## 303	14.047421	0.020030	0.010104 0.119962
## 304	15.726210	0.019717	0.009844 0.116235
## 305	13.027635	0.021521	0.009573 0.156055
## 306	15.630576	0.018536	0.007825 0.151662
## 307	0.606069	0.020064	0.010162 0.091595
## 308	7.531467	0.016135	0.009173 0.138271
## 309	16.984762	0.017694	0.008591 0.128685
## 310	15.651273	0.019314	0.010643 0.119250
## 311	13.535234	0.016894	0.008925 0.114397
## 312	14.828845	0.016988	0.008724 0.148168
## 313	16.911247	0.015683	0.008128 0.153935
## 314	17.915449	0.014825	0.007301 0.165509
## 315	12.250157	0.017442	0.008544 0.126496
## 316	12.299488	0.012634	0.003760 0.160075
## 317	9.290675	0.017042	0.009048 0.135282
## 318	10.644368	0.013235	0.005968 0.117250
## 319	13.260742	0.013301	0.005970 0.125625
## 320	15.432690	0.011431	0.007211 0.117795
## 321	21.664806	0.020505	0.010827 0.096500
## 322	7.127012	0.021233	0.008498 0.130711
## 323	16.376575	0.021155	0.009550 0.129492
## 324	13.124597	0.021112	0.009169 0.155716
## 325	16.195477	0.021915	0.009143 0.139063
## 326	14.339120	0.019495	0.008243 0.135033
## 327	10.764218	0.022490	0.008468 0.094034
## 328	14.674237	0.019994	0.008334 0.122243
## 329	13.005540	0.021336	0.007793 0.111436
## 330	6.937886	0.020934	0.007765 0.124288
## 331	3.181103	0.018693	0.007411 0.122679
## 332	5.558421	0.018690	0.009415 0.119238
## 333	3.040436	0.018795	0.009126 0.111328
## 334	4.557666	0.017602	0.008597 0.118145
## 335	1.718629	0.018458	0.009183 0.120644
## 336	14.497504	0.020385	0.009786 0.123087
## 337	14.826509	0.018184	0.010126 0.134856
## 338	3.396810	0.017351	0.009777 0.099279
## 339	14.595103	0.019952	0.009338 0.126042
## 340	20.825840	0.018213	0.009546 0.104375
## 341	24.669004	0.018996	0.009409 0.111020
## 342	3.317209	0.018584	0.007103 0.121811
## 343	13.583705	0.017627	0.007924 0.119712
## 344	9.944620	0.021204	0.006809 0.109701
## 345	19.638853	0.019078	0.007142 0.120233
## 346	11.369256	0.016848	0.009670 0.245612

## 347	10.198033	0.017843	0.015843 0.195657
## 348	3.869745	0.010648	0.011008 0.103846
## 349	20.222803	0.011138	0.009526 0.085227
## 350	3.760743	0.015887	0.006057 0.093279
## 351	3.808934	0.016894	0.007503 0.073186
## 352	19.510939	0.019663	0.006602 0.076854
## 353	3.963840	0.019047	0.008348 0.079741
## 354	13.989192	0.021942	0.005435 0.076769
## 355	10.423548	0.017535	0.008480 0.069494
## 356	13.934821	0.011957	0.008207 0.080750
## 357	14.874091	0.017965	0.008776 0.084201
## 358	35.514732	0.020720	0.009555 0.105500
## 359	17.621969	0.023710	0.005886 0.111429
## 360	9.366033	0.021188	0.011413 0.017153
## 361	14.593155	0.006352	0.002738 0.179688
## 362	15.558478	0.014645	0.008170 0.117586
## 363	10.364797	0.002315	0.001423 0.184625
## 364	15.077062	0.011402	0.010172 0.118945
## 365	19.974051	0.011835	0.007089 0.058000
## 366	0.330221	0.017127	0.011200 0.087285
## 367	12.372474	0.016861	0.011492 0.101278
## 368	0.841572	0.014090	0.008384 0.091761
## 369	6.183820	0.016103	0.010987 0.101234
## 370	4.837819	0.010356	0.009160 0.087601
## 371	7.453039	0.011567	0.008904 0.095125
## 372	6.095193	0.009149	0.008240 0.144967
## 373	0.426179	0.007006	0.006956 0.083496
## 374	5.077429	0.006931	0.007445 0.131656
## 375	0.876083	0.011343	0.008437 0.120794
## 376	3.752257	0.008917	0.009625 0.123621
## 377	2.059389	0.010031	0.007093 0.138716
## 378	5.039031	0.007125	0.007363 0.109778
## 379	1.886546	0.003374	0.004816 0.188625
## 380	3.317193	0.006999	0.007326 0.109180
## 381	1.530368	0.004959	0.004614 0.127215
## 382	9.149738	0.008075	0.005354 0.097151
## 383	10.130975	0.004755	0.003876 0.167411
## 384	11.669585	0.005223	0.003681 0.138643
## 385	8.029041	0.003273	0.003492 0.113221
## 386	9.855587	0.003638	0.003003 0.108250
## 387	11.376045	0.002157	0.001706 0.112253
## 388	19.246176	0.005498	0.005571 0.144632
## 389	4.598834	0.011392	0.008881 0.086063
## 390	7.164385	0.010587	0.008665 0.109574
## 391	9.444663	0.008268	0.006877 0.078634
## 392	1.562033	0.008435	0.008291 0.085903
## 393	7.071845	0.009041	0.007803 0.182589
## 394	12.450991	0.012397	0.010963 0.099330
## 395	4.179945	0.006867	0.003648 0.095000
## 396	23.851814	0.012186	0.010540 0.151125
## 397	0.848414	0.016275	0.008383 0.140897
## 398	0.981174	0.014622	0.010203 0.111207
## 399	3.423973	0.012819	0.008198 0.073437
## 400	3.805864	0.011619	0.010007 0.064718

## 401	6.687916	0.011835	0.011054 0.076620
## 402	11.917208	0.011798	0.009470 0.052250
## 403	10.739176	0.014253	0.010098 0.069548
## 404	0.303187	0.011178	0.009291 0.071117
## 405	6.580533	0.007446	0.007341 0.110609
## 406	11.143635	0.009687	0.007254 0.120833
## 407	13.475552	0.007289	0.004824 0.100375
## 408	8.919078	0.008276	0.006498 0.140763
## 409	9.536942	0.016605	0.006754 0.174312
## 410	8.066291	0.012219	0.006010 0.183173
## 411	8.906913	0.013889	0.006800 0.135156
## 412	5.180341	0.011921	0.007621 0.117428
## 413	2.669233	0.009659	0.006406 0.155506
## 414	2.779530	0.018519	0.008419 0.112351
## 415	5.062112	0.018041	0.008578 0.082840
## 416	0.979938	0.012084	0.006821 0.083594
## 417	6.651491	0.015553	0.009976 0.090250
## 418	11.989766	0.005995	0.004230 0.059125
## 419	14.208200	0.017505	0.010003 0.067250
## 420	11.269033	0.002779	0.004718 0.070089
## 421	2.703186	0.008495	0.005733 0.126962
## 422	9.225722	0.007567	0.004936 0.090954
## 423	3.912591	0.009630	0.005037 0.122967
## 424	3.940436	0.008221	0.004380 0.106059
## 425	1.571029	0.008814	0.005729 0.105313
## 426	2.127011	0.008974	0.005244 0.114304
## 427	6.278196	0.005967	0.003711 0.094076
## 428	3.489208	0.010604	0.004690 0.123112
## 429	7.257480	0.011702	0.005591 0.120370
## 430	0.235360	0.013035	0.004842 0.108036
## 431	8.655589	0.010508	0.005389 0.112375
## 432	6.903905	0.010995	0.006473 0.119750
## 433	6.357763	0.010042	0.006054 0.090500
## 434	7.124429	0.008415	0.005668 0.101017
## 435	6.235216	0.008830	0.005551 0.132500
## 436	1.869145	0.003805	0.004879 0.114347
## 437	9.068086	0.004066	0.003066 0.077875
## 438	1.400337	0.007293	0.006110 0.083887
## 439	4.343139	0.009781	0.006240 0.087277
## 440	2.212414	0.010526	0.005445 0.101100
## 441	3.382553	0.012583	0.008266 0.076471
## 442	1.434660	0.009932	0.008342 0.088431
## 443	1.068950	0.009884	0.009038 0.080350
## 444	6.156766	0.009983	0.010978 0.085750
## 445	6.000565	0.007424	0.009317 0.076875
## 446	1.904563	0.013663	0.009458 0.065000
## 447	7.132750	0.011775	0.009888 0.099816
## 448	13.602019	0.013219	0.008820 0.042375
## 449	1.824908	0.005764	0.004978 0.067005
## 450	0.579157	0.012387	0.007793 0.066922
## 451	0.570795	0.018575	0.012093 0.080804
## 452	0.196916	0.018352	0.012146 0.085364
## 453	3.088531	0.019706	0.011258 0.085874
## 454	4.340778	0.013674	0.013071 0.114624

## 455	2.158195	0.011995	0.014478 0.130242
## 456	1.175490	0.015926	0.012739 0.139890
## 457	15.901349	0.015984	0.014618 0.133699
## 458	2.467068	0.013241	0.013758 0.153790
## 459	10.485139	0.010333	0.011743 0.165365
## 460	9.766392	0.013574	0.011241 0.174023
## 461	13.007627	0.015310	0.013792 0.127625
## 462	10.286100	0.015079	0.008079 0.136265
## 463	9.972652	0.009345	0.008080 0.077250
## 464	12.944379	0.025023	0.009474 0.113889
## 465	35.446495	0.022924	0.010476 0.110750
## 466	16.992554	0.027664	0.007698 0.084034
## 467	9.724063	0.013249	0.011098 0.055219
## 468	4.952812	0.005867	0.003066 0.168875
## 469	3.009929	0.010308	0.005915 0.202872
## 470	4.915262	0.011905	0.006146 0.185875
## 471	3.449291	0.014478	0.009939 0.123750
## 472	16.071653	0.009416	0.007444 0.117125
## 473	2.510843	0.009615	0.006204 0.168171
## 474	20.434216	0.008754	0.008142 0.151087
## 475	13.870069	0.016617	0.008813 0.080335
## 476	13.701805	0.013686	0.010442 0.090750
## 477	1.573799	0.016335	0.012466 0.090865
## 478	9.945133	0.017916	0.010179 0.094345
## 479	12.992051	0.015175	0.011132 0.080375
## 480	19.095827	0.013835	0.009047 0.091933
## 481	0.300436	0.018497	0.011359 0.087565
## 482	7.577616	0.014617	0.008014 0.122461
## 483	1.451844	0.014324	0.009059 0.064746
## 484	4.664875	0.015872	0.010008 0.063079
## 485	4.876494	0.013332	0.009983 0.091848
## 486	0.799794	0.012118	0.005243 0.059201
## 487	3.851646	0.015255	0.008340 0.055625
## 488	12.806035	0.013054	0.009838 0.059325
## 489	4.097504	0.012119	0.007686 0.140748
## 490	3.369498	0.010231	0.006120 0.153807
## 491	2.609324	0.008821	0.004135 0.124038
## 492	3.506716	0.009076	0.006913 0.174178
## 493	5.368145	0.008804	0.006673 0.157986
## 494	11.008438	0.010257	0.006775 0.088782
## 495	6.322834	0.012535	0.005764 0.114075
## 496	2.042224	0.016483	0.010007 0.102812
## 497	5.845846	0.013533	0.009931 0.130279
## 498	7.486789	0.014787	0.011689 0.123250
## 499	1.931090	0.014186	0.008573 0.123787
## 500	7.278891	0.012882	0.007712 0.088000
## 501	9.145641	0.017804	0.012181 0.100893
## 502	9.326869	0.012632	0.009916 0.084125
## 503	6.934936	0.016994	0.009380 0.096875
## 504	5.717772	0.020955	0.010405 0.120274
## 505	10.562707	0.016723	0.009053 0.089500
## 506	18.839216	0.017212	0.009935 0.106858
## 507	10.048725	0.016340	0.009915 0.131250
## 508	0.737007	0.018201	0.010116 0.116728

## 509	3.496992	0.018369	0.009363 0.104107
## 510	4.059179	0.015247	0.008901 0.136042
## 511	12.317690	0.016146	0.008191 0.143178
## 512	10.455110	0.023032	0.012015 0.108780
## 513	10.042907	0.024142	0.010871 0.107500
## 514	13.284278	0.024507	0.009400 0.109462
## 515	35.029423	0.022773	0.010548 0.100125
## 516	20.754671	0.029575	0.009432 0.051859
## 517	7.237871	0.013888	0.014503 0.036996
## 518	6.406801	0.000290	0.000148 0.081625
## 519	5.367305	0.009457	0.009662 0.083301
## 520	1.449126	0.011009	0.008497 0.055649
## 521	8.310225	0.009844	0.007663 0.081964
## 522	7.220398	0.011319	0.011334 0.100893
## 523	1.212894	0.019466	0.011505 0.089583
## 524	7.804625	0.016619	0.011391 0.108460
## 525	5.694533	0.016156	0.011320 0.108519
## 526	2.960809	0.019095	0.011276 0.112027
## 527	17.295668	0.015501	0.011303 0.099609
## 528	5.663529	0.015575	0.009809 0.073352
## 529	18.612564	0.017684	0.009712 0.056125
## 530	16.778355	0.018675	0.009892 0.069549
## 531	3.245383	0.016233	0.008443 0.056582
## 532	12.625154	0.012921	0.009234 0.049000
## 533	14.969626	0.016765	0.007165 0.036779
## 534	16.032026	0.017970	0.008450 0.043968
## 535	11.903914	0.018721	0.008835 0.058125
## 536	2.450232	0.012838	0.008382 0.053125
## 537	1.475495	0.017139	0.010205 0.064896
## 538	26.394756	0.014280	0.007494 0.110250
## 539	18.825212	0.015982	0.007589 0.094181
## 540	1.353786	0.015191	0.007020 0.057566
## 541	13.085443	0.016269	0.007550 0.118000
## 542	12.897040	0.015559	0.007958 0.078250
## 543	1.371638	0.018102	0.005765 0.099362
## 544	0.662310	0.016010	0.009335 0.116759
## 545	13.573636	0.011197	0.006818 0.081875
## 546	11.150990	0.005923	0.005475 0.090104
## 547	8.925678	0.012301	0.011983 0.052125
## 548	9.055490	0.018274	0.013859 0.029297
## 549	27.224415	0.012408	0.013502 0.090625
## 550	7.486977	0.014877	0.010221 0.054223
## 551	10.532901	0.016942	0.011121 0.078125
## 552	7.982402	0.016250	0.009018 0.113034
## 553	9.063636	0.015199	0.009358 0.079412
## 554	11.238930	0.005865	0.007269 0.085446
## 555	16.190125	0.010964	0.008686 0.072243
## 556	15.266846	0.009626	0.009350 0.075804
## 557	18.264179	0.008379	0.010497 0.080321
## 558	7.192012	0.011843	0.012157 0.081567
## 559	8.088083	0.010038	0.009235 0.076875
## 560	12.332823	0.000945	0.001213 0.073399
## 561	13.298867	0.001598	0.000786 0.036000
## 562	8.585990	0.001616	0.000807 0.033000

## 563	11.826912	0.001723	0.000737 0.045573
## 564	13.658440	0.004914	0.002653 0.182250
## 565	3.634863	0.010532	0.004402 0.091840
## 566	13.470039	0.010662	0.004750 0.119238
## 567	1.827555	0.014580	0.010218 0.100465
## 568	6.605300	0.011823	0.010835 0.140323
## 569	2.959217	0.013274	0.010451 0.126667
## 570	4.757172	0.011776	0.009437 0.129287
## 571	2.053823	0.012029	0.009221 0.108125
## 572	2.622088	0.007976	0.011758 0.099395
## 573	4.036592	0.012553	0.011408 0.131086
## 574	4.285568	0.012194	0.010844 0.132466
## 575	1.507039	0.012441	0.010077 0.132733
## 576	3.082070	0.014325	0.010913 0.133127
## 577	1.706636	0.015452	0.009547 0.091011
## 578	2.026542	0.015121	0.009515 0.121413
## 579	6.629854	0.006439	0.006391 0.131903
## 580	3.126498	0.020974	0.014650 0.061924
## 581	19.226585	0.026332	0.012067 0.058500
## 582	18.859808	0.019654	0.011845 0.075641
## 583	16.345127	0.017353	0.009352 0.079500
## 584	18.372129	0.019509	0.011459 0.069981
## 585	14.975204	0.016550	0.010634 0.084615
## 586	9.996267	0.015988	0.008738 0.083832
## 587	9.159072	0.025299	0.013028 0.074125
## 588	4.627214	0.016522	0.008995 0.093281
## 589	13.592909	0.019830	0.010602 0.070500
## 590	5.789992	0.020164	0.011395 0.066875
## 591	9.557281	0.016701	0.010038 0.066750
## 592	9.404759	0.018611	0.011623 0.075977
## 593	22.120106	0.020315	0.012300 0.081332
## 594	10.671150	0.020351	0.009973 0.084014
## 595	6.991581	0.017061	0.008045 0.101202
## 596	22.449554	0.017680	0.009573 0.087963
## 597	5.083024	0.021051	0.009728 0.060995
## 598	8.505875	0.016806	0.008669 0.084500
## 599	17.122751	0.019545	0.009161 0.082407
## 600	29.787844	0.014814	0.010116 0.099375
## 601	19.449991	0.014543	0.008320 0.103038
## 602	17.852139	0.019634	0.011411 0.082143
## 603	4.334532	0.012727	0.007785 0.088616
## 604	12.711514	0.018908	0.008091 0.123117
## 605	8.409467	0.018358	0.008552 0.098857
## 606	8.407309	0.019327	0.009211 0.090835
## 607	2.022569	0.015669	0.008906 0.105998
## 608	2.243910	0.018699	0.008737 0.100789
## 609	5.267454	0.016117	0.008231 0.105313
## 610	5.904896	0.017188	0.008207 0.112968
## 611	18.395449	0.014978	0.009350 0.086045
## 612	13.700568	0.025433	0.011274 0.110982
## 613	11.966104	0.022242	0.012134 0.117000
## 614	4.863386	0.020739	0.012475 0.108250
## 615	11.976090	0.026128	0.010568 0.076096
## 616	9.686193	0.025593	0.009508 0.056661

## 617	15.702156	0.017510	0.010993 0.106789
## 618	14.652145	0.021115	0.008523 0.075977
## 619	16.245844	0.018140	0.009794 0.101270
## 620	12.049524	0.020223	0.008341 0.075229
## 621	8.374251	0.021754	0.008832 0.055645
## 622	15.400851	0.022618	0.010548 0.069375
## 623	9.973955	0.020969	0.009541 0.054875
## 624	13.916911	0.018804	0.008960 0.100845
## 625	15.777862	0.017546	0.008266 0.083000
## 626	18.247709	0.017915	0.008759 0.113991
## 627	9.365466	0.021086	0.008379 0.089556
## 628	5.542925	0.022561	0.008037 0.094005
## 629	13.589963	0.014172	0.008305 0.112375
## 630	15.184257	0.015541	0.008659 0.101750
## 631	17.022352	0.010676	0.013076 0.091250
## 632	3.338657	0.017307	0.008897 0.111840
## 633	5.148060	0.013992	0.007797 0.107738
## 634	3.986500	0.017282	0.008287 0.108427
## 635	3.985538	0.015210	0.007774 0.124522
## 636	7.826558	0.015492	0.008736 0.119522
## 637	6.404844	0.022202	0.010662 0.090625
## 638	11.798245	0.017309	0.008622 0.113504
## 639	4.740993	0.016114	0.007326 0.110324
## 640	9.476209	0.018402	0.011379 0.085375
## 641	36.656776	0.014583	0.007974 0.092036
## 642	18.486166	0.020478	0.011195 0.101500
## 643	12.583764	0.018916	0.011939 0.082692
## 644	8.459662	0.016017	0.007876 0.081500
## 645	6.783195	0.017349	0.009864 0.072500
## 646	8.181725	0.017414	0.007685 0.077108
## 647	23.002228	0.016368	0.006593 0.069975
## 648	17.007051	0.017411	0.010305 0.068874
## 649	13.609805	0.015509	0.010348 0.103750
## 650	7.801549	0.011081	0.008457 0.097128
## 651	6.844614	0.012337	0.007464 0.082750
## 652	11.744518	0.021334	0.011280 0.096625
## 653	2.982232	0.015653	0.008998 0.124875
## 654	10.384375	0.013281	0.007385 0.092750
## 655	2.965339	0.015215	0.008647 0.099569
## 656	7.969742	0.017607	0.008049 0.110498
## 657	11.721196	0.018136	0.009560 0.094018
## 658	12.929371	0.015436	0.009624 0.112250
## 659	9.581347	0.015918	0.008446 0.100994
## 660	10.992304	0.013993	0.009021 0.087750
## 661	1.665596	0.016198	0.009240 0.103317
## 662	7.953851	0.018079	0.008561 0.109654
## 663	8.357105	0.019241	0.009964 0.096339
## 664	19.181946	0.016721	0.008798 0.085557
## 665	6.099367	0.018992	0.010202 0.081375
## 666	12.913910	0.013565	0.008191 0.070375
## 667	2.843764	0.019732	0.008967 0.106250
## 668	9.626644	0.014194	0.008338 0.146440
## 669	9.462987	0.016988	0.009228 0.127250
## 670	13.405516	0.010614	0.005823 0.164482

## 671	14.869689	0.016648	0.008899 0.154119
## 672	5.385372	0.015169	0.009215 0.143910
## 673	6.838457	0.018456	0.011243 0.095265
## 674	11.407987	0.027549	0.012698 0.056424
## 675	18.382174	0.022355	0.009483 0.086822
## 676	12.431656	0.020929	0.008283 0.094783
## 677	6.113593	0.019025	0.008031 0.072917
## 678	13.210263	0.020044	0.008983 0.062007
## 679	13.444777	0.017228	0.009079 0.086558
## 680	0.555020	0.016615	0.007975 0.119420
## 681	12.398277	0.015214	0.008832 0.089250
## 682	9.238341	0.012870	0.007625 0.065625
## 683	6.037332	0.008265	0.011107 0.096521
## 684	2.600101	0.016057	0.008437 0.128990
## 685	2.422030	0.014855	0.010092 0.100065
## 686	6.068143	0.016939	0.011020 0.089481
## 687	4.160513	0.010539	0.010003 0.093726
## 688	6.430801	0.015182	0.011494 0.106610
## 689	2.073393	0.014266	0.009811 0.107649
## 690	2.043572	0.017305	0.009881 0.099299
## 691	5.376946	0.016576	0.009875 0.099885
## 692	15.764909	0.015355	0.010088 0.081250
## 693	11.944790	0.011497	0.010367 0.074543
## 694	4.690551	0.013743	0.010833 0.095635
## 695	2.488445	0.011178	0.010192 0.095122
## 696	26.868710	0.013798	0.009035 0.096507
## 697	37.135471	0.013474	0.010722 0.070370
## 698	22.844032	0.011532	0.010472 0.075216
## 699	10.389008	0.008784	0.009831 0.061538
## 700	5.366136	0.017130	0.010347 0.118858
## 701	3.073336	0.016109	0.010897 0.129137
## 702	4.371352	0.015086	0.010795 0.108638
## 703	0.942945	0.015089	0.010533 0.119204
## 704	3.249435	0.015136	0.011678 0.126601
## 705	5.358370	0.016238	0.011797 0.119363
## 706	3.078462	0.014432	0.011277 0.125360
## 707	4.835555	0.015759	0.011053 0.117254
## 708	3.250707	0.014550	0.011744 0.121108
## 709	5.323277	0.016291	0.012677 0.119594
## 710	7.287744	0.014684	0.010594 0.110022
## 711	1.470474	0.015678	0.010861 0.114857
## 712	2.134175	0.014423	0.009958 0.118372
## 713	3.499542	0.015076	0.010257 0.123657
## 714	2.067086	0.016102	0.011484 0.102768
## 715	0.804088	0.015729	0.011114 0.100842
## 716	5.585154	0.018643	0.008946 0.105323
## 717	1.705822	0.018229	0.009399 0.095699
## 718	1.120366	0.016944	0.011167 0.081827
## 719	2.186410	0.016924	0.010861 0.103902
## 720	4.772237	0.016705	0.010092 0.078871
## 721	4.699634	0.017170	0.009864 0.095906
## 722	27.628929	0.011181	0.010825 0.110750
## 723	5.805154	0.014178	0.009485 0.102704
## 724	2.010188	0.011910	0.007513 0.104972

## 725	0.813145	0.014493	0.007420 0.144676
## 726	11.345586	0.020088	0.008066 0.115674
## 727	3.227441	0.019287	0.009683 0.117008
## 728	4.965641	0.018358	0.008634 0.091843
## 729	2.639546	0.015516	0.008343 0.090530
## 730	1.477002	0.019075	0.008129 0.097581
## 731	2.224663	0.018761	0.007682 0.096389
## 732	5.489486	0.020364	0.007464 0.079564
## 733	3.863904	0.018602	0.006471 0.080007
## 734	7.975136	0.018004	0.007506 0.075218
## 735	6.429352	0.017766	0.008118 0.082264
## 736	7.300550	0.017231	0.008822 0.092708
## 737	1.599265	0.019823	0.009050 0.067708
## 738	4.896188	0.021355	0.009788 0.059215
## 739	7.360237	0.017510	0.009093 0.071573
## 740	6.236387	0.015862	0.008732 0.085322
## 741	6.439764	0.017134	0.009675 0.081048
## 742	6.246078	0.016394	0.009718 0.075799
## 743	13.919785	0.013932	0.007128 0.121375
## 744	2.526874	0.016719	0.006629 0.090899
## 745	5.561421	0.014030	0.005835 0.132133
## 746	12.812286	0.016030	0.008166 0.096875
## 747	9.976977	0.016863	0.007747 0.094922
## 748	5.483016	0.017381	0.006993 0.094326
## 749	10.183315	0.018196	0.006449 0.097465
## 750	3.766606	0.017475	0.007232 0.105694
## 751	1.657626	0.014837	0.005326 0.133482
## 752	4.082019	0.014532	0.006923 0.114167
## 753	23.260128	0.013996	0.006444 0.139063
## 754	5.026402	0.015297	0.006230 0.131686
## 755	1.982150	0.013923	0.007461 0.126250
## 756	19.683792	0.014026	0.008589 0.146875
## 757	7.519628	0.018759	0.009249 0.064352
## 758	17.848009	0.012430	0.012041 0.121071
## 759	10.824164	0.017597	0.011579 0.102210
## 760	20.777166	0.018623	0.009220 0.092500
## 761	3.622604	0.020497	0.008794 0.093659
## 762	8.475344	0.019812	0.009834 0.101236
## 763	2.601047	0.019249	0.007427 0.096875
## 764	2.345242	0.022381	0.014114 0.075729
## 765	1.277157	0.025457	0.010088 0.071964
## 766	1.130452	0.020363	0.007416 0.095066
## 767	1.601081	0.013800	0.006960 0.108890
## 768	4.104910	0.020695	0.008722 0.091334
## 769	7.885233	0.016639	0.009169 0.085750
## 770	0.404019	0.021899	0.008339 0.087033
## 771	4.556687	0.021538	0.011364 0.098500
## 772	7.577384	0.019383	0.008759 0.115503
## 773	3.792104	0.018829	0.008264 0.110547
## 774	2.612975	0.015517	0.008185 0.118966
## 775	2.091138	0.008860	0.006759 0.077992
## 776	1.411474	0.023621	0.011260 0.086798
## 777	1.071406	0.020183	0.009870 0.084455
## 778	6.689384	0.018526	0.010100 0.108870

## 779	8.065211	0.018126	0.009691 0.092134
## 780	7.737362	0.019003	0.010139 0.095619
## 781	12.800172	0.019722	0.009750 0.089453
## 782	12.726940	0.018798	0.009058 0.089631
## 783	0.754474	0.020661	0.010036 0.108534
## 784	1.761742	0.019000	0.009018 0.116656
## 785	0.518089	0.017305	0.009960 0.108581
## 786	0.368422	0.019835	0.008783 0.093531
## 787	3.830066	0.019854	0.007426 0.097705
## 788	7.214886	0.019261	0.009943 0.104567
## 789	1.749790	0.015701	0.010951 0.111367
## 790	1.759009	0.015854	0.010755 0.105230
## 791	1.171378	0.017812	0.011227 0.083218
## 792	6.132028	0.015228	0.011247 0.094777
## 793	5.062973	0.016438	0.010273 0.102551
## 794	11.524413	0.018131	0.012154 0.087625
## 795	13.815854	0.025145	0.010722 0.093997
## 796	4.673953	0.013925	0.013543 0.097088
## 797	6.947642	0.017098	0.012436 0.105247
## 798	36.335464	0.010963	0.012094 0.087802
## 799	19.272228	0.019294	0.015501 0.098000
## 800	12.472466	0.013377	0.013094 0.093590
## 801	7.947833	0.007403	0.006025 0.085375
## 802	7.756672	0.019215	0.015059 0.110125
## 803	8.597395	0.016930	0.010693 0.100436
## 804	23.679073	0.015189	0.013509 0.068945
## 805	1.864102	0.017630	0.007770 0.069922
## 806	9.164217	0.016291	0.009229 0.072875
## 807	2.339483	0.012746	0.009810 0.070502
## 808	3.695383	0.014874	0.010286 0.117330
## 809	1.066307	0.014000	0.010742 0.126595
## 810	1.889964	0.015364	0.010478 0.125159
## 811	2.405643	0.011498	0.009816 0.116875
## 812	2.054358	0.012995	0.009473 0.123848
## 813	2.937492	0.013611	0.009659 0.132006
## 814	1.959305	0.012831	0.010428 0.133803
## 815	2.587883	0.013622	0.010509 0.127088
## 816	1.024051	0.012027	0.010710 0.134474
## 817	1.765499	0.013325	0.010322 0.128955
## 818	11.573174	0.007881	0.006336 0.085125
## 819	2.031676	0.016846	0.009139 0.093354
## 820	0.969978	0.015849	0.010912 0.109796
## 821	2.485713	0.015073	0.011439 0.149233
## 822	2.262080	0.013937	0.011567 0.150796
## 823	1.139857	0.014845	0.011011 0.134134
## 824	4.618013	0.014997	0.009722 0.118389
## 825	4.847052	0.017341	0.011462 0.101141
## 826	13.347882	0.014993	0.012238 0.076599
## 827	5.751136	0.016665	0.009551 0.103783
## 828	1.788963	0.011287	0.008802 0.132981
## 829	2.891950	0.017760	0.009589 0.113596
## 830	3.066621	0.021081	0.008076 0.081571
## 831	3.728773	0.019406	0.006259 0.093109
## 832	10.785198	0.017261	0.006884 0.091526

## 833	2.980915	0.018228	0.011808 0.088095
## 834	10.776614	0.021128	0.009164 0.099586
## 835	5.881167	0.017998	0.008331 0.089489
## 836	2.835494	0.016654	0.006295 0.084662
## 837	2.910997	0.018297	0.009565 0.068889
## 838	2.970124	0.022020	0.014693 0.062677
## 839	4.956067	0.021218	0.010294 0.052471
## 840	8.649916	0.015000	0.008549 0.074009
## 841	5.355453	0.020890	0.011065 0.072614
## 842	16.124693	0.015541	0.010391 0.085714
## 843	4.959883	0.021361	0.009503 0.059236
## 844	5.293183	0.020589	0.008166 0.064908
## 845	10.476626	0.021997	0.009806 0.060172
## 846	4.659677	0.026431	0.010446 0.033452
## 847	5.628315	0.020240	0.008079 0.059918
## 848	4.331232	0.019386	0.010231 0.070855
## 849	12.219508	0.017983	0.009087 0.069125
## 850	9.538309	0.019846	0.009888 0.073106
## 851	8.357100	0.017843	0.007716 0.080482
## 852	4.696788	0.020981	0.009132 0.087436
## 853	14.954129	0.021014	0.009294 0.097600
## 854	7.770056	0.018310	0.008641 0.079040
## 855	6.992114	0.020272	0.008567 0.091509
## 856	21.406607	0.021477	0.008931 0.073750
## 857	5.161820	0.023925	0.007928 0.057083
## 858	8.114012	0.022289	0.009622 0.052628
## 859	5.568157	0.020842	0.007458 0.081328
## 860	4.148129	0.014515	0.008101 0.107523
## 861	5.786405	0.019196	0.012640 0.101758
## 862	6.381961	0.017536	0.010045 0.111111
## 863	1.911855	0.016957	0.010654 0.122168
## 864	1.742500	0.016606	0.009569 0.104142
## 865	11.103159	0.016418	0.009226 0.115675
## 866	5.857239	0.017497	0.010524 0.114349
## 867	5.748394	0.015534	0.007121 0.103437
## 868	2.359724	0.017947	0.010322 0.108239
## 869	3.701522	0.019704	0.014511 0.080022
## 870	8.878972	0.017827	0.011384 0.094875
## 871	2.797655	0.010862	0.005380 0.094326
## 872	8.884755	0.017573	0.012027 0.109625
## 873	23.998028	0.013894	0.011129 0.102625
## 874	4.130390	0.017180	0.011384 0.103551
## 875	2.628649	0.016219	0.010474 0.103860
## 876	3.122856	0.016723	0.011657 0.102500
## 877	2.990571	0.018772	0.011435 0.118750
## 878	14.357435	0.017407	0.010392 0.123898
## 879	4.598907	0.021976	0.012144 0.114121
## 880	3.706696	0.021772	0.007300 0.106458
## 881	3.556168	0.018543	0.007035 0.126799
## 882	2.821884	0.014538	0.008211 0.105147
## 883	3.234842	0.016488	0.008355 0.117144
## 884	0.814738	0.019746	0.008933 0.110597
## 885	3.908400	0.019861	0.008700 0.099638
## 886	5.158980	0.019792	0.008081 0.093869

## 887	4.520442	0.023044	0.009065 0.078125
## 888	4.567567	0.019694	0.007326 0.092099
## 889	2.554547	0.020192	0.007591 0.110955
## 890	6.340824	0.017082	0.008886 0.079875
## 891	17.535145	0.018383	0.007843 0.123790
## 892	15.235641	0.017165	0.008392 0.098566
## 893	0.533543	0.018287	0.006939 0.110667
## 894	9.094271	0.015284	0.007092 0.166500
## 895	2.600887	0.021786	0.008478 0.097719
## 896	0.769926	0.013623	0.011083 0.129297
## 897	1.604486	0.014173	0.011174 0.147175
## 898	6.343440	0.014611	0.011165 0.153458
## 899	3.403655	0.016442	0.010429 0.130354
## 900	18.117802	0.014320	0.010460 0.115750
## 901	3.074159	0.015853	0.009816 0.130436
## 902	18.016619	0.012681	0.011005 0.208875
## 903	3.175563	0.015967	0.010959 0.208916
## 904	4.281074	0.015023	0.010362 0.177206
## 905	3.859684	0.015423	0.010725 0.218966
## 906	3.460770	0.016470	0.011022 0.214139
## 907	19.443644	0.008660	0.009066 0.269000
## 908	2.239821	0.016569	0.011039 0.213839
## 909	10.876073	0.016211	0.010662 0.183419
## 910	13.458325	0.016227	0.010446 0.192630
## 911	2.078006	0.015262	0.010311 0.185842
## 912	2.695193	0.017212	0.010563 0.143399
## 913	1.795326	0.013954	0.010912 0.162883
## 914	6.416060	0.010832	0.009850 0.127202
## 915	4.813581	0.010962	0.011004 0.089706
## 916	3.988127	0.014772	0.011497 0.119679
## 917	5.544502	0.012469	0.010587 0.104830
## 918	4.515646	0.013698	0.011247 0.107344
## 919	4.829151	0.016030	0.012281 0.118750
## 920	4.686765	0.007068	0.004864 0.163125
## 921	6.766399	0.017189	0.016113 0.083903
## 922	15.295050	0.024826	0.007466 0.101406
## 923	13.260373	0.021086	0.008414 0.087216
## 924	4.194323	0.020274	0.009232 0.079125
## 925	12.711592	0.020189	0.004644 0.091452
## 926	20.317734	0.018071	0.005599 0.091461
## 927	0.351279	0.017725	0.006700 0.094850
## 928	10.403066	0.018405	0.009084 0.104229
## 929	0.750674	0.017942	0.009756 0.076854
## 930	1.005588	0.016203	0.006742 0.099949
## 931	1.352161	0.015451	0.006376 0.115564
## 932	14.908430	0.016305	0.005291 0.106944
## 933	5.088648	0.010670	0.007712 0.077146
## 934	1.827917	0.022732	0.016850 0.090694
## 935	2.382754	0.021367	0.007314 0.111298
## 936	4.137108	0.019171	0.007160 0.117391
## 937	2.876201	0.015839	0.009437 0.112984
## 938	2.396943	0.017659	0.008252 0.111824
## 939	3.180005	0.019122	0.008510 0.110505
## 940	5.584300	0.019957	0.008882 0.097227

## 941	2.494662	0.020135	0.009066 0.093677
## 942	4.588769	0.021486	0.007721 0.085289
## 943	1.334325	0.019336	0.007147 0.114080
## 944	5.884665	0.015261	0.007626 0.091250
## 945	39.174175	0.023127	0.011611 0.065375
## 946	14.804508	0.019317	0.009294 0.085069
## 947	15.238285	0.017382	0.010216 0.085500
## 948	13.930102	0.016898	0.007857 0.132851
## 949	5.738523	0.016819	0.009818 0.069750
## 950	7.949988	0.016869	0.008893 0.100994
## 951	23.379910	0.016921	0.006804 0.109926
## 952	20.054790	0.021237	0.007983 0.142215
## 953	12.688872	0.022872	0.009831 0.081158
## 954	13.123830	0.014770	0.008578 0.097250
## 955	4.840219	0.022342	0.012346 0.026625
## 956	12.517275	0.015575	0.006448 0.083028
## 957	11.776197	0.014788	0.006018 0.085609
## 958	13.067997	0.015074	0.007753 0.068080
## 959	14.922566	0.014908	0.007074 0.062109
## 960	16.965067	0.021936	0.011796 0.034961
## 961	12.094976	0.014049	0.006465 0.068216
## 962	8.142641	0.012666	0.012369 0.088004
## 963	15.106134	0.022153	0.010547 0.111875
## 964	9.321025	0.017936	0.009855 0.120250
## 965	15.015159	0.019485	0.009640 0.090214
## 966	14.640544	0.022796	0.010384 0.056250
## 967	17.181787	0.020283	0.009553 0.092442
## 968	9.022643	0.021047	0.011286 0.089145
## 969	6.655186	0.022023	0.006753 0.088017
## 970	11.985091	0.024657	0.009633 0.052273
## 971	8.295987	0.018626	0.010990 0.063750
## 972	12.162234	0.020838	0.009638 0.061500
## 973	2.837537	0.017554	0.007334 0.109444
## 974	9.363033	0.020516	0.007563 0.105934
## 975	10.461990	0.020189	0.011113 0.091625
## 976	13.742941	0.022722	0.009618 0.075469
## 977	18.742374	0.019905	0.009349 0.079625
## 978	15.232094	0.017847	0.008762 0.102966
## 979	4.506537	0.017148	0.008373 0.112500
## 980	11.886810	0.013711	0.009081 0.100000
## 981	18.217266	0.015543	0.007944 0.146310
## 982	13.981872	0.015969	0.008323 0.162628
## 983	4.112872	0.023613	0.011080 0.084789
## 984	16.554525	0.019442	0.008553 0.093644
## 985	12.511807	0.024947	0.010318 0.077715
## 986	21.013868	0.015079	0.008872 0.089875
## 987	9.639449	0.016873	0.009238 0.083875
## 988	6.005770	0.020691	0.009433 0.074479
## 989	3.419201	0.017300	0.008074 0.096602
## 990	2.667535	0.011121	0.010466 0.131483
## 991	2.093201	0.014199	0.012366 0.135425
## 992	4.609475	0.016175	0.013283 0.138318
## 993	3.719089	0.013806	0.013151 0.137311
## 994	1.017306	0.016477	0.010233 0.125395

## 995	1.059197	0.016572	0.008908 0.111190
## 996	4.548000	0.015571	0.009927 0.118212
## 997	0.707492	0.015475	0.010060 0.109836
## 998	2.969073	0.016335	0.009787 0.110802
## 999	4.980525	0.012904	0.011327 0.098317
## 1000	3.793444	0.017460	0.009846 0.100124
## 1001	4.616503	0.020408	0.007532 0.079760
## 1002	10.075988	0.017075	0.010823 0.104464
## 1003	3.706999	0.010802	0.013057 0.107797
## 1004	8.501335	0.012245	0.010116 0.245313
## 1005	5.235548	0.013893	0.012864 0.209647
## 1006	10.758800	0.013257	0.011414 0.164407
## 1007	11.991055	0.018297	0.011460 0.105125
## 1008	14.825983	0.022289	0.009136 0.107054
## 1009	9.257383	0.010061	0.009232 0.108047
## 1010	26.384691	0.016263	0.012749 0.101000
## 1011	5.352853	0.012615	0.012197 0.164440
## 1012	4.921465	0.014904	0.012817 0.148636
## 1013	4.357165	0.020425	0.009776 0.116883
## 1014	5.238572	0.014882	0.009501 0.135486
## 1015	2.486537	0.017625	0.010700 0.124357
## 1016	8.512636	0.012007	0.012669 0.204770
## 1017	2.194218	0.018008	0.007133 0.164655
## 1018	6.469972	0.012562	0.011475 0.133475
## 1019	6.981289	0.015369	0.012945 0.143019
## 1020	7.552763	0.019045	0.008986 0.130792
## 1021	4.664687	0.011613	0.010527 0.145655
## 1022	2.000760	0.012701	0.012577 0.136659
## 1023	4.054493	0.016263	0.010953 0.146725
## 1024	12.906240	0.014012	0.011470 0.155455
## 1025	6.284369	0.016579	0.012681 0.131720
## 1026	6.350212	0.015061	0.012357 0.132480
## 1027	4.366991	0.017813	0.010796 0.148258
## 1028	3.055978	0.017980	0.008793 0.151786
## 1029	12.018565	0.013180	0.011808 0.130239
## 1030	15.112944	0.013102	0.012671 0.123986
## 1031	11.991739	0.015717	0.011875 0.136203
## 1032	6.233218	0.012641	0.013345 0.147569
## 1033	2.663686	0.015704	0.011627 0.119792
## 1034	14.053720	0.015443	0.011416 0.132250
## 1035	6.635781	0.015758	0.010433 0.145086
## 1036	3.497926	0.017178	0.013096 0.134188
## 1037	8.815638	0.016454	0.010849 0.152068
## 1038	4.662062	0.016353	0.009613 0.140303
## 1039	8.142391	0.017676	0.012470 0.112429
## 1040	3.022815	0.014876	0.014793 0.136440
## 1041	3.899664	0.012687	0.012598 0.186903
## 1042	12.100750	0.013475	0.011005 0.174554
## 1043	5.623868	0.015627	0.011790 0.133066
## 1044	4.584822	0.011318	0.012343 0.138738
## 1045	2.742361	0.016443	0.010918 0.127007
## 1046	0.746882	0.013742	0.011031 0.135440
## 1047	3.131458	0.014538	0.009574 0.129931
## 1048	2.550984	0.013796	0.011397 0.132020

## 1049	2.557386	0.015916	0.013113 0.152863
## 1050	1.366679	0.013910	0.011422 0.134986
## 1051	0.755508	0.013834	0.011232 0.132406
## 1052	3.014101	0.014520	0.013005 0.141188
## 1053	1.992958	0.015817	0.012513 0.147910
## 1054	4.398511	0.015154	0.013146 0.140139
## 1055	1.736774	0.014216	0.011493 0.133206
## 1056	1.466054	0.015194	0.010842 0.127679
## 1057	2.242096	0.014502	0.011569 0.139006
## 1058	5.194221	0.014917	0.013096 0.152803
## 1059	8.758620	0.012349	0.013828 0.152546
## 1060	5.138249	0.014214	0.011225 0.132789
## 1061	2.173294	0.014733	0.010288 0.124396
## 1062	4.400301	0.013460	0.012030 0.126264
## 1063	1.977231	0.014642	0.011274 0.117624
## 1064	4.970060	0.016846	0.012585 0.108136
## 1065	5.875073	0.013515	0.014321 0.100087
## 1066	3.027287	0.016061	0.013475 0.102138
## 1067	5.569673	0.012412	0.013791 0.164900
## 1068	3.961496	0.016848	0.012678 0.129883
## 1069	2.989563	0.011756	0.012496 0.149170
## 1070	14.203424	0.016015	0.012167 0.101480
## 1071	13.752337	0.013120	0.011672 0.104000
## 1072	13.127954	0.015050	0.014266 0.102593
## 1073	0.457729	0.014095	0.013680 0.155954
## 1074	3.438823	0.016011	0.012378 0.120341
## 1075	3.641905	0.014354	0.010898 0.158929
## 1076	2.959391	0.012404	0.008084 0.168375
## 1077	2.463674	0.015038	0.010614 0.162292
## 1078	1.952454	0.014826	0.005555 0.139344
## 1079	0.213555	0.014231	0.006176 0.113258
## 1080	4.729973	0.018857	0.012306 0.080250
## 1081	8.220504	0.016436	0.009482 0.106125
## 1082	18.792685	0.015630	0.009913 0.084375
## 1083	4.079749	0.018536	0.008824 0.088609
## 1084	13.120384	0.020647	0.009836 0.077620
## 1085	16.515739	0.017898	0.008443 0.080174
## 1086	16.969254	0.018410	0.008220 0.076411
## 1087	19.804525	0.017667	0.009602 0.070747
## 1088	36.339153	0.018565	0.009455 0.091176
## 1089	21.940819	0.019129	0.008944 0.097356
## 1090	12.697555	0.014321	0.009600 0.080625
## 1091	1.891398	0.014484	0.009422 0.071296
## 1092	10.933250	0.014835	0.010369 0.106500
## 1093	14.071203	0.018650	0.009088 0.093210
## 1094	16.029835	0.020801	0.010870 0.074700
## 1095	6.710710	0.015969	0.009035 0.066853
## 1096	17.953352	0.018303	0.013682 0.080341
## 1097	3.731628	0.019334	0.008562 0.096284
## 1098	8.362646	0.017179	0.009284 0.103010
## 1099	7.878668	0.023045	0.009061 0.097122
## 1100	33.212902	0.020849	0.011168 0.068140
## 1101	18.032104	0.020631	0.008135 0.074085
## 1102	8.449059	0.016872	0.011593 0.107465

## 1103	1.959050	0.020080	0.009719 0.071270
## 1104	2.251773	0.019285	0.013237 0.081414
## 1105	5.278003	0.018682	0.007092 0.088352
## 1106	5.652042	0.019822	0.009370 0.091626
## 1107	10.175610	0.015909	0.009120 0.105428
## 1108	5.826025	0.016666	0.008880 0.088920
## 1109	3.504423	0.018375	0.008738 0.100063
## 1110	1.683100	0.013149	0.009029 0.099858
## 1111	2.740439	0.015607	0.007965 0.102771
## 1112	4.939389	0.017611	0.009319 0.104142
## 1113	8.917130	0.017045	0.008979 0.100381
## 1114	5.441129	0.014700	0.007629 0.123925
## 1115	16.599241	0.016062	0.018442 0.041071
## 1116	6.314698	0.028351	0.010399 0.060625
## 1117	5.420122	0.020680	0.011835 0.044314
## 1118	10.608306	0.015217	0.008129 0.078799
## 1119	4.723826	0.022022	0.012857 0.057599
## 1120	5.805734	0.017532	0.009768 0.080299
## 1121	4.710447	0.021211	0.009529 0.062181
## 1122	12.537297	0.017174	0.009337 0.061058
## 1123	9.142977	0.020670	0.009638 0.064355
## 1124	8.410377	0.022484	0.009647 0.059430
## 1125	5.738574	0.025768	0.009856 0.032000
## 1126	14.974524	0.018720	0.007377 0.065402
## 1127	4.928234	0.020404	0.010666 0.058232
## 1128	6.676903	0.019304	0.007296 0.082047
## 1129	11.050355	0.015188	0.008836 0.086000
## 1130	11.842441	0.019951	0.010552 0.075625
## 1131	7.161602	0.019982	0.007931 0.094411
## 1132	4.680284	0.021552	0.007645 0.084441
## 1133	2.512934	0.017956	0.009476 0.105660
## 1134	4.630290	0.015722	0.012658 0.128738
## 1135	2.441465	0.015002	0.013232 0.141355
## 1136	11.179941	0.012379	0.013398 0.131710
## 1137	0.765318	0.016492	0.012957 0.132283
## 1138	2.346636	0.015981	0.012013 0.119107
## 1139	2.487877	0.015651	0.012242 0.128360
## 1140	13.503088	0.018482	0.012009 0.117750
## 1141	1.692624	0.016196	0.011805 0.123371
## 1142	8.792707	0.016608	0.012547 0.117667
## 1143	1.628736	0.016104	0.012218 0.121791
## 1144	2.245315	0.016764	0.010018 0.127472
## 1145	2.862164	0.017371	0.011672 0.135789
## 1146	11.612206	0.011987	0.012108 0.141375
## 1147	1.899230	0.017703	0.011638 0.117325
## 1148	17.924723	0.011147	0.012779 0.096375
## 1149	3.934292	0.017946	0.010975 0.109024
## 1150	4.131608	0.013965	0.010359 0.129550
## 1151	3.686148	0.017512	0.012567 0.099107
## 1152	3.455127	0.016885	0.012409 0.144836
## 1153	12.729553	0.012533	0.012613 0.151625
## 1154	1.502094	0.015860	0.013294 0.150897
## 1155	13.708163	0.009449	0.011836 0.082000
## 1156	3.270315	0.015824	0.011126 0.140231

## 1157	3.493593	0.016814	0.011347 0.131943
## 1158	11.315830	0.016259	0.010307 0.120010
## 1159	2.584320	0.015332	0.010982 0.148719
## 1160	6.166556	0.016278	0.010344 0.130122
## 1161	2.290067	0.016304	0.010986 0.125268
## 1162	3.085613	0.020945	0.011672 0.125658
## 1163	17.918373	0.015102	0.011320 0.108375
## 1164	8.063357	0.012845	0.012681 0.131375
## 1165	21.431765	0.014652	0.009998 0.129972
## 1166	4.940143	0.015254	0.014339 0.113810
## 1167	8.198491	0.016751	0.011148 0.108500
## 1168	4.241084	0.010734	0.010557 0.136678
## 1169	14.118260	0.008140	0.005854 0.140854
## 1170	8.116153	0.017911	0.012404 0.132836
## 1171	13.418245	0.015161	0.011824 0.106330
## 1172	9.119419	0.017792	0.010516 0.140856
## 1173	31.504984	0.012301	0.011705 0.114103
## 1174	15.232842	0.003357	0.002397 0.198875
## 1175	0.714772	0.010621	0.004724 0.165509
## 1176	1.424195	0.013068	0.006911 0.124880
## 1177	8.347795	0.011089	0.009614 0.076125
## 1178	1.230668	0.029151	0.012618 0.081134
## 1179	2.445983	0.022781	0.010630 0.087139
## 1180	6.628494	0.019451	0.008396 0.088470
## 1181	29.556526	0.022182	0.010414 0.094602
## 1182	3.245552	0.019172	0.009034 0.086422
## 1183	12.701635	0.020281	0.009886 0.080375
## 1184	17.085176	0.021637	0.011588 0.085125
## 1185	4.793225	0.015113	0.007986 0.094125
## 1186	9.589227	0.022795	0.009429 0.082157
## 1187	3.994055	0.024241	0.010084 0.072953
## 1188	3.914898	0.018566	0.009013 0.103676
## 1189	6.460850	0.020373	0.008732 0.094420
## 1190	3.223484	0.023832	0.008944 0.098818
## 1191	17.906775	0.022353	0.008989 0.084809
## 1192	11.216866	0.014332	0.007103 0.089500
## 1193	6.602419	0.021712	0.010477 0.083500
## 1194	5.700713	0.021134	0.009501 0.084125
## 1195	10.294112	0.021845	0.005893 0.109145
## 1196	3.919291	0.021817	0.009633 0.080787
## 1197	2.969641	0.021754	0.009165 0.081562
## 1198	2.086763	0.020856	0.006864 0.104540
## 1199	3.922297	0.022966	0.005797 0.092534
## 1200	19.951338	0.019548	0.009168 0.077625
## 1201	18.607904	0.018325	0.008320 0.091500
## 1202	12.937810	0.017660	0.008518 0.095750
## 1203	16.026848	0.016593	0.006405 0.107813
## 1204	16.115995	0.014381	0.006994 0.114000
## 1205	19.145145	0.018922	0.005160 0.125969
## 1206	12.735985	0.020616	0.006197 0.113185
## 1207	0.973525	0.016233	0.006992 0.120144
## 1208	0.701152	0.020808	0.008604 0.080306
## 1209	1.291388	0.016776	0.008822 0.067460
## 1210	3.267050	0.021452	0.010938 0.092574

## 1211	3.844311	0.018624	0.008401 0.106997
## 1212	7.186829	0.019336	0.009592 0.121514
## 1213	1.785048	0.016224	0.009012 0.109961
## 1214	0.278777	0.019515	0.010222 0.090820
## 1215	3.561759	0.020087	0.007570 0.093820
## 1216	13.736250	0.017928	0.009488 0.092125
## 1217	15.806440	0.012725	0.009879 0.087375
## 1218	17.183834	0.012559	0.009205 0.082875
## 1219	0.957977	0.020205	0.010266 0.104319
## 1220	6.260918	0.012360	0.010039 0.100363
## 1221	1.068371	0.018747	0.010917 0.115871
## 1222	3.414227	0.017098	0.011136 0.078832
## 1223	9.479136	0.016496	0.011387 0.088834
## 1224	7.283327	0.016923	0.013653 0.085938
## 1225	11.290606	0.017121	0.010328 0.105284
## 1226	4.339101	0.021369	0.010101 0.105307
## 1227	14.060319	0.010754	0.006042 0.119360
## 1228	10.238631	0.012426	0.008149 0.094952
## 1229	5.859849	0.017285	0.008246 0.104948
## 1230	4.230694	0.017211	0.008539 0.120384
## 1231	3.150031	0.016349	0.007323 0.112946
## 1232	5.959343	0.016252	0.009246 0.113049
## 1233	4.980171	0.015161	0.011632 0.127673
## 1234	3.468386	0.017879	0.013521 0.137245
## 1235	2.603858	0.016234	0.012500 0.127534
## 1236	1.034448	0.015953	0.012680 0.134029
## 1237	3.690922	0.017129	0.010564 0.136773
## 1238	12.028474	0.010262	0.009475 0.074500
## 1239	1.718835	0.016563	0.012197 0.128178
## 1240	6.416109	0.016505	0.010917 0.142887
## 1241	2.275891	0.014937	0.011472 0.127494
## 1242	3.529437	0.017217	0.010950 0.137832
## 1243	8.917988	0.020554	0.012483 0.076250
## 1244	2.332324	0.017537	0.012007 0.114934
## 1245	1.745805	0.016443	0.011812 0.144932
## 1246	4.963105	0.015322	0.010499 0.166385
## 1247	5.380759	0.014908	0.010148 0.159471
## 1248	5.043072	0.017265	0.012441 0.148806
## 1249	0.622839	0.017176	0.009185 0.149609
## 1250	1.841985	0.017763	0.010984 0.135436
## 1251	5.019618	0.017486	0.012011 0.114203
## 1252	4.386582	0.018164	0.010798 0.093324
## 1253	4.554067	0.013318	0.010934 0.136602
## 1254	2.588790	0.012608	0.010933 0.130556
## 1255	1.001732	0.014377	0.010310 0.182191
## 1256	13.132600	0.019169	0.013038 0.109125
## 1257	14.615985	0.014855	0.011694 0.149500
## 1258	15.185952	0.017307	0.012066 0.115215
## 1259	2.271702	0.016158	0.011870 0.141623
## 1260	0.620578	0.016144	0.010968 0.157706
## 1261	2.578315	0.017302	0.011702 0.127899
## 1262	2.050282	0.016696	0.011447 0.147589
## 1263	3.653873	0.013607	0.009980 0.123268
## 1264	0.991246	0.016446	0.011225 0.150050

## 1265	0.857082	0.016939	0.011039 0.121056
## 1266	3.527570	0.016804	0.012365 0.134115
## 1267	14.488069	0.019716	0.013227 0.076750
## 1268	1.577145	0.016644	0.011250 0.128204
## 1269	15.871257	0.017111	0.006911 0.094090
## 1270	5.487939	0.019789	0.008918 0.091992
## 1271	5.898272	0.017709	0.006608 0.107692
## 1272	4.584960	0.014732	0.006495 0.111806
## 1273	4.623002	0.018645	0.008012 0.103906
## 1274	1.078385	0.016867	0.007406 0.116431
## 1275	7.368847	0.018308	0.008441 0.093634
## 1276	9.514413	0.016569	0.007800 0.095375
## 1277	14.517714	0.015908	0.006026 0.122965
## 1278	6.406063	0.016601	0.007678 0.109125
## 1279	9.821366	0.017242	0.007968 0.104500
## 1280	1.231257	0.017699	0.007313 0.113965
## 1281	2.238835	0.017389	0.006808 0.117054
## 1282	1.696170	0.016311	0.006135 0.130869
## 1283	4.912234	0.018740	0.006349 0.115284
## 1284	3.468969	0.017367	0.006019 0.114250
## 1285	0.700804	0.019363	0.011885 0.075171
## 1286	15.398763	0.016680	0.013907 0.072218
## 1287	15.033051	0.019902	0.007571 0.071010
## 1288	11.162248	0.016568	0.008554 0.059961
## 1289	15.605047	0.019882	0.006308 0.071023
## 1290	1.949993	0.016114	0.008583 0.113400
## 1291	37.539017	0.006418	0.007068 0.180750
## 1292	16.794470	0.016605	0.008334 0.073891
## 1293	14.916316	0.014399	0.008188 0.071250
## 1294	13.857122	0.014730	0.005990 0.086814
## 1295	7.985425	0.014862	0.008212 0.069000
## 1296	10.045959	0.013729	0.006916 0.064750
## 1297	27.743435	0.015088	0.007988 0.058375
## 1298	0.770498	0.020437	0.009624 0.043125
## 1299	14.665493	0.014660	0.011067 0.098958
## 1300	12.681583	0.019793	0.009221 0.116176
## 1301	13.075274	0.017910	0.009018 0.093250
## 1302	4.830934	0.018345	0.011300 0.069500
## 1303	12.407258	0.021878	0.008654 0.086584
## 1304	12.108435	0.023364	0.010042 0.068750
## 1305	12.838786	0.019332	0.009682 0.098884
## 1306	14.952847	0.020262	0.009337 0.078125
## 1307	16.987141	0.020979	0.009512 0.069336
## 1308	12.059354	0.019376	0.008748 0.086204
## 1309	8.183457	0.024026	0.009556 0.050605
## 1310	14.632190	0.019539	0.010733 0.080417
## 1311	9.606005	0.021390	0.009897 0.060000
## 1312	14.731500	0.017539	0.007833 0.111431
## 1313	14.634326	0.018108	0.009042 0.082875
## 1314	17.172581	0.018381	0.008904 0.116715
## 1315	9.033415	0.019439	0.009059 0.102056
## 1316	6.595937	0.021817	0.008086 0.095625
## 1317	16.185728	0.016895	0.008202 0.110570
## 1318	6.171484	0.009686	0.009467 0.091375

## 1319	13.067066	0.019251	0.008734 0.112000
## 1320	2.821638	0.013189	0.008659 0.149219
## 1321	9.545394	0.015387	0.008027 0.139241
## 1322	9.368752	0.011418	0.006750 0.150750
## 1323	13.337652	0.013904	0.006894 0.165625
## 1324	14.649800	0.016078	0.009273 0.133523
## 1325	7.236416	0.022154	0.010942 0.070156
## 1326	4.272676	0.024786	0.013035 0.082227
## 1327	11.626356	0.017572	0.008635 0.099566
## 1328	18.486326	0.022646	0.009498 0.091509
## 1329	12.682019	0.020935	0.008407 0.080046
## 1330	0.166295	0.019844	0.008330 0.072063
## 1331	16.146589	0.017164	0.007928 0.076401
## 1332	17.539345	0.022643	0.011464 0.097581
## 1333	1.749272	0.016447	0.008795 0.077740
## 1334	14.728119	0.000024	0.000011 0.051875
## 1335	3.227374	0.012941	0.011220 0.123020
## 1336	11.807644	0.016539	0.011910 0.101500
## 1337	4.028115	0.017553	0.010757 0.133248
## 1338	5.805583	0.016971	0.010479 0.130195
## 1339	2.721353	0.016191	0.011135 0.137887
## 1340	4.193367	0.016339	0.011238 0.137434
## 1341	6.303133	0.015797	0.011963 0.146195
## 1342	6.576344	0.014324	0.011856 0.135988
## 1343	12.391020	0.014732	0.011454 0.122763
## 1344	2.633488	0.013172	0.011171 0.165523
## 1345	2.939182	0.013956	0.012018 0.163843
## 1346	1.628671	0.014354	0.012352 0.161140
## 1347	7.174007	0.011030	0.011719 0.120989
## 1348	0.601924	0.000043	0.000016 0.042140
## 1349	3.467359	0.000439	0.001121 0.053201
## 1350	3.938718	0.011716	0.011560 0.101971
## 1351	0.447973	0.000392	0.002793 0.070867
## 1352	18.815241	0.000023	0.000010 0.062875
## 1353	18.554506	0.000023	0.000010 0.059500
## 1354	4.906681	0.013041	0.011365 0.063143
## 1355	3.808170	0.010558	0.007614 0.101122
## 1356	11.301973	0.017385	0.008970 0.097222
## 1357	12.815741	0.018818	0.007573 0.102832
## 1358	6.192950	0.011615	0.008349 0.076375
## 1359	11.046559	0.017711	0.010412 0.087558
## 1360	0.354586	0.018705	0.009108 0.119712
## 1361	1.162722	0.018555	0.009385 0.094588
## 1362	1.133471	0.019247	0.006946 0.092361
## 1363	1.163970	0.018643	0.008018 0.103688
## 1364	3.824185	0.019321	0.009973 0.102157
## 1365	7.211168	0.017130	0.010971 0.114832
## 1366	1.469404	0.017234	0.011418 0.085195
## 1367	0.292637	0.018016	0.012185 0.077423
## 1368	0.480149	0.016853	0.010797 0.102292
## 1369	10.117980	0.019535	0.009239 0.091100
## 1370	0.653084	0.015785	0.006661 0.103125
## 1371	1.011341	0.015138	0.006724 0.119028
## 1372	1.345637	0.016274	0.005335 0.109539

## 1373	38.683159	0.011638	0.009564 0.112608
## 1374	12.023640	0.008630	0.006647 0.026535
## 1375	6.461965	0.000206	0.000201 0.024625
## 1376	18.410881	0.016602	0.011362 0.109259
## 1377	7.418233	0.020148	0.015979 0.093171
## 1378	17.162800	0.018788	0.012879 0.086518
## 1379	10.647380	0.022066	0.008215 0.100309
## 1380	20.449947	0.017305	0.009986 0.078625
## 1381	3.985909	0.019550	0.010135 0.101178
## 1382	7.657927	0.019559	0.008697 0.095181
## 1383	0.362238	0.018533	0.008854 0.117139
## 1384	1.688289	0.019040	0.010011 0.104543
## 1385	1.036468	0.018999	0.008500 0.090575
## 1386	1.023549	0.019740	0.007265 0.095562
## 1387	3.839703	0.018590	0.010093 0.102185
## 1388	7.157528	0.017096	0.010379 0.114111
## 1389	1.602333	0.018357	0.011855 0.094844
## 1390	1.582981	0.016238	0.011032 0.076020
## 1391	1.044622	0.016333	0.010849 0.100453
## 1392	6.751918	0.021579	0.010726 0.098741
## 1393	14.770856	0.027360	0.014353 0.069750
## 1394	4.640388	0.011796	0.008961 0.127876
## 1395	6.970819	0.013183	0.009637 0.146177
## 1396	11.600116	0.004949	0.004951 0.122250
## 1397	3.146236	0.014995	0.011655 0.106887
## 1398	0.817581	0.017701	0.011370 0.120829
## 1399	11.607771	0.017212	0.011555 0.114834
## 1400	1.353656	0.013099	0.011323 0.139422
## 1401	2.652498	0.014473	0.011837 0.153839
## 1402	7.781032	0.014760	0.010667 0.131034
## 1403	1.695238	0.016602	0.010580 0.118066
## 1404	2.783701	0.016642	0.010648 0.121033
## 1405	10.252286	0.013388	0.010399 0.081875
## 1406	3.233082	0.015762	0.011643 0.120474
## 1407	0.838360	0.014697	0.011198 0.210917
## 1408	16.144087	0.011339	0.009676 0.200750
## 1409	3.151727	0.014778	0.010500 0.227507
## 1410	3.044604	0.018268	0.011154 0.140792
## 1411	2.952371	0.014653	0.010526 0.162676
## 1412	9.613451	0.015519	0.009497 0.152694
## 1413	4.433800	0.015851	0.010400 0.130319
## 1414	0.777073	0.015149	0.010824 0.123083
## 1415	1.574422	0.014557	0.010191 0.124886
## 1416	0.624072	0.016095	0.010689 0.113399
## 1417	0.508728	0.015616	0.009486 0.122755
## 1418	1.207564	0.016276	0.010286 0.131588
## 1419	4.763585	0.017594	0.010585 0.103766
## 1420	0.843997	0.019030	0.010653 0.103265
## 1421	5.852484	0.018591	0.010819 0.109008
## 1422	14.235589	0.016230	0.011685 0.098375
## 1423	6.894335	0.017622	0.012759 0.086174
## 1424	19.979893	0.013693	0.012601 0.091000
## 1425	18.050125	0.011227	0.010318 0.103625
## 1426	13.215601	0.007999	0.006873 0.092750

## 1427	15.808563	0.015658	0.006280 0.129141
## 1428	18.680996	0.005554	0.006255 0.119231
## 1429	18.581972	0.011364	0.004792 0.151000
## 1430	10.932415	0.021570	0.009129 0.080718
## 1431	1.335739	0.020786	0.011357 0.074539
## 1432	0.591122	0.023605	0.010899 0.082974
## 1433	1.315874	0.025556	0.010645 0.068958
## 1434	1.236667	0.017501	0.007004 0.108580
## 1435	2.847692	0.018473	0.008441 0.092672
## 1436	4.177566	0.020577	0.009343 0.095361
## 1437	7.708192	0.019462	0.009572 0.084125
## 1438	0.442522	0.021571	0.009074 0.090661
## 1439	7.434686	0.015300	0.008399 0.106125
## 1440	13.540775	0.020104	0.010167 0.107123
## 1441	4.955118	0.018864	0.006795 0.116908
## 1442	1.397843	0.015447	0.009507 0.107315
## 1443	4.372041	0.016183	0.008481 0.113826
## 1444	3.935426	0.019577	0.009461 0.108786
## 1445	2.870429	0.018725	0.008570 0.111268
## 1446	1.122656	0.020442	0.008429 0.096791
## 1447	3.112090	0.021808	0.007355 0.088863
## 1448	5.228426	0.019610	0.007936 0.091875
## 1449	1.896665	0.018257	0.009134 0.115327
## 1450	4.633539	0.018412	0.007149 0.112529
## 1451	1.150348	0.020633	0.007791 0.107120
## 1452	6.594350	0.017495	0.010273 0.079375
## 1453	37.419735	0.014435	0.007605 0.102875
## 1454	12.339059	0.017146	0.005669 0.147049
## 1455	8.425863	0.022879	0.010638 0.100875
## 1456	19.124771	0.023285	0.011054 0.071759
## 1457	7.496027	0.016919	0.009241 0.125116
## 1458	17.343103	0.021816	0.011508 0.043482
## 1459	10.674369	0.017718	0.012206 0.102585
## 1460	20.670946	0.019084	0.009575 0.094625
## 1461	4.094817	0.020659	0.008696 0.095380
## 1462	19.998848	0.017524	0.010855 0.109743
## 1463	37.303661	0.019375	0.011064 0.082996
## 1464	21.886675	0.019619	0.009385 0.097168
## 1465	14.525690	0.014916	0.008499 0.073750
## 1466	2.196071	0.017454	0.008671 0.091295
## 1467	12.185492	0.011439	0.010415 0.084750
## 1468	13.821274	0.015329	0.009230 0.123997
## 1469	15.468061	0.021926	0.011568 0.098738
## 1470	7.063171	0.020161	0.010046 0.072321
## 1471	17.784189	0.021601	0.009249 0.083125
## 1472	2.830826	0.020276	0.009844 0.064497
## 1473	8.534357	0.020018	0.008423 0.084053
## 1474	8.372289	0.016851	0.011259 0.113759
## 1475	8.509782	0.015162	0.014091 0.100048
## 1476	3.723443	0.020446	0.009390 0.068359
## 1477	2.142154	0.017958	0.010625 0.103664
## 1478	2.067914	0.013233	0.014315 0.053657
## 1479	1.691615	0.022694	0.011161 0.085140
## 1480	1.069140	0.019014	0.009413 0.083734

## 1481	6.720901	0.018145	0.010019 0.109600
## 1482	8.077474	0.017994	0.009624 0.093265
## 1483	7.328753	0.018665	0.009924 0.096842
## 1484	12.768208	0.020088	0.010115 0.090283
## 1485	12.660205	0.018918	0.009274 0.087500
## 1486	0.775250	0.016931	0.007091 0.097151
## 1487	0.995985	0.014495	0.006873 0.119538
## 1488	1.349585	0.016402	0.005499 0.105912
## 1489	15.611651	0.015609	0.006295 0.104712
## 1490	15.141894	0.013756	0.007144 0.098125
## 1491	8.798806	0.012984	0.007609 0.128423
## 1492	4.034281	0.008466	0.014289 0.054181
## 1493	4.972332	0.020471	0.010168 0.106597
## 1494	6.082819	0.014737	0.010357 0.137929
## 1495	2.929717	0.017020	0.010808 0.136903
## 1496	5.379025	0.016264	0.011433 0.128485
## 1497	3.813672	0.013977	0.011032 0.135829
## 1498	5.102211	0.016221	0.011249 0.118325
## 1499	6.009854	0.016417	0.010760 0.138827
## 1500	2.478010	0.017346	0.011061 0.129027
## 1501	3.104156	0.015899	0.011193 0.123363
## 1502	4.461546	0.018042	0.011687 0.124013
## 1503	0.888874	0.016242	0.011377 0.133778
## 1504	2.438245	0.015431	0.011180 0.139191
## 1505	3.371365	0.015753	0.010571 0.112866
## 1506	1.148051	0.014013	0.010617 0.121140
## 1507	1.596209	0.017452	0.012002 0.105240
## 1508	0.726680	0.017937	0.012164 0.114619
## 1509	1.202793	0.018026	0.012888 0.103739
## 1510	0.929479	0.020351	0.011415 0.093851
## 1511	1.854871	0.017944	0.012711 0.097075
## 1512	1.106611	0.019467	0.013178 0.096779
## 1513	3.011882	0.018194	0.012724 0.098060
## 1514	1.150375	0.015875	0.011403 0.097833
## 1515	1.670221	0.017169	0.012389 0.109781
## 1516	1.628444	0.013795	0.013541 0.097054
## 1517	1.479108	0.017101	0.012921 0.104779
## 1518	1.963095	0.016455	0.013561 0.103971
## 1519	1.302586	0.018048	0.013919 0.105802
## 1520	1.241544	0.018951	0.012119 0.106140
## 1521	1.910324	0.015831	0.012964 0.101727
## 1522	3.364669	0.019030	0.012572 0.108333
## 1523	1.402655	0.014146	0.010444 0.123868
## 1524	7.440303	0.020145	0.011719 0.107072
## 1525	1.700588	0.017080	0.010777 0.116745
## 1526	1.780911	0.018196	0.012101 0.103825
## 1527	0.844276	0.017346	0.013626 0.102915
## 1528	0.921570	0.017812	0.012540 0.099829
## 1529	1.551431	0.017258	0.013613 0.096735
## 1530	2.370416	0.012220	0.012589 0.083482
## 1531	6.135973	0.016447	0.013028 0.108746
## 1532	3.397512	0.015331	0.011644 0.123120
## 1533	0.726918	0.017595	0.010828 0.105835
## 1534	0.784002	0.017423	0.011558 0.102128

## 1535	1.424281	0.016783	0.011543 0.094828
## 1536	0.594462	0.017257	0.011580 0.095323
## 1537	1.212814	0.015984	0.011437 0.099157
## 1538	1.435903	0.016483	0.011496 0.094598
## 1539	2.486382	0.016619	0.011617 0.096079
## 1540	4.233402	0.017174	0.012140 0.085102
## 1541	5.916290	0.019059	0.011180 0.106978
## 1542	2.620107	0.017607	0.011015 0.102797
## 1543	10.703033	0.008429	0.007143 0.069952
## 1544	19.821474	0.008388	0.004207 0.116125
## 1545	18.238049	0.016857	0.012070 0.091125
## 1546	12.055400	0.014837	0.011271 0.108000
## 1547	4.501246	0.015881	0.011888 0.119231
## 1548	7.456909	0.012540	0.010030 0.133605
## 1549	11.527493	0.014352	0.008338 0.148625
## 1550	3.049242	0.016047	0.010224 0.114104
## 1551	11.538447	0.008075	0.010076 0.118625
## 1552	14.570401	0.012308	0.009990 0.137071
## 1553	2.186134	0.013589	0.010457 0.130423
## 1554	24.352184	0.012509	0.013930 0.097125
## 1555	5.558993	0.010963	0.012217 0.097452
## 1556	3.326511	0.011179	0.012539 0.089890
## 1557	3.881491	0.014573	0.008751 0.125363
## 1558	1.826343	0.016472	0.009385 0.213787
## 1559	4.035002	0.015304	0.009396 0.214893
## 1560	4.842245	0.014428	0.009473 0.248443
## 1561	7.405163	0.015423	0.010303 0.119350
## 1562	11.768710	0.006328	0.006719 0.101750
## 1563	1.656046	0.014141	0.011316 0.121204
## 1564	3.260044	0.012238	0.012056 0.115280
## 1565	11.548977	0.014611	0.012487 0.118125
## 1566	1.969364	0.012973	0.011266 0.107684
## 1567	2.242792	0.014881	0.011035 0.142463
## 1568	0.756988	0.014736	0.011863 0.120785
## 1569	3.063458	0.012565	0.012321 0.111591
## 1570	1.662981	0.012632	0.011663 0.125625
## 1571	2.117695	0.016809	0.011998 0.125781
## 1572	3.051333	0.012573	0.011814 0.128750
## 1573	1.730871	0.016528	0.012192 0.107639
## 1574	1.976473	0.017002	0.011211 0.123023
## 1575	8.472830	0.010835	0.012051 0.111690
## 1576	2.080683	0.015608	0.012077 0.128629
## 1577	4.365775	0.014140	0.013579 0.114100
## 1578	2.224310	0.013719	0.012853 0.130409
## 1579	2.811280	0.012837	0.012427 0.125335
## 1580	16.207172	0.011861	0.011782 0.093625
## 1581	1.813906	0.015934	0.012907 0.114290
## 1582	15.582238	0.016395	0.014050 0.097250
## 1583	3.347653	0.013281	0.011307 0.096875
## 1584	2.009546	0.013316	0.011113 0.174381
## 1585	2.466034	0.017953	0.011256 0.143551
## 1586	4.599999	0.011073	0.010950 0.223116
## 1587	3.010104	0.012968	0.011920 0.150399
## 1588	6.225001	0.013907	0.012484 0.141060

## 1589	2.683532	0.014021	0.012620 0.108652
## 1590	10.790880	0.014620	0.013064 0.120375
## 1591	2.061918	0.013598	0.012248 0.115274
## 1592	3.044021	0.013112	0.012767 0.150931
## 1593	4.984441	0.013795	0.013197 0.150126
## 1594	2.431804	0.012568	0.013025 0.134345
## 1595	1.839547	0.009888	0.013790 0.089503
## 1596	2.984826	0.014146	0.012963 0.111158
## 1597	1.228208	0.006318	0.009405 0.102790
## 1598	0.673717	0.017423	0.010549 0.099527
## 1599	10.108686	0.008314	0.010621 0.109375
## 1600	13.825325	0.019018	0.012942 0.107849
## 1601	3.918464	0.013803	0.012919 0.133996
## 1602	2.816785	0.014264	0.010611 0.152375
## 1603	1.075496	0.018090	0.009711 0.115476
## 1604	1.577411	0.015649	0.011700 0.133224
## 1605	3.892490	0.016295	0.012985 0.123681
## 1606	1.149132	0.012995	0.012536 0.123820
## 1607	1.859328	0.017127	0.011038 0.133792
## 1608	0.865037	0.014715	0.010789 0.155426
## 1609	2.559713	0.015268	0.011167 0.141278
## 1610	1.338188	0.014652	0.012678 0.118211
## 1611	1.465096	0.015623	0.013554 0.128038
## 1612	1.712684	0.013344	0.009284 0.152693
## 1613	1.250936	0.012982	0.010479 0.141566
## 1614	2.340320	0.015747	0.011435 0.141085
## 1615	1.169939	0.016545	0.011537 0.139128
## 1616	0.973026	0.016842	0.010554 0.137993
## 1617	1.168169	0.015551	0.011871 0.158562
## 1618	1.824142	0.013547	0.012351 0.175751
## 1619	3.740346	0.016632	0.012165 0.148570
## 1620	1.337890	0.013341	0.013149 0.150452
## 1621	1.247860	0.013028	0.012179 0.118196
## 1622	1.533690	0.012880	0.010155 0.151259
## 1623	4.073888	0.011303	0.008479 0.133809
## 1624	1.140077	0.015095	0.009714 0.133896
## 1625	2.980303	0.014111	0.011089 0.123199
## 1626	0.844191	0.015102	0.011437 0.157744
## 1627	1.885366	0.014997	0.012314 0.129503
## 1628	4.209989	0.015777	0.012079 0.115240
## 1629	3.319421	0.016199	0.011851 0.125018
## 1630	3.201699	0.013652	0.012695 0.132549
## 1631	2.036712	0.015939	0.011343 0.124925
## 1632	2.079229	0.014737	0.010432 0.124775
## 1633	1.085584	0.019118	0.010170 0.113621
## 1634	2.323062	0.015445	0.010833 0.123635
## 1635	5.937469	0.015810	0.012576 0.118913
## 1636	2.745376	0.014911	0.011801 0.135733
## 1637	3.178877	0.012936	0.012696 0.127478
## 1638	1.411635	0.010695	0.010282 0.139019
## 1639	3.709299	0.015092	0.007857 0.144643
## 1640	4.579519	0.015871	0.012285 0.128724
## 1641	0.814215	0.014368	0.011581 0.160469
## 1642	1.422480	0.015090	0.011688 0.131936

## 1643	5.531583	0.010424	0.011411 0.129613
## 1644	2.483368	0.015272	0.011119 0.129231
## 1645	1.405876	0.016278	0.011745 0.120949
## 1646	2.871026	0.015690	0.011209 0.133771
## 1647	1.428083	0.015967	0.012109 0.119727
## 1648	3.298893	0.015181	0.012177 0.130732
## 1649	2.654119	0.012856	0.009200 0.111339
## 1650	2.471988	0.014859	0.011584 0.136776
## 1651	0.987884	0.015891	0.012820 0.121409
## 1652	3.126177	0.013932	0.010258 0.126787
## 1653	2.659391	0.012839	0.012104 0.128354
## 1654	15.371069	0.011105	0.008499 0.067625
## 1655	1.860402	0.017862	0.012642 0.105930
## 1656	15.347709	0.008170	0.010599 0.114500
## 1657	3.496415	0.015897	0.012952 0.115778
## 1658	1.789345	0.013353	0.011889 0.106098
## 1659	3.982362	0.016441	0.012476 0.109726
## 1660	4.375097	0.013666	0.012259 0.199799
## 1661	1.594766	0.014961	0.010827 0.158003
## 1662	2.012925	0.013934	0.012758 0.118325
## 1663	1.714981	0.014574	0.012237 0.123321
## 1664	2.303440	0.012061	0.012094 0.125230
## 1665	2.353175	0.015095	0.011336 0.120008
## 1666	4.277558	0.016396	0.010514 0.133821
## 1667	1.844869	0.013696	0.011443 0.123113
## 1668	11.102563	0.011413	0.010206 0.111625
## 1669	3.548452	0.013197	0.011042 0.128685
## 1670	1.132484	0.013225	0.011709 0.113212
## 1671	2.047828	0.015459	0.011273 0.127469
## 1672	2.487372	0.014818	0.010674 0.127443
## 1673	3.167245	0.014665	0.011801 0.113699
## 1674	0.661589	0.014499	0.012511 0.107468
## 1675	3.595529	0.012897	0.012603 0.110531
## 1676	1.131561	0.015024	0.010812 0.103921
## 1677	2.049210	0.014740	0.011407 0.086047
## 1678	1.697822	0.013703	0.011510 0.107861
## 1679	0.592728	0.016049	0.010154 0.114310
## 1680	0.949727	0.015676	0.010454 0.103436
## 1681	1.478398	0.017747	0.011730 0.117871
## 1682	1.057960	0.014000	0.009934 0.122705
## 1683	1.430125	0.013664	0.010596 0.130384
## 1684	1.277193	0.014053	0.010892 0.121630
## 1685	1.007066	0.014252	0.012847 0.129346
## 1686	2.229121	0.015136	0.012526 0.124876
## 1687	2.584226	0.015413	0.012313 0.128603
## 1688	5.272575	0.016170	0.011330 0.119072
## 1689	5.915412	0.015858	0.011274 0.103357
## 1690	13.181586	0.017951	0.010597 0.104121
## 1691	3.265603	0.012942	0.012614 0.113348
## 1692	0.807769	0.014870	0.010364 0.127191
## 1693	0.857416	0.014640	0.009447 0.134809
## 1694	4.831708	0.019487	0.009672 0.109433
## 1695	2.367200	0.015973	0.010183 0.096390
## 1696	1.295545	0.011326	0.011706 0.110892

## 1697	18.061996	0.015550	0.016407 0.053875
## 1698	11.412853	0.014814	0.007457 0.268463
## 1699	1.702436	0.009413	0.003684 0.234868
## 1700	24.530289	0.013923	0.007219 0.104125
## 1701	5.527162	0.020443	0.009564 0.128558
## 1702	3.461379	0.014242	0.008945 0.112411
## 1703	2.978126	0.016738	0.008804 0.117514
## 1704	2.411399	0.016579	0.009691 0.129044
## 1705	3.763768	0.016081	0.010487 0.132784
## 1706	5.773702	0.017294	0.010528 0.105772
## 1707	2.470631	0.014405	0.009435 0.109417
## 1708	2.161885	0.015158	0.011550 0.116638
## 1709	1.995626	0.013276	0.010409 0.104257
## 1710	2.823665	0.014292	0.010154 0.119788
## 1711	5.070767	0.013404	0.011280 0.105976
## 1712	0.337577	0.018102	0.009844 0.114164
## 1713	1.126374	0.015543	0.011695 0.108151
## 1714	0.591916	0.012566	0.010321 0.106622
## 1715	1.193949	0.014282	0.010983 0.101376
## 1716	0.493564	0.015313	0.011759 0.105579
## 1717	1.958645	0.012007	0.011455 0.114780
## 1718	2.972739	0.015639	0.010517 0.113845
## 1719	2.974039	0.015906	0.011057 0.120670
## 1720	1.469100	0.019457	0.010728 0.113539
## 1721	2.573466	0.019067	0.010527 0.106069
## 1722	2.128991	0.019169	0.011994 0.106259
## 1723	4.359471	0.017776	0.013033 0.108805
## 1724	1.440596	0.021784	0.010203 0.095875
## 1725	12.649221	0.016620	0.009143 0.086227
## 1726	2.604537	0.010531	0.008883 0.068655
## 1727	3.800834	0.019507	0.015047 0.064062
## 1728	3.721789	0.016500	0.008732 0.104625
## 1729	13.798277	0.013887	0.008292 0.079875
## 1730	2.163982	0.019486	0.009192 0.103351
## 1731	12.759144	0.010272	0.005155 0.089896
## 1732	5.997989	0.013449	0.012510 0.110570
## 1733	24.757528	0.017103	0.008234 0.123750
## 1734	6.571348	0.019177	0.011150 0.097236
## 1735	12.859807	0.019871	0.008808 0.117077
## 1736	8.900903	0.016536	0.009553 0.117021
## 1737	19.511890	0.015639	0.010640 0.115960
## 1738	16.551018	0.016788	0.009083 0.137000
## 1739	9.258967	0.018290	0.009073 0.122987
## 1740	10.889708	0.018407	0.009494 0.069935
## 1741	13.307614	0.014986	0.008015 0.070750
## 1742	15.238514	0.019250	0.008667 0.092886
## 1743	0.473390	0.020006	0.009040 0.090794
## 1744	4.871807	0.017335	0.009148 0.081808
## 1745	3.060486	0.019494	0.010942 0.074190
## 1746	2.522287	0.015624	0.010365 0.066875
## 1747	2.535564	0.018748	0.007580 0.085124
## 1748	1.236469	0.018938	0.009179 0.077552
## 1749	0.493073	0.019995	0.010623 0.092992
## 1750	5.418656	0.017068	0.010326 0.089250

## 1751	8.212683	0.016717	0.010029 0.086375
## 1752	17.929104	0.015096	0.009898 0.074375
## 1753	4.791030	0.017798	0.009510 0.098454
## 1754	13.406525	0.019082	0.008723 0.083062
## 1755	15.178282	0.019609	0.009882 0.072182
## 1756	12.435408	0.019104	0.011541 0.089970
## 1757	10.174752	0.017378	0.009391 0.084821
## 1758	1.553532	0.014246	0.010540 0.067448
## 1759	7.821629	0.016430	0.009572 0.129500
## 1760	7.025128	0.012708	0.007634 0.157974
## 1761	1.126379	0.016338	0.008152 0.127670
## 1762	2.595509	0.012699	0.008276 0.081771
## 1763	14.880556	0.018125	0.008152 0.099375
## 1764	14.474490	0.016641	0.008335 0.105485
## 1765	6.537169	0.016152	0.009276 0.083705
## 1766	2.740534	0.017608	0.008676 0.090313
## 1767	7.834086	0.014116	0.006395 0.102764
## 1768	7.096153	0.016567	0.007894 0.073996
## 1769	6.211135	0.014335	0.006655 0.095486
## 1770	5.397731	0.016188	0.008313 0.087380
## 1771	4.880854	0.012137	0.005818 0.114271
## 1772	4.896595	0.014487	0.007666 0.071987
## 1773	8.301970	0.016428	0.008362 0.075750
## 1774	7.995587	0.015852	0.007554 0.085826
## 1775	7.192387	0.015744	0.008037 0.073922
## 1776	6.220913	0.014437	0.007524 0.084750
## 1777	6.430147	0.014446	0.006681 0.090878
## 1778	0.118996	0.016461	0.005891 0.120312
## 1779	5.488308	0.019224	0.008858 0.092298
## 1780	0.977328	0.019019	0.009080 0.118377
## 1781	0.713617	0.018981	0.009668 0.100879
## 1782	1.278915	0.019754	0.008265 0.093849
## 1783	3.209350	0.019352	0.007845 0.096535
## 1784	3.824934	0.019635	0.010184 0.102738
## 1785	7.188125	0.017158	0.010831 0.112427
## 1786	4.941617	0.017331	0.011693 0.089043
## 1787	0.289790	0.019240	0.012292 0.076888
## 1788	3.590106	0.016121	0.010487 0.096520
## 1789	20.817625	0.018012	0.011786 0.088125
## 1790	8.963567	0.027384	0.012338 0.088920
## 1791	4.012731	0.018608	0.008852 0.094231
## 1792	2.935222	0.003558	0.011047 0.069875
## 1793	1.452100	0.015588	0.010490 0.111343
## 1794	2.181961	0.013881	0.010749 0.120186
## 1795	2.491185	0.014354	0.011466 0.126372
## 1796	1.705388	0.013542	0.011360 0.137665
## 1797	3.990127	0.015209	0.011595 0.126659
## 1798	0.923151	0.012155	0.010737 0.125923
## 1799	0.854984	0.014159	0.010600 0.104939
## 1800	2.229605	0.016717	0.010166 0.107321
## 1801	0.857935	0.010531	0.009734 0.123669
## 1802	1.679113	0.014460	0.012027 0.120192
## 1803	2.387799	0.009277	0.009657 0.109867
## 1804	7.471616	0.015368	0.010867 0.116250

## 1805	1.403118	0.014715	0.011546 0.116727
## 1806	0.505268	0.015265	0.011717 0.108090
## 1807	1.188523	0.012112	0.009889 0.107713
## 1808	0.373411	0.012611	0.011428 0.114560
## 1809	0.992586	0.011188	0.011067 0.109769
## 1810	1.403718	0.017623	0.011974 0.102586
## 1811	1.836808	0.017778	0.012437 0.100622
## 1812	1.426378	0.018338	0.012315 0.108779
## 1813	1.294670	0.017884	0.011209 0.119394
## 1814	0.429512	0.017065	0.011977 0.106778
## 1815	0.732892	0.016460	0.012070 0.124252
## 1816	1.822160	0.013279	0.013357 0.105459
## 1817	0.817193	0.017071	0.012377 0.115967
## 1818	0.900115	0.017851	0.011994 0.104727
## 1819	2.925101	0.018663	0.011927 0.122958
## 1820	7.159915	0.017954	0.012792 0.117080
## 1821	1.160914	0.017618	0.011699 0.123917
## 1822	1.200619	0.015659	0.011768 0.120777
## 1823	1.101972	0.016826	0.010778 0.114370
## 1824	11.688941	0.018139	0.014669 0.109625
## 1825	5.487873	0.018572	0.010487 0.103801
## 1826	3.947102	0.018836	0.010652 0.096995
## 1827	3.938984	0.023707	0.008863 0.105263
## 1828	6.236777	0.018804	0.007892 0.096191
## 1829	6.831196	0.020728	0.009965 0.069875
## 1830	13.041645	0.017658	0.008177 0.077875
## 1831	2.801270	0.010405	0.005216 0.036932
## 1832	9.621228	0.017790	0.011609 0.116653
## 1833	8.321895	0.010219	0.007803 0.140125
## 1834	13.427411	0.014171	0.006378 0.130488
## 1835	14.911774	0.014749	0.009988 0.152060
## 1836	7.493060	0.017010	0.009073 0.141797
## 1837	4.278014	0.012236	0.007379 0.167285
## 1838	11.382336	0.017727	0.011379 0.119531
## 1839	18.910070	0.023420	0.009635 0.082459
## 1840	13.388982	0.022360	0.009055 0.090804
## 1841	1.877878	0.020343	0.009050 0.077108
## 1842	18.356447	0.017369	0.011105 0.074625
## 1843	12.388247	0.018268	0.008873 0.073750
## 1844	3.482667	0.019171	0.008942 0.065465
## 1845	11.076152	0.017174	0.007895 0.078480
## 1846	16.332884	0.017487	0.011067 0.112926
## 1847	20.592644	0.021630	0.009378 0.080757
## 1848	36.969837	0.016396	0.008822 0.086397
## 1849	21.865751	0.016727	0.010040 0.098047
## 1850	14.908037	0.023523	0.012446 0.056250
## 1851	2.205954	0.011105	0.009526 0.094866
## 1852	12.548701	0.010636	0.007579 0.108375
## 1853	14.044257	0.018133	0.010891 0.118557
## 1854	15.504546	0.022050	0.009523 0.079567
## 1855	6.811718	0.021683	0.009787 0.077902
## 1856	17.805653	0.020321	0.009610 0.070852
## 1857	2.825920	0.020090	0.009127 0.062587
## 1858	8.520253	0.018682	0.009352 0.092463

## 1859	8.634436	0.016997	0.011901 0.104047
## 1860	8.543359	0.018623	0.010915 0.090214
## 1861	1.096193	0.021052	0.010386 0.084016
## 1862	2.372267	0.018243	0.009766 0.090951
## 1863	5.011526	0.018633	0.008676 0.105824
## 1864	5.580300	0.017138	0.008285 0.104915
## 1865	13.775373	0.018166	0.010216 0.110188
## 1866	4.585117	0.021519	0.006845 0.119102
## 1867	3.094343	0.014567	0.009146 0.108681
## 1868	2.590777	0.016192	0.009057 0.109754
## 1869	2.762552	0.018473	0.008657 0.109743
## 1870	2.918398	0.019855	0.009406 0.115321
## 1871	0.535735	0.019622	0.008491 0.098267
## 1872	3.882200	0.022009	0.007499 0.090987
## 1873	5.062477	0.019180	0.007663 0.085997
## 1874	4.416484	0.019115	0.009073 0.116860
## 1875	4.572619	0.018449	0.007341 0.112146
## 1876	2.473207	0.020808	0.007493 0.102985
## 1877	10.905625	0.013318	0.008355 0.106125
## 1878	21.774632	0.015971	0.009245 0.086875
## 1879	11.065042	0.020218	0.006805 0.131875
## 1880	2.474978	0.017905	0.010557 0.105210
## 1881	2.226982	0.015774	0.011424 0.104143
## 1882	2.242612	0.015502	0.010577 0.083461
## 1883	3.186559	0.019131	0.009121 0.086117
## 1884	1.713640	0.019855	0.009244 0.082248
## 1885	1.888809	0.020199	0.008300 0.098431
## 1886	5.420172	0.020174	0.009089 0.096540
## 1887	6.412615	0.020419	0.007734 0.094135
## 1888	4.797466	0.018452	0.008966 0.092187
## 1889	2.839766	0.018667	0.009225 0.092005
## 1890	4.174423	0.020208	0.010275 0.086490
## 1891	4.137206	0.017319	0.008918 0.087711
## 1892	4.416790	0.016915	0.008946 0.085685
## 1893	1.885767	0.019287	0.009844 0.084093
## 1894	4.925994	0.018816	0.010351 0.089852
## 1895	2.278612	0.019566	0.008268 0.094023
## 1896	3.864662	0.019574	0.008916 0.078768
## 1897	2.169502	0.013118	0.010222 0.093990
## 1898	1.014803	0.016032	0.012074 0.102984
## 1899	0.986783	0.018983	0.011259 0.102315
## 1900	1.618376	0.018320	0.011617 0.101020
## 1901	0.890117	0.019027	0.011801 0.105273
## 1902	0.871745	0.017355	0.013000 0.106900
## 1903	1.866394	0.018272	0.012330 0.106892
## 1904	1.544452	0.018468	0.011295 0.097268
## 1905	2.441422	0.016479	0.011431 0.117696
## 1906	1.872769	0.019538	0.010389 0.110820
## 1907	2.672328	0.018154	0.009653 0.104239
## 1908	14.217928	0.018656	0.010076 0.097509
## 1909	17.186476	0.016245	0.009607 0.081354
## 1910	19.965561	0.025437	0.012268 0.079353
## 1911	18.837219	0.021240	0.009136 0.088327
## 1912	17.449265	0.018543	0.007419 0.103348

## 1913	19.302616	0.007663	0.009215 0.067756
## 1914	9.124212	0.023901	0.014893 0.081000
## 1915	5.992237	0.021284	0.010999 0.099500
## 1916	17.761093	0.019397	0.010914 0.108000
## 1917	3.567475	0.018081	0.007563 0.142188
## 1918	22.119383	0.016304	0.008250 0.138500
## 1919	22.452200	0.017786	0.007943 0.129040
## 1920	12.842668	0.016478	0.008991 0.097750
## 1921	8.241471	0.021070	0.011080 0.099399
## 1922	23.906668	0.013213	0.007658 0.119754
## 1923	14.193723	0.016454	0.005915 0.151197
## 1924	23.324144	0.016967	0.009060 0.124566
## 1925	21.268982	0.013433	0.008817 0.096250
## 1926	18.380470	0.018021	0.010833 0.110500
## 1927	5.253752	0.019605	0.009254 0.124051
## 1928	18.348579	0.018108	0.009007 0.116667
## 1929	21.902349	0.017729	0.011077 0.115441
## 1930	5.055618	0.018133	0.011255 0.125363
## 1931	1.988853	0.014996	0.010786 0.117500
## 1932	19.003773	0.015649	0.008740 0.136058
## 1933	7.739457	0.015668	0.008950 0.104861
## 1934	17.576853	0.018660	0.011748 0.083929
## 1935	10.893443	0.016181	0.011455 0.099884
## 1936	20.664249	0.014717	0.012463 0.088875
## 1937	4.234290	0.019561	0.010306 0.100460
## 1938	14.182190	0.019828	0.010836 0.078250
## 1939	15.615949	0.019151	0.009782 0.087875
## 1940	17.298622	0.016510	0.009762 0.081375
## 1941	0.975038	0.019490	0.009755 0.103511
## 1942	6.319151	0.018048	0.008621 0.092006
## 1943	1.084962	0.016928	0.008250 0.104775
## 1944	3.428602	0.014272	0.007436 0.116815
## 1945	9.370517	0.017684	0.008357 0.105054
## 1946	7.493227	0.013440	0.008948 0.098992
## 1947	11.395544	0.014733	0.007816 0.110682
## 1948	4.339633	0.018386	0.008775 0.120784
## 1949	9.902170	0.012950	0.008130 0.114250
## 1950	2.025922	0.017309	0.007693 0.110358
## 1951	1.131660	0.018354	0.008188 0.094528
## 1952	1.032602	0.015428	0.006739 0.104059
## 1953	0.833121	0.015972	0.005882 0.114467
## 1954	33.022465	0.014360	0.007362 0.081500
## 1955	17.211597	0.015200	0.006743 0.093229
## 1956	14.607039	0.013456	0.007139 0.095625
## 1957	13.814542	0.015154	0.006614 0.097713
## 1958	5.638391	0.013300	0.007433 0.106750
## 1959	8.398302	0.012123	0.008316 0.129758
## 1960	23.085049	0.011534	0.006027 0.025674
## 1961	10.912448	0.014536	0.010601 0.073922
## 1962	1.622576	0.017370	0.008200 0.078328
## 1963	3.694137	0.017203	0.009095 0.115052
## 1964	3.112912	0.020612	0.007919 0.085062
## 1965	3.795348	0.020186	0.006733 0.088878
## 1966	10.894807	0.017861	0.006369 0.098566

## 1967	3.784655	0.016264	0.011587 0.083686
## 1968	15.871023	0.019717	0.010806 0.081125
## 1969	10.424782	0.020429	0.010070 0.104492
## 1970	7.997689	0.019725	0.008520 0.088083
## 1971	4.774462	0.017582	0.009518 0.084625
## 1972	7.316128	0.016285	0.007066 0.081787
## 1973	6.735885	0.016677	0.008954 0.110261
## 1974	2.383288	0.014083	0.011996 0.133366
## 1975	8.553545	0.014406	0.012752 0.132403
## 1976	16.461248	0.009922	0.011613 0.117000
## 1977	1.699285	0.008720	0.011107 0.146875
## 1978	3.114428	0.016870	0.010960 0.132158
## 1979	2.011225	0.014183	0.011997 0.136267
## 1980	1.553125	0.011526	0.012311 0.122119
## 1981	6.586545	0.012546	0.012076 0.110508
## 1982	10.844897	0.015280	0.012435 0.089250
## 1983	7.572150	0.013477	0.011972 0.105423
## 1984	1.430009	0.016690	0.012329 0.117721
## 1985	2.509043	0.016349	0.012720 0.110553
## 1986	2.262226	0.016690	0.011922 0.110732
## 1987	0.820864	0.016195	0.012958 0.115262
## 1988	1.146083	0.016174	0.012585 0.116197
## 1989	3.454407	0.016436	0.012050 0.107555
## 1990	1.755950	0.016794	0.011564 0.123629
## 1991	5.359293	0.011323	0.010016 0.113517
## 1992	3.028190	0.017610	0.012756 0.130258
## 1993	2.377734	0.014421	0.011696 0.118685
## 1994	2.663047	0.016144	0.012146 0.118083
## 1995	4.269246	0.016067	0.012096 0.115239
## 1996	9.287879	0.016909	0.014261 0.100670
## 1997	3.281510	0.011529	0.011225 0.103602
## 1998	5.727442	0.016959	0.011345 0.101461
## 1999	11.849014	0.017029	0.012278 0.112750
## 2000	7.471920	0.013452	0.011869 0.130163
## 2001	5.435044	0.014048	0.012228 0.155029
## 2002	8.066430	0.011913	0.011599 0.145151
## 2003	5.354753	0.014318	0.011783 0.156053
## 2004	4.545452	0.014189	0.011624 0.144614
## 2005	3.260457	0.013452	0.011503 0.133313
## 2006	4.292978	0.014255	0.011801 0.144678
## 2007	1.871570	0.014375	0.011031 0.137753
## 2008	2.165456	0.015640	0.010993 0.142318
## 2009	2.458545	0.013626	0.011551 0.131863
## 2010	2.738966	0.015036	0.011434 0.129338
## 2011	1.529662	0.015927	0.011186 0.124587
## 2012	3.224497	0.013613	0.010303 0.124078
## 2013	3.815074	0.014694	0.011155 0.124288
## 2014	17.230013	0.019368	0.013446 0.123625
## 2015	0.309440	0.016829	0.011359 0.124075
## 2016	10.114238	0.016205	0.011801 0.111375
## 2017	4.210119	0.018887	0.012285 0.125966
## 2018	11.957536	0.016571	0.010619 0.111944
## 2019	10.288854	0.016015	0.010216 0.112351
## 2020	15.539690	0.015069	0.010778 0.108177

## 2021	15.457419	0.019506	0.010907 0.081746
## 2022	23.775070	0.019582	0.008308 0.095562
## 2023	5.721641	0.015687	0.010459 0.099630
## 2024	7.661795	0.018349	0.008243 0.097674
## 2025	6.055584	0.019380	0.009619 0.091758
## 2026	5.035663	0.015986	0.007631 0.095486
## 2027	6.275243	0.013677	0.007715 0.074121
## 2028	6.417820	0.017477	0.011012 0.107325
## 2029	2.102577	0.018205	0.010234 0.117513
## 2030	2.219847	0.015708	0.011120 0.118023
## 2031	11.371415	0.018068	0.010113 0.106944
## 2032	3.638414	0.017115	0.009111 0.111920
## 2033	5.800002	0.018141	0.012546 0.100938
## 2034	2.441067	0.014329	0.009429 0.106439
## 2035	5.470945	0.019715	0.010629 0.108259
## 2036	9.132794	0.014865	0.009564 0.103000
## 2037	2.550241	0.019705	0.013678 0.096382
## 2038	8.852332	0.015825	0.010650 0.078250
## 2039	24.694939	0.009712	0.005540 0.089375
## 2040	4.192632	0.017368	0.010850 0.120455
## 2041	4.072398	0.012862	0.009654 0.101471
## 2042	4.106563	0.016966	0.010316 0.108090
## 2043	4.301153	0.016791	0.012402 0.097656
## 2044	33.410511	0.019722	0.013075 0.093182
## 2045	2.870959	0.018131	0.010711 0.126375
## 2046	4.430891	0.010484	0.010906 0.111089
## 2047	13.652743	0.019065	0.012069 0.121165
## 2048	25.053907	0.014471	0.010842 0.094931
## 2049	5.478600	0.018276	0.012972 0.100962
## 2050	2.935415	0.015378	0.010150 0.105529
## 2051	16.920654	0.018752	0.009427 0.134243
## 2052	2.071006	0.016117	0.010198 0.103875
## 2053	2.976131	0.017196	0.010077 0.095023
## 2054	4.943688	0.012906	0.012480 0.114236
## 2055	2.505992	0.018529	0.010779 0.087282
## 2056	4.225936	0.020024	0.008438 0.098292
## 2057	10.433454	0.018115	0.008114 0.088945
## 2058	3.772149	0.017947	0.009266 0.090014
## 2059	18.166443	0.013822	0.008733 0.077125
## 2060	12.777489	0.018894	0.011603 0.081747
## 2061	5.650358	0.015150	0.009536 0.109375
## 2062	11.201488	0.019447	0.011321 0.099361
## 2063	16.121275	0.017129	0.009030 0.106641
## 2064	11.225915	0.020162	0.008716 0.094906
## 2065	5.923948	0.018572	0.011988 0.071496
## 2066	3.876213	0.017273	0.010467 0.110669
## 2067	1.666306	0.020156	0.008918 0.098793
## 2068	4.045211	0.016636	0.007926 0.098172
## 2069	5.031310	0.018603	0.011056 0.085273
## 2070	8.775725	0.027770	0.011545 0.046951
## 2071	5.296672	0.018811	0.009984 0.058832
## 2072	16.684507	0.015293	0.010211 0.074554
## 2073	6.352060	0.022612	0.012860 0.057847
## 2074	5.432675	0.017811	0.010164 0.083811

## 2075	10.802604	0.020492	0.009007 0.063971
## 2076	4.878531	0.021015	0.009132 0.073819
## 2077	5.115849	0.022394	0.009147 0.062545
## 2078	1.814124	0.026577	0.010085 0.033163
## 2079	11.519670	0.021133	0.011216 0.045625
## 2080	9.097639	0.017990	0.008628 0.065625
## 2081	8.454681	0.019290	0.009615 0.073599
## 2082	4.577066	0.019888	0.008419 0.076339
## 2083	15.063170	0.018632	0.007868 0.081641
## 2084	4.928157	0.019272	0.009012 0.085899
## 2085	6.548841	0.020278	0.007958 0.096237
## 2086	6.945037	0.018865	0.010326 0.079750
## 2087	5.743613	0.020416	0.008412 0.091848
## 2088	8.519737	0.023761	0.007034 0.063015
## 2089	1.572762	0.017001	0.010501 0.092715
## 2090	4.162861	0.014475	0.009618 0.125275
## 2091	2.078567	0.015362	0.012597 0.125858
## 2092	4.590113	0.016270	0.012219 0.118322
## 2093	11.536931	0.014725	0.014760 0.131750
## 2094	5.119038	0.014234	0.012860 0.133240
## 2095	1.919285	0.015260	0.011392 0.125525
## 2096	2.690104	0.014908	0.010268 0.101846
## 2097	2.289326	0.016825	0.009534 0.107293
## 2098	1.495887	0.015935	0.009689 0.105469
## 2099	0.721627	0.013789	0.010114 0.107533
## 2100	2.890765	0.013166	0.009293 0.099370
## 2101	1.564731	0.014581	0.009178 0.108826
## 2102	6.204360	0.014204	0.010070 0.104223
## 2103	2.444934	0.014028	0.009005 0.113434
## 2104	4.078433	0.014030	0.009234 0.112977
## 2105	5.080375	0.015152	0.008632 0.117535
## 2106	1.965262	0.013900	0.009025 0.112194
## 2107	1.734059	0.014563	0.011151 0.107784
## 2108	4.452665	0.015503	0.012325 0.112636
## 2109	9.920522	0.010041	0.011019 0.127125
## 2110	7.281958	0.013734	0.011758 0.134967
## 2111	1.206809	0.014585	0.011600 0.140321
## 2112	2.318372	0.013394	0.011016 0.163529
## 2113	1.526724	0.013686	0.011664 0.156210
## 2114	1.016600	0.012609	0.011474 0.149138
## 2115	1.590309	0.014400	0.011089 0.130743
## 2116	3.530108	0.016717	0.011660 0.094291
## 2117	5.090152	0.015272	0.011740 0.108681
## 2118	6.730877	0.008716	0.010478 0.128606
## 2119	5.308067	0.013508	0.011740 0.147312
## 2120	5.869321	0.012006	0.010153 0.160386
## 2121	5.866574	0.013906	0.010289 0.122297
## 2122	3.894220	0.014615	0.012196 0.151058
## 2123	1.336602	0.013399	0.011378 0.149808
## 2124	1.059382	0.010952	0.009845 0.138894
## 2125	4.840275	0.012286	0.011066 0.137500
## 2126	3.756648	0.013271	0.011283 0.132449
## 2127	7.218628	0.014637	0.010900 0.103460
## 2128	14.561305	0.011467	0.010681 0.124306

## 2129	15.502284	0.017781	0.012593 0.132217
## 2130	16.547266	0.015817	0.012020 0.106048
## 2131	12.178939	0.018804	0.012282 0.110246
## 2132	12.314140	0.016993	0.009881 0.105112
## 2133	1.005215	0.017024	0.008904 0.091502
## 2134	0.695668	0.022421	0.010420 0.102669
## 2135	1.239720	0.020462	0.008861 0.090030
## 2136	2.861527	0.016242	0.009394 0.126813
## 2137	4.156758	0.018534	0.009243 0.116749
## 2138	7.163692	0.019302	0.008935 0.097359
## 2139	4.879769	0.019674	0.007688 0.092438
## 2140	0.288172	0.016825	0.009470 0.099219
## 2141	3.455254	0.019705	0.009888 0.105718
## 2142	26.041193	0.008782	0.010684 0.099677
## 2143	8.267145	0.018224	0.010958 0.097484
## 2144	11.697707	0.017508	0.013518 0.074769
## 2145	6.035411	0.012961	0.009271 0.068750
## 2146	28.847858	0.012153	0.008976 0.083661
## 2147	14.076181	0.018241	0.014535 0.081750
## 2148	0.720079	0.014628	0.011274 0.115278
## 2149	1.026180	0.016975	0.011212 0.079447
## 2150	3.953952	0.020086	0.012745 0.087500
## 2151	4.223949	0.023691	0.015083 0.073875
## 2152	34.224209	0.022097	0.010746 0.092750
## 2153	9.471108	0.021161	0.010064 0.094207
## 2154	7.205884	0.018894	0.009372 0.082401
## 2155	4.386936	0.020887	0.009636 0.089000
## 2156	3.332603	0.019394	0.008709 0.104125
## 2157	2.540994	0.017077	0.008030 0.099424
## 2158	4.294231	0.020708	0.005659 0.097894
## 2159	2.380427	0.018319	0.005222 0.112813
## 2160	1.026892	0.019667	0.005109 0.106678
## 2161	0.638200	0.014863	0.006487 0.101185
## 2162	2.484356	0.020412	0.007733 0.082798
## 2163	2.976371	0.018130	0.006016 0.097451
## 2164	3.994334	0.019227	0.013019 0.080191
## 2165	3.479278	0.024662	0.009343 0.071842
## 2166	6.748779	0.022433	0.010783 0.074125
## 2167	0.443691	0.019344	0.007602 0.094922
## 2168	3.287205	0.015000	0.008755 0.089125
## 2169	7.656149	0.017464	0.008296 0.108417
## 2170	3.688959	0.020577	0.009530 0.090842
## 2171	2.328464	0.017409	0.008746 0.092888
## 2172	1.986359	0.019896	0.008313 0.082779
## 2173	1.552180	0.021571	0.009541 0.083610
## 2174	1.117807	0.020309	0.009126 0.111899
## 2175	6.699909	0.016354	0.008453 0.106362
## 2176	8.119582	0.020786	0.011213 0.086530
## 2177	7.345171	0.018738	0.009595 0.098372
## 2178	12.927529	0.019201	0.010022 0.102269
## 2179	26.900034	0.009132	0.008769 0.065875
## 2180	5.785310	0.019829	0.009654 0.103636
## 2181	8.458136	0.020209	0.009189 0.097388
## 2182	2.876421	0.018047	0.009478 0.097098

## 2183	4.911119	0.015174	0.011773 0.130193
## 2184	7.166229	0.014440	0.014589 0.128774
## 2185	2.219815	0.013623	0.011436 0.135060
## 2186	3.293277	0.012651	0.012392 0.107031
## 2187	1.738602	0.018948	0.008987 0.086832
## 2188	1.866090	0.018770	0.008765 0.089854
## 2189	5.339989	0.020721	0.008916 0.094624
## 2190	6.298265	0.020994	0.009044 0.089978
## 2191	4.740281	0.017420	0.009087 0.096216
## 2192	2.951870	0.020387	0.007901 0.098657
## 2193	4.019479	0.019754	0.010202 0.079087
## 2194	4.135547	0.018433	0.008973 0.093961
## 2195	3.522004	0.013531	0.009748 0.073286
## 2196	1.822638	0.018974	0.008820 0.092716
## 2197	4.919389	0.019620	0.009856 0.080577
## 2198	2.356269	0.018866	0.009938 0.086981
## 2199	1.537768	0.017135	0.009141 0.095843
## 2200	3.452525	0.019263	0.007886 0.084700
## 2201	1.685278	0.017486	0.009847 0.084705
## 2202	3.279654	0.015338	0.011609 0.144106
## 2203	5.524601	0.016346	0.012776 0.119019
## 2204	3.723161	0.013537	0.012283 0.119015
## 2205	4.255176	0.014123	0.011762 0.139766
## 2206	2.524060	0.016786	0.012290 0.117048
## 2207	3.498739	0.015980	0.013248 0.129784
## 2208	6.993937	0.014834	0.011283 0.110008
## 2209	7.054569	0.015369	0.012262 0.135664
## 2210	2.759395	0.013835	0.013536 0.114696
## 2211	22.250765	0.010493	0.009660 0.082500
## 2212	0.741469	0.012030	0.012855 0.129937
## 2213	2.638850	0.012525	0.012041 0.123062
## 2214	4.958332	0.018086	0.010837 0.106269
## 2215	40.587486	0.011867	0.006733 0.088250
## 2216	12.424852	0.016184	0.009821 0.095114
## 2217	24.442791	0.015667	0.010024 0.102344
## 2218	7.525663	0.014836	0.011414 0.085937
## 2219	12.956872	0.017411	0.010294 0.100836
## 2220	8.762300	0.019799	0.011385 0.101107
## 2221	19.259327	0.013577	0.012460 0.096181
## 2222	16.221651	0.011119	0.008728 0.104875
## 2223	9.368531	0.017793	0.010283 0.058104
## 2224	10.408992	0.019845	0.008984 0.100511
## 2225	0.776354	0.019524	0.008225 0.126358
## 2226	1.022627	0.017608	0.008341 0.085729
## 2227	1.377950	0.015155	0.006710 0.112916
## 2228	37.760643	0.015733	0.006678 0.093692
## 2229	9.415746	0.014913	0.007088 0.100654
## 2230	6.930009	0.015042	0.007890 0.090208
## 2231	21.331377	0.014432	0.007765 0.079750
## 2232	13.661609	0.015598	0.006601 0.094555
## 2233	20.809677	0.014179	0.007548 0.087375
## 2234	4.707383	0.015216	0.005899 0.112796
## 2235	5.011193	0.015935	0.006134 0.101900
## 2236	8.103730	0.012517	0.006428 0.131641

## 2237	8.435228	0.010406	0.007724 0.034835
## 2238	6.423877	0.012776	0.009813 0.110474
## 2239	7.357466	0.015806	0.011426 0.120389
## 2240	8.578008	0.013047	0.011129 0.114987
## 2241	10.444406	0.014968	0.009336 0.095817
## 2242	3.694768	0.016357	0.011576 0.107002
## 2243	25.591078	0.019431	0.011425 0.079375
## 2244	5.081549	0.018477	0.009824 0.098367
## 2245	8.148688	0.014128	0.010282 0.086875
## 2246	8.649603	0.016834	0.010547 0.093211
## 2247	12.554090	0.015550	0.010861 0.081110
## 2248	7.906888	0.015612	0.011677 0.077500
## 2249	11.785478	0.019375	0.012369 0.098000
## 2250	9.578703	0.015483	0.010504 0.098220
## 2251	8.870567	0.016330	0.009200 0.093168
## 2252	39.547146	0.018165	0.012585 0.084000
## 2253	15.548530	0.016057	0.010484 0.092578
## 2254	14.624187	0.017152	0.010762 0.083375
## 2255	14.014380	0.016459	0.011000 0.096494
## 2256	7.125677	0.014978	0.009120 0.080625
## 2257	8.020668	0.015322	0.011580 0.094602
## 2258	23.374861	0.015869	0.009784 0.098958
## 2259	14.702644	0.015270	0.010079 0.085560
## 2260	2.323432	0.019740	0.010531 0.101562
## 2261	6.109334	0.015839	0.008876 0.091667
## 2262	11.900999	0.018271	0.009684 0.085010
## 2263	5.041019	0.009406	0.010725 0.072026
## 2264	3.639475	0.020027	0.009173 0.075794
## 2265	2.952195	0.016263	0.007355 0.078409
## 2266	0.855516	0.016596	0.006529 0.076865
## 2267	1.579264	0.017781	0.009174 0.060521
## 2268	5.407594	0.014188	0.005597 0.145920
## 2269	3.892771	0.017780	0.007659 0.119133
## 2270	13.207733	0.017853	0.008751 0.090094
## 2271	11.499696	0.016320	0.008909 0.088879
## 2272	13.511040	0.014639	0.009143 0.084875
## 2273	4.571992	0.018311	0.009883 0.087375
## 2274	12.627423	0.018505	0.008071 0.090679
## 2275	9.951207	0.017146	0.009284 0.095477
## 2276	14.583158	0.017506	0.008454 0.081465
## 2277	13.538268	0.019526	0.009124 0.070508
## 2278	16.437408	0.018334	0.009046 0.081055
## 2279	11.194174	0.017313	0.007590 0.081479
## 2280	8.610535	0.017657	0.008954 0.069758
## 2281	14.781172	0.017234	0.008179 0.070000
## 2282	11.253031	0.016929	0.008674 0.073875
## 2283	13.585762	0.018160	0.008510 0.082179
## 2284	15.829308	0.016083	0.008712 0.078375
## 2285	17.849926	0.020010	0.008352 0.080540
## 2286	9.745070	0.021428	0.009776 0.052714
## 2287	5.303693	0.022463	0.007296 0.100933
## 2288	15.762864	0.022476	0.008596 0.078893
## 2289	11.053789	0.020849	0.008077 0.092917
## 2290	30.414276	0.019470	0.010578 0.078000

## 2291	9.397675	0.019626	0.009074 0.059495
## 2292	8.723146	0.021393	0.008660 0.079337
## 2293	7.265450	0.021494	0.009789 0.072942
## 2294	7.025317	0.020099	0.007013 0.106388
## 2295	12.013140	0.023238	0.007388 0.094900
## 2296	1.447594	0.018143	0.008883 0.116572
## 2297	1.943980	0.017213	0.009119 0.099983
## 2298	1.878393	0.016701	0.006506 0.113098
## 2299	11.203000	0.014733	0.011100 0.127289
## 2300	3.939063	0.013890	0.010022 0.122446
## 2301	7.469748	0.015037	0.011556 0.123197
## 2302	11.240638	0.015974	0.010938 0.112946
## 2303	0.424181	0.014982	0.010685 0.113302
## 2304	1.357493	0.016012	0.011692 0.116010
## 2305	2.798404	0.015850	0.011656 0.118597
## 2306	8.707066	0.014683	0.011772 0.099760
## 2307	4.580893	0.016873	0.012435 0.111406
## 2308	5.419188	0.013164	0.009113 0.114915
## 2309	9.538810	0.012552	0.010871 0.119792
## 2310	7.145362	0.015170	0.011910 0.121814
## 2311	8.808540	0.013017	0.012028 0.115422
## 2312	3.693937	0.011814	0.006553 0.273279
## 2313	10.439581	0.013371	0.010586 0.164513
## 2314	11.536879	0.011814	0.011917 0.179125
## 2315	14.290756	0.010725	0.011512 0.229643
## 2316	9.151842	0.015441	0.013302 0.168109
## 2317	26.353132	0.009412	0.011321 0.185000
## 2318	5.543788	0.019492	0.011446 0.123420
## 2319	4.952156	0.015451	0.008841 0.103125
## 2320	4.392718	0.014568	0.012317 0.136090
## 2321	5.854101	0.014320	0.012607 0.147622
## 2322	2.195222	0.014763	0.012449 0.121780
## 2323	8.326849	0.012546	0.013185 0.142434
## 2324	2.186368	0.019540	0.010299 0.099311
## 2325	6.475360	0.016569	0.009124 0.145881
## 2326	6.896360	0.017034	0.011319 0.178092
## 2327	7.398700	0.013926	0.008065 0.145833
## 2328	4.235421	0.010847	0.012795 0.132401
## 2329	2.736676	0.014449	0.013509 0.136207
## 2330	4.141993	0.016027	0.010809 0.144291
## 2331	12.073445	0.014263	0.011354 0.150481
## 2332	6.155731	0.013118	0.009526 0.153433
## 2333	7.062999	0.015652	0.014134 0.140727
## 2334	4.408257	0.018404	0.012403 0.127016
## 2335	2.981871	0.014183	0.013240 0.120982
## 2336	11.957115	0.015486	0.012661 0.113051
## 2337	15.053231	0.013056	0.013201 0.138194
## 2338	6.212371	0.013058	0.010649 0.112083
## 2339	2.378764	0.013342	0.009701 0.135147
## 2340	6.693405	0.013015	0.005015 0.155625
## 2341	8.055576	0.009821	0.007323 0.130804
## 2342	20.521278	0.026107	0.012313 0.089732
## 2343	8.029209	0.025707	0.007424 0.102869
## 2344	11.186954	0.022089	0.009991 0.086538

## 2345	5.360160	0.020684	0.010479 0.075112
## 2346	28.632420	0.019676	0.007984 0.090804
## 2347	15.081423	0.020065	0.009235 0.082750
## 2348	1.367007	0.017351	0.007797 0.104051
## 2349	0.605103	0.016073	0.007478 0.113582
## 2350	4.115567	0.016372	0.007649 0.110991
## 2351	3.798514	0.018896	0.008688 0.089625
## 2352	34.770695	0.018501	0.008391 0.093625
## 2353	9.008714	0.018517	0.007382 0.108841
## 2354	6.821794	0.018173	0.007954 0.086184
## 2355	4.259231	0.018799	0.010100 0.081375
## 2356	3.331438	0.020076	0.010649 0.068375
## 2357	2.395707	0.020990	0.010417 0.081562
## 2358	4.170394	0.018179	0.006839 0.096875
## 2359	36.657372	0.016102	0.013291 0.058789
## 2360	18.891785	0.014029	0.007556 0.065750
## 2361	11.467862	0.014568	0.006874 0.075962
## 2362	7.752752	0.013654	0.006820 0.072750
## 2363	7.976812	0.013589	0.007045 0.072375
## 2364	7.341797	0.014792	0.006176 0.067224
## 2365	23.487577	0.020434	0.009547 0.043076
## 2366	2.859404	0.019920	0.009650 0.098585
## 2367	0.882606	0.018004	0.009120 0.123570
## 2368	1.949069	0.020557	0.008245 0.088305
## 2369	0.522106	0.019196	0.008452 0.096131
## 2370	0.940638	0.017642	0.009201 0.101750
## 2371	3.884893	0.017368	0.010734 0.108545
## 2372	7.261930	0.018295	0.011176 0.101899
## 2373	2.013479	0.017877	0.011227 0.081992
## 2374	2.088719	0.015891	0.012420 0.095281
## 2375	1.393391	0.021923	0.011828 0.100596
## 2376	11.144355	0.019424	0.008808 0.103486
## 2377	15.435657	0.004580	0.008014 0.096212
## 2378	8.236794	0.027895	0.016469 0.031048
## 2379	5.453495	0.016562	0.009076 0.084147
## 2380	5.521468	0.019140	0.009452 0.106148
## 2381	3.759909	0.016701	0.011155 0.105199
## 2382	5.129942	0.016233	0.009751 0.127454
## 2383	0.423314	0.015698	0.010061 0.110364
## 2384	3.685437	0.016238	0.009860 0.117932
## 2385	2.598424	0.017567	0.011058 0.113760
## 2386	1.307891	0.017381	0.011216 0.119833
## 2387	5.123752	0.015594	0.012195 0.137865
## 2388	0.842781	0.016017	0.011149 0.122141
## 2389	5.958909	0.015378	0.013261 0.101774
## 2390	15.022702	0.018282	0.012878 0.085875
## 2391	13.468410	0.012546	0.011577 0.134000
## 2392	4.378250	0.015848	0.012582 0.113269
## 2393	3.374252	0.014705	0.011849 0.104079
## 2394	2.130168	0.015211	0.011413 0.120686
## 2395	1.082632	0.014969	0.011288 0.108536
## 2396	1.335327	0.016936	0.011738 0.123259
## 2397	35.521042	0.006644	0.002970 0.097301
## 2398	1.999218	0.019686	0.013019 0.109928

## 2399	1.204050	0.017173	0.012487 0.121287
## 2400	0.980863	0.015670	0.012513 0.121393
## 2401	1.828329	0.015669	0.010820 0.111660
## 2402	2.064228	0.017835	0.011942 0.110074
## 2403	32.597363	0.001190	0.001093 0.178205
## 2404	5.977244	0.010204	0.005939 0.173535
## 2405	6.235296	0.010377	0.008961 0.109500
## 2406	13.019301	0.011241	0.007264 0.128875
## 2407	2.474545	0.019238	0.010439 0.136293
## 2408	9.626040	0.016523	0.008237 0.142049
## 2409	9.285270	0.009375	0.006313 0.153000
## 2410	12.285558	0.016365	0.008984 0.142759
## 2411	14.663894	0.014644	0.008066 0.157813
## 2412	7.260701	0.018434	0.010984 0.105625
## 2413	4.190835	0.027578	0.013154 0.041016
## 2414	11.529437	0.020376	0.010277 0.094184
## 2415	18.393602	0.022949	0.009191 0.086321
## 2416	12.951008	0.020384	0.008277 0.085707
## 2417	0.169497	0.020738	0.009282 0.071047
## 2418	12.671239	0.017922	0.008173 0.079823
## 2419	5.405719	0.011944	0.008333 0.057986
## 2420	7.817748	0.020215	0.009764 0.086979
## 2421	2.397842	0.016860	0.009210 0.077722
## 2422	3.589910	0.019344	0.010125 0.073878
## 2423	5.813414	0.014742	0.010474 0.066354
## 2424	7.226621	0.016707	0.008049 0.108088
## 2425	3.524521	0.015659	0.007968 0.096458
## 2426	6.223506	0.016248	0.006394 0.089489
## 2427	12.950819	0.013268	0.007043 0.117625
## 2428	0.837942	0.016574	0.006132 0.116118
## 2429	4.924993	0.018382	0.007064 0.087432
## 2430	12.313640	0.017527	0.008761 0.103250
## 2431	9.739946	0.016540	0.007064 0.088184
## 2432	2.906129	0.017192	0.007766 0.092928
## 2433	9.280293	0.015481	0.005596 0.129147
## 2434	4.782823	0.014866	0.005872 0.120278
## 2435	3.760355	0.014590	0.005263 0.149901
## 2436	5.710687	0.015748	0.007364 0.115000
## 2437	18.769598	0.012932	0.007313 0.138625
## 2438	19.636150	0.015139	0.008452 0.132375
## 2439	12.697609	0.015273	0.009793 0.105233
## 2440	19.862387	0.010949	0.005331 0.132500
## 2441	24.745302	0.010770	0.005051 0.137375
## 2442	16.135214	0.017411	0.008764 0.110696
## 2443	11.399899	0.020969	0.008449 0.092737
## 2444	4.617158	0.017114	0.008201 0.121640
## 2445	3.070403	0.014636	0.007817 0.113542
## 2446	2.534225	0.019438	0.009507 0.104877
## 2447	2.743446	0.018780	0.008810 0.108824
## 2448	2.937934	0.019742	0.009283 0.094322
## 2449	2.619116	0.021012	0.007408 0.090231
## 2450	3.879644	0.019885	0.007757 0.088717
## 2451	4.994362	0.018714	0.008045 0.119343
## 2452	4.286810	0.016424	0.008082 0.103416

## 2453	4.579178	0.021470	0.007859 0.094575
## 2454	2.412633	0.018836	0.007285 0.112693
## 2455	11.610237	0.016380	0.007436 0.136375
## 2456	18.234430	0.018762	0.009134 0.129514
## 2457	17.450239	0.024922	0.011617 0.077500
## 2458	6.167748	0.019832	0.008450 0.089547
## 2459	5.298557	0.019021	0.012564 0.092919
## 2460	2.081930	0.016282	0.009894 0.126463
## 2461	0.623237	0.014987	0.009932 0.130063
## 2462	1.055442	0.012878	0.009753 0.127885
## 2463	1.422504	0.012562	0.010419 0.157916
## 2464	5.020353	0.012660	0.009732 0.142580
## 2465	14.253626	0.013241	0.009520 0.117187
## 2466	2.501324	0.011508	0.010718 0.130391
## 2467	29.026123	0.015358	0.012311 0.131000
## 2468	11.872522	0.014054	0.010350 0.118286
## 2469	7.247281	0.015985	0.010695 0.135788
## 2470	3.512930	0.014988	0.009943 0.128826
## 2471	0.782391	0.012592	0.009637 0.148992
## 2472	1.728181	0.013035	0.008451 0.118001
## 2473	3.465195	0.015374	0.008687 0.129323
## 2474	3.411195	0.016023	0.009654 0.133039
## 2475	34.460514	0.017391	0.011096 0.115625
## 2476	14.686926	0.011196	0.009856 0.128673
## 2477	13.982468	0.015970	0.004963 0.133770
## 2478	19.827200	0.014947	0.015015 0.082813
## 2479	37.254902	0.018316	0.009581 0.109743
## 2480	21.913380	0.019978	0.008280 0.071436
## 2481	14.603625	0.017162	0.012621 0.083500
## 2482	2.151815	0.011278	0.008184 0.113616
## 2483	13.231423	0.015107	0.009916 0.113875
## 2484	14.015297	0.021174	0.011424 0.108102
## 2485	14.785851	0.023882	0.008956 0.083894
## 2486	5.916220	0.018371	0.010924 0.068304
## 2487	18.022572	0.020982	0.008917 0.066477
## 2488	2.816530	0.018219	0.009732 0.068142
## 2489	8.485271	0.017380	0.010181 0.102528
## 2490	8.246424	0.015968	0.012593 0.108281
## 2491	13.723547	0.018530	0.010880 0.078250
## 2492	15.521546	0.019791	0.012222 0.067875
## 2493	17.540216	0.015616	0.008672 0.044500
## 2494	0.937516	0.016830	0.012132 0.088413
## 2495	6.026609	0.018851	0.009694 0.102907
## 2496	1.740760	0.014546	0.007818 0.116398
## 2497	3.557544	0.017613	0.008194 0.109970
## 2498	9.480714	0.015306	0.007969 0.118178
## 2499	7.357412	0.013005	0.008816 0.101563
## 2500	7.274241	0.018351	0.008262 0.116056
## 2501	9.565343	0.015021	0.008251 0.107750
## 2502	6.101914	0.020321	0.008421 0.090102
## 2503	0.770638	0.018949	0.005166 0.083355
## 2504	0.978674	0.018010	0.004547 0.095471
## 2505	1.322074	0.017919	0.005537 0.100043
## 2506	18.129511	0.015039	0.006445 0.099138

## 2507	14.173260	0.017134	0.006384 0.080585
## 2508	5.820167	0.016450	0.006912 0.081094
## 2509	10.888974	0.005126	0.003686 0.065838
## 2510	15.909772	0.017111	0.011428 0.110760
## 2511	18.783819	0.019195	0.007996 0.095288
## 2512	2.151293	0.018793	0.010085 0.089240
## 2513	5.943551	0.013370	0.008095 0.122917
## 2514	10.814812	0.014845	0.005295 0.130127
## 2515	4.983312	0.017333	0.008694 0.121119
## 2516	3.494635	0.017330	0.008398 0.090837
## 2517	2.793067	0.015630	0.008536 0.090341
## 2518	0.562650	0.018443	0.007856 0.099849
## 2519	1.270286	0.018389	0.007916 0.095764
## 2520	5.295665	0.019705	0.007236 0.085871
## 2521	4.370095	0.019031	0.006811 0.081723
## 2522	9.247154	0.017750	0.008310 0.064174
## 2523	13.824159	0.015933	0.008365 0.066625
## 2524	12.873813	0.018722	0.007980 0.084443
## 2525	2.410963	0.021833	0.007599 0.072792
## 2526	2.449237	0.017716	0.008001 0.097557
## 2527	3.532005	0.015379	0.009425 0.081808
## 2528	2.955224	0.019271	0.010542 0.086250
## 2529	2.467084	0.019231	0.008977 0.084948
## 2530	1.725038	0.017512	0.008649 0.078227
## 2531	0.269273	0.018405	0.008477 0.081723
## 2532	4.657926	0.015760	0.009158 0.067875
## 2533	8.637534	0.018125	0.011149 0.069125
## 2534	18.855135	0.017216	0.010807 0.066250
## 2535	4.059227	0.019350	0.008551 0.098421
## 2536	13.069779	0.017210	0.008731 0.085340
## 2537	12.701474	0.017982	0.009631 0.101829
## 2538	10.588496	0.017864	0.009296 0.073780
## 2539	16.208042	0.022559	0.012918 0.068500
## 2540	6.774176	0.015699	0.008825 0.115768
## 2541	1.507681	0.019540	0.009028 0.109934
## 2542	13.678637	0.015186	0.011072 0.061000
## 2543	2.873306	0.015329	0.010811 0.098911
## 2544	13.396515	0.018556	0.010748 0.113163
## 2545	12.358949	0.016991	0.010087 0.107393
## 2546	5.319530	0.016040	0.012968 0.085824
## 2547	4.016731	0.014741	0.011872 0.114578
## 2548	9.075423	0.016714	0.012333 0.115826
## 2549	9.334105	0.013644	0.010234 0.113500
## 2550	1.316700	0.017024	0.010691 0.109769
## 2551	2.039032	0.016824	0.011984 0.119337
## 2552	4.190332	0.016266	0.012575 0.131330
## 2553	19.696581	0.017526	0.010369 0.105293
## 2554	3.192458	0.009484	0.010993 0.087919
## 2555	3.435727	0.017115	0.012518 0.060865
## 2556	2.468278	0.016990	0.010515 0.110592
## 2557	1.741814	0.017295	0.010961 0.107801
## 2558	2.500624	0.016621	0.011423 0.120269
## 2559	8.375836	0.014440	0.011730 0.113387
## 2560	1.782227	0.013272	0.010092 0.109411

## 2561	29.076149	0.007610	0.009328 0.203625
## 2562	7.605831	0.012490	0.011977 0.142250
## 2563	16.987320	0.019121	0.016286 0.089375
## 2564	9.740814	0.010687	0.010456 0.109125
## 2565	4.839391	0.012791	0.014821 0.133036
## 2566	4.818500	0.012249	0.011608 0.126426
## 2567	7.902001	0.013520	0.010072 0.163111
## 2568	2.761958	0.009914	0.009156 0.180734
## 2569	10.989470	0.010168	0.011134 0.180998
## 2570	13.496073	0.011165	0.009674 0.132607
## 2571	4.016888	0.009238	0.010231 0.159120
## 2572	6.390553	0.011487	0.010554 0.155111
## 2573	23.403755	0.010506	0.013197 0.139625
## 2574	9.892771	0.010355	0.010679 0.171773
## 2575	8.127834	0.012905	0.009559 0.146484
## 2576	2.192591	0.012768	0.011225 0.164823
## 2577	2.560002	0.010141	0.011757 0.091563
## 2578	1.013067	0.013842	0.011930 0.132912
## 2579	1.317990	0.014778	0.011672 0.093438
## 2580	5.078816	0.013527	0.010085 0.163884
## 2581	5.448338	0.011460	0.009565 0.199924
## 2582	5.606959	0.009515	0.009401 0.160045
## 2583	6.091835	0.010921	0.010124 0.180733
## 2584	3.959083	0.010787	0.010562 0.195969
## 2585	6.474660	0.011712	0.012101 0.156036
## 2586	3.964898	0.011420	0.010003 0.158418
## 2587	4.844652	0.010183	0.009975 0.186152
## 2588	3.024610	0.015299	0.011042 0.138858
## 2589	1.858724	0.014882	0.011359 0.125477
## 2590	1.864513	0.014768	0.010955 0.116494
## 2591	2.315408	0.015387	0.009802 0.127025
## 2592	3.813685	0.015517	0.010138 0.113250
## 2593	3.825735	0.018844	0.010262 0.089886
## 2594	21.592985	0.014951	0.011122 0.104144
## 2595	6.160086	0.018204	0.011664 0.112375
## 2596	13.051155	0.013660	0.011823 0.110250
## 2597	2.537969	0.012701	0.010826 0.113494
## 2598	9.160072	0.011611	0.010656 0.096123
## 2599	9.564038	0.002661	0.001781 0.094500
## 2600	12.104053	0.011816	0.009208 0.124063
## 2601	18.685488	0.022764	0.011057 0.104625
## 2602	14.947147	0.015097	0.009186 0.147934
## 2603	5.329029	0.015746	0.007952 0.139015
## 2604	11.517828	0.011987	0.007385 0.161285
## 2605	18.653011	0.017168	0.008816 0.153007
## 2606	11.747389	0.023241	0.009443 0.083471
## 2607	3.780622	0.022965	0.009774 0.089397
## 2608	6.066925	0.018486	0.008392 0.080288
## 2609	3.379128	0.020906	0.009052 0.073902
## 2610	5.104892	0.017340	0.008754 0.065820
## 2611	4.263408	0.022281	0.011287 0.060366
## 2612	4.866545	0.017144	0.008164 0.074583
## 2613	2.797496	0.026457	0.013207 0.048828
## 2614	5.574436	0.020902	0.006448 0.087205

## 2615	15.374542	0.019781	0.005871 0.085625
## 2616	12.020153	0.017635	0.006963 0.081250
## 2617	4.928865	0.016362	0.007278 0.086298
## 2618	12.438057	0.018090	0.005033 0.094363
## 2619	20.067232	0.018013	0.005933 0.096324
## 2620	3.601737	0.019373	0.009615 0.084716
## 2621	38.175175	0.016109	0.013310 0.078500
## 2622	15.593760	0.015694	0.008686 0.103327
## 2623	13.312564	0.014273	0.007809 0.109500
## 2624	13.604771	0.015630	0.007270 0.109146
## 2625	6.691334	0.010396	0.012074 0.088625
## 2626	7.444573	0.019733	0.011073 0.083665
## 2627	22.548040	0.017501	0.009227 0.072855
## 2628	8.624524	0.017822	0.007759 0.074460
## 2629	2.030235	0.020173	0.009529 0.089607
## 2630	0.707328	0.016279	0.009516 0.127865
## 2631	1.101807	0.019324	0.010384 0.116022
## 2632	1.298944	0.017554	0.009065 0.112312
## 2633	3.939687	0.021119	0.008216 0.089583
## 2634	7.273369	0.018217	0.008492 0.101744
## 2635	4.749174	0.019801	0.010586 0.103395
## 2636	0.289861	0.013291	0.010995 0.100716
## 2637	3.201000	0.018166	0.011102 0.101042
## 2638	4.939932	0.018606	0.011166 0.088530
## 2639	1.457813	0.015816	0.010812 0.097763
## 2640	1.880004	0.017342	0.011376 0.088854
## 2641	1.156714	0.025474	0.010189 0.094315
## 2642	0.822568	0.024337	0.009180 0.072752
## 2643	1.339418	0.018185	0.008169 0.086692
## 2644	3.251292	0.015407	0.006318 0.114562
## 2645	9.399499	0.020307	0.010669 0.084125
## 2646	0.400880	0.020879	0.009265 0.089691
## 2647	4.018583	0.015194	0.008005 0.108250
## 2648	4.644331	0.020122	0.008264 0.086402
## 2649	15.311617	0.021301	0.010137 0.080078
## 2650	9.511812	0.019464	0.009602 0.113889
## 2651	3.240425	0.017384	0.011531 0.108540
## 2652	7.528528	0.016325	0.009751 0.086207
## 2653	2.210321	0.014052	0.013863 0.077125
## 2654	3.531805	0.014741	0.009321 0.088260
## 2655	1.139304	0.014753	0.012120 0.105055
## 2656	1.635280	0.011767	0.011856 0.102113
## 2657	1.847232	0.006528	0.006967 0.103038
## 2658	2.797918	0.014282	0.010292 0.124924
## 2659	1.318017	0.012716	0.010389 0.107830
## 2660	3.709853	0.010796	0.009921 0.127644
## 2661	3.200404	0.013213	0.008644 0.095221
## 2662	4.027005	0.011716	0.011552 0.072222
## 2663	3.154379	0.013890	0.010741 0.102431
## 2664	1.769598	0.014908	0.011142 0.120958
## 2665	7.098604	0.015815	0.012640 0.093505
## 2666	1.369663	0.017676	0.013125 0.074646
## 2667	0.424067	0.015399	0.012353 0.086601
## 2668	1.039942	0.016761	0.010555 0.058490

## 2669	1.104720	0.016212	0.013016 0.079532
## 2670	0.957031	0.014646	0.013504 0.071429
## 2671	0.623561	0.013687	0.012020 0.078585
## 2672	1.810329	0.012730	0.012427 0.079626
## 2673	0.869921	0.016618	0.013109 0.092896
## 2674	1.803154	0.013152	0.012315 0.083753
## 2675	1.893960	0.015340	0.011961 0.101890
## 2676	0.857213	0.015632	0.009949 0.123444
## 2677	2.175872	0.013652	0.009495 0.131367
## 2678	2.444280	0.012893	0.011262 0.138076
## 2679	3.755442	0.016217	0.010609 0.161787
## 2680	5.337379	0.013265	0.010064 0.199000
## 2681	3.183429	0.013767	0.010532 0.208159
## 2682	3.401647	0.015361	0.011760 0.191229
## 2683	3.959143	0.014919	0.012068 0.236510
## 2684	2.946391	0.015657	0.012375 0.219265
## 2685	5.843546	0.011062	0.011276 0.307813
## 2686	4.357472	0.015941	0.011632 0.215136
## 2687	4.233331	0.017514	0.009942 0.142063
## 2688	1.050648	0.014100	0.010678 0.142058
## 2689	0.734418	0.013963	0.010693 0.139995
## 2690	5.768469	0.015891	0.012851 0.139183
## 2691	2.857251	0.015704	0.011340 0.191639
## 2692	2.999078	0.016985	0.012046 0.182514
## 2693	1.607427	0.016912	0.012051 0.170576
## 2694	13.670300	0.017012	0.010985 0.181976
## 2695	0.535862	0.009832	0.008915 0.212500
## 2696	10.698831	0.014560	0.011358 0.192663
## 2697	2.657686	0.017157	0.010162 0.143304
## 2698	2.334583	0.012431	0.011256 0.241830
## 2699	3.089808	0.017260	0.009090 0.155012
## 2700	6.653867	0.014498	0.010073 0.209816
## 2701	4.541316	0.014654	0.011097 0.167917
## 2702	3.513783	0.015763	0.011313 0.201190
## 2703	0.900103	0.016794	0.011312 0.195103
## 2704	2.120859	0.011401	0.010635 0.247991
## 2705	1.680088	0.016783	0.010460 0.173191
## 2706	0.475330	0.015013	0.010657 0.195556
## 2707	1.928836	0.012563	0.010653 0.227870
## 2708	4.873288	0.016043	0.013099 0.197159
## 2709	2.398541	0.015285	0.011021 0.157292
## 2710	3.723281	0.016142	0.010338 0.176726
## 2711	5.165246	0.013695	0.011627 0.209034
## 2712	3.777519	0.014778	0.011401 0.181978
## 2713	4.832407	0.015419	0.012347 0.175990
## 2714	5.663217	0.013400	0.010781 0.179214
## 2715	4.770782	0.017083	0.010428 0.178101
## 2716	6.757745	0.015657	0.011251 0.185571
## 2717	4.226975	0.016061	0.011025 0.181450
## 2718	5.240737	0.017646	0.012922 0.142250
## 2719	2.147748	0.011802	0.010492 0.197304
## 2720	2.870594	0.013938	0.010069 0.197807
## 2721	2.862743	0.014157	0.012001 0.187676
## 2722	1.512226	0.018380	0.012461 0.140503

## 2723	13.265386	0.014705	0.011483 0.183775
## 2724	0.513090	0.013103	0.011321 0.123214
## 2725	11.392056	0.011496	0.011268 0.186141
## 2726	2.569342	0.012412	0.010260 0.238281
## 2727	2.326077	0.019637	0.010008 0.134428
## 2728	0.906832	0.015213	0.008440 0.128125
## 2729	3.127275	0.017973	0.009923 0.154207
## 2730	8.113182	0.017093	0.010249 0.120615
## 2731	1.140189	0.015374	0.010613 0.152055
## 2732	6.449859	0.015609	0.010142 0.116300
## 2733	33.123055	0.013375	0.011079 0.099583
## 2734	20.269272	0.012180	0.009957 0.100625
## 2735	18.133755	0.016308	0.010398 0.087875
## 2736	11.921399	0.013692	0.010656 0.100125
## 2737	16.067671	0.012669	0.012038 0.100156
## 2738	19.184109	0.014982	0.009771 0.106370
## 2739	18.440784	0.017083	0.010184 0.114773
## 2740	9.588557	0.014018	0.009041 0.111754
## 2741	3.477109	0.022846	0.010960 0.130773
## 2742	2.905188	0.007153	0.006059 0.124461
## 2743	2.879291	0.011445	0.004484 0.148271
## 2744	0.565091	0.016501	0.009468 0.115497
## 2745	1.157278	0.021536	0.008951 0.083053
## 2746	6.852776	0.018946	0.010369 0.076048
## 2747	8.060580	0.016442	0.008921 0.110011
## 2748	6.854519	0.018415	0.009628 0.103125
## 2749	12.941179	0.017513	0.010087 0.102868
## 2750	14.408767	0.020463	0.009511 0.097996
## 2751	4.997008	0.019221	0.009942 0.097086
## 2752	4.109643	0.018536	0.008194 0.062917
## 2753	4.258249	0.024065	0.012724 0.091572
## 2754	3.523962	0.021167	0.006968 0.106985
## 2755	3.574817	0.016183	0.008006 0.116884
## 2756	1.056420	0.017259	0.008865 0.115935
## 2757	3.123808	0.019799	0.009247 0.110372
## 2758	5.220223	0.018433	0.007844 0.104688
## 2759	1.833545	0.019239	0.010157 0.084524
## 2760	4.643435	0.022012	0.007494 0.092173
## 2761	1.095518	0.019230	0.007271 0.103602
## 2762	11.469024	0.015904	0.008448 0.129250
## 2763	0.277297	0.017888	0.008172 0.098437
## 2764	12.974062	0.019908	0.007068 0.117457
## 2765	1.160764	0.018719	0.011023 0.112606
## 2766	5.793879	0.016150	0.009891 0.117670
## 2767	5.310921	0.014449	0.009816 0.122574
## 2768	1.108358	0.016978	0.009585 0.115463
## 2769	6.176634	0.009831	0.010222 0.090118
## 2770	15.524508	0.011858	0.010530 0.096375
## 2771	12.912607	0.018061	0.010387 0.110250
## 2772	4.230201	0.018398	0.010065 0.110590
## 2773	3.132831	0.015313	0.010604 0.113802
## 2774	2.318304	0.015155	0.011857 0.115216
## 2775	1.065702	0.015124	0.012452 0.111482
## 2776	0.672589	0.014362	0.012279 0.111611

## 2777	7.251890	0.015078	0.010738 0.107770
## 2778	29.902164	0.016221	0.009663 0.128906
## 2779	12.464821	0.016225	0.009756 0.096540
## 2780	4.815650	0.015882	0.009855 0.128939
## 2781	5.137374	0.016007	0.009860 0.122016
## 2782	6.105664	0.010178	0.011036 0.082426
## 2783	3.976051	0.016549	0.012102 0.097997
## 2784	7.035903	0.013195	0.013620 0.121150
## 2785	3.016955	0.015387	0.013427 0.116381
## 2786	7.094442	0.014800	0.012464 0.107869
## 2787	2.666028	0.014634	0.013126 0.108333
## 2788	7.999726	0.016407	0.015431 0.094237
## 2789	4.149954	0.013902	0.012474 0.095657
## 2790	4.377336	0.017809	0.012043 0.106618
## 2791	3.666436	0.015305	0.012941 0.082826
## 2792	5.209274	0.016032	0.014479 0.082468
## 2793	2.232321	0.015219	0.013266 0.115262
## 2794	5.971965	0.013796	0.013528 0.131808
## 2795	11.572377	0.019787	0.013579 0.064750
## 2796	8.492805	0.014332	0.014107 0.126589
## 2797	8.708469	0.016717	0.012603 0.105291
## 2798	9.370934	0.015872	0.013612 0.094716
## 2799	5.682784	0.014914	0.012115 0.076809
## 2800	10.065623	0.016715	0.013499 0.113656
## 2801	7.622934	0.010621	0.009935 0.099781
## 2802	6.899333	0.014734	0.011915 0.106321
## 2803	4.340815	0.012980	0.013271 0.117319
## 2804	6.496030	0.017261	0.013229 0.088646
## 2805	5.396933	0.015950	0.012866 0.107522
## 2806	2.221365	0.013865	0.012104 0.123989
## 2807	1.890780	0.014145	0.012015 0.113703
## 2808	2.442351	0.014386	0.011983 0.100515
## 2809	1.394972	0.016618	0.011851 0.114724
## 2810	1.983296	0.014121	0.012247 0.107429
## 2811	3.099150	0.016258	0.014201 0.081511
## 2812	3.818080	0.015382	0.012733 0.116171
## 2813	4.132220	0.016006	0.011967 0.094260
## 2814	9.100699	0.002101	0.003227 0.073226
## 2815	1.569721	0.017047	0.010093 0.117310
## 2816	40.156570	0.019128	0.011123 0.075375
## 2817	16.590494	0.012661	0.012931 0.082292
## 2818	5.715939	0.005258	0.007549 0.091061
## 2819	1.970473	0.015010	0.016220 0.086000
## 2820	19.572735	0.015757	0.012827 0.109976
## 2821	6.993839	0.014898	0.010052 0.106250
## 2822	18.097036	0.015369	0.012167 0.114643
## 2823	11.296742	0.017502	0.012425 0.128049
## 2824	20.538692	0.015763	0.011913 0.084250
## 2825	3.731541	0.013766	0.011586 0.099819
## 2826	9.182000	0.019809	0.011567 0.115403
## 2827	1.088137	0.019674	0.008055 0.098193
## 2828	0.986543	0.019135	0.005574 0.068426
## 2829	0.860737	0.018321	0.004531 0.093733
## 2830	18.597973	0.015134	0.006781 0.081808

## 2831	13.857133	0.013458	0.006681 0.075586
## 2832	3.810682	0.017173	0.009788 0.065465
## 2833	10.903390	0.018610	0.007556 0.107361
## 2834	15.751317	0.018336	0.005228 0.110884
## 2835	12.587494	0.015112	0.006186 0.091890
## 2836	4.047015	0.014448	0.008012 0.086625
## 2837	8.595877	0.015457	0.007160 0.087000
## 2838	7.782834	0.016291	0.006391 0.089509
## 2839	2.799473	0.016818	0.006637 0.079332
## 2840	3.119411	0.015469	0.006502 0.085846
## 2841	13.861491	0.004435	0.005925 0.049892
## 2842	4.248088	0.016693	0.012513 0.115330
## 2843	18.029392	0.019244	0.008316 0.106914
## 2844	4.787859	0.016435	0.007941 0.093860
## 2845	17.166758	0.017877	0.011921 0.079609
## 2846	1.437932	0.017718	0.011484 0.080386
## 2847	3.498315	0.016793	0.008892 0.093182
## 2848	5.148965	0.018019	0.009613 0.104941
## 2849	14.935712	0.017245	0.009325 0.109161
## 2850	12.722243	0.018259	0.010279 0.098021
## 2851	19.738457	0.016026	0.009689 0.105179
## 2852	36.642269	0.016787	0.010251 0.086397
## 2853	21.395487	0.019093	0.009056 0.098047
## 2854	14.516795	0.018152	0.012931 0.088500
## 2855	2.161243	0.016340	0.011384 0.083449
## 2856	9.094545	0.015555	0.007884 0.090500
## 2857	14.566336	0.017531	0.009068 0.108803
## 2858	15.425847	0.020754	0.011740 0.099219
## 2859	7.293045	0.013192	0.008606 0.127121
## 2860	17.764826	0.020027	0.012128 0.080795
## 2861	2.681136	0.015731	0.008768 0.076389
## 2862	8.296942	0.016615	0.009554 0.102114
## 2863	8.113468	0.023913	0.009325 0.093188
## 2864	13.814308	0.021476	0.008652 0.071914
## 2865	11.209484	0.018563	0.009171 0.066328
## 2866	0.513704	0.020095	0.009480 0.070099
## 2867	10.507885	0.018006	0.011258 0.102643
## 2868	3.828881	0.014351	0.010026 0.114430
## 2869	3.173050	0.015690	0.010813 0.125977
## 2870	3.579952	0.016933	0.010675 0.134629
## 2871	7.365177	0.018100	0.011101 0.127868
## 2872	5.817869	0.014053	0.009810 0.114167
## 2873	1.958811	0.015382	0.010667 0.117208
## 2874	2.050133	0.016998	0.011697 0.107829
## 2875	14.293797	0.018070	0.012564 0.121625
## 2876	2.087044	0.016677	0.012165 0.114263
## 2877	4.427702	0.015994	0.011599 0.126328
## 2878	12.588134	0.016833	0.012046 0.128637
## 2879	24.449659	0.014644	0.011917 0.109000
## 2880	10.105315	0.015836	0.011810 0.136569
## 2881	12.047779	0.013369	0.011577 0.113625
## 2882	6.050500	0.016788	0.013694 0.121779
## 2883	5.334085	0.013588	0.011996 0.120590
## 2884	12.486586	0.014215	0.011335 0.133594

## 2885	6.593553	0.016799	0.013437 0.103000
## 2886	22.040646	0.014368	0.010903 0.095875
## 2887	9.972426	0.015550	0.008812 0.135376
## 2888	2.876056	0.017565	0.011336 0.116653
## 2889	1.354918	0.014835	0.012408 0.133890
## 2890	0.766455	0.017350	0.012066 0.105670
## 2891	6.207025	0.016938	0.013381 0.105517
## 2892	5.091580	0.007639	0.009567 0.091580
## 2893	5.313521	0.017188	0.012020 0.116185
## 2894	4.300633	0.015948	0.011546 0.112777
## 2895	2.327919	0.017069	0.011673 0.119352
## 2896	2.272703	0.013397	0.010777 0.125102
## 2897	6.030020	0.014152	0.011755 0.100998
## 2898	4.418867	0.013625	0.010737 0.118359
## 2899	3.886928	0.015120	0.013163 0.111790
## 2900	3.085196	0.013697	0.012352 0.113557
## 2901	9.467677	0.014336	0.013809 0.105692
## 2902	5.616609	0.013873	0.011111 0.106906
## 2903	18.766644	0.011176	0.013635 0.085625
## 2904	8.776654	0.010101	0.009526 0.133803
## 2905	2.178582	0.012445	0.010118 0.136011
## 2906	6.394186	0.015456	0.011387 0.132148
## 2907	5.646154	0.011325	0.007933 0.167233
## 2908	4.934626	0.013978	0.009123 0.125735
## 2909	8.464516	0.011537	0.009872 0.125318
## 2910	1.739190	0.012606	0.009759 0.120665
## 2911	5.662028	0.012054	0.009908 0.133302
## 2912	1.148083	0.009872	0.009843 0.135019
## 2913	2.777596	0.015273	0.011271 0.143638
## 2914	7.622309	0.013486	0.011642 0.120483
## 2915	5.534063	0.013621	0.008730 0.107212
## 2916	4.877887	0.012342	0.011807 0.115726
## 2917	5.539340	0.012795	0.011487 0.103860
## 2918	5.432486	0.014850	0.010032 0.117210
## 2919	8.226076	0.013257	0.012942 0.124733
## 2920	4.139234	0.017445	0.013005 0.110864
## 2921	6.445649	0.015139	0.011859 0.121256
## 2922	4.068905	0.013916	0.011347 0.120871
## 2923	1.554049	0.015776	0.013113 0.114624
## 2924	3.797820	0.013406	0.012173 0.111486
## 2925	1.615231	0.015310	0.011293 0.121358
## 2926	20.930195	0.015099	0.010312 0.121809
## 2927	1.183999	0.015360	0.009759 0.113211
## 2928	3.219185	0.014751	0.009896 0.122297
## 2929	1.039802	0.013270	0.009704 0.111543
## 2930	3.310241	0.016765	0.009938 0.104722
## 2931	11.176305	0.017540	0.011780 0.105828
## 2932	0.260525	0.014247	0.011493 0.094901
## 2933	3.117630	0.014819	0.010424 0.121136
## 2934	3.988427	0.015581	0.010348 0.124051
## 2935	0.778913	0.014779	0.011614 0.135572
## 2936	3.383461	0.017402	0.012267 0.123849
## 2937	31.343510	0.014665	0.013940 0.112382
## 2938	1.908349	0.012109	0.011662 0.116399

## 2939	1.183380	0.017262	0.012598 0.125000
## 2940	1.937674	0.014648	0.012395 0.121698
## 2941	4.225204	0.016557	0.012507 0.125370
## 2942	2.692148	0.016659	0.012089 0.112689
## 2943	2.349726	0.003383	0.008034 0.071134
## 2944	2.899795	0.012150	0.011192 0.123376
## 2945	2.229830	0.014737	0.013822 0.108409
## 2946	2.538577	0.015252	0.012797 0.114790
## 2947	2.596991	0.013206	0.011561 0.140404
## 2948	2.324601	0.015454	0.011516 0.125161
## 2949	4.129010	0.018433	0.011517 0.099671
## 2950	18.535358	0.015951	0.012701 0.116380
## 2951	1.411761	0.007286	0.009885 0.108813
## 2952	1.192925	0.015840	0.011921 0.122131
## 2953	1.566173	0.011047	0.011145 0.096429
## 2954	1.480698	0.015874	0.013791 0.110141
## 2955	0.569142	0.015570	0.010721 0.124606
## 2956	0.892917	0.014864	0.010727 0.126462
## 2957	1.348489	0.013378	0.011229 0.121891
## 2958	2.468009	0.014023	0.011537 0.098902
## 2959	1.267472	0.013396	0.010255 0.131687
## 2960	0.912671	0.013454	0.011045 0.143104
## 2961	4.633923	0.011936	0.010824 0.151121
## 2962	12.146688	0.010792	0.010467 0.128664
## 2963	1.448997	0.011593	0.010000 0.135016
## 2964	23.737862	0.004421	0.006437 0.163625
## 2965	10.486359	0.009568	0.009912 0.160333
## 2966	8.692183	0.011820	0.010200 0.154960
## 2967	1.233514	0.012606	0.010176 0.157146
## 2968	1.277890	0.012021	0.010503 0.143675
## 2969	3.292363	0.012789	0.009511 0.141122
## 2970	3.423203	0.011549	0.009018 0.137655
## 2971	2.299390	0.013702	0.010495 0.126989
## 2972	1.138065	0.012323	0.010933 0.145446
## 2973	1.659360	0.010484	0.010165 0.159152
## 2974	1.574359	0.012006	0.010102 0.130529
## 2975	2.219395	0.010804	0.008877 0.134707
## 2976	2.898273	0.012699	0.010208 0.125303
## 2977	1.440197	0.011797	0.010077 0.144496
## 2978	1.727810	0.009665	0.009601 0.141764
## 2979	3.012196	0.012321	0.010205 0.132991
## 2980	1.599643	0.010308	0.010376 0.141000
## 2981	1.473713	0.012877	0.010768 0.132197
## 2982	2.628902	0.012385	0.010631 0.132777
## 2983	0.633408	0.016061	0.011338 0.120136
## 2984	3.145110	0.011247	0.010057 0.155678
## 2985	2.040423	0.012250	0.009601 0.206470
## 2986	3.867151	0.013050	0.010256 0.200042
## 2987	3.680048	0.012122	0.010429 0.184594
## 2988	7.311719	0.011330	0.010128 0.168300
## 2989	10.485379	0.012462	0.010136 0.162500
## 2990	3.707325	0.012861	0.010517 0.174899
## 2991	6.618767	0.003380	0.001415 0.061266
## 2992	1.037064	0.011137	0.010461 0.149774

## 2993	0.750746	0.013354	0.010147 0.127596
## 2994	1.113137	0.015555	0.010711 0.121005
## 2995	5.048240	0.017563	0.009940 0.119555
## 2996	5.436531	0.016146	0.009649 0.123286
## 2997	13.341357	0.009257	0.005833 0.123500
## 2998	26.279350	0.028229	0.016135 0.047804
## 2999	3.345186	0.016155	0.015344 0.059436
## 3000	3.407403	0.023705	0.006454 0.105321
## 3001	5.082497	0.020324	0.008311 0.094531
## 3002	4.625061	0.020069	0.007061 0.077287
## 3003	4.831714	0.018729	0.006651 0.083750
## 3004	2.520495	0.018369	0.005267 0.098711
## 3005	5.354830	0.018913	0.006631 0.085577
## 3006	15.215058	0.017821	0.006575 0.096926
## 3007	12.501282	0.015707	0.010212 0.084180
## 3008	4.607183	0.021290	0.011060 0.060250
## 3009	12.579789	0.016855	0.008423 0.113358
## 3010	20.933119	0.016944	0.010893 0.095349
## 3011	3.325665	0.018574	0.009161 0.079659
## 3012	10.449848	0.020448	0.010787 0.068642
## 3013	13.481487	0.011335	0.013712 0.059375
## 3014	14.450008	0.020172	0.009595 0.109109
## 3015	0.458977	0.019939	0.009450 0.087162
## 3016	4.611818	0.019696	0.009186 0.083409
## 3017	5.252721	0.017221	0.010839 0.074107
## 3018	2.431042	0.016261	0.009598 0.068250
## 3019	2.572464	0.018944	0.007657 0.083678
## 3020	1.082960	0.018873	0.008622 0.084323
## 3021	0.193801	0.016895	0.009338 0.087784
## 3022	4.893946	0.018193	0.010426 0.093000
## 3023	8.259628	0.014835	0.009116 0.087500
## 3024	17.864689	0.015298	0.009992 0.082375
## 3025	4.741157	0.017861	0.009482 0.102453
## 3026	13.361727	0.021545	0.010015 0.080842
## 3027	16.119089	0.016317	0.007561 0.076042
## 3028	5.700327	0.016635	0.012293 0.105345
## 3029	7.667747	0.015718	0.010520 0.102689
## 3030	5.981515	0.016997	0.011209 0.099844
## 3031	3.998769	0.018022	0.010660 0.105382
## 3032	6.270653	0.016642	0.010953 0.113770
## 3033	6.393868	0.018028	0.009794 0.117708
## 3034	2.166258	0.018095	0.009516 0.117253
## 3035	2.158096	0.018602	0.012978 0.093605
## 3036	10.438965	0.014503	0.007849 0.095288
## 3037	3.541461	0.016278	0.010953 0.116161
## 3038	6.832512	0.015305	0.011719 0.107188
## 3039	2.259962	0.017372	0.010014 0.100379
## 3040	6.906762	0.016044	0.012515 0.096429
## 3041	8.773676	0.012769	0.013650 0.077875
## 3042	1.923190	0.017562	0.011460 0.100822
## 3043	8.882650	0.018538	0.013673 0.092188
## 3044	25.877234	0.018267	0.010649 0.123750
## 3045	4.326420	0.010916	0.008914 0.117330
## 3046	1.366569	0.020669	0.012840 0.113636

## 3047	3.960508	0.017928	0.011103 0.109132
## 3048	3.904372	0.016171	0.007695 0.132701
## 3049	10.974628	0.018953	0.009269 0.116036
## 3050	5.995892	0.023433	0.018933 0.079640
## 3051	2.963870	0.022094	0.010708 0.053221
## 3052	5.012569	0.015271	0.008460 0.078958
## 3053	2.643682	0.021808	0.012046 0.066038
## 3054	5.076539	0.018933	0.010000 0.076563
## 3055	8.855999	0.019373	0.008966 0.069131
## 3056	5.378414	0.022788	0.008407 0.063071
## 3057	16.254200	0.026087	0.011974 0.031027
## 3058	4.648935	0.022803	0.009649 0.042685
## 3059	5.792958	0.017911	0.007093 0.065121
## 3060	10.135421	0.019437	0.009953 0.084681
## 3061	4.545246	0.019162	0.008880 0.076420
## 3062	6.080068	0.019388	0.008119 0.087228
## 3063	4.530357	0.021435	0.009502 0.090816
## 3064	12.554396	0.017268	0.009650 0.098918
## 3065	9.107281	0.015433	0.007632 0.082227
## 3066	8.338773	0.020269	0.007913 0.088542
## 3067	6.610898	0.019385	0.010562 0.083437
## 3068	15.430892	0.020618	0.008895 0.074386
## 3069	4.688327	0.022442	0.009071 0.046951
## 3070	5.697485	0.023052	0.007795 0.062247
## 3071	10.206671	0.020954	0.008198 0.098220
## 3072	0.968153	0.018826	0.009046 0.118365
## 3073	0.737238	0.018636	0.009823 0.100618
## 3074	1.329544	0.019336	0.008285 0.090079
## 3075	3.239500	0.019590	0.007652 0.096071
## 3076	3.835471	0.019768	0.010259 0.101632
## 3077	7.210487	0.017142	0.010715 0.112716
## 3078	1.792698	0.016966	0.011597 0.088984
## 3079	0.284793	0.017975	0.011504 0.080534
## 3080	3.502492	0.016062	0.010423 0.096638
## 3081	3.672298	0.019470	0.011760 0.094003
## 3082	1.715192	0.017325	0.013083 0.110666
## 3083	4.445274	0.016083	0.010037 0.120011
## 3084	10.889935	0.015403	0.009047 0.138685
## 3085	1.293883	0.015286	0.011970 0.107853
## 3086	22.379911	0.015054	0.011167 0.116250
## 3087	9.306232	0.007048	0.005067 0.088958
## 3088	7.324053	0.013106	0.012378 0.125000
## 3089	2.110233	0.018573	0.011231 0.139618
## 3090	3.707674	0.015836	0.012399 0.125567
## 3091	6.508376	0.014720	0.011483 0.114257
## 3092	1.142767	0.014823	0.011240 0.118398
## 3093	2.688155	0.017524	0.011649 0.122435
## 3094	4.781695	0.015212	0.011269 0.112874
## 3095	5.915437	0.017403	0.011127 0.120927
## 3096	5.300541	0.015592	0.011856 0.103114
## 3097	9.789745	0.007480	0.010682 0.093750
## 3098	2.440249	0.017481	0.011016 0.092739
## 3099	7.222850	0.017868	0.012638 0.098577
## 3100	0.808950	0.013507	0.011513 0.107788

## 3101	0.822283	0.014088	0.011885 0.103824
## 3102	6.578491	0.014987	0.012082 0.098560
## 3103	5.799838	0.015269	0.011506 0.094464
## 3104	1.121447	0.014864	0.010853 0.117550
## 3105	2.137854	0.017879	0.012531 0.097052
## 3106	3.535569	0.014755	0.011828 0.099599
## 3107	1.937142	0.009052	0.009488 0.083178
## 3108	4.738005	0.015840	0.013443 0.121125
## 3109	3.512746	0.015321	0.011801 0.121867
## 3110	1.595654	0.015306	0.011050 0.117316
## 3111	2.264689	0.012542	0.011536 0.107568
## 3112	3.974059	0.016817	0.011288 0.113245
## 3113	6.163296	0.017059	0.012609 0.117727
## 3114	4.004745	0.013846	0.010811 0.109663
## 3115	1.130354	0.017843	0.011516 0.108176
## 3116	1.568135	0.018225	0.011882 0.108337
## 3117	7.866461	0.018934	0.011560 0.092981
## 3118	0.712461	0.018049	0.011649 0.106694
## 3119	2.184095	0.007932	0.008708 0.083841
## 3120	0.800112	0.018466	0.010078 0.128385
## 3121	20.524754	0.009438	0.011443 0.078750
## 3122	24.156921	0.016265	0.012630 0.108065
## 3123	4.668899	0.016499	0.009308 0.106681
## 3124	11.944356	0.021308	0.017405 0.065774
## 3125	10.693899	0.007419	0.010176 0.073996
## 3126	17.512894	0.021340	0.010370 0.122385
## 3127	3.630805	0.017322	0.010604 0.095797
## 3128	3.946185	0.021366	0.009421 0.092339
## 3129	6.035055	0.018958	0.008860 0.100000
## 3130	4.121729	0.018731	0.007713 0.097817
## 3131	12.385775	0.017523	0.009412 0.092898
## 3132	8.472524	0.015522	0.009349 0.085250
## 3133	11.572216	0.016155	0.009819 0.078125
## 3134	2.404826	0.017434	0.010965 0.086458
## 3135	9.266128	0.012457	0.011299 0.102729
## 3136	10.594778	0.013482	0.010348 0.137375
## 3137	13.292493	0.012869	0.007580 0.132187
## 3138	18.665550	0.016523	0.008979 0.128375
## 3139	14.916683	0.013856	0.008448 0.152225
## 3140	4.582537	0.012384	0.006428 0.167969
## 3141	12.089432	0.016188	0.009516 0.135811
## 3142	17.556973	0.023557	0.010332 0.084018
## 3143	14.287023	0.022102	0.008994 0.092316
## 3144	5.674132	0.021226	0.009012 0.076017
## 3145	7.886943	0.021350	0.009430 0.078557
## 3146	4.813457	0.019576	0.006576 0.119713
## 3147	3.959698	0.014542	0.008809 0.108472
## 3148	4.223304	0.016754	0.008632 0.117472
## 3149	2.920680	0.019838	0.009906 0.103814
## 3150	3.535155	0.018899	0.008712 0.115321
## 3151	0.996374	0.019940	0.008542 0.095270
## 3152	3.091805	0.022244	0.007556 0.089661
## 3153	5.161349	0.019221	0.007763 0.084805
## 3154	1.215676	0.017633	0.008683 0.124777

## 3155	4.593162	0.018634	0.007330 0.113318
## 3156	0.932616	0.020751	0.007628 0.105826
## 3157	7.001294	0.015178	0.009618 0.087000
## 3158	10.441339	0.021256	0.007006 0.098260
## 3159	0.819596	0.018522	0.004869 0.079416
## 3160	0.979656	0.018436	0.004768 0.093082
## 3161	1.393629	0.017884	0.005538 0.098655
## 3162	37.081158	0.016111	0.008100 0.079125
## 3163	14.658067	0.016000	0.006230 0.098359
## 3164	12.100831	0.015138	0.007387 0.078250
## 3165	13.738177	0.016502	0.006693 0.077134
## 3166	5.554100	0.012405	0.007416 0.085750
## 3167	7.739266	0.002267	0.002183 0.051491
## 3168	23.134678	0.019651	0.009005 0.078983
## 3169	13.408475	0.015606	0.006909 0.080119
## 3170	1.979683	0.018618	0.008360 0.060724
## 3171	2.748932	0.010896	0.006541 0.073611
## 3172	10.914124	0.015263	0.004668 0.153223
## 3173	4.160808	0.018078	0.007837 0.106452
## 3174	2.533255	0.016119	0.008315 0.115086
## 3175	3.305659	0.017235	0.009724 0.092045
## 3176	3.262591	0.017257	0.008060 0.096577
## 3177	1.768272	0.019060	0.007510 0.095521
## 3178	5.542150	0.018812	0.007307 0.087192
## 3179	4.099272	0.019703	0.007169 0.085227
## 3180	19.999245	0.017388	0.008141 0.071875
## 3181	37.349621	0.017999	0.007838 0.078860
## 3182	21.888611	0.018395	0.007472 0.083594
## 3183	14.736145	0.017786	0.009470 0.084625
## 3184	2.139055	0.020138	0.009598 0.063504
## 3185	12.413946	0.022174	0.010906 0.034750
## 3186	13.923717	0.013990	0.007932 0.121219
## 3187	15.570113	0.019226	0.011044 0.117308
## 3188	6.753765	0.022929	0.010862 0.070759
## 3189	17.812065	0.021411	0.007902 0.083068
## 3190	2.835996	0.020340	0.010913 0.073003
## 3191	8.481867	0.021195	0.007896 0.074173
## 3192	8.232378	0.015904	0.011255 0.118817
## 3193	17.491106	0.012238	0.012894 0.105072
## 3194	11.820549	0.022107	0.010637 0.075847
## 3195	1.118599	0.020280	0.008904 0.075601
## 3196	0.979299	0.014063	0.011166 0.095799
## 3197	8.459862	0.015919	0.011070 0.129661
## 3198	10.360408	0.017266	0.012203 0.116956
## 3199	0.663002	0.014493	0.011843 0.116609
## 3200	4.263690	0.009533	0.010993 0.137355
## 3201	16.730104	0.016528	0.012079 0.141710
## 3202	2.595214	0.012290	0.011950 0.120615
## 3203	1.596103	0.011094	0.011063 0.102101
## 3204	1.978878	0.008270	0.011126 0.085682
## 3205	2.118866	0.018824	0.012846 0.123098
## 3206	2.781780	0.013918	0.011786 0.109707
## 3207	3.261198	0.011432	0.009402 0.094716
## 3208	13.703864	0.013763	0.012494 0.089375

## 3209	7.742887	0.014823	0.011876 0.108076
## 3210	2.983927	0.013065	0.011276 0.096472
## 3211	2.471256	0.013556	0.006886 0.115813
## 3212	3.036375	0.020148	0.009561 0.102358
## 3213	2.247947	0.017368	0.010537 0.098280
## 3214	6.948884	0.016102	0.010597 0.109491
## 3215	1.880745	0.017655	0.013079 0.085640
## 3216	3.516941	0.015627	0.012671 0.089318
## 3217	9.653063	0.017782	0.010558 0.104704
## 3218	11.864205	0.017339	0.012717 0.087750
## 3219	13.456602	0.012550	0.010359 0.100375
## 3220	5.420580	0.019115	0.012024 0.109878
## 3221	6.344596	0.014592	0.011512 0.180893
## 3222	4.837999	0.018844	0.012263 0.117470
## 3223	1.122906	0.020137	0.010782 0.101679
## 3224	5.026579	0.015609	0.012128 0.108992
## 3225	4.881166	0.019469	0.013139 0.099375
## 3226	1.221000	0.017035	0.011195 0.096947
## 3227	2.230923	0.017333	0.010504 0.111349
## 3228	1.490252	0.018143	0.010004 0.106891
## 3229	1.829202	0.019045	0.010481 0.105392
## 3230	1.240756	0.017312	0.010347 0.104914
## 3231	1.367608	0.016862	0.010041 0.107725
## 3232	1.033565	0.017328	0.010397 0.105530
## 3233	0.972981	0.016450	0.011402 0.095040
## 3234	1.565107	0.018316	0.010479 0.100345
## 3235	0.793316	0.018762	0.011712 0.088065
## 3236	1.565160	0.011966	0.010915 0.134958
## 3237	2.866318	0.010307	0.009760 0.171201
## 3238	2.567686	0.012148	0.010289 0.176015
## 3239	3.899784	0.012113	0.010603 0.165271
## 3240	6.752713	0.010732	0.010500 0.176423
## 3241	10.778388	0.010018	0.011431 0.169271
## 3242	0.681189	0.011114	0.010490 0.154061
## 3243	3.258899	0.010961	0.010631 0.172276
## 3244	5.548260	0.007419	0.010094 0.126172
## 3245	0.967794	0.012688	0.010664 0.159419
## 3246	2.163536	0.012390	0.010758 0.150349
## 3247	2.594994	0.014162	0.011654 0.138997
## 3248	3.100685	0.018898	0.012308 0.095093
## 3249	2.044945	0.016046	0.010322 0.105155
## 3250	1.135206	0.016975	0.013270 0.118354
## 3251	0.968825	0.016090	0.010469 0.110829
## 3252	2.106770	0.019409	0.011477 0.099309
## 3253	5.415547	0.017420	0.014029 0.092721
## 3254	5.540102	0.015528	0.013452 0.089347
## 3255	0.652892	0.017903	0.013685 0.086409
## 3256	2.220010	0.015931	0.013305 0.087798
## 3257	1.324361	0.016202	0.013304 0.094732
## 3258	3.979042	0.018252	0.013581 0.081519
## 3259	6.982462	0.016862	0.012889 0.095404
## 3260	2.206192	0.017905	0.012399 0.090228
## 3261	0.992850	0.018775	0.012528 0.100483
## 3262	1.898454	0.016348	0.011995 0.089146

## 3263	2.619003	0.018838	0.013368 0.084480
## 3264	2.035821	0.017555	0.012987 0.093588
## 3265	1.286783	0.017574	0.013632 0.085485
## 3266	3.383106	0.019127	0.013627 0.078208
## 3267	1.785630	0.017111	0.013670 0.096482
## 3268	1.754977	0.017374	0.011569 0.093992
## 3269	1.541849	0.020033	0.011757 0.094340
## 3270	4.140550	0.018476	0.011734 0.087861
## 3271	10.896065	0.012277	0.012134 0.091424
## 3272	4.064233	0.005940	0.007821 0.080787
## 3273	2.685601	0.012006	0.011311 0.111319
## 3274	1.693257	0.016886	0.013370 0.090142
## 3275	1.736147	0.016625	0.013921 0.092423
## 3276	2.913415	0.021645	0.012987 0.095269
## 3277	0.599178	0.016987	0.011559 0.088183
## 3278	1.444872	0.018301	0.012329 0.098200
## 3279	1.445571	0.015983	0.012135 0.091578
## 3280	1.087850	0.019213	0.013486 0.101415
## 3281	1.005601	0.017392	0.013431 0.093862
## 3282	0.998209	0.017515	0.014055 0.078356
## 3283	0.728351	0.012001	0.010677 0.072697
## 3284	1.124573	0.014591	0.013765 0.073365
## 3285	1.080140	0.011729	0.011519 0.087355
## 3286	4.433129	0.015859	0.011405 0.116064
## 3287	4.586829	0.017051	0.012601 0.097739
## 3288	0.952993	0.016389	0.012969 0.079202
## 3289	0.765500	0.017267	0.013484 0.084579
## 3290	7.282269	0.017346	0.013314 0.097381
## 3291	1.906881	0.017720	0.012074 0.084143
## 3292	1.781080	0.015648	0.012384 0.073633
## 3293	0.991564	0.013425	0.009743 0.169378
## 3294	1.324550	0.006998	0.007424 0.104561
## 3295	1.622310	0.018053	0.010609 0.112117
## 3296	0.804969	0.013118	0.010876 0.132222
## 3297	2.703765	0.014393	0.009478 0.115865
## 3298	1.948913	0.014670	0.012253 0.126562
## 3299	2.123237	0.015405	0.009906 0.147347
## 3300	1.378335	0.018917	0.010843 0.126594
## 3301	2.208596	0.018841	0.011616 0.093944
## 3302	2.177111	0.018656	0.011983 0.093063
## 3303	0.725924	0.019999	0.011508 0.106232
## 3304	2.656817	0.016084	0.010792 0.109094
## 3305	2.741513	0.016246	0.010979 0.115968
## 3306	1.033961	0.018976	0.011414 0.096139
## 3307	1.121599	0.014450	0.010557 0.105339
## 3308	1.375379	0.016735	0.009445 0.132880
## 3309	4.497858	0.018227	0.011814 0.104058
## 3310	6.617771	0.018561	0.010618 0.115064
## 3311	9.213983	0.019047	0.011029 0.092083
## 3312	8.601903	0.016884	0.010127 0.118818
## 3313	16.132029	0.013983	0.013003 0.098500
## 3314	3.423400	0.014411	0.011004 0.116146
## 3315	14.742819	0.010783	0.008665 0.080500
## 3316	4.577820	0.008176	0.005488 0.069125

## 3317	10.167118	0.021702	0.009575 0.077598
## 3318	4.375132	0.019618	0.008959 0.096875
## 3319	2.166996	0.010040	0.013705 0.093750
## 3320	2.415043	0.021897	0.011648 0.098333
## 3321	14.244223	0.017142	0.008894 0.160250
## 3322	3.691879	0.012355	0.008024 0.057639
## 3323	1.367356	0.016632	0.007949 0.143527
## 3324	2.764512	0.020840	0.011770 0.083854
## 3325	10.041109	0.014706	0.011747 0.093672
## 3326	16.350105	0.017730	0.013760 0.063108
## 3327	3.490148	0.011782	0.009218 0.088362
## 3328	1.951627	0.017134	0.011785 0.108394
## 3329	2.567588	0.015854	0.010320 0.096875
## 3330	1.402770	0.016210	0.010910 0.089728
## 3331	7.145919	0.011021	0.013877 0.094500
## 3332	1.963578	0.014694	0.011926 0.126624
## 3333	2.535714	0.011345	0.011250 0.115015
## 3334	2.714414	0.011439	0.009058 0.123564
## 3335	3.096426	0.013094	0.011816 0.113423
## 3336	1.432465	0.012652	0.009655 0.114606
## 3337	1.768856	0.010758	0.011124 0.127381
## 3338	2.024664	0.017595	0.012322 0.121173
## 3339	2.007701	0.013519	0.014076 0.119792
## 3340	60.366699	0.012897	0.011707 0.135875
## 3341	1.997275	0.011449	0.009713 0.099250
## 3342	1.590167	0.015347	0.012675 0.121662
## 3343	3.159739	0.021998	0.009592 0.094440
## 3344	1.302570	0.020814	0.007384 0.096446
## 3345	0.296943	0.021619	0.008876 0.088247
## 3346	35.817791	0.020168	0.008921 0.099632
## 3347	19.159908	0.015990	0.007676 0.052625
## 3348	11.217757	0.021236	0.008183 0.086619
## 3349	7.098229	0.018933	0.009830 0.090750
## 3350	7.866755	0.014105	0.006692 0.056625
## 3351	7.576045	0.019801	0.008691 0.140262
## 3352	23.057169	0.016866	0.008645 0.088297
## 3353	12.835022	0.013672	0.008005 0.130750
## 3354	15.511676	0.021467	0.009882 0.084375
## 3355	16.969582	0.016224	0.008313 0.059255
## 3356	1.714387	0.018664	0.009458 0.062500
## 3357	4.434664	0.015672	0.006944 0.077307
## 3358	3.019355	0.016440	0.005923 0.077072
## 3359	4.301378	0.017073	0.009965 0.060565
## 3360	9.809654	0.018581	0.009134 0.116197
## 3361	7.324478	0.010529	0.006763 0.115833
## 3362	11.468625	0.015028	0.007856 0.100391
## 3363	4.354856	0.015985	0.007743 0.119178
## 3364	17.223274	0.010557	0.008352 0.104000
## 3365	3.792962	0.016800	0.008915 0.113281
## 3366	5.842283	0.020799	0.009157 0.108964
## 3367	7.657709	0.014544	0.008458 0.111435
## 3368	4.571950	0.017225	0.007801 0.109810
## 3369	4.206388	0.013852	0.007269 0.098920
## 3370	3.778658	0.018160	0.010785 0.091331

## 3371	6.495155	0.019057	0.009650 0.116464
## 3372	1.066723	0.017582	0.011051 0.106086
## 3373	3.119081	0.017920	0.010883 0.101420
## 3374	10.367177	0.015397	0.010831 0.123689
## 3375	3.851073	0.016889	0.009855 0.110035
## 3376	5.270613	0.017642	0.009780 0.099792
## 3377	3.183839	0.015913	0.010910 0.095739
## 3378	3.070956	0.015944	0.011020 0.112946
## 3379	10.742857	0.011509	0.009123 0.094500
## 3380	1.889052	0.020432	0.010494 0.110642
## 3381	8.661587	0.014071	0.008426 0.099279
## 3382	24.941595	0.022516	0.015086 0.090625
## 3383	4.234795	0.015060	0.008754 0.089418
## 3384	1.383647	0.016694	0.009964 0.100474
## 3385	4.530090	0.016116	0.010657 0.114595
## 3386	2.418937	0.016484	0.010295 0.104018
## 3387	13.132030	0.018698	0.011884 0.109088
## 3388	1.151651	0.016758	0.011466 0.125888
## 3389	0.531394	0.012938	0.009448 0.091918
## 3390	1.827900	0.018488	0.010257 0.122560
## 3391	1.144546	0.020410	0.011931 0.118695
## 3392	3.541653	0.029071	0.010058 0.078233
## 3393	4.141942	0.024987	0.010566 0.074517
## 3394	7.389631	0.016525	0.009411 0.067625
## 3395	0.405345	0.015888	0.006523 0.118714
## 3396	7.751803	0.017359	0.010780 0.073500
## 3397	3.731793	0.019173	0.008614 0.096447
## 3398	9.280841	0.022737	0.012389 0.069000
## 3399	8.084492	0.016480	0.010192 0.087625
## 3400	4.469786	0.018101	0.009384 0.105751
## 3401	2.326798	0.010368	0.014451 0.087036
## 3402	0.619860	0.014025	0.010312 0.133270
## 3403	1.482843	0.016379	0.011578 0.111574
## 3404	3.555420	0.016133	0.011030 0.103425
## 3405	4.137573	0.017508	0.010946 0.109965
## 3406	1.130339	0.017554	0.010682 0.101067
## 3407	8.601087	0.012267	0.012814 0.081250
## 3408	4.970606	0.017801	0.011748 0.115893
## 3409	5.619978	0.016804	0.011213 0.098281
## 3410	0.782384	0.018357	0.010432 0.101731
## 3411	2.362412	0.018209	0.010623 0.124279
## 3412	3.340805	0.019042	0.010961 0.111549
## 3413	0.838827	0.014425	0.012467 0.104258
## 3414	0.919558	0.015620	0.012357 0.119519
## 3415	0.982502	0.013236	0.011725 0.115600
## 3416	1.381457	0.016636	0.011056 0.117413
## 3417	1.413277	0.016573	0.011022 0.117520
## 3418	2.344576	0.018364	0.011795 0.098319
## 3419	0.912474	0.016957	0.011397 0.094481
## 3420	1.501482	0.018230	0.011787 0.088025
## 3421	1.373626	0.013030	0.012237 0.083067
## 3422	1.059945	0.015720	0.012943 0.088509
## 3423	2.030695	0.014491	0.012650 0.110029
## 3424	2.987083	0.014287	0.012641 0.115759

## 3425	2.535792	0.014743	0.011392 0.129661
## 3426	1.859082	0.018556	0.011372 0.097849
## 3427	0.908408	0.018650	0.011907 0.091268
## 3428	1.362629	0.017742	0.011780 0.092496
## 3429	2.882877	0.017495	0.012130 0.084273
## 3430	3.808170	0.016637	0.011010 0.091549
## 3431	4.165394	0.014499	0.012977 0.084968
## 3432	3.524839	0.017157	0.012618 0.101140
## 3433	1.697779	0.016991	0.013118 0.097935
## 3434	10.643209	0.013457	0.013433 0.075551
## 3435	2.010124	0.012755	0.012500 0.104643
## 3436	1.867898	0.015917	0.013401 0.114435
## 3437	1.431420	0.008678	0.009737 0.109375
## 3438	1.531904	0.017101	0.012530 0.091946
## 3439	5.040843	0.016297	0.012279 0.107924
## 3440	0.666981	0.017691	0.011790 0.098560
## 3441	1.606284	0.016556	0.012197 0.096920
## 3442	2.980219	0.013878	0.011273 0.085635
## 3443	0.732292	0.019659	0.011510 0.095174
## 3444	1.975003	0.017043	0.012299 0.085669
## 3445	1.347713	0.017542	0.010420 0.100604
## 3446	3.547485	0.018804	0.013012 0.053289
## 3447	1.669729	0.016362	0.012422 0.100705
## 3448	6.059590	0.015349	0.011880 0.090378
## 3449	9.736313	0.014304	0.011287 0.087179
## 3450	1.645587	0.004958	0.005937 0.061775
## 3451	11.124408	0.019952	0.014223 0.076375
## 3452	16.756182	0.010793	0.008714 0.108594
## 3453	4.609564	0.022007	0.010610 0.092480
## 3454	5.892000	0.015092	0.011271 0.174519
## 3455	3.911767	0.016823	0.014365 0.082060
## 3456	0.933009	0.014171	0.011015 0.094355
## 3457	1.080460	0.014742	0.010191 0.104335
## 3458	10.334874	0.011103	0.008878 0.087054
## 3459	9.507914	0.017785	0.011371 0.073500
## 3460	14.163638	0.010363	0.005743 0.067733
## 3461	7.866983	0.021709	0.012156 0.086125
## 3462	9.627975	0.022597	0.011320 0.081250
## 3463	1.120952	0.005055	0.005873 0.087012
## 3464	2.916521	0.032344	0.013958 0.071339
## 3465	1.382682	0.023619	0.008946 0.095579
## 3466	4.345404	0.017993	0.006006 0.106932
## 3467	3.453010	0.019419	0.007019 0.098812
## 3468	0.611613	0.016442	0.004818 0.122175
## 3469	6.413149	0.018921	0.005658 0.111367
## 3470	2.560552	0.016062	0.005872 0.119028
## 3471	2.380775	0.016497	0.005441 0.124944
## 3472	3.239778	0.017424	0.005879 0.120493
## 3473	0.997552	0.016723	0.006420 0.116216
## 3474	0.610780	0.016340	0.005446 0.131798
## 3475	0.973766	0.017549	0.005167 0.118449
## 3476	6.936790	0.015480	0.009531 0.069000
## 3477	3.166514	0.025703	0.013528 0.080500
## 3478	0.965151	0.003896	0.005950 0.070739

## 3479	2.098790	0.015492	0.015024 0.143611
## 3480	2.471055	0.016938	0.013504 0.159206
## 3481	3.929101	0.023445	0.010528 0.106757
## 3482	6.008626	0.019489	0.009778 0.124125
## 3483	0.974680	0.019732	0.007957 0.126270
## 3484	35.959187	0.021096	0.008316 0.126273
## 3485	9.390082	0.017534	0.009179 0.131250
## 3486	14.688618	0.014738	0.013602 0.105750
## 3487	8.357327	0.017239	0.007486 0.122758
## 3488	1.102035	0.017795	0.007652 0.150583
## 3489	2.237200	0.019315	0.008358 0.110000
## 3490	3.054278	0.016208	0.008725 0.092361
## 3491	2.658233	0.015560	0.010392 0.109750
## 3492	2.542699	0.020230	0.008834 0.117123
## 3493	1.097177	0.024113	0.009515 0.106302
## 3494	0.550728	0.017566	0.009666 0.122243
## 3495	5.190525	0.004001	0.007598 0.063750
## 3496	9.314008	0.020708	0.011748 0.078750
## 3497	19.752691	0.016696	0.009570 0.107375
## 3498	3.439289	0.018512	0.009157 0.088995
## 3499	13.353347	0.020662	0.009455 0.077264
## 3500	13.130292	0.017191	0.008670 0.078437
## 3501	13.143680	0.018602	0.007547 0.080605
## 3502	7.339811	0.018851	0.008962 0.080457
## 3503	4.007584	0.019579	0.009074 0.099358
## 3504	1.809330	0.015618	0.009203 0.084591
## 3505	0.919933	0.017065	0.009238 0.077106
## 3506	3.858890	0.017919	0.010633 0.098812
## 3507	1.448014	0.020124	0.009237 0.083133
## 3508	6.868076	0.017418	0.008270 0.098626
## 3509	8.117725	0.017915	0.013726 0.065042
## 3510	7.762212	0.019516	0.009495 0.083698
## 3511	12.824291	0.017905	0.010340 0.108275
## 3512	10.893697	0.019400	0.009831 0.101287
## 3513	0.950176	0.018932	0.009452 0.098770
## 3514	2.338313	0.016115	0.008648 0.100586
## 3515	5.024678	0.021653	0.009075 0.080625
## 3516	5.611763	0.018914	0.009669 0.089396
## 3517	39.410683	0.020431	0.011369 0.087375
## 3518	13.967355	0.012792	0.009592 0.105181
## 3519	13.388820	0.015777	0.008953 0.089875
## 3520	13.644534	0.016876	0.007994 0.090244
## 3521	5.570673	0.019866	0.012855 0.096000
## 3522	7.472808	0.015606	0.008276 0.091761
## 3523	22.956137	0.014460	0.008942 0.093260
## 3524	6.746097	0.015828	0.008299 0.107842
## 3525	3.324873	0.017535	0.009372 0.095101
## 3526	5.083076	0.015224	0.008338 0.098730
## 3527	4.187048	0.016021	0.009556 0.108750
## 3528	4.897087	0.013989	0.007932 0.122758
## 3529	2.540397	0.015402	0.010181 0.082539
## 3530	5.400345	0.018750	0.007699 0.083894
## 3531	15.269938	0.017943	0.007192 0.080686
## 3532	12.061891	0.016179	0.007273 0.065712

## 3533	4.616028	0.025166	0.012273 0.027371
## 3534	8.238911	0.019295	0.011270 0.075632
## 3535	20.783350	0.019507	0.005040 0.100109
## 3536	2.746698	0.019202	0.005882 0.080739
## 3537	10.018063	0.019168	0.005665 0.090077
## 3538	1.747666	0.018075	0.005397 0.094176
## 3539	2.179881	0.018854	0.006805 0.097222
## 3540	10.509052	0.016979	0.008159 0.090430
## 3541	3.210897	0.018238	0.010818 0.087198
## 3542	2.386714	0.016465	0.007153 0.122414
## 3543	3.031697	0.019678	0.011235 0.099811
## 3544	1.764171	0.016497	0.011024 0.091381
## 3545	2.571845	0.017558	0.010375 0.069965
## 3546	6.552981	0.015836	0.004606 0.147352
## 3547	3.991347	0.018550	0.008068 0.114646
## 3548	15.421483	0.017786	0.008447 0.092187
## 3549	14.329790	0.017636	0.008151 0.096824
## 3550	0.576632	0.018539	0.007918 0.094632
## 3551	6.222893	0.018578	0.007681 0.092021
## 3552	5.308303	0.020133	0.006088 0.086573
## 3553	0.974818	0.019763	0.008793 0.090867
## 3554	0.824554	0.008833	0.011936 0.081539
## 3555	0.881024	0.017158	0.014230 0.088095
## 3556	3.872626	0.017192	0.012716 0.106826
## 3557	3.597813	0.017143	0.012372 0.110173
## 3558	0.584132	0.014368	0.011028 0.118914
## 3559	1.214672	0.016884	0.011001 0.106860
## 3560	1.084531	0.015754	0.010204 0.118744
## 3561	2.409804	0.017040	0.012734 0.081815
## 3562	1.216216	0.017249	0.012334 0.061210
## 3563	1.084055	0.016733	0.013385 0.077934
## 3564	1.270256	0.017809	0.012872 0.081560
## 3565	2.849148	0.016733	0.012750 0.086907
## 3566	2.043326	0.017471	0.012623 0.089994
## 3567	2.877206	0.018767	0.011355 0.090644
## 3568	1.807419	0.016722	0.011629 0.090125
## 3569	1.255075	0.013942	0.010843 0.084375
## 3570	1.682541	0.016381	0.011477 0.095412
## 3571	0.437897	0.016993	0.011628 0.091339
## 3572	1.569336	0.015297	0.010966 0.115825
## 3573	3.626823	0.017893	0.013089 0.093718
## 3574	2.092089	0.017608	0.009943 0.095398
## 3575	4.118113	0.016898	0.011318 0.110857
## 3576	1.232045	0.016558	0.011264 0.089472
## 3577	1.424510	0.015641	0.012212 0.102014
## 3578	0.819283	0.015263	0.010695 0.111265
## 3579	1.010558	0.017584	0.013164 0.085252
## 3580	1.456086	0.017900	0.011765 0.098921
## 3581	0.977662	0.019695	0.012006 0.097095
## 3582	1.004555	0.016486	0.011101 0.098180
## 3583	2.209053	0.016519	0.011700 0.111613
## 3584	4.559129	0.015116	0.011389 0.077517
## 3585	1.515850	0.018383	0.011577 0.087835
## 3586	2.565339	0.016283	0.010755 0.097765

## 3587	3.605419	0.017824	0.011274 0.100515
## 3588	0.922540	0.011729	0.008971 0.068750
## 3589	2.313434	0.017496	0.011654 0.077690
## 3590	1.437871	0.017176	0.010368 0.117981
## 3591	0.923845	0.017405	0.011586 0.093011
## 3592	1.291212	0.018829	0.011719 0.080297
## 3593	3.582339	0.016606	0.010691 0.077990
## 3594	5.689782	0.016160	0.011011 0.085507
## 3595	2.159451	0.017060	0.011342 0.092146
## 3596	1.598356	0.016563	0.010629 0.097049
## 3597	4.596248	0.021511	0.011682 0.101994
## 3598	0.934110	0.015331	0.010920 0.089011
## 3599	0.480899	0.018841	0.012688 0.086579
## 3600	0.897031	0.017163	0.010654 0.097104
## 3601	2.704642	0.017929	0.011471 0.113659
## 3602	1.142665	0.015060	0.009282 0.114667
## 3603	0.982174	0.014979	0.010700 0.090770
## 3604	1.464624	0.016587	0.010834 0.091458
## 3605	6.487618	0.019847	0.012847 0.091506
## 3606	10.250092	0.020715	0.013888 0.072461
## 3607	6.686663	0.011687	0.011945 0.069043
## 3608	8.108921	0.018677	0.010879 0.065625
## 3609	11.778773	0.017146	0.012448 0.071875
## 3610	2.506560	0.012221	0.007527 0.066690
## 3611	9.676684	0.018460	0.012335 0.061992
## 3612	10.651212	0.011189	0.009513 0.065875
## 3613	12.663331	0.015477	0.013569 0.069609
## 3614	15.236272	0.009603	0.010379 0.086597
## 3615	2.281151	0.014185	0.012579 0.075240
## 3616	4.281439	0.018731	0.009693 0.145410
## 3617	11.422489	0.010803	0.008439 0.098480
## 3618	18.236853	0.015112	0.009462 0.111786
## 3619	13.238973	0.016920	0.011074 0.096260
## 3620	2.404214	0.017839	0.009528 0.141980
## 3621	19.610777	0.011958	0.005526 0.136750
## 3622	12.411383	0.015065	0.009870 0.150694
## 3623	3.683069	0.016722	0.009171 0.140465
## 3624	10.474881	0.014478	0.007985 0.158611
## 3625	15.919439	0.024047	0.010955 0.089799
## 3626	20.815262	0.018124	0.009030 0.092821
## 3627	36.362843	0.018807	0.009564 0.066820
## 3628	21.545420	0.023273	0.010205 0.095144
## 3629	13.085755	0.016322	0.008902 0.085250
## 3630	1.867527	0.016148	0.008804 0.073495
## 3631	10.933425	0.020968	0.010981 0.078000
## 3632	14.182835	0.018998	0.007566 0.075116
## 3633	16.104107	0.021663	0.010615 0.066046
## 3634	8.919003	0.017609	0.008945 0.072629
## 3635	17.863440	0.011630	0.008513 0.092245
## 3636	3.753344	0.022125	0.010881 0.087331
## 3637	8.599804	0.018906	0.008070 0.103975
## 3638	7.889419	0.017625	0.010395 0.102316
## 3639	12.617956	0.017087	0.010851 0.105750
## 3640	15.347898	0.017046	0.011575 0.108875

## 3641	16.949688	0.023217	0.011365 0.059014
## 3642	1.673751	0.022063	0.008237 0.083785
## 3643	4.403950	0.019995	0.009059 0.059970
## 3644	3.020982	0.020451	0.008388 0.075351
## 3645	4.285745	0.014852	0.010985 0.115923
## 3646	9.784246	0.017436	0.011565 0.103163
## 3647	7.327135	0.013913	0.013738 0.085313
## 3648	11.399336	0.018271	0.013045 0.087835
## 3649	4.353556	0.018623	0.010789 0.090048
## 3650	9.950586	0.017931	0.010561 0.091375
## 3651	8.371261	0.012634	0.006919 0.118750
## 3652	5.881209	0.015678	0.009435 0.082386
## 3653	2.829880	0.015864	0.007870 0.111416
## 3654	2.707729	0.015478	0.009114 0.126181
## 3655	1.449513	0.013016	0.008285 0.108053
## 3656	5.366605	0.021956	0.008655 0.114224
## 3657	8.806906	0.014318	0.007897 0.112729
## 3658	5.356711	0.016646	0.007836 0.112601
## 3659	16.174631	0.013819	0.008294 0.092969
## 3660	4.807815	0.014391	0.007878 0.100208
## 3661	5.296641	0.017572	0.008585 0.102408
## 3662	10.039747	0.024047	0.013738 0.103922
## 3663	4.475526	0.026160	0.009953 0.046236
## 3664	5.684076	0.017574	0.010572 0.063089
## 3665	3.481853	0.019575	0.010454 0.074554
## 3666	12.107348	0.020611	0.015328 0.048375
## 3667	9.069283	0.015005	0.008135 0.080777
## 3668	8.349502	0.019589	0.011165 0.075110
## 3669	4.142332	0.019862	0.008665 0.067347
## 3670	15.394370	0.022391	0.008828 0.058538
## 3671	7.271193	0.021345	0.010515 0.060595
## 3672	6.196320	0.023375	0.008632 0.050379
## 3673	12.286124	0.019907	0.008086 0.074145
## 3674	1.242414	0.019831	0.007631 0.088980
## 3675	0.507140	0.018759	0.009927 0.081681
## 3676	1.809873	0.020463	0.007914 0.096161
## 3677	1.224959	0.020445	0.008431 0.090762
## 3678	3.498778	0.022322	0.008134 0.055280
## 3679	4.160277	0.023400	0.008030 0.062113
## 3680	7.449479	0.021004	0.011318 0.066000
## 3681	0.396253	0.018586	0.007098 0.094864
## 3682	7.665253	0.026742	0.013075 0.081875
## 3683	11.205295	0.023616	0.009087 0.085606
## 3684	1.066370	0.020819	0.008062 0.100036
## 3685	3.080479	0.020523	0.008821 0.113434
## 3686	0.947211	0.018402	0.008039 0.101984
## 3687	1.215185	0.014866	0.008712 0.095281
## 3688	3.900543	0.022733	0.010249 0.101316
## 3689	7.315431	0.017539	0.009863 0.118532
## 3690	3.383894	0.019877	0.009210 0.116797
## 3691	2.585959	0.016459	0.009013 0.110459
## 3692	2.481426	0.019456	0.009029 0.098911
## 3693	1.486601	0.019911	0.007328 0.094638
## 3694	5.920401	0.015054	0.009357 0.098072

## 3695	4.859382	0.018822	0.010809 0.103278
## 3696	4.338263	0.020241	0.011728 0.098514
## 3697	1.681583	0.013943	0.012470 0.102947
## 3698	0.560288	0.015519	0.010866 0.097590
## 3699	1.551391	0.017944	0.010692 0.096737
## 3700	3.009356	0.016056	0.011893 0.104959
## 3701	1.311250	0.016878	0.011677 0.076019
## 3702	0.485409	0.018096	0.012235 0.074920
## 3703	2.969777	0.017555	0.010970 0.067857
## 3704	0.839437	0.010592	0.011379 0.061097
## 3705	1.470450	0.020288	0.014030 0.063117
## 3706	1.295621	0.018598	0.012127 0.073132
## 3707	1.544022	0.018688	0.011441 0.083198
## 3708	2.399276	0.018361	0.011480 0.102396
## 3709	0.978809	0.018229	0.010622 0.108488
## 3710	0.871993	0.016756	0.007866 0.127885
## 3711	2.056611	0.016804	0.009789 0.117931
## 3712	1.968572	0.018615	0.010578 0.116577
## 3713	1.773216	0.016908	0.012106 0.094194
## 3714	4.242198	0.016028	0.011375 0.099833
## 3715	1.277930	0.016329	0.010260 0.115013
## 3716	0.925697	0.017989	0.012309 0.099261
## 3717	1.217770	0.015958	0.012458 0.124466
## 3718	1.689119	0.013859	0.010999 0.100813
## 3719	1.271569	0.017755	0.011714 0.101814
## 3720	1.311836	0.016929	0.011534 0.098813
## 3721	3.452264	0.018095	0.010830 0.090948
## 3722	1.303645	0.020342	0.009750 0.066984
## 3723	1.458578	0.019584	0.011369 0.067983
## 3724	1.194630	0.014583	0.010569 0.083681
## 3725	2.147028	0.018075	0.012042 0.101243
## 3726	6.001322	0.013595	0.008528 0.076069
## 3727	10.260311	0.023261	0.009887 0.086429
## 3728	7.467619	0.005130	0.009122 0.070949
## 3729	14.716518	0.017747	0.010622 0.080750
## 3730	10.167121	0.019163	0.009413 0.097894
## 3731	1.204818	0.018778	0.009503 0.091542
## 3732	2.135485	0.021052	0.009673 0.073580
## 3733	2.941883	0.018464	0.010929 0.070718
## 3734	2.538709	0.017210	0.010670 0.070375
## 3735	2.560428	0.019124	0.007514 0.081818
## 3736	1.371406	0.018688	0.008901 0.092604
## 3737	0.660510	0.018406	0.009540 0.095221
## 3738	5.116368	0.013332	0.008841 0.082875
## 3739	9.228612	0.016307	0.009857 0.085875
## 3740	18.980373	0.017950	0.010951 0.072000
## 3741	3.593819	0.018202	0.009274 0.101311
## 3742	13.018877	0.020312	0.010177 0.069853
## 3743	18.170664	0.015946	0.010094 0.073309
## 3744	16.207134	0.018634	0.009013 0.100706
## 3745	5.698579	0.013010	0.007707 0.082212
## 3746	4.158146	0.018728	0.014371 0.080625
## 3747	8.627147	0.017149	0.011292 0.095125
## 3748	7.520785	0.021812	0.009870 0.107068

## 3749	2.691981	0.016985	0.011175 0.098651
## 3750	3.147504	0.016277	0.009745 0.097151
## 3751	13.790921	0.018542	0.011169 0.105496
## 3752	3.216115	0.016701	0.008832 0.092571
## 3753	18.101809	0.018175	0.008914 0.098047
## 3754	4.754615	0.020661	0.009514 0.099397
## 3755	16.655575	0.016079	0.010878 0.093828
## 3756	0.762309	0.018602	0.008758 0.100399
## 3757	2.038264	0.016656	0.009652 0.091406
## 3758	3.329733	0.018629	0.010905 0.112800
## 3759	15.343987	0.018370	0.011407 0.101027
## 3760	12.894685	0.016822	0.008837 0.076109
## 3761	7.621097	0.013809	0.008370 0.070898
## 3762	4.068173	0.021708	0.010914 0.083861
## 3763	1.945709	0.018408	0.011110 0.061746
## 3764	1.896191	0.017001	0.009557 0.107181
## 3765	1.791444	0.017415	0.010609 0.096620
## 3766	1.252200	0.016502	0.010304 0.105489
## 3767	6.913841	0.018748	0.009254 0.100374
## 3768	8.106667	0.020462	0.010687 0.082004
## 3769	7.843184	0.017886	0.009528 0.095973
## 3770	12.830106	0.020049	0.009892 0.104445
## 3771	14.762570	0.021980	0.008474 0.102888
## 3772	4.621786	0.016321	0.008598 0.112547
## 3773	3.070934	0.017630	0.009109 0.107569
## 3774	2.595432	0.020512	0.009888 0.107955
## 3775	2.757153	0.017994	0.008068 0.104871
## 3776	2.944604	0.021120	0.009450 0.095486
## 3777	0.532358	0.022158	0.007231 0.087699
## 3778	3.909952	0.018968	0.007518 0.104408
## 3779	5.101968	0.016922	0.007411 0.108426
## 3780	3.452170	0.018896	0.008249 0.109302
## 3781	4.608879	0.021587	0.008051 0.095696
## 3782	2.451138	0.018402	0.006742 0.124964
## 3783	5.846569	0.021266	0.010315 0.108500
## 3784	8.227328	0.020250	0.008965 0.089676
## 3785	1.853219	0.019307	0.011032 0.099597
## 3786	2.232891	0.018837	0.008840 0.104638
## 3787	5.055786	0.016326	0.007990 0.101989
## 3788	5.594176	0.017346	0.008284 0.109618
## 3789	23.367952	0.014723	0.008328 0.122727
## 3790	1.376523	0.015106	0.011092 0.090750
## 3791	7.598856	0.017579	0.009676 0.117969
## 3792	4.604249	0.015385	0.009749 0.093552
## 3793	4.222414	0.019589	0.012329 0.116534
## 3794	3.851992	0.016984	0.011139 0.095161
## 3795	6.655422	0.017758	0.009659 0.120576
## 3796	1.064790	0.017142	0.009368 0.113059
## 3797	3.969704	0.018620	0.011016 0.102415
## 3798	10.469531	0.019349	0.011836 0.098488
## 3799	4.004363	0.015625	0.009764 0.113160
## 3800	5.171904	0.014805	0.011351 0.100000
## 3801	2.646079	0.013714	0.010858 0.111648
## 3802	2.191999	0.015477	0.009452 0.098437

## 3803	9.091149	0.015016	0.012051 0.090000
## 3804	1.935009	0.013765	0.012222 0.086149
## 3805	8.913669	0.016867	0.011554 0.094351
## 3806	24.878094	0.019849	0.013501 0.095250
## 3807	4.225995	0.018394	0.010881 0.127060
## 3808	2.178165	0.010765	0.008938 0.117463
## 3809	1.238061	0.017855	0.011487 0.111806
## 3810	2.297696	0.016850	0.009911 0.121038
## 3811	10.702572	0.019779	0.009598 0.134830
## 3812	6.207219	0.016586	0.008889 0.104753
## 3813	8.446435	0.006551	0.010523 0.069900
## 3814	0.802419	0.018425	0.011776 0.114524
## 3815	4.430687	0.016157	0.012325 0.113775
## 3816	3.000964	0.017831	0.012483 0.100705
## 3817	1.525452	0.017270	0.011662 0.088008
## 3818	4.514376	0.017599	0.013287 0.084160
## 3819	4.975940	0.016973	0.011542 0.086101
## 3820	1.235455	0.015909	0.014567 0.070192
## 3821	0.647094	0.015263	0.011338 0.089703
## 3822	1.179183	0.016213	0.011760 0.091444
## 3823	0.594207	0.017970	0.010951 0.110568
## 3824	1.572793	0.013969	0.009942 0.119739
## 3825	2.686331	0.015933	0.010707 0.108257
## 3826	1.238304	0.015883	0.011193 0.119199
## 3827	1.157326	0.013813	0.009564 0.130343
## 3828	1.842178	0.017832	0.012067 0.108389
## 3829	4.000441	0.013778	0.011895 0.107802
## 3830	1.942071	0.016308	0.011168 0.102998
## 3831	3.183694	0.018695	0.011067 0.099396
## 3832	1.978799	0.017559	0.011593 0.097318
## 3833	0.511690	0.016057	0.013058 0.080307
## 3834	1.160554	0.018364	0.011147 0.084515
## 3835	0.858185	0.015982	0.012052 0.099289
## 3836	1.042079	0.018287	0.010848 0.101135
## 3837	1.780580	0.016637	0.013310 0.086927
## 3838	2.434850	0.015847	0.012752 0.076498
## 3839	5.444427	0.015506	0.013059 0.076955
## 3840	1.166289	0.018734	0.011350 0.094471
## 3841	5.851318	0.016606	0.011800 0.098510
## 3842	4.657019	0.016380	0.012525 0.084892
## 3843	1.258007	0.014041	0.010133 0.118659
## 3844	2.726038	0.016624	0.011722 0.111186
## 3845	1.897085	0.017551	0.013232 0.113319
## 3846	2.069380	0.015430	0.012659 0.108676
## 3847	1.316308	0.013851	0.012152 0.095383
## 3848	0.937067	0.014328	0.013416 0.102887
## 3849	1.846468	0.016478	0.011645 0.100664
## 3850	0.683438	0.015591	0.012450 0.089971
## 3851	1.169506	0.018317	0.011869 0.086663
## 3852	3.907547	0.017347	0.011647 0.078017
## 3853	3.723223	0.017277	0.011823 0.087410
## 3854	1.744808	0.018779	0.013799 0.076935
## 3855	5.951466	0.015581	0.010140 0.107386
## 3856	1.892142	0.019867	0.012124 0.084523

## 3857	4.578254	0.015522	0.011558 0.083832
## 3858	5.367820	0.016037	0.012838 0.086523
## 3859	1.925456	0.014873	0.011133 0.090916
## 3860	6.549897	0.015007	0.012178 0.086619
## 3861	9.297217	0.019762	0.010937 0.082340
## 3862	8.138866	0.006436	0.006414 0.064342
## 3863	17.300131	0.007095	0.009876 0.066771
## 3864	19.887920	0.015879	0.013655 0.074677
## 3865	19.077955	0.008453	0.009387 0.080114
## 3866	16.786509	0.011682	0.013918 0.084673
## 3867	20.064209	0.020951	0.008420 0.125355
## 3868	9.127439	0.025572	0.012936 0.100500
## 3869	5.794303	0.016943	0.008057 0.151750
## 3870	17.877201	0.017031	0.008536 0.143250
## 3871	2.957570	0.018587	0.008266 0.125703
## 3872	21.016888	0.016809	0.009523 0.102250
## 3873	22.776106	0.020164	0.009890 0.109375
## 3874	12.281052	0.014560	0.007894 0.120000
## 3875	8.035816	0.014590	0.006743 0.153625
## 3876	25.254709	0.018606	0.008991 0.116406
## 3877	14.209821	0.014197	0.008045 0.116955
## 3878	24.503067	0.019678	0.010096 0.109028
## 3879	21.355640	0.018460	0.011602 0.127500
## 3880	16.526123	0.015662	0.009489 0.095750
## 3881	5.036986	0.020224	0.009816 0.114286
## 3882	18.564852	0.019082	0.010903 0.124864
## 3883	16.358177	0.015483	0.010949 0.116947
## 3884	5.485842	0.015892	0.009767 0.132125
## 3885	4.759872	0.016634	0.009703 0.105948
## 3886	13.977921	0.018206	0.010709 0.090556
## 3887	24.496731	0.017255	0.009926 0.101491
## 3888	5.506065	0.010798	0.011440 0.089663
## 3889	5.540468	0.015116	0.010378 0.082639
## 3890	14.964580	0.018430	0.009646 0.090625
## 3891	1.788347	0.014363	0.008516 0.082750
## 3892	2.868320	0.015731	0.008268 0.071875
## 3893	4.299573	0.017838	0.009367 0.103906
## 3894	2.456477	0.017416	0.009416 0.089560
## 3895	3.369281	0.019513	0.008730 0.091312
## 3896	10.743981	0.017104	0.009857 0.110391
## 3897	4.288382	0.018610	0.011045 0.104348
## 3898	13.150285	0.015763	0.010436 0.094125
## 3899	14.708173	0.013456	0.008298 0.091750
## 3900	17.122475	0.017629	0.011679 0.083625
## 3901	3.325914	0.019928	0.008996 0.090868
## 3902	4.649017	0.016092	0.011824 0.099479
## 3903	4.163376	0.016410	0.008304 0.111493
## 3904	3.433755	0.016539	0.008234 0.106957
## 3905	9.409766	0.015464	0.007685 0.113927
## 3906	7.435771	0.015229	0.010060 0.098125
## 3907	7.282499	0.017591	0.008483 0.120990
## 3908	10.333952	0.014801	0.009648 0.079500
## 3909	8.255215	0.016744	0.007419 0.117356
## 3910	5.587607	0.013689	0.008044 0.102557

## 3911	3.607243	0.018708	0.008495 0.108460
## 3912	1.668564	0.027494	0.014005 0.071023
## 3913	2.745555	0.021773	0.010255 0.040330
## 3914	5.012672	0.019406	0.010920 0.078961
## 3915	8.977486	0.020769	0.012657 0.067988
## 3916	5.414587	0.019534	0.009753 0.076042
## 3917	16.721874	0.018645	0.009694 0.066853
## 3918	6.404817	0.021233	0.008959 0.062908
## 3919	4.935367	0.023234	0.009907 0.055417
## 3920	10.181896	0.025993	0.009954 0.032659
## 3921	4.529745	0.017964	0.007465 0.060582
## 3922	6.088116	0.019325	0.008946 0.077455
## 3923	1.343963	0.019567	0.008642 0.076302
## 3924	12.545218	0.017834	0.009397 0.064303
## 3925	9.110252	0.015760	0.008401 0.083594
## 3926	8.528913	0.021240	0.009239 0.089474
## 3927	6.240729	0.019123	0.008501 0.098500
## 3928	15.289755	0.019295	0.007906 0.094643
## 3929	4.752556	0.019602	0.008839 0.075000
## 3930	5.910920	0.021415	0.008755 0.081124
## 3931	23.248535	0.022051	0.010846 0.039763
## 3932	19.202576	0.020775	0.010479 0.051875
## 3933	12.641182	0.022373	0.011577 0.045125
## 3934	16.845236	0.019409	0.008473 0.066562
## 3935	16.785053	0.020831	0.011253 0.068250
## 3936	18.856976	0.017638	0.007114 0.103000
## 3937	19.797422	0.011925	0.004913 0.147569
## 3938	37.396191	0.010404	0.004351 0.147243
## 3939	21.896240	0.021117	0.008955 0.076709
## 3940	14.710052	0.016964	0.011134 0.085125
## 3941	2.162656	0.015157	0.008727 0.064844
## 3942	12.361939	0.020942	0.012238 0.073250
## 3943	13.898917	0.014980	0.009646 0.103858
## 3944	15.500224	0.017370	0.010858 0.109255
## 3945	5.646212	0.016463	0.011055 0.106250
## 3946	17.807211	0.022712	0.008416 0.076534
## 3947	2.843594	0.020510	0.010145 0.077517
## 3948	8.505663	0.021157	0.007955 0.076172
## 3949	8.334605	0.017182	0.010838 0.109083
## 3950	13.072656	0.015132	0.012481 0.102720
## 3951	12.372908	0.004777	0.008058 0.114246
## 3952	13.102880	0.019560	0.011718 0.078625
## 3953	4.666284	0.019013	0.011481 0.056500
## 3954	12.075422	0.020482	0.008549 0.081304
## 3955	10.709783	0.017793	0.013080 0.077961
## 3956	13.653749	0.015914	0.014745 0.068319
## 3957	12.337176	0.023240	0.010658 0.110585
## 3958	17.169226	0.019911	0.010046 0.113672
## 3959	11.596957	0.024770	0.011270 0.077058
## 3960	9.698322	0.020892	0.011015 0.084073
## 3961	15.332922	0.023128	0.009577 0.057083
## 3962	8.480937	0.021758	0.011906 0.068125
## 3963	15.251719	0.020518	0.008494 0.089967
## 3964	14.656262	0.017015	0.009614 0.099000

## 3965	16.543762	0.022136	0.007919 0.063707
## 3966	6.732522	0.019158	0.008884 0.085895
## 3967	6.967081	0.022342	0.007193 0.087639
## 3968	15.137170	0.019962	0.008456 0.111017
## 3969	12.363365	0.024028	0.008906 0.084273
## 3970	0.662901	0.021855	0.007736 0.093077
## 3971	7.476960	0.012875	0.006856 0.120608
## 3972	4.595876	0.017321	0.009285 0.106660
## 3973	2.620053	0.008980	0.011829 0.078559
## 3974	1.588758	0.019343	0.010257 0.109737
## 3975	3.743305	0.017221	0.008450 0.114103
## 3976	3.830073	0.016878	0.010377 0.099599
## 3977	18.074701	0.019903	0.011327 0.095680
## 3978	3.877130	0.017743	0.009583 0.113528
## 3979	4.252340	0.018849	0.011341 0.124856
## 3980	2.686600	0.017094	0.010277 0.104472
## 3981	4.096385	0.017822	0.009672 0.100051
## 3982	2.220806	0.018217	0.012431 0.092748
## 3983	0.881102	0.019159	0.010494 0.105654
## 3984	1.834159	0.019151	0.010550 0.107912
## 3985	2.097181	0.018411	0.010368 0.111216
## 3986	5.200238	0.018491	0.009930 0.110792
## 3987	5.250547	0.019055	0.010415 0.107934
## 3988	10.224716	0.016144	0.011636 0.094207
## 3989	0.896857	0.019060	0.010390 0.107316
## 3990	1.020420	0.018179	0.010444 0.110513
## 3991	1.078416	0.018640	0.010953 0.103447
## 3992	0.901773	0.014866	0.011630 0.086393
## 3993	2.555351	0.018033	0.011289 0.098330
## 3994	2.580427	0.018368	0.011150 0.098804
## 3995	5.983444	0.017664	0.009797 0.079937
## 3996	2.746776	0.015161	0.011280 0.122815
## 3997	4.665056	0.014270	0.009491 0.128820
## 3998	3.177258	0.014571	0.011179 0.134585
## 3999	2.963681	0.015795	0.011729 0.123348
## 4000	2.531548	0.016717	0.012828 0.120568
## 4001	6.708673	0.013953	0.012525 0.125039
## 4002	0.840555	0.016588	0.011752 0.118823
## 4003	2.644787	0.017108	0.012190 0.097773
## 4004	1.717942	0.016953	0.014257 0.089453
## 4005	0.823259	0.019512	0.013892 0.095833
## 4006	4.714917	0.016913	0.010857 0.096956
## 4007	2.737129	0.012034	0.010006 0.115053
## 4008	0.853688	0.015375	0.010897 0.124491
## 4009	0.956020	0.013573	0.010763 0.109807
## 4010	0.517369	0.017020	0.011187 0.110491
## 4011	0.950972	0.016382	0.012376 0.097363
## 4012	0.852209	0.016649	0.014159 0.081321
## 4013	0.717886	0.017182	0.014110 0.089172
## 4014	2.530321	0.017178	0.013444 0.079483
## 4015	0.866207	0.017278	0.014037 0.085100
## 4016	2.340934	0.017332	0.013859 0.090800
## 4017	1.729905	0.017226	0.012570 0.083279
## 4018	1.289633	0.016521	0.013009 0.095266

## 4019	1.669079	0.017513	0.013098 0.086501
## 4020	2.193459	0.019556	0.011040 0.088535
## 4021	1.425417	0.017074	0.012275 0.087094
## 4022	2.323367	0.018292	0.011594 0.087652
## 4023	3.277469	0.018625	0.011822 0.096380
## 4024	2.708368	0.017601	0.011437 0.068366
## 4025	2.387367	0.019561	0.012141 0.086264
## 4026	1.546174	0.018893	0.011768 0.091741
## 4027	1.582915	0.019495	0.011092 0.086705
## 4028	1.657441	0.017632	0.012154 0.084392
## 4029	0.968615	0.016795	0.012093 0.085484
## 4030	2.302532	0.016901	0.012570 0.087132
## 4031	2.011787	0.017278	0.011126 0.094394
## 4032	4.799630	0.015529	0.011407 0.099389
## 4033	5.861957	0.016759	0.011953 0.094503
## 4034	0.825995	0.018887	0.012187 0.087284
## 4035	1.205410	0.017758	0.011740 0.089811
## 4036	1.789622	0.016972	0.011630 0.091583
## 4037	0.717446	0.017471	0.013525 0.085974
## 4038	1.655855	0.016000	0.011282 0.070313
## 4039	3.002029	0.017875	0.012323 0.092703
## 4040	0.931607	0.017352	0.012179 0.108343
## 4041	1.912856	0.013710	0.012111 0.119057
## 4042	1.286259	0.017925	0.012048 0.113123
## 4043	0.863854	0.015196	0.012058 0.120804
## 4044	1.172737	0.018386	0.011300 0.123553
## 4045	0.942610	0.022014	0.010333 0.093750
## 4046	1.815886	0.015320	0.011895 0.126458
## 4047	3.212792	0.017813	0.011704 0.119535
## 4048	4.265273	0.015069	0.011074 0.113702
## 4049	6.185685	0.018568	0.011196 0.083224
## 4050	8.975066	0.019049	0.012919 0.080688
## 4051	7.081191	0.015281	0.011938 0.083635
## 4052	19.026947	0.017673	0.010975 0.096250
## 4053	18.230602	0.019590	0.009452 0.106490
## 4054	16.336826	0.012755	0.012691 0.074000
## 4055	18.231787	0.016243	0.012128 0.082102
## 4056	14.158652	0.004023	0.003778 0.050361
## 4057	10.172103	0.015381	0.009927 0.075864
## 4058	10.711974	0.022598	0.011447 0.078000
## 4059	4.421899	0.017945	0.007234 0.087099
## 4060	13.547078	0.012144	0.007581 0.077625
## 4061	5.725265	0.000687	0.001614 0.051125
## 4062	9.463542	0.027566	0.012690 0.041750
## 4063	9.460025	0.024472	0.009971 0.055762
## 4064	21.392683	0.016223	0.009957 0.076398
## 4065	10.585678	0.017028	0.010092 0.075810
## 4066	7.237741	0.018149	0.011302 0.065500
## 4067	22.142525	0.015047	0.009292 0.084954
## 4068	8.272990	0.016285	0.010183 0.077662
## 4069	7.392533	0.014779	0.008912 0.071750
## 4070	16.627296	0.024391	0.013119 0.073958
## 4071	29.317770	0.014344	0.008539 0.087750
## 4072	19.029089	0.019880	0.010227 0.075868

## 4073	17.832716	0.022352	0.011183 0.069554
## 4074	9.082542	0.019224	0.011450 0.063574
## 4075	3.593913	0.013772	0.009009 0.071652
## 4076	2.533717	0.022914	0.012170 0.085833
## 4077	6.151979	0.017757	0.009362 0.100375
## 4078	4.260630	0.017891	0.007325 0.098684
## 4079	14.192548	0.022384	0.009138 0.071205
## 4080	7.848263	0.018654	0.008014 0.104806
## 4081	13.427814	0.024857	0.015615 0.092788
## 4082	9.066925	0.020249	0.007033 0.093337
## 4083	32.279045	0.020106	0.009144 0.094231
## 4084	16.014784	0.016332	0.008084 0.085750
## 4085	1.228480	0.021541	0.010022 0.082143
## 4086	2.168280	0.019428	0.011157 0.089904
## 4087	8.861217	0.016569	0.008200 0.090500
## 4088	0.956849	0.022065	0.010046 0.075962
## 4089	6.803290	0.023864	0.010322 0.070486
## 4090	3.071440	0.019266	0.008422 0.096094
## 4091	29.299135	0.013825	0.007826 0.101471
## 4092	3.114175	0.022965	0.010136 0.081027
## 4093	12.539415	0.021947	0.010044 0.098500
## 4094	14.458556	0.023863	0.011081 0.081000
## 4095	4.902950	0.019665	0.009491 0.084375
## 4096	5.705758	0.016020	0.007062 0.094355
## 4097	4.151976	0.022939	0.010029 0.081142
## 4098	3.339517	0.021714	0.008487 0.087224
## 4099	6.232841	0.020812	0.006902 0.110455
## 4100	3.970095	0.022519	0.008694 0.084291
## 4101	17.998016	0.022371	0.008647 0.083073
## 4102	11.012029	0.018799	0.008672 0.099250
## 4103	6.646892	0.019016	0.008856 0.090625
## 4104	5.697785	0.019778	0.009005 0.092245
## 4105	9.901449	0.023381	0.006684 0.083777
## 4106	3.835974	0.018419	0.008236 0.097917
## 4107	2.978103	0.020746	0.008433 0.077344
## 4108	2.089192	0.019771	0.006515 0.101348
## 4109	3.721367	0.018223	0.004489 0.130173
## 4110	36.601852	0.018814	0.007739 0.095968
## 4111	18.641794	0.017298	0.008022 0.097875
## 4112	11.133073	0.015801	0.005755 0.122917
## 4113	7.886345	0.015627	0.007251 0.120125
## 4114	7.374397	0.017047	0.008489 0.098875
## 4115	7.427927	0.024282	0.010248 0.079506
## 4116	23.443821	0.018025	0.007377 0.109620
## 4117	14.107692	0.019425	0.005992 0.104803
## 4118	1.023607	0.017139	0.010172 0.079770
## 4119	0.528076	0.014145	0.006627 0.071336
## 4120	2.512682	0.016100	0.005789 0.078809
## 4121	2.706288	0.018192	0.011046 0.068942
## 4122	3.995239	0.025701	0.009167 0.076589
## 4123	3.167544	0.023836	0.009616 0.075521
## 4124	6.830216	0.016605	0.009186 0.072625
## 4125	0.417022	0.015968	0.006890 0.117294
## 4126	3.184985	0.018552	0.010799 0.082875

## 4127	10.869750	0.021913	0.007963 0.095095
## 4128	0.911049	0.019848	0.009493 0.107380
## 4129	1.932325	0.018491	0.007572 0.106186
## 4130	0.529066	0.018043	0.009830 0.109871
## 4131	0.990756	0.019228	0.009635 0.118500
## 4132	3.849128	0.017465	0.009182 0.116842
## 4133	7.295882	0.020389	0.008198 0.092524
## 4134	2.039518	0.018891	0.007758 0.101211
## 4135	2.198903	0.016502	0.010276 0.097832
## 4136	1.387831	0.017984	0.010693 0.106898
## 4137	7.734094	0.018442	0.010856 0.108838
## 4138	3.707270	0.017126	0.011582 0.087457
## 4139	2.170152	0.015956	0.009903 0.080711
## 4140	0.968542	0.017998	0.012611 0.080027
## 4141	1.440799	0.015771	0.012322 0.093878
## 4142	2.094355	0.017449	0.010350 0.102967
## 4143	6.876519	0.022292	0.011007 0.092413
## 4144	8.128671	0.019234	0.009180 0.085275
## 4145	6.690007	0.018275	0.009709 0.106184
## 4146	13.266785	0.017193	0.010672 0.107149
## 4147	24.530787	0.015518	0.008243 0.092813
## 4148	6.226940	0.020703	0.011067 0.095052
## 4149	4.430924	0.018061	0.010584 0.092482
## 4150	7.313627	0.017563	0.012455 0.099144
## 4151	2.337296	0.018177	0.014421 0.104873
## 4152	5.535312	0.016102	0.012411 0.104828
## 4153	3.895263	0.010088	0.012332 0.077465
## 4154	5.700018	0.017948	0.012403 0.108192
## 4155	2.105462	0.016814	0.013322 0.100309
## 4156	3.537063	0.016384	0.011442 0.121237
## 4157	6.242188	0.011382	0.011652 0.122533
## 4158	5.511584	0.011881	0.013444 0.123674
## 4159	2.292174	0.026826	0.014675 0.047276
## 4160	3.584208	0.023105	0.009966 0.064724
## 4161	5.354725	0.020446	0.009155 0.071668
## 4162	3.867231	0.016228	0.007584 0.091612
## 4163	5.318045	0.017891	0.011354 0.100701
## 4164	9.597389	0.015238	0.012876 0.160331
## 4165	7.694304	0.015140	0.013173 0.154621
## 4166	4.645838	0.012486	0.011965 0.136816
## 4167	5.303577	0.014221	0.013133 0.135221
## 4168	4.792078	0.015122	0.010812 0.069774
## 4169	5.254534	0.019118	0.011810 0.076667
## 4170	3.990742	0.016828	0.012093 0.083946
## 4171	16.406656	0.015344	0.013819 0.122500
## 4172	4.563253	0.014688	0.014253 0.138432
## 4173	10.154912	0.014545	0.012499 0.122455
## 4174	4.996441	0.013297	0.011189 0.116286
## 4175	5.625553	0.011582	0.013161 0.110243
## 4176	4.755968	0.014683	0.013237 0.138859
## 4177	5.013597	0.015840	0.010493 0.113409
## 4178	2.914588	0.010825	0.007162 0.170785
## 4179	4.275370	0.013693	0.010723 0.133184
## 4180	6.392854	0.012405	0.012674 0.159754

## 4181	1.504697	0.012671	0.011840 0.142411
## 4182	0.634858	0.015557	0.014369 0.111336
## 4183	0.969444	0.006789	0.008271 0.163971
## 4184	4.184050	0.010735	0.009466 0.177640
## 4185	2.218237	0.011592	0.011567 0.140600
## 4186	1.074505	0.014228	0.010937 0.117175
## 4187	1.109921	0.014790	0.012185 0.117551
## 4188	1.185727	0.015437	0.009419 0.111245
## 4189	1.399536	0.017300	0.010678 0.110556
## 4190	1.701962	0.014638	0.012929 0.109866
## 4191	1.022168	0.012865	0.011993 0.112965
## 4192	1.090678	0.015121	0.012774 0.085909
## 4193	1.387310	0.018848	0.012988 0.084335
## 4194	1.014407	0.017944	0.011986 0.113528
## 4195	0.856005	0.016772	0.012284 0.120585
## 4196	1.061136	0.016111	0.012524 0.114057
## 4197	1.624645	0.015851	0.013033 0.107107
## 4198	1.461704	0.018033	0.011908 0.113007
## 4199	1.419607	0.017489	0.012400 0.121571
## 4200	0.262480	0.017647	0.012116 0.087908
## 4201	0.848504	0.016809	0.011912 0.090092
## 4202	1.551832	0.016207	0.012388 0.091583
## 4203	0.819961	0.017061	0.011257 0.093052
## 4204	1.732193	0.012417	0.010824 0.074561
## 4205	3.354234	0.017243	0.011422 0.101636
## 4206	9.567461	0.012018	0.011549 0.088310
## 4207	0.822565	0.018086	0.010102 0.078257
## 4208	1.018718	0.014326	0.009852 0.102409
## 4209	1.262907	0.016807	0.010870 0.112296
## 4210	2.417762	0.016856	0.011322 0.083205
## 4211	0.997266	0.013243	0.012349 0.088737
## 4212	6.427229	0.018675	0.012729 0.096410
## 4213	0.813860	0.017571	0.012632 0.083073
## 4214	1.076630	0.015671	0.013778 0.081551
## 4215	1.500959	0.019025	0.012757 0.087414
## 4216	2.165541	0.017130	0.012021 0.082899
## 4217	0.971205	0.015671	0.013215 0.079950
## 4218	0.402711	0.017678	0.012145 0.092666
## 4219	1.918705	0.017981	0.012963 0.067810
## 4220	0.850471	0.019419	0.014166 0.073041
## 4221	1.209495	0.017452	0.012555 0.087727
## 4222	1.686647	0.016451	0.011319 0.081957
## 4223	1.168283	0.013894	0.011707 0.081006
## 4224	1.921219	0.017748	0.012646 0.092168
## 4225	1.674798	0.017700	0.011540 0.090863
## 4226	3.180516	0.017955	0.012462 0.079449
## 4227	1.878800	0.015421	0.012326 0.081842
## 4228	6.661624	0.020443	0.012162 0.075576
## 4229	9.048289	0.017441	0.012877 0.078890
## 4230	5.988444	0.015896	0.011226 0.079297
## 4231	6.189534	0.017111	0.013037 0.084875
## 4232	12.830523	0.013177	0.008543 0.088625
## 4233	2.556842	0.010430	0.007744 0.073935
## 4234	9.677334	0.022030	0.012700 0.071638

## 4235	9.371820	0.014672	0.015283 0.064125
## 4236	12.481879	0.018576	0.014859 0.112424
## 4237	14.549585	0.019358	0.011465 0.079332
## 4238	7.063727	0.016403	0.011366 0.094844
## 4239	4.213448	0.016689	0.011584 0.092676
## 4240	11.460691	0.012275	0.006782 0.076351
## 4241	17.982811	0.014060	0.010911 0.088244
## 4242	12.621895	0.017602	0.008528 0.143648
## 4243	0.149626	0.016337	0.009043 0.156212
## 4244	13.282574	0.015414	0.008388 0.153341
## 4245	2.286625	0.024166	0.010735 0.083203
## 4246	6.035829	0.019130	0.008256 0.083970
## 4247	10.845883	0.023716	0.010600 0.090918
## 4248	4.932461	0.018641	0.008103 0.086089
## 4249	3.502432	0.020630	0.009450 0.069915
## 4250	2.819069	0.019099	0.009480 0.075474
## 4251	0.666886	0.020472	0.010354 0.066381
## 4252	1.315808	0.015952	0.007392 0.095694
## 4253	5.431208	0.016990	0.006217 0.129030
## 4254	3.743861	0.018308	0.008709 0.110539
## 4255	12.682857	0.017934	0.007952 0.095576
## 4256	16.470160	0.019019	0.008414 0.101634
## 4257	19.702032	0.017693	0.008962 0.088194
## 4258	37.002384	0.016172	0.009523 0.090349
## 4259	21.846600	0.019382	0.007267 0.081538
## 4260	12.962877	0.017068	0.009122 0.082750
## 4261	1.796522	0.017742	0.009072 0.075810
## 4262	11.377783	0.016118	0.008138 0.066250
## 4263	14.256074	0.019281	0.006586 0.078241
## 4264	16.116446	0.018435	0.007755 0.083654
## 4265	5.691100	0.017195	0.009053 0.089844
## 4266	18.156778	0.022871	0.008203 0.059318
## 4267	3.009091	0.016823	0.009668 0.093316
## 4268	8.645211	0.015429	0.009509 0.095496
## 4269	8.688557	0.021983	0.010558 0.107969
## 4270	8.041046	0.020555	0.009109 0.088778
## 4271	1.792095	0.018563	0.011310 0.102419
## 4272	2.233510	0.013508	0.013002 0.104474
## 4273	5.078428	0.020366	0.008866 0.085426
## 4274	5.577005	0.018691	0.010653 0.088167
## 4275	12.170195	0.016638	0.010648 0.056125
## 4276	14.957350	0.021053	0.011566 0.090733
## 4277	16.219378	0.012315	0.010356 0.105357
## 4278	1.881033	0.018873	0.008748 0.100729
## 4279	4.491831	0.015697	0.007953 0.100074
## 4280	3.855299	0.016220	0.008623 0.105267
## 4281	4.418996	0.017024	0.009014 0.099070
## 4282	10.147316	0.017278	0.008410 0.106593
## 4283	7.384143	0.013825	0.008799 0.116667
## 4284	11.425550	0.014607	0.008089 0.120368
## 4285	4.341671	0.016629	0.008926 0.109079
## 4286	9.748292	0.016115	0.010271 0.082000
## 4287	18.182589	0.015615	0.009838 0.087125
## 4288	5.338235	0.014734	0.008398 0.111842

## 4289	5.856081	0.013988	0.007383 0.107656
## 4290	10.728571	0.015350	0.009253 0.129616
## 4291	15.923982	0.015789	0.008652 0.117578
## 4292	35.962349	0.021744	0.009736 0.095928
## 4293	2.945471	0.016872	0.009250 0.092500
## 4294	4.462053	0.013817	0.008005 0.116028
## 4295	13.637858	0.014371	0.008706 0.097940
## 4296	24.904322	0.016907	0.007562 0.114792
## 4297	5.287148	0.015056	0.008945 0.111058
## 4298	4.512003	0.013090	0.008757 0.089815
## 4299	15.188454	0.017228	0.008533 0.098839
## 4300	1.958706	0.017177	0.009834 0.099875
## 4301	2.860839	0.014221	0.010059 0.126852
## 4302	4.461081	0.021065	0.011385 0.103299
## 4303	2.474234	0.018836	0.009666 0.116933
## 4304	4.253728	0.019869	0.009992 0.090471
## 4305	10.415035	0.016545	0.008207 0.093359
## 4306	3.829783	0.018414	0.010208 0.092120
## 4307	9.649432	0.015189	0.008033 0.060156
## 4308	13.731961	0.017990	0.010171 0.100750
## 4309	12.731256	0.017303	0.009207 0.088697
## 4310	0.460766	0.017948	0.008143 0.087458
## 4311	3.367468	0.018736	0.009106 0.092330
## 4312	3.554727	0.015637	0.009392 0.080580
## 4313	2.732098	0.020794	0.013720 0.073250
## 4314	2.477116	0.018099	0.009725 0.110417
## 4315	1.822950	0.016366	0.008912 0.108760
## 4316	0.400537	0.019445	0.010569 0.096023
## 4317	4.710292	0.016605	0.010088 0.087875
## 4318	8.349759	0.018616	0.009569 0.077500
## 4319	18.817602	0.018255	0.013371 0.068125
## 4320	4.155332	0.019335	0.009397 0.104772
## 4321	13.117792	0.020044	0.009128 0.086719
## 4322	15.162872	0.019083	0.008979 0.081288
## 4323	14.992500	0.016590	0.009070 0.069055
## 4324	0.559470	0.017733	0.007704 0.082328
## 4325	9.316152	0.016504	0.009233 0.070125
## 4326	8.606954	0.017784	0.011080 0.071250
## 4327	4.976591	0.019148	0.008297 0.095571
## 4328	2.468902	0.018296	0.009820 0.076478
## 4329	3.207235	0.020741	0.007405 0.105409
## 4330	2.399112	0.013225	0.012470 0.093681
## 4331	2.155087	0.017113	0.013210 0.103940
## 4332	5.015751	0.017710	0.012390 0.098847
## 4333	2.276427	0.015421	0.011623 0.132940
## 4334	1.746666	0.016019	0.011743 0.135855
## 4335	6.520006	0.014514	0.011680 0.127327
## 4336	2.489699	0.016582	0.011209 0.119949
## 4337	5.094930	0.017258	0.012074 0.112936
## 4338	4.803197	0.016920	0.011474 0.128419
## 4339	2.275611	0.015821	0.012355 0.124188
## 4340	0.533773	0.015740	0.012207 0.122755
## 4341	1.807209	0.015228	0.011179 0.125371
## 4342	4.409803	0.016199	0.012750 0.127426

## 4343	2.687969	0.017309	0.012419 0.117548
## 4344	3.066481	0.019505	0.011864 0.055875
## 4345	2.302661	0.016887	0.010869 0.116496
## 4346	2.098368	0.017900	0.012855 0.115085
## 4347	1.254101	0.016826	0.011760 0.124624
## 4348	0.654055	0.015760	0.011724 0.120122
## 4349	0.985901	0.016194	0.011735 0.119714
## 4350	0.546253	0.017529	0.011948 0.127431
## 4351	1.486417	0.016241	0.011648 0.117918
## 4352	4.302341	0.011093	0.010915 0.092619
## 4353	2.572458	0.017344	0.012021 0.114769
## 4354	0.628406	0.017577	0.011803 0.131933
## 4355	0.880343	0.017078	0.012083 0.136719
## 4356	0.772263	0.015996	0.012357 0.132319
## 4357	0.734504	0.017357	0.012397 0.126539
## 4358	2.251972	0.015591	0.011790 0.127918
## 4359	2.515116	0.013882	0.011059 0.112632
## 4360	0.993082	0.013510	0.011534 0.114023
## 4361	6.379676	0.014108	0.011407 0.120682
## 4362	1.111425	0.010941	0.011278 0.103250
## 4363	2.778457	0.012715	0.010834 0.121159
## 4364	3.536851	0.018304	0.011070 0.122349
## 4365	3.226586	0.011517	0.010152 0.085156
## 4366	3.076771	0.017609	0.011709 0.117601
## 4367	4.193809	0.017560	0.013029 0.103571
## 4368	2.913869	0.016147	0.012823 0.138719
## 4369	1.793392	0.017594	0.011494 0.129782
## 4370	3.139029	0.017579	0.012831 0.125291
## 4371	1.784850	0.017109	0.012262 0.135671
## 4372	5.980165	0.014807	0.010741 0.104359
## 4373	8.910439	0.014925	0.012479 0.143188
## 4374	8.214386	0.014957	0.010658 0.117378
## 4375	13.789196	0.014464	0.012676 0.126287
## 4376	11.210077	0.015821	0.011813 0.100929
## 4377	13.452538	0.016476	0.011990 0.103766
## 4378	3.773931	0.012347	0.012512 0.103966
## 4379	10.967406	0.015957	0.011131 0.094500
## 4380	2.498093	0.010486	0.009540 0.105375
## 4381	7.050646	0.010346	0.008028 0.061290
## 4382	8.373228	0.007800	0.008176 0.070750
## 4383	6.437956	0.003282	0.005533 0.055889
## 4384	7.090018	0.014014	0.016807 0.071644
## 4385	18.989906	0.012920	0.010798 0.121711
## 4386	8.511969	0.016658	0.009773 0.112750
## 4387	1.685740	0.015095	0.010348 0.100116
## 4388	0.497842	0.019833	0.011525 0.093375
## 4389	6.791272	0.016576	0.009683 0.112375
## 4390	10.752749	0.018815	0.009420 0.105625
## 4391	3.983601	0.014824	0.007617 0.052875
## 4392	2.552606	0.022738	0.011596 0.071540
## 4393	3.675933	0.020557	0.010646 0.079398
## 4394	0.928336	0.016020	0.012331 0.076442
## 4395	2.190647	0.004948	0.005141 0.069676
## 4396	1.129513	0.008038	0.007923 0.236892

## 4397	21.780165	0.009050	0.007542 0.258173
## 4398	19.253378	0.009594	0.008194 0.248375
## 4399	12.327460	0.010242	0.009497 0.206750
## 4400	16.344801	0.014015	0.014929 0.234922
## 4401	16.743849	0.015432	0.013712 0.169375
## 4402	18.915674	0.015081	0.010003 0.141000
## 4403	9.856157	0.018543	0.012031 0.114556
## 4404	3.854762	0.015925	0.010871 0.098000
## 4405	8.146653	0.012750	0.011277 0.107250
## 4406	7.468894	0.014465	0.010640 0.092634
## 4407	4.084090	0.012904	0.010082 0.095208
## 4408	2.748526	0.015516	0.010723 0.104261
## 4409	13.827475	0.009066	0.009494 0.092672
## 4410	5.048761	0.018574	0.011305 0.110318
## 4411	18.302366	0.014164	0.007851 0.100234
## 4412	4.835217	0.016960	0.012310 0.104496
## 4413	17.244286	0.011562	0.004713 0.083125
## 4414	1.631966	0.011857	0.004636 0.146410
## 4415	4.365019	0.015331	0.008759 0.125923
## 4416	5.394664	0.023173	0.009680 0.080279
## 4417	15.156750	0.018347	0.010500 0.071190
## 4418	12.748637	0.019591	0.011529 0.077500
## 4419	10.171527	0.017705	0.009410 0.104552
## 4420	1.594342	0.017743	0.008959 0.100460
## 4421	2.097361	0.014920	0.008956 0.108333
## 4422	1.197780	0.018915	0.009126 0.099792
## 4423	0.896111	0.019734	0.009150 0.103235
## 4424	1.434035	0.016138	0.009036 0.108136
## 4425	3.621257	0.019423	0.010427 0.112661
## 4426	7.115807	0.016161	0.011444 0.068250
## 4427	0.394373	0.019382	0.009252 0.079993
## 4428	4.160543	0.017333	0.016437 0.060750
## 4429	13.581380	0.024770	0.009334 0.086073
## 4430	4.654136	0.017987	0.008437 0.109892
## 4431	3.615975	0.021587	0.009738 0.069722
## 4432	2.697242	0.021212	0.007933 0.096970
## 4433	2.793154	0.020371	0.009979 0.103998
## 4434	2.960294	0.020057	0.009026 0.104731
## 4435	0.515605	0.017129	0.007903 0.108977
## 4436	3.925791	0.023735	0.011657 0.100296
## 4437	5.119414	0.018891	0.006791 0.122903
## 4438	3.891825	0.013388	0.009120 0.106105
## 4439	4.600687	0.017134	0.008867 0.115478
## 4440	2.479567	0.020018	0.008414 0.111247
## 4441	6.804375	0.018534	0.011661 0.078250
## 4442	7.244313	0.019811	0.008247 0.091809
## 4443	3.455835	0.023054	0.007643 0.082726
## 4444	2.873184	0.015594	0.008815 0.077802
## 4445	2.839384	0.018141	0.007714 0.100598
## 4446	0.585308	0.018714	0.009118 0.116008
## 4447	1.194076	0.018421	0.007572 0.109055
## 4448	6.844574	0.020392	0.007255 0.105240
## 4449	8.087216	0.017624	0.008990 0.101907
## 4450	7.316315	0.020135	0.006677 0.134082

## 4451	12.832920	0.021521	0.008555 0.087500
## 4452	24.476028	0.022098	0.012928 0.081477
## 4453	1.465996	0.017269	0.009266 0.080750
## 4454	7.606842	0.015987	0.009674 0.112784
## 4455	4.679234	0.019411	0.010116 0.101424
## 4456	4.309200	0.016328	0.011149 0.098636
## 4457	3.848625	0.015606	0.008847 0.092742
## 4458	6.854976	0.020190	0.009685 0.095132
## 4459	1.027799	0.016304	0.008992 0.096875
## 4460	4.288046	0.018517	0.009670 0.100710
## 4461	10.394633	0.022978	0.009661 0.080040
## 4462	4.008898	0.016031	0.011534 0.090581
## 4463	5.280770	0.015384	0.009154 0.123125
## 4464	2.568293	0.015450	0.011084 0.096591
## 4465	2.188961	0.015138	0.010054 0.081920
## 4466	8.896666	0.008673	0.005190 0.069750
## 4467	1.963127	0.019451	0.013529 0.113851
## 4468	8.767644	0.016712	0.011331 0.107572
## 4469	24.869026	0.015870	0.011288 0.089000
## 4470	4.141495	0.016517	0.009717 0.112003
## 4471	1.366529	0.016070	0.013036 0.123713
## 4472	1.216770	0.017567	0.009702 0.115069
## 4473	2.498633	0.017461	0.010268 0.102734
## 4474	10.236339	0.016645	0.008757 0.114617
## 4475	9.465784	0.019473	0.012114 0.096125
## 4476	8.148537	0.012641	0.009200 0.083375
## 4477	8.249298	0.017504	0.009914 0.105718
## 4478	4.493654	0.016669	0.010648 0.113988
## 4479	11.755177	0.016593	0.010652 0.097625
## 4480	6.426752	0.015055	0.011919 0.098682
## 4481	1.596751	0.019880	0.011590 0.109419
## 4482	0.412519	0.015074	0.011384 0.115697
## 4483	11.492748	0.012884	0.010939 0.070129
## 4484	18.120752	0.013149	0.010831 0.075000
## 4485	18.033579	0.015869	0.011657 0.062625
## 4486	13.588374	0.017141	0.012120 0.078041
## 4487	14.305157	0.013647	0.013007 0.107625
## 4488	22.510311	0.014269	0.010615 0.114250
## 4489	10.958020	0.015348	0.012098 0.084500
## 4490	11.355898	0.013869	0.014578 0.086125
## 4491	8.153140	0.019792	0.013355 0.045938
## 4492	1.426339	0.016312	0.011211 0.091918
## 4493	7.727455	0.017251	0.012934 0.088971
## 4494	6.325201	0.017670	0.012335 0.085400
## 4495	5.072931	0.010396	0.011914 0.072934
## 4496	1.777248	0.013214	0.010180 0.090497
## 4497	2.303514	0.013448	0.011631 0.073011
## 4498	14.784906	0.008898	0.007584 0.075174
## 4499	11.415478	0.008420	0.008294 0.112997
## 4500	3.111949	0.011240	0.009399 0.104261
## 4501	16.672371	0.007648	0.008168 0.087250
## 4502	10.753283	0.009309	0.007465 0.114098
## 4503	4.584181	0.010672	0.009056 0.107772
## 4504	10.928583	0.011212	0.009814 0.106505

## 4505	2.858353	0.011210	0.008076 0.125094
## 4506	8.211317	0.010978	0.003972 0.141875
## 4507	14.036664	0.008620	0.004297 0.145612
## 4508	12.949505	0.011216	0.009399 0.124658
## 4509	4.717350	0.013820	0.010641 0.084252
## 4510	4.423676	0.018029	0.011493 0.062482
## 4511	4.576890	0.015600	0.009622 0.083361
## 4512	4.161504	0.015398	0.011750 0.080937
## 4513	5.347026	0.017844	0.012563 0.057670
## 4514	3.155469	0.011136	0.012935 0.043314
## 4515	0.939313	0.019912	0.014257 0.077083
## 4516	2.957987	0.019310	0.016174 0.067369
## 4517	4.193162	0.017861	0.012187 0.094518
## 4518	3.297069	0.013943	0.011972 0.039543
## 4519	7.379256	0.014392	0.007972 0.029625
## 4520	25.846132	0.014340	0.008296 0.021375
## 4521	6.487139	0.010712	0.005508 0.026310
## 4522	9.164995	0.005966	0.003577 0.044978
## 4523	3.528129	0.015544	0.012067 0.043269
## 4524	14.019621	0.009346	0.006381 0.034037
## 4525	11.231734	0.017880	0.009188 0.028906
## 4526	8.582548	0.021682	0.010966 0.073000
## 4527	11.685544	0.014942	0.007040 0.075868
## 4528	17.252378	0.012026	0.006927 0.114250
## 4529	13.714478	0.016402	0.007124 0.096484
## 4530	15.765958	0.020167	0.009576 0.096375
## 4531	28.426039	0.017817	0.008530 0.100625
## 4532	4.045393	0.017050	0.008099 0.102875
## 4533	7.293018	0.019405	0.008983 0.120750
## 4534	6.069918	0.019017	0.009065 0.110750
## 4535	1.210935	0.022271	0.007730 0.105824
## 4536	6.805398	0.013114	0.009360 0.056202
## 4537	5.173881	0.017710	0.009840 0.043092
## 4538	3.078857	0.015001	0.011055 0.055019
## 4539	5.950386	0.018561	0.015331 0.054271
## 4540	7.506318	0.020655	0.014191 0.072530
## 4541	7.219348	0.016687	0.013389 0.076770
## 4542	20.209122	0.006590	0.004023 0.071750
## 4543	2.423235	0.013030	0.010917 0.090625
## 4544	14.181602	0.017422	0.013933 0.073000
## 4545	9.998652	0.018953	0.012393 0.073589
## 4546	3.758227	0.019578	0.013168 0.054919
## 4547	10.003304	0.016310	0.011300 0.059375
## 4548	25.358732	0.019556	0.015189 0.051250
## 4549	16.916153	0.018073	0.013581 0.062644
## 4550	16.664083	0.022728	0.012823 0.067740
## 4551	6.879549	0.021066	0.014428 0.061442
## 4552	4.540723	0.017853	0.013945 0.052922
## 4553	3.161064	0.007042	0.008475 0.052016
## 4554	9.471430	0.016078	0.012606 0.082908
## 4555	7.172567	0.021443	0.013886 0.068606
## 4556	3.904882	0.013315	0.010283 0.068068
## 4557	10.397166	0.018927	0.011494 0.075000
## 4558	9.313276	0.015862	0.014089 0.070852

## 4559	5.682749	0.010159	0.008555 0.066587
## 4560	10.969825	0.013010	0.011393 0.080945
## 4561	20.443367	0.021091	0.011401 0.120313
## 4562	14.754562	0.018735	0.012082 0.085459
## 4563	17.660707	0.016331	0.009579 0.119091
## 4564	12.364793	0.012457	0.007054 0.142770
## 4565	11.612214	0.015532	0.008156 0.148532
## 4566	7.154957	0.015816	0.009128 0.103038
## 4567	16.420099	0.018871	0.008703 0.115694
## 4568	25.410511	0.015023	0.008484 0.149125
## 4569	15.964150	0.014250	0.008995 0.137891
## 4570	5.155652	0.015401	0.010016 0.152635
## 4571	19.417917	0.012655	0.009932 0.108750
## 4572	7.637276	0.016359	0.009543 0.146689
## 4573	4.233644	0.018030	0.009760 0.107091
## 4574	5.793746	0.017645	0.011522 0.098604
## 4575	12.627926	0.020249	0.013006 0.090799
## 4576	3.853781	0.017549	0.012830 0.070742
## 4577	8.590969	0.018444	0.013583 0.059875
## 4578	10.736070	0.022576	0.015643 0.076228
## 4579	12.493385	0.019711	0.014312 0.061854
## 4580	9.741169	0.016119	0.012364 0.085243
## 4581	11.067509	0.015946	0.009865 0.098833
## 4582	10.398910	0.010766	0.007810 0.071150
## 4583	5.586302	0.006696	0.006277 0.086824
## 4584	23.493610	0.010160	0.005481 0.105625
## 4585	23.789824	0.014148	0.006798 0.106250
## 4586	8.591566	0.012842	0.012046 0.091010
## 4587	6.498891	0.024303	0.008715 0.064471
## 4588	14.925621	0.028613	0.014625 0.060982
## 4589	7.485483	0.014568	0.010574 0.068125
## 4590	14.922033	0.014972	0.011905 0.074409
## 4591	6.700069	0.017977	0.009048 0.056793
## 4592	10.304255	0.017956	0.009123 0.066269
## 4593	4.719624	0.016164	0.010274 0.080357
## 4594	9.437631	0.012161	0.010460 0.087411
## 4595	0.910697	0.013057	0.007811 0.077083
## 4596	12.307323	0.016041	0.007836 0.073920
## 4597	5.235072	0.023497	0.012151 0.053125
## 4598	5.291234	0.017501	0.011197 0.083177
## 4599	8.760814	0.015912	0.014600 0.077307
## 4600	7.120362	0.015689	0.014668 0.088116
## 4601	4.731547	0.017092	0.010930 0.093304
## 4602	1.812645	0.014524	0.010120 0.070848
## 4603	1.542467	0.013900	0.011500 0.073674
## 4604	15.096080	0.014375	0.010722 0.068750
## 4605	11.724718	0.016298	0.011866 0.086364
## 4606	3.242677	0.016972	0.014879 0.083523
## 4607	15.794177	0.015258	0.012846 0.068000
## 4608	11.089769	0.014511	0.011490 0.093010
## 4609	4.672651	0.010090	0.008767 0.090625
## 4610	10.108359	0.010219	0.009421 0.104716
## 4611	2.186929	0.011040	0.008730 0.118654
## 4612	17.601967	0.011480	0.012986 0.102000

## 4613	12.259784	0.012153	0.008966 0.103125
## 4614	18.046087	0.014961	0.011809 0.093149
## 4615	18.855236	0.010334	0.010912 0.098625
## 4616	14.268453	0.012065	0.010152 0.120355
## 4617	15.039316	0.006863	0.003450 0.101875
## 4618	23.507786	0.009254	0.004344 0.108000
## 4619	10.889368	0.009772	0.005315 0.127125
## 4620	10.808609	0.012769	0.006223 0.119125
## 4621	7.776124	0.008980	0.004180 0.142708
## 4622	1.206604	0.010507	0.005658 0.151760
## 4623	7.512480	0.018040	0.015566 0.119301
## 4624	6.802902	0.017857	0.012241 0.115674
## 4625	4.854569	0.022039	0.014289 0.059057
## 4626	8.450309	0.016721	0.012215 0.100424
## 4627	14.136602	0.017023	0.012433 0.083976
## 4628	14.044619	0.018321	0.012764 0.089502
## 4629	4.535900	0.012087	0.011599 0.076654
## 4630	4.483774	0.012739	0.009990 0.087659
## 4631	4.818516	0.013375	0.009224 0.073353
## 4632	4.227415	0.014791	0.011549 0.047938
## 4633	5.159540	0.013873	0.008064 0.070833
## 4634	3.116043	0.013520	0.009722 0.061555
## 4635	1.054962	0.011266	0.006405 0.092773
## 4636	2.863377	0.011257	0.008138 0.082776
## 4637	4.231091	0.016872	0.011984 0.076316
## 4638	3.050374	0.012610	0.010249 0.055529
## 4639	7.481051	0.010263	0.010887 0.035375
## 4640	25.193684	0.005339	0.010583 0.068000
## 4641	6.404575	0.018054	0.011645 0.074194
## 4642	9.216343	0.019138	0.016335 0.059152
## 4643	3.359654	0.014878	0.013405 0.072356
## 4644	14.297349	0.019213	0.013226 0.090963
## 4645	11.299601	0.011048	0.011821 0.073828
## 4646	8.830659	0.018079	0.009416 0.022375
## 4647	11.753376	0.015199	0.007805 0.026736
## 4648	17.933842	0.011540	0.006730 0.025750
## 4649	14.032617	0.008552	0.004739 0.033125
## 4650	15.938300	0.012194	0.012615 0.049500
## 4651	28.315346	0.010449	0.006023 0.030500
## 4652	4.211182	0.007627	0.006133 0.033125
## 4653	7.648072	0.015355	0.009162 0.024750
## 4654	6.051796	0.021766	0.010396 0.071000
## 4655	0.628021	0.014854	0.006105 0.090720
## 4656	6.392340	0.018723	0.007028 0.101827
## 4657	5.279185	0.018119	0.007011 0.115872
## 4658	3.054076	0.020111	0.008177 0.104545
## 4659	6.142130	0.020211	0.006550 0.128594
## 4660	7.280933	0.019238	0.009643 0.074597
## 4661	7.494681	0.017122	0.010326 0.058352
## 4662	39.271770	0.022847	0.015484 0.043875
## 4663	10.366067	0.017496	0.015298 0.051834
## 4664	9.836817	0.019505	0.014175 0.075682
## 4665	5.601743	0.016699	0.016299 0.079808
## 4666	10.672812	0.016432	0.013296 0.072370

## 4667	21.509869	0.014823	0.011417 0.093490
## 4668	14.981171	0.013416	0.012002 0.072130
## 4669	16.405867	0.015086	0.010753 0.090568
## 4670	12.172155	0.016722	0.012037 0.070000
## 4671	11.545881	0.020952	0.012069 0.123769
## 4672	6.571393	0.020321	0.013692 0.085536
## 4673	16.308434	0.017084	0.008937 0.126427
## 4674	26.143526	0.012604	0.010153 0.095500
## 4675	16.994226	0.013919	0.007401 0.135313
## 4676	3.434565	0.018434	0.009073 0.140343
## 4677	20.608723	0.015323	0.008654 0.079250
## 4678	7.728367	0.015997	0.009778 0.153125
## 4679	4.139308	0.016147	0.008883 0.133293
## 4680	5.814487	0.022005	0.011947 0.105652
## 4681	12.751684	0.014813	0.009847 0.137153
## 4682	4.609411	0.014012	0.008784 0.171398
## 4683	1.099574	0.017346	0.010734 0.102137
## 4684	16.340483	0.020176	0.012933 0.080623
## 4685	1.349245	0.010022	0.007566 0.077951
## 4686	15.325795	0.020883	0.013054 0.077505
## 4687	4.126412	0.018669	0.012205 0.063927
## 4688	0.997533	0.021084	0.011306 0.065333
## 4689	5.237910	0.017370	0.011774 0.076009
## 4690	2.739865	0.020071	0.012634 0.083688
## 4691	0.682665	0.018422	0.012828 0.079772
## 4692	3.743498	0.020448	0.013082 0.081216
## 4693	8.800695	0.011931	0.011320 0.092875
## 4694	10.831487	0.016657	0.014167 0.082924
## 4695	12.590590	0.015112	0.011523 0.092188
## 4696	5.082525	0.014759	0.005106 0.099361
## 4697	10.484253	0.006367	0.005352 0.080380
## 4698	10.238112	0.019005	0.018109 0.043145
## 4699	5.035514	0.017302	0.010310 0.088726
## 4700	15.064379	0.014210	0.007449 0.061875
## 4701	11.322932	0.002522	0.004067 0.082204
## 4702	12.040244	0.016269	0.013602 0.113212
## 4703	11.901502	0.003102	0.004918 0.071528
## 4704	7.471691	0.013210	0.007627 0.053375
## 4705	2.004634	0.021187	0.008951 0.062911
## 4706	2.285456	0.020307	0.009545 0.060786
## 4707	10.027590	0.020899	0.010456 0.050500
## 4708	14.811602	0.022424	0.008919 0.065625
## 4709	17.217672	0.022701	0.009832 0.056908
## 4710	2.010006	0.024443	0.008085 0.065666
## 4711	5.286044	0.023423	0.009732 0.064527
## 4712	9.436659	0.024285	0.009015 0.060075
## 4713	10.983417	0.020989	0.009110 0.049722
## 4714	4.135040	0.024154	0.008478 0.075366
## 4715	14.417504	0.021804	0.010683 0.061375
## 4716	29.468275	0.019669	0.009721 0.061625
## 4717	12.634590	0.024951	0.012917 0.075923
## 4718	7.728993	0.031600	0.010624 0.046364
## 4719	10.476601	0.024787	0.008468 0.055748
## 4720	8.511801	0.025567	0.010100 0.036655

## 4721	6.485125	0.023925	0.008108 0.037437
## 4722	14.537012	0.025797	0.007874 0.050208
## 4723	19.293211	0.020489	0.010360 0.039375
## 4724	19.463642	0.019260	0.008980 0.052549
## 4725	16.383404	0.022489	0.010854 0.050250
## 4726	11.873699	0.018940	0.009406 0.038375
## 4727	6.806977	0.021081	0.007832 0.048813
## 4728	7.008728	0.022488	0.007985 0.056250
## 4729	1.453162	0.023354	0.008075 0.093888
## 4730	15.511974	0.019774	0.010674 0.079000
## 4731	7.444431	0.019441	0.009252 0.093125
## 4732	18.647520	0.011050	0.012981 0.121774
## 4733	10.116367	0.018615	0.007877 0.075961
## 4734	4.849487	0.014982	0.007422 0.066518
## 4735	8.899177	0.024075	0.017532 0.052500
## 4736	1.497394	0.013364	0.009039 0.073177
## 4737	12.822386	0.015944	0.010076 0.067670
## 4738	5.629380	0.018574	0.009935 0.056334
## 4739	5.294622	0.019386	0.009612 0.051094
## 4740	8.622370	0.012938	0.008119 0.082292
## 4741	7.132621	0.018616	0.011435 0.078598
## 4742	4.609282	0.011726	0.006776 0.082924
## 4743	1.866641	0.018646	0.009773 0.071019
## 4744	2.081714	0.018508	0.010464 0.048201
## 4745	14.621150	0.015560	0.011522 0.086024
## 4746	11.090835	0.015067	0.012990 0.085156
## 4747	3.197426	0.011768	0.013246 0.082765
## 4748	16.366116	0.015358	0.012099 0.075875
## 4749	10.908713	0.014917	0.010001 0.078483
## 4750	4.621192	0.013964	0.010057 0.069712
## 4751	10.387861	0.016643	0.012080 0.082606
## 4752	2.793081	0.015209	0.011631 0.093150
## 4753	1.160174	0.010701	0.009153 0.086892
## 4754	5.004848	0.009660	0.009222 0.098380
## 4755	10.353232	0.007689	0.008181 0.094935
## 4756	1.199113	0.007829	0.004809 0.099038
## 4757	12.617274	0.010254	0.008624 0.116487
## 4758	14.075718	0.011125	0.009381 0.119123
## 4759	1.995679	0.011349	0.009506 0.112401
## 4760	6.080346	0.011447	0.010165 0.116610
## 4761	3.087067	0.012310	0.008609 0.112014
## 4762	11.285637	0.009582	0.003882 0.118333
## 4763	6.853967	0.013227	0.005528 0.137411
## 4764	1.789040	0.011049	0.004124 0.147011
## 4765	18.373808	0.008667	0.004463 0.135625
## 4766	20.211327	0.007853	0.007220 0.158388
## 4767	25.085735	0.024138	0.014802 0.083984
## 4768	16.501543	0.024510	0.013001 0.068192
## 4769	2.798936	0.020351	0.011392 0.091976
## 4770	17.191837	0.020692	0.010641 0.117000
## 4771	11.833808	0.016316	0.010982 0.084651
## 4772	17.714830	0.010331	0.010258 0.104447
## 4773	18.603134	0.020126	0.013329 0.091500
## 4774	14.033125	0.015951	0.010424 0.099493

## 4775	15.023602	0.010257	0.008695 0.103250
## 4776	23.209595	0.015567	0.012278 0.087750
## 4777	10.601172	0.021247	0.011930 0.099625
## 4778	11.545720	0.017967	0.010642 0.091625
## 4779	7.674833	0.013009	0.008326 0.089375
## 4780	1.446414	0.018608	0.010056 0.100754
## 4781	7.660981	0.016606	0.010361 0.111152
## 4782	6.457527	0.019739	0.012570 0.100146
## 4783	5.179620	0.013580	0.008945 0.095922
## 4784	5.990909	0.020366	0.007263 0.084079
## 4785	7.663282	0.012821	0.011795 0.092645
## 4786	13.950466	0.016220	0.013076 0.103711
## 4787	7.131135	0.022033	0.014058 0.049375
## 4788	4.973538	0.013888	0.010322 0.085320
## 4789	9.671503	0.016658	0.012504 0.090795
## 4790	3.553847	0.014943	0.010545 0.104717
## 4791	8.359171	0.016210	0.011212 0.105826
## 4792	13.959271	0.014167	0.009582 0.110572
## 4793	13.859820	0.017487	0.011442 0.104736
## 4794	4.698925	0.019408	0.011742 0.119914
## 4795	4.369121	0.018300	0.011900 0.121169
## 4796	4.591876	0.018499	0.007446 0.126563
## 4797	4.299250	0.015341	0.006164 0.145125
## 4798	5.470797	0.014557	0.008917 0.157150
## 4799	3.015275	0.012187	0.009578 0.082631
## 4800	0.796923	0.013591	0.010172 0.083333
## 4801	2.950491	0.012774	0.009957 0.077471
## 4802	4.397065	0.015038	0.011338 0.070066
## 4803	3.080032	0.018949	0.012715 0.047957
## 4804	7.290567	0.014271	0.013264 0.043000
## 4805	25.811255	0.017134	0.011307 0.057125
## 4806	6.366361	0.012528	0.007351 0.071270
## 4807	9.245482	0.015135	0.012510 0.061496
## 4808	3.226882	0.014729	0.011241 0.054207
## 4809	14.425131	0.010251	0.006233 0.100760
## 4810	11.468862	0.015027	0.009858 0.077109
## 4811	8.557582	0.011364	0.010689 0.071125
## 4812	11.935301	0.014385	0.012012 0.086545
## 4813	17.774109	0.017775	0.011750 0.054250
## 4814	13.956254	0.012889	0.011796 0.049219
## 4815	15.290648	0.011703	0.012422 0.034250
## 4816	27.608967	0.005183	0.010827 0.070750
## 4817	4.168544	0.018520	0.013629 0.076625
## 4818	7.648593	0.018362	0.014688 0.054375
## 4819	6.083830	0.018177	0.015491 0.062375
## 4820	0.616767	0.017339	0.011718 0.092945
## 4821	6.776538	0.014815	0.010935 0.038269
## 4822	5.067709	0.014009	0.007147 0.023520
## 4823	3.071636	0.009789	0.005128 0.026989
## 4824	6.424086	0.011699	0.009338 0.045937
## 4825	7.424066	0.014849	0.009275 0.033569
## 4826	7.207375	0.017741	0.007175 0.099060
## 4827	29.327820	0.019012	0.009896 0.075375
## 4828	4.550070	0.019288	0.006341 0.118125

## 4829	1.110788	0.021659	0.005790 0.125670
## 4830	16.814848	0.018806	0.012059 0.063388
## 4831	1.376840	0.017148	0.013563 0.081033
## 4832	15.607139	0.015902	0.012495 0.083988
## 4833	3.934114	0.013711	0.012114 0.073234
## 4834	1.286029	0.015713	0.010518 0.087083
## 4835	5.373643	0.011353	0.008375 0.077116
## 4836	2.743886	0.021145	0.011722 0.073627
## 4837	1.049893	0.017788	0.011442 0.084711
## 4838	3.779393	0.020414	0.012727 0.073214
## 4839	8.453928	0.022327	0.014748 0.075750
## 4840	10.569273	0.014849	0.012041 0.078906
## 4841	12.254982	0.017832	0.012856 0.081854
## 4842	9.301775	0.016174	0.013000 0.066406
## 4843	10.273890	0.020953	0.012737 0.080459
## 4844	10.691201	0.014887	0.012104 0.092618
## 4845	5.515149	0.015202	0.012571 0.090456
## 4846	24.151817	0.012920	0.005977 0.102000
## 4847	22.963488	0.013517	0.006168 0.095625
## 4848	9.908542	0.012797	0.013102 0.071398
## 4849	23.777597	0.013010	0.011796 0.087875
## 4850	17.779678	0.016325	0.008838 0.050500
## 4851	2.799304	0.007685	0.005955 0.086555
## 4852	4.333627	0.025008	0.008998 0.061568
## 4853	2.719959	0.016536	0.014167 0.102284
## 4854	7.581964	0.014151	0.013038 0.109875
## 4855	25.912098	0.017824	0.014985 0.079250
## 4856	6.475043	0.016536	0.014793 0.102117
## 4857	9.345132	0.012682	0.012706 0.093192
## 4858	3.344081	0.013121	0.009016 0.087981
## 4859	14.340381	0.015653	0.013701 0.094679
## 4860	11.588600	0.016307	0.013279 0.117344
## 4861	8.649575	0.009930	0.008965 0.101500
## 4862	11.642200	0.017713	0.014425 0.108420
## 4863	18.008783	0.011200	0.012770 0.117125
## 4864	12.928800	0.015123	0.011538 0.094922
## 4865	15.608567	0.016734	0.016593 0.097875
## 4866	29.274529	0.018939	0.013133 0.103250
## 4867	4.082388	0.018172	0.015373 0.099875
## 4868	7.524118	0.011528	0.010724 0.101375
## 4869	5.927923	0.011346	0.012471 0.120000
## 4870	0.627304	0.013983	0.006535 0.115767
## 4871	6.983832	0.017723	0.006888 0.134712
## 4872	4.957495	0.015005	0.006598 0.141283
## 4873	2.930645	0.015763	0.007111 0.139678
## 4874	6.291995	0.010736	0.011819 0.141406
## 4875	7.062621	0.022423	0.010125 0.029889
## 4876	7.354045	0.013661	0.008266 0.039685
## 4877	18.338066	0.009093	0.007062 0.033125
## 4878	12.052573	0.021918	0.010092 0.045164
## 4879	12.991326	0.018053	0.007986 0.075354
## 4880	8.091883	0.017567	0.007233 0.109058
## 4881	7.030609	0.020645	0.008209 0.117990
## 4882	8.392867	0.020712	0.006346 0.121490

## 4883	7.230147	0.019965	0.006299 0.116619
## 4884	14.879127	0.017956	0.010836 0.065074
## 4885	7.680657	0.012174	0.008519 0.060000
## 4886	14.569868	0.018050	0.012679 0.058446
## 4887	6.423454	0.017854	0.010723 0.048573
## 4888	12.617430	0.020082	0.015683 0.044375
## 4889	1.596121	0.019028	0.014273 0.066756
## 4890	4.937140	0.017013	0.014356 0.081622
## 4891	8.960470	0.012930	0.012517 0.061250
## 4892	1.848398	0.016357	0.012896 0.065538
## 4893	13.079848	0.014376	0.011247 0.090057
## 4894	5.290849	0.010141	0.009484 0.067905
## 4895	5.260377	0.016316	0.011715 0.094271
## 4896	8.803286	0.016717	0.012222 0.065476
## 4897	7.185357	0.017387	0.012132 0.068797
## 4898	4.669706	0.016440	0.011308 0.070871
## 4899	17.668194	0.016193	0.009077 0.058750
## 4900	11.772061	0.021500	0.011171 0.053860
## 4901	17.905920	0.019154	0.012497 0.047356
## 4902	18.461325	0.018645	0.010992 0.044625
## 4903	14.105014	0.014723	0.009284 0.086909
## 4904	14.468908	0.014488	0.010229 0.052000
## 4905	22.654593	0.015737	0.011278 0.063625
## 4906	10.145327	0.017816	0.013389 0.071875
## 4907	10.950397	0.010754	0.008419 0.082250
## 4908	7.306354	0.010909	0.006256 0.073750
## 4909	1.492074	0.018959	0.009503 0.069145
## 4910	7.696914	0.017387	0.010721 0.082598
## 4911	6.313562	0.013022	0.012223 0.080908
## 4912	4.964358	0.015936	0.014496 0.087553
## 4913	5.971454	0.015829	0.010068 0.084698
## 4914	7.619567	0.016418	0.011663 0.079337
## 4915	13.901234	0.012816	0.010340 0.079362
## 4916	6.926260	0.017256	0.014098 0.085391
## 4917	5.009987	0.011307	0.010023 0.068605
## 4918	9.626209	0.019053	0.012039 0.093335
## 4919	3.450588	0.015733	0.012395 0.082976
## 4920	8.265790	0.016535	0.011680 0.091705
## 4921	13.930277	0.007999	0.008544 0.093683
## 4922	13.571425	0.016734	0.010056 0.110889
## 4923	4.667021	0.015365	0.009749 0.110600
## 4924	4.296804	0.017258	0.010667 0.110999
## 4925	4.580572	0.019076	0.012196 0.119721
## 4926	4.234379	0.015021	0.011287 0.133000
## 4927	5.322556	0.021036	0.013748 0.099006
## 4928	3.067971	0.015757	0.009342 0.115916
## 4929	4.553843	0.016085	0.005980 0.119068
## 4930	1.367879	0.018095	0.006253 0.145568
## 4931	17.276777	0.014645	0.010260 0.095881
## 4932	1.627748	0.017706	0.012472 0.055295
## 4933	16.654787	0.014527	0.009339 0.080837
## 4934	4.113161	0.015527	0.009323 0.078397
## 4935	1.052777	0.015766	0.012082 0.080625
## 4936	5.365905	0.012370	0.011841 0.053353

## 4937	2.774595	0.016760	0.012131 0.083352
## 4938	0.750236	0.022041	0.012088 0.076848
## 4939	3.903409	0.017714	0.011382 0.060817
## 4940	8.511398	0.015581	0.012848 0.070250
## 4941	10.708732	0.016324	0.012194 0.076674
## 4942	12.506622	0.019940	0.012460 0.082979
## 4943	5.174230	0.021031	0.014237 0.073651
## 4944	10.936255	0.017010	0.012624 0.083105
## 4945	4.936899	0.019072	0.012567 0.085661
## 4946	15.551896	0.014657	0.013541 0.081375
## 4947	11.641474	0.016074	0.013422 0.083783
## 4948	9.018228	0.010491	0.006085 0.096237
## 4949	7.194566	0.017636	0.017769 0.047410
## 4950	7.033541	0.012168	0.010364 0.085410
## 4951	17.243637	0.010288	0.006587 0.071065
## 4952	12.716602	0.014130	0.005444 0.112993
## 4953	14.414701	0.017708	0.008435 0.081121
## 4954	9.567555	0.019597	0.008472 0.058953
## 4955	5.147418	0.012364	0.006230 0.062616
## 4956	10.511122	0.018237	0.015455 0.061853
## 4957	1.247563	0.026742	0.014355 0.079728
## 4958	12.458730	0.016020	0.010619 0.082759
## 4959	15.043792	0.020999	0.011874 0.095097
## 4960	1.999327	0.017383	0.010007 0.092312
## 4961	6.025745	0.022242	0.011231 0.076070
## 4962	3.193166	0.016182	0.012763 0.084167
## 4963	12.133147	0.019514	0.010716 0.107253
## 4964	2.290921	0.018148	0.011353 0.108062
## 4965	17.359425	0.011029	0.009260 0.096750
## 4966	19.934317	0.018439	0.012561 0.103865
## 4967	25.924320	0.019405	0.009969 0.103359
## 4968	16.378771	0.013616	0.008999 0.085603
## 4969	2.860941	0.019256	0.009484 0.105899
## 4970	1.791882	0.008755	0.005642 0.054324
## 4971	1.854829	0.005548	0.007808 0.096307
## 4972	14.197889	0.009750	0.009793 0.110851
## 4973	11.568484	0.010929	0.009059 0.101740
## 4974	3.206201	0.008091	0.005821 0.102273
## 4975	14.497276	0.011405	0.011111 0.089375
## 4976	10.169916	0.010540	0.008593 0.125024
## 4977	4.732424	0.011461	0.009866 0.100801
## 4978	10.154511	0.012877	0.010606 0.108239
## 4979	2.211675	0.011847	0.007153 0.133274
## 4980	11.551383	0.011548	0.004573 0.141101
## 4981	12.473815	0.007628	0.006208 0.160436
## 4982	8.266182	0.021227	0.012726 0.067799
## 4983	6.911122	0.014742	0.010364 0.066385
## 4984	8.993657	0.020618	0.009606 0.060369
## 4985	6.849389	0.018935	0.009256 0.067452
## 4986	15.306640	0.013184	0.009636 0.062316
## 4987	7.547227	0.015491	0.010747 0.078021
## 4988	14.560672	0.014617	0.011769 0.081081
## 4989	6.137182	0.013668	0.007784 0.075611
## 4990	10.123910	0.018687	0.009487 0.074117

## 4991	4.731219	0.010637	0.009055	0.079911
## 4992	8.975358	0.016081	0.013974	0.071696
## 4993	1.077014	0.012128	0.014187	0.087066
## 4994	12.554180	0.017013	0.011660	0.090625
## 4995	5.179536	0.012806	0.008610	0.065794
## 4996	5.327624	0.016116	0.011509	0.069323
## 4997	8.862567	0.014301	0.009972	0.068676
## 4998	6.713686	0.015034	0.011413	0.084091
## 4999	4.715668	0.013567	0.010420	0.093304
##	zcr_var	spectral_centroid_mn	spectral_centroid_var	spectral_roll_off_mn
## 1	0.049107	3406.8662	1363.9906	6796.552
## 2	0.045884	3324.1582	1452.0208	6610.000
## 3	0.044845	3771.9841	855.7665	7488.112
## 4	0.046916	3301.6860	1441.9977	6606.001
## 5	0.067401	3266.0215	1432.1149	6688.795
## 6	0.036726	3324.5254	1451.8527	6565.001
## 7	0.045669	3836.2617	736.4416	7486.948
## 8	0.057308	3883.3008	621.2491	7499.845
## 9	0.053809	3795.9250	865.6313	7359.878
## 10	0.046648	3853.6484	728.9468	7461.855
## 11	0.058199	3384.6072	1443.3616	6509.615
## 12	0.055028	3343.0508	1459.5041	6493.000
## 13	0.059578	3402.0254	1419.0519	6610.186
## 14	0.058282	3842.5828	733.7371	7486.188
## 15	0.044406	3294.6938	1439.0892	6611.001
## 16	0.038928	3275.4924	1432.8220	6530.000
## 17	0.044779	3352.8645	1463.3639	6469.000
## 18	0.041090	3549.0110	1235.9576	6901.352
## 19	0.081193	3427.3630	1344.7513	6668.333
## 20	0.049727	3823.7473	777.3943	7425.496
## 21	0.056863	3829.2988	715.7399	7473.482
## 22	0.082663	3266.5071	1427.3396	6320.999
## 23	0.090901	3772.3909	698.7665	7488.259
## 24	0.046780	3462.2361	1310.3168	6755.471
## 25	0.061689	3777.8035	562.1193	7473.094
## 26	0.065004	3494.4475	1024.6276	7405.139
## 27	0.068398	3743.7598	936.8345	7172.796
## 28	0.066663	3345.7383	1460.6078	6476.000
## 29	0.109018	3745.2598	731.9310	7395.731
## 30	0.113808	3525.3613	1036.1586	7103.573
## 31	0.055358	3830.2139	803.4604	7393.683
## 32	0.054699	3618.7212	1159.3901	7061.046
## 33	0.043294	3820.4436	801.7911	7459.739
## 34	0.048909	3902.9712	585.9767	7557.557
## 35	0.060256	3827.2761	774.4952	7397.549
## 36	0.056366	3358.4629	1432.7809	6571.154
## 37	0.048459	3450.1638	1306.1945	6843.751
## 38	0.054245	3539.7869	1233.6616	6932.433
## 39	0.057993	3627.7224	1120.7097	7064.675
## 40	0.049929	3310.0557	1447.2692	6609.000
## 41	0.075137	3654.2822	875.3076	7504.829
## 42	0.050220	3906.1592	465.0549	7618.857
## 43	0.062300	3319.1724	1449.8893	6590.001
## 44	0.075419	3612.0571	1172.3972	6933.333

## 45	0.054099	3352.4753	1463.4370	6492.999
## 46	0.061447	3573.6545	1226.2915	6898.684
## 47	0.074417	3349.0339	1462.4329	6479.000
## 48	0.071228	3523.6233	1286.9956	6851.472
## 49	0.095643	3536.9966	1271.2036	6773.572
## 50	0.052039	3639.4995	1137.4886	7011.111
## 51	0.055242	3704.4548	1018.4594	7220.178
## 52	0.050053	3737.0928	887.8378	7345.625
## 53	0.052733	3794.3667	844.2946	7325.881
## 54	0.084895	3718.7932	914.1061	7349.298
## 55	0.039506	3795.1365	811.0335	7466.578
## 56	0.081176	3431.8059	1401.1360	6599.110
## 57	0.043977	3854.5513	668.9792	7519.744
## 58	0.075237	3359.7314	1466.5763	6440.000
## 59	0.116570	3382.4368	1411.6875	6528.704
## 60	0.094757	3339.4006	1367.0072	6711.766
## 61	0.057221	3428.0688	1209.4396	7244.070
## 62	0.057051	3522.6794	1247.0656	6905.556
## 63	0.060872	3727.2153	971.3527	7215.873
## 64	0.043596	3559.7781	1239.6848	6910.136
## 65	0.072385	3770.1648	835.7160	7409.594
## 66	0.085590	3852.1394	634.6558	7402.315
## 67	0.098414	3865.8423	534.3568	7567.123
## 68	0.055237	3766.5225	728.0966	7557.965
## 69	0.019125	3580.8640	1094.0100	7238.300
## 70	0.043234	3606.4302	975.3544	7578.830
## 71	0.051096	3581.1082	1210.7601	7051.284
## 72	0.045619	3785.2422	817.2411	7498.055
## 73	0.042615	3527.8713	1229.1515	7013.515
## 74	0.045345	3334.0728	1455.7714	6600.000
## 75	0.049238	3593.2017	1137.5651	7137.502
## 76	0.046307	3410.6836	1294.5979	6997.857
## 77	0.031462	3460.5779	1215.2834	6956.081
## 78	0.034876	3689.3801	919.1503	7332.246
## 79	0.036923	3801.6885	726.5313	7492.831
## 80	0.097403	3832.3335	509.6955	7529.792
## 81	0.044595	3811.7749	800.4696	7437.368
## 82	0.048564	3470.3328	1336.1169	6750.000
## 83	0.071885	3615.6963	1189.0133	6884.146
## 84	0.059802	3860.7549	554.2461	7637.007
## 85	0.048432	3611.6880	1143.0171	7052.273
## 86	0.050871	3589.6458	1122.6489	7126.112
## 87	0.066520	3503.0188	1279.9059	6826.473
## 88	0.044515	3541.1082	1233.7118	6973.650
## 89	0.046536	3762.3130	858.8701	7432.102
## 90	0.054178	3881.1077	601.1567	7563.955
## 91	0.049893	3679.2661	1051.9379	7149.527
## 92	0.042814	3324.9641	1451.5529	6567.000
## 93	0.044436	3591.0566	1181.1440	7018.293
## 94	0.066079	3329.7112	1454.2046	6550.000
## 95	0.067070	3343.1963	1459.5190	6477.000
## 96	0.059583	3446.0586	1220.0856	6929.167
## 97	0.025039	3013.6851	1390.3888	6652.001
## 98	0.021288	3407.7056	971.0307	7350.464

## 99	0.067228	3361.2988	1276.7268	6764.845
## 100	0.080034	3710.9785	967.1898	7293.650
## 101	0.054853	3735.6965	957.0175	7321.537
## 102	0.073918	3361.1045	1466.9939	6495.000
## 103	0.067413	3349.5042	1462.0415	6523.999
## 104	0.066837	3382.5552	1442.4507	6540.385
## 105	0.065950	3625.0151	1161.1183	6980.234
## 106	0.049704	3820.4880	801.5762	7461.315
## 107	0.043471	3791.8572	848.6922	7435.716
## 108	0.038967	3582.7815	1149.5963	7139.533
## 109	0.034048	3382.9978	1382.5425	6761.607
## 110	0.045442	3309.7214	1445.6353	6656.000
## 111	0.036753	3579.4800	1162.5907	7142.857
## 112	0.050055	3316.1345	1448.8794	6599.001
## 113	0.062265	3360.2102	1466.8406	6475.000
## 114	0.059292	3362.1814	1302.5509	6784.378
## 115	0.056728	3126.7214	857.5769	7320.240
## 116	0.038128	3517.4885	1244.7587	6971.528
## 117	0.047739	3504.6985	1155.7927	7080.488
## 118	0.058058	3688.0078	897.9933	7323.633
## 119	0.065013	3733.2312	950.7696	7278.787
## 120	0.053567	3433.9678	1374.2638	6711.209
## 121	0.071428	3319.5305	1449.5165	6501.001
## 122	0.063125	3802.0520	807.6350	7444.891
## 123	0.096825	3829.0168	763.8040	7327.145
## 124	0.072354	3812.7588	796.6307	7433.075
## 125	0.052492	3800.2026	803.1381	7480.320
## 126	0.059676	3819.2930	777.1618	7477.476
## 127	0.059469	3825.7415	748.8242	7503.214
## 128	0.076973	3802.3936	812.6774	7403.804
## 129	0.082820	3605.7324	1156.1011	7012.209
## 130	0.076215	3364.7585	1435.4540	6618.269
## 131	0.075556	3511.1045	1283.1124	6838.236
## 132	0.050223	3811.6997	809.5756	7423.387
## 133	0.057682	3829.9841	742.4706	7516.892
## 134	0.079844	3784.4912	864.4257	7337.653
## 135	0.102569	3336.1370	1457.0302	6539.000
## 136	0.099649	3791.2422	876.9016	7194.620
## 137	0.110901	3611.0188	1203.7200	6708.751
## 138	0.061731	3868.8330	703.8965	7416.202
## 139	0.040624	3846.6265	661.9372	7601.429
## 140	0.052454	3503.9763	1259.7783	6996.429
## 141	0.040793	3782.2317	827.5277	7511.649
## 142	0.046907	3750.6975	898.1950	7447.637
## 143	0.047705	3475.6931	1230.3698	7045.350
## 144	0.059874	3375.2112	1439.3171	6473.078
## 145	0.045188	3774.2764	902.9039	7220.271
## 146	0.054331	3709.4590	1039.1719	7125.455
## 147	0.055223	3747.9700	945.0893	7276.494
## 148	0.060654	3758.6785	912.9355	7290.627
## 149	0.051377	3833.9802	795.7113	7319.847
## 150	0.057783	3848.4187	734.6636	7429.390
## 151	0.080024	3432.6560	1401.4508	6541.964
## 152	0.072379	3792.7632	865.0430	7233.643

## 153	0.060814	3735.6716	973.4344	7234.524
## 154	0.054487	3765.0479	901.1522	7332.434
## 155	0.055037	3825.0576	807.0538	7343.885
## 156	0.047448	3773.9255	915.7704	7241.668
## 157	0.048400	3536.7344	1251.3069	6885.419
## 158	0.058244	3496.8235	1299.5581	6828.032
## 159	0.051743	3905.0195	575.7453	7471.296
## 160	0.055523	3768.2175	888.9821	7340.791
## 161	0.061687	3638.3071	1150.7699	6909.660
## 162	0.050174	3898.8152	647.8432	7378.187
## 163	0.071227	3579.4856	1210.8281	6870.513
## 164	0.049472	3526.1670	1267.1937	6867.857
## 165	0.054348	3847.7871	704.0041	7499.801
## 166	0.054951	3782.8044	886.0742	7242.207
## 167	0.054011	3648.4243	1126.2833	6970.652
## 168	0.051858	3851.8713	704.4824	7523.384
## 169	0.082065	3622.9395	1118.9606	7071.741
## 170	0.060242	3477.2952	1314.4612	6646.096
## 171	0.062543	3555.4524	1135.6388	6989.774
## 172	0.048267	3389.8691	1414.4497	6587.038
## 173	0.047520	3724.9788	828.3301	7522.134
## 174	0.050366	3720.7241	850.1118	7541.532
## 175	0.039393	3570.4490	1175.2412	7093.293
## 176	0.042969	3285.4729	1435.5309	6618.000
## 177	0.040395	3313.3684	1414.8074	6668.270
## 178	0.049008	3411.6438	1365.8236	6765.517
## 179	0.049351	3819.0864	702.3090	7560.886
## 180	0.057987	3304.0308	1443.4099	6570.000
## 181	0.043585	3421.3557	1343.6924	6770.834
## 182	0.040793	3411.9424	1291.7761	6875.783
## 183	0.033187	3602.4563	1010.7161	7343.335
## 184	0.061658	3503.0232	1222.3430	6955.406
## 185	0.051645	3614.2898	983.5056	7344.045
## 186	0.059885	3529.5642	1230.6310	6908.107
## 187	0.041041	3289.9575	1216.7224	7446.991
## 188	0.063134	3357.7466	1465.6915	6510.999
## 189	0.053615	3665.7749	1070.3550	7152.940
## 190	0.057557	3336.6658	1457.1962	6493.002
## 191	0.078602	3463.3423	1358.6779	6651.668
## 192	0.046453	3561.9270	1240.3215	6895.271
## 193	0.087777	3460.3948	1332.7599	6712.905
## 194	0.093644	3598.9465	1154.5779	7031.979
## 195	0.037517	3484.3008	1317.4497	6817.189
## 196	0.058224	3387.0542	1413.1099	6598.149
## 197	0.051965	3537.7927	1251.5642	6863.197
## 198	0.057863	3239.4814	1462.2206	6522.001
## 199	0.059270	3437.5369	1349.2692	6835.835
## 200	0.050164	3577.1887	1193.1827	7102.500
## 201	0.044181	3350.1768	1462.5065	6556.000
## 202	0.052862	3760.5674	906.4991	7342.466
## 203	0.054892	3638.5227	1150.7831	7018.749
## 204	0.062414	3723.5151	979.0197	7231.049
## 205	0.069737	3599.6287	1200.0322	6874.375
## 206	0.074418	3616.6323	1173.5911	6889.882

## 207	0.060513	3817.3196	784.6512	7426.012
## 208	0.080633	3554.4500	1220.5751	6887.500
## 209	0.069949	3663.6487	1069.5930	7163.237
## 210	0.092401	3292.1050	1439.5066	6408.001
## 211	0.083138	3425.5596	1300.6388	6617.969
## 212	0.049272	3359.0596	1466.2676	6441.001
## 213	0.065077	3308.7844	1356.9860	6533.621
## 214	0.095555	3634.8630	1149.7388	6864.205
## 215	0.031156	3416.8206	1341.3696	6870.834
## 216	0.075939	3674.4214	1018.0817	7077.629
## 217	0.076357	3729.1304	997.0763	7109.166
## 218	0.055523	3808.0632	760.4718	7420.000
## 219	0.051989	3821.9060	797.8292	7434.636
## 220	0.103476	3771.6013	805.7926	7362.767
## 221	0.089538	3721.4209	987.1978	7175.412
## 222	0.052501	3553.0310	1203.0497	7020.515
## 223	0.054751	3653.4949	1090.6733	7146.939
## 224	0.056098	3687.9812	996.8605	7265.254
## 225	0.060273	3792.5647	810.5239	7464.402
## 226	0.058470	3599.8870	1154.7153	7035.464
## 227	0.066111	3372.2949	1438.6016	6561.537
## 228	0.074441	3490.4944	1276.1376	6898.529
## 229	0.075037	3803.1692	808.7507	7391.934
## 230	0.072584	3823.8987	742.1730	7493.245
## 231	0.052739	3782.3970	863.9277	7370.373
## 232	0.053575	3319.1160	1450.0383	6560.001
## 233	0.059345	3756.2817	899.9128	7368.921
## 234	0.056759	3521.8230	1228.6659	6960.811
## 235	0.086692	3827.8745	736.2274	7445.134
## 236	0.078683	3932.6807	500.7807	7487.507
## 237	0.044292	3502.3149	1279.9983	6941.911
## 238	0.049226	3358.5557	1433.0227	6664.424
## 239	0.044899	3456.1155	1331.2102	6843.549
## 240	0.040554	3341.9194	1426.1279	6660.577
## 241	0.054555	3794.8845	844.3945	7336.471
## 242	0.062895	3689.7961	996.8480	7225.848
## 243	0.064453	3650.3093	1114.0908	7093.085
## 244	0.056756	3776.1968	897.2061	7335.667
## 245	0.061111	3676.4971	1062.1790	7126.922
## 246	0.051780	3778.8767	868.1844	7307.187
## 247	0.053189	3592.1284	1111.4150	7117.934
## 248	0.049202	3784.4844	760.5731	7538.305
## 249	0.050815	3549.5422	1137.3110	7143.480
## 250	0.057741	3485.0242	1318.0991	6757.031
## 251	0.060081	3602.7610	1141.4448	7040.342
## 252	0.028322	2901.0923	1522.9874	6703.704
## 253	0.037224	3779.7361	791.1823	7551.823
## 254	0.043749	3813.3865	727.2404	7574.192
## 255	0.056304	3675.8948	946.3511	7335.385
## 256	0.040668	3821.0928	679.0012	7602.501
## 257	0.070570	3794.8630	807.0887	7408.064
## 258	0.036129	3325.8167	1452.6151	6599.001
## 259	0.037987	3738.8486	909.7891	7387.501
## 260	0.043442	3810.1804	783.9951	7487.122

## 261	0.037692	3849.8328	707.8137	7536.790
## 262	0.058541	3573.1082	1121.6606	7078.889
## 263	0.053467	3734.8765	895.3831	7352.365
## 264	0.050127	3515.2112	1209.1577	6987.500
## 265	0.056126	3465.4612	1311.3546	6836.719
## 266	0.042710	3396.3420	1416.8478	6642.593
## 267	0.034027	3322.6487	1451.4696	6604.001
## 268	0.065879	3484.2810	1295.4601	6857.576
## 269	0.034569	3342.8640	1459.8419	6595.999
## 270	0.042595	3541.1018	1234.6077	6954.054
## 271	0.047430	3531.9822	1249.6990	6932.640
## 272	0.047882	3342.3706	1426.0580	6635.578
## 273	0.056087	3345.7307	1461.1323	6540.000
## 274	0.043804	3706.8425	983.3931	7311.884
## 275	0.056258	3459.5840	1332.5212	6825.001
## 276	0.048003	3426.0129	1344.7937	6833.335
## 277	0.059669	3710.9946	1010.6489	7208.190
## 278	0.066538	3735.5508	957.4882	7286.153
## 279	0.035712	3333.1631	1456.0173	6579.000
## 280	0.042644	3266.5945	1427.4569	6646.000
## 281	0.057484	3795.6082	860.6137	7289.331
## 282	0.053774	3754.9788	946.9818	7245.150
## 283	0.062861	3351.8669	1463.1801	6462.999
## 284	0.063483	3802.5842	845.8866	7325.001
## 285	0.055938	3714.0171	993.7843	7209.167
## 286	0.059992	3470.9702	1336.4259	6743.549
## 287	0.054218	3508.2964	1281.7410	6866.912
## 288	0.043590	3517.6204	1060.4385	7231.863
## 289	0.053910	3486.0708	1342.1234	6759.679
## 290	0.043337	3733.5779	998.2589	7270.833
## 291	0.042769	3652.5027	1127.4698	7091.848
## 292	0.039296	3721.3218	1042.3448	7142.273
## 293	0.045039	3582.6257	1229.0778	6929.606
## 294	0.041072	3684.1313	1086.6757	7098.501
## 295	0.051584	3766.5210	956.8886	7254.545
## 296	0.049139	3709.3689	1039.1423	7158.184
## 297	0.055754	3499.3674	1322.9045	6763.280
## 298	0.057197	3437.9956	1403.6442	6587.501
## 299	0.044480	3726.3779	1023.9154	7152.194
## 300	0.049528	3850.5735	770.4463	7433.894
## 301	0.088849	3371.0415	1471.3353	6403.000
## 302	0.061882	3754.2712	986.0677	7150.002
## 303	0.048893	3681.5950	1097.7944	7064.288
## 304	0.053675	3617.7505	1189.6071	6940.854
## 305	0.064186	3683.4377	1110.6866	6878.646
## 306	0.066057	3676.3872	1121.3645	6954.256
## 307	0.050196	3455.5698	1382.3186	6654.312
## 308	0.064135	3783.2043	911.1678	7275.684
## 309	0.059744	3765.8591	949.2129	7216.045
## 310	0.062523	3369.5664	1470.7347	6415.000
## 311	0.065762	3434.3972	1402.2137	6593.751
## 312	0.072041	3462.4834	1385.0531	6539.656
## 313	0.080806	3415.8105	1424.5707	6486.111
## 314	0.091830	3418.9067	1425.8441	6458.333

## 315	0.060507	3834.5242	808.6592	7378.459
## 316	0.054976	3772.5725	950.7209	7225.374
## 317	0.070996	3746.6167	984.1268	7189.516
## 318	0.055121	3371.4163	1471.4814	6439.999
## 319	0.059520	3368.5684	1470.2413	6426.000
## 320	0.055801	3536.5876	1251.9237	6856.946
## 321	0.062901	3362.6941	1467.7850	6508.000
## 322	0.058242	3722.4912	1013.5771	7171.553
## 323	0.065144	3511.9871	1327.5311	6707.031
## 324	0.071369	3617.6445	1189.6527	6853.660
## 325	0.059610	3570.8699	1262.5765	6769.446
## 326	0.059760	3583.7842	1229.6542	6844.080
## 327	0.048466	3628.3867	1147.9661	7087.500
## 328	0.062760	3522.9458	1286.8374	6813.973
## 329	0.048751	3666.2898	1118.4188	7079.787
## 330	0.064291	3835.3142	779.5412	7426.483
## 331	0.064193	3521.7661	1265.7332	6881.431
## 332	0.071392	3482.8992	1317.3959	6736.718
## 333	0.061979	3492.0732	1320.3365	6771.094
## 334	0.059353	3481.2986	1340.1760	6732.260
## 335	0.059352	3517.5239	1306.5485	6778.030
## 336	0.058972	3672.5947	1095.3625	7063.779
## 337	0.073792	3389.5859	1445.4723	6457.693
## 338	0.057146	3379.4343	1441.1813	6572.115
## 339	0.051211	3689.3096	1076.6842	7088.236
## 340	0.061100	3363.8994	1468.3408	6455.000
## 341	0.052014	3585.8079	1230.1134	6905.265
## 342	0.057762	3673.6226	1095.6089	7083.675
## 343	0.072602	3388.2537	1444.9312	6577.886
## 344	0.054361	3752.9280	946.1542	7304.849
## 345	0.067563	3721.4536	1004.2557	7215.677
## 346	0.096109	3663.0073	1117.6680	6529.255
## 347	0.123574	3621.5730	1029.1097	6852.120
## 348	0.052701	3593.0288	1049.7341	7104.808
## 349	0.060164	3412.1140	1127.4132	7117.615
## 350	0.045677	3726.8091	899.7093	7396.576
## 351	0.044794	3414.4539	1315.9071	6857.259
## 352	0.040932	3784.8943	813.6451	7532.692
## 353	0.046660	3433.9395	1374.1089	6774.138
## 354	0.038124	3898.6069	575.1310	7734.657
## 355	0.052188	3592.4805	1166.3198	7135.121
## 356	0.049778	3338.5425	1457.5575	6589.001
## 357	0.055453	3524.0969	1247.1071	6964.583
## 358	0.057086	3334.1594	1455.9238	6535.000
## 359	0.045937	3828.5579	752.2202	7509.722
## 360	0.011202	3538.2610	795.0631	7603.055
## 361	0.072065	3573.9270	1225.9170	6709.210
## 362	0.059414	3688.9248	1076.3872	7060.785
## 363	0.103480	3273.7722	1430.1511	6283.000
## 364	0.061832	3476.9290	1314.5615	6652.345
## 365	0.041308	3287.8484	1437.5405	6601.000
## 366	0.058676	3401.5845	1362.9208	6657.761
## 367	0.050064	3606.4641	1141.8458	7020.454
## 368	0.048316	3508.0857	1303.1534	6850.002

## 369	0.078881	3563.7310	1223.0533	6938.817
## 370	0.059167	3650.7356	903.2858	7461.559
## 371	0.053360	3305.2344	1471.0471	6487.000
## 372	0.100946	3802.3313	699.5773	7426.526
## 373	0.042207	3410.2427	1294.3818	6788.283
## 374	0.059753	3742.7412	569.8819	7503.816
## 375	0.059764	3787.9812	758.7283	7387.154
## 376	0.075886	3203.5183	1214.9213	7215.441
## 377	0.063344	3842.4270	657.1572	7447.317
## 378	0.087425	3339.5146	1315.3732	6707.258
## 379	0.187848	3013.4041	1398.8585	6280.000
## 380	0.092886	3348.4561	1295.9763	6726.564
## 381	0.099666	3629.6184	887.8508	7295.886
## 382	0.049077	3496.0076	1278.2990	6799.267
## 383	0.104539	3446.5098	1248.4869	6650.000
## 384	0.097741	3517.3274	1165.8407	6853.049
## 385	0.067700	3219.2690	1389.1140	6480.769
## 386	0.053713	3263.7710	1429.1556	6437.002
## 387	0.046798	3406.3555	1174.1831	6857.238
## 388	0.069608	3743.1392	707.9043	7374.597
## 389	0.045173	3836.5249	583.9455	7669.673
## 390	0.064835	3602.7751	1102.4042	7076.063
## 391	0.052977	3560.1672	1142.7222	7111.627
## 392	0.058516	3563.1963	1115.9688	7139.446
## 393	0.141959	3624.0813	1085.2842	6895.917
## 394	0.086285	3307.2874	1375.6864	6610.715
## 395	0.070669	3596.6538	1124.4602	7116.112
## 396	0.110487	3343.7485	1460.1322	6325.000
## 397	0.064026	3654.6721	1128.1388	6986.958
## 398	0.068098	3440.0107	1376.4844	6629.311
## 399	0.050164	3821.4575	671.7768	7641.304
## 400	0.044832	3441.9863	1326.0945	6839.516
## 401	0.053226	3355.5994	1401.1876	6639.817
## 402	0.036737	3302.6252	1442.9414	6621.000
## 403	0.045603	3612.6025	1103.4524	7157.447
## 404	0.044003	3457.5500	1286.1637	6897.729
## 405	0.067361	3470.0164	1202.2073	6879.607
## 406	0.057888	3567.0183	1206.5525	6893.591
## 407	0.060627	3337.6567	1456.9900	6473.000
## 408	0.069465	3736.5271	934.9243	7191.178
## 409	0.075192	3691.2974	1088.5940	6878.499
## 410	0.088944	3595.2603	1215.5734	6703.845
## 411	0.056873	3840.2502	784.3467	7309.750
## 412	0.065025	3388.5920	1445.0461	6446.154
## 413	0.070353	3731.6990	972.4086	7095.236
## 414	0.055409	3613.6431	1172.8862	7007.737
## 415	0.044876	3828.6692	738.5150	7570.534
## 416	0.044971	3650.0049	1055.2273	7208.655
## 417	0.064350	3356.9980	1465.3248	6516.000
## 418	0.038552	3277.5510	1431.5457	6610.000
## 419	0.039776	3346.1001	1461.1093	6581.000
## 420	0.053657	3074.5693	1296.1005	6696.429
## 421	0.065386	3604.3362	1154.8580	6948.837
## 422	0.062388	3540.9512	1215.6246	6930.264

## 423	0.073633	3876.5781	610.6530	7511.747
## 424	0.086199	3631.9968	1083.9249	7101.531
## 425	0.077861	3443.5786	1351.2196	6660.834
## 426	0.073055	3865.8655	605.8134	7530.503
## 427	0.062099	3662.8201	927.9862	7324.625
## 428	0.056353	3876.2253	667.6099	7446.763
## 429	0.066631	3699.4048	1046.6526	7118.056
## 430	0.051670	3783.1245	886.0248	7333.119
## 431	0.062793	3340.5359	1458.6831	6468.001
## 432	0.068458	3349.0879	1462.0200	6429.000
## 433	0.049988	3351.3738	1462.9026	6484.002
## 434	0.046163	3604.5981	1154.9039	7000.582
## 435	0.079540	3356.9897	1465.2561	6378.000
## 436	0.085577	3378.0391	1132.8329	6942.046
## 437	0.042888	3271.8174	1430.2900	6515.000
## 438	0.046585	3645.9773	945.6169	7284.765
## 439	0.051822	3406.6833	1391.4335	6630.357
## 440	0.043649	3663.0493	1038.1100	7136.574
## 441	0.044571	3488.7209	1275.8938	6858.089
## 442	0.054295	3724.6331	797.3040	7429.256
## 443	0.045386	3640.4348	986.2039	7270.341
## 444	0.066002	3271.7935	1432.4546	6513.000
## 445	0.051360	3210.9351	1410.3478	6557.001
## 446	0.054069	3317.8953	1449.5090	6559.001
## 447	0.063494	3468.2512	1270.4049	6874.267
## 448	0.034625	3250.6001	1423.2202	6643.000
## 449	0.054503	3639.1399	864.0067	7423.378
## 450	0.045292	3745.8066	793.9810	7504.787
## 451	0.060505	3632.8579	1086.6088	7156.631
## 452	0.054770	3756.1484	870.4553	7411.710
## 453	0.044297	3846.3674	706.7807	7550.612
## 454	0.095163	3685.7852	676.0575	7561.577
## 455	0.084274	3286.2825	1298.8793	6635.486
## 456	0.101182	3504.7400	1282.7931	6730.148
## 457	0.088988	3546.9846	1235.6708	6829.730
## 458	0.087182	3614.9590	1105.7750	6945.746
## 459	0.124587	3371.5769	1230.9116	6629.167
## 460	0.108360	3723.8582	890.8582	7156.562
## 461	0.073102	3333.0354	1456.8538	6440.000
## 462	0.062280	3632.5349	1163.5295	6909.302
## 463	0.052377	3326.5657	1452.1189	6595.000
## 464	0.053321	3535.0930	1250.6896	6905.556
## 465	0.060995	3352.5823	1463.6377	6504.001
## 466	0.055351	3797.8821	718.4113	7587.814
## 467	0.066266	3378.0610	995.1523	7526.596
## 468	0.105419	3349.7356	1462.1237	6359.000
## 469	0.092675	3571.2969	1243.8507	6623.649
## 470	0.111080	3370.9592	1471.3086	6157.000
## 471	0.073543	3466.9658	1359.9727	6635.000
## 472	0.086366	3342.4583	1459.0854	6453.000
## 473	0.108168	3404.7361	1420.1733	6375.927
## 474	0.078586	3610.1072	1117.4628	6858.152
## 475	0.046935	3572.2083	1175.2646	7029.879
## 476	0.058165	3309.1118	1445.8723	6518.002

## 477	0.063767	3334.5149	1424.0333	6559.616
## 478	0.048399	3604.2063	1170.3285	7012.501
## 479	0.051296	3352.4551	1463.6218	6520.001
## 480	0.053152	3598.3481	1153.8080	7068.603
## 481	0.048248	3628.5803	1095.7062	7096.355
## 482	0.063859	3467.8855	1311.6165	6751.563
## 483	0.041815	3441.3811	1302.0504	6859.376
## 484	0.037447	3389.0332	1413.7216	6679.630
## 485	0.042527	3630.2983	1120.9216	7138.587
## 486	0.064229	3481.6633	1232.6619	7002.776
## 487	0.027038	3587.8762	1196.7709	7100.624
## 488	0.042745	3502.7234	1032.1027	7368.255
## 489	0.066776	3654.3914	1067.9679	7086.274
## 490	0.115297	3644.4937	1032.4744	7054.546
## 491	0.077173	3539.2996	1199.0790	6920.511
## 492	0.101162	3544.0759	1216.9100	6820.396
## 493	0.092675	3507.8965	1243.5798	6753.473
## 494	0.045029	3556.1562	1203.2021	7016.667
## 495	0.051596	3850.5923	689.8105	7537.986
## 496	0.062584	3638.5779	1073.8783	7161.999
## 497	0.065630	3691.4868	941.8108	7254.732
## 498	0.066357	3361.5137	1467.3542	6349.001
## 499	0.047292	3884.2766	639.5201	7470.229
## 500	0.043532	3344.4338	1460.2606	6476.000
## 501	0.042390	3665.6721	1093.4680	7081.123
## 502	0.040663	3343.6870	1459.9471	6516.999
## 503	0.061177	3359.2964	1466.3751	6480.000
## 504	0.067622	3612.9939	1188.3271	6895.735
## 505	0.056809	3346.3152	1460.9341	6532.000
## 506	0.057624	3551.3784	1256.1992	6856.251
## 507	0.074781	3360.2527	1466.8904	6401.002
## 508	0.068267	3522.4590	1286.7339	6775.002
## 509	0.074887	3537.7673	1271.1871	6873.571
## 510	0.094525	3634.1685	1136.0815	6981.667
## 511	0.054077	3927.7322	518.1716	7507.021
## 512	0.050085	3598.2175	1168.0360	7043.454
## 513	0.058670	3357.1494	1465.5612	6524.000
## 514	0.056471	3534.5940	1250.1215	6916.668
## 515	0.059418	3358.2502	1465.9473	6558.000
## 516	0.050865	3636.4824	868.2455	7502.535
## 517	0.040431	2850.7546	1230.1412	6893.549
## 518	0.054449	2680.9229	1179.4686	6582.000
## 519	0.050926	3536.7546	947.1728	7338.283
## 520	0.038978	3300.8728	1408.9198	6653.846
## 521	0.054132	3464.0566	1247.9041	6914.286
## 522	0.057367	3642.4185	959.7283	7258.728
## 523	0.060381	3542.3267	1252.8228	6890.973
## 524	0.067747	3586.8862	1180.5179	6945.121
## 525	0.064546	3757.3191	905.7980	7329.111
## 526	0.065050	3733.2773	949.5466	7285.230
## 527	0.061455	3474.9749	1314.3536	6806.251
## 528	0.053861	3640.5986	1035.7983	7280.454
## 529	0.038273	3327.0337	1452.9777	6581.999
## 530	0.039983	3612.9031	1157.9878	7094.188

## 531	0.026988	3615.0854	1104.3058	7201.063
## 532	0.028868	3318.0032	1449.7765	6634.001
## 533	0.021534	3545.8528	1199.9327	7108.333
## 534	0.023258	3588.8442	1150.7756	7161.046
## 535	0.036890	3519.3735	1264.7338	6965.000
## 536	0.035132	3353.7944	1431.1683	6660.577
## 537	0.037847	3448.3113	1352.9242	6791.667
## 538	0.069572	3337.3850	1457.0769	6491.000
## 539	0.056962	3413.6865	1366.0464	6755.173
## 540	0.038930	3528.8557	1211.5078	7055.264
## 541	0.059248	3353.1064	1463.6545	6505.001
## 542	0.049847	3328.7522	1453.3860	6596.001
## 543	0.055151	3805.7761	786.5986	7503.573
## 544	0.049169	3772.9690	742.8533	7544.472
## 545	0.053739	3320.4863	1449.6792	6573.000
## 546	0.047342	3360.6584	1325.4196	6754.167
## 547	0.076256	3159.7837	1393.9199	6603.000
## 548	0.025216	3366.9641	1277.2424	6940.627
## 549	0.112483	3119.1892	1359.2415	6568.269
## 550	0.056886	3428.8289	1199.0345	7047.296
## 551	0.086971	3447.6382	1222.7218	6972.917
## 552	0.081760	3568.8582	1174.6128	7008.537
## 553	0.063259	3473.6421	1270.8212	6890.440
## 554	0.051243	3343.6877	1223.5005	6918.573
## 555	0.032606	3485.7158	1274.3956	6852.208
## 556	0.036042	3482.4414	1252.7090	6895.715
## 557	0.041695	3458.3860	1209.2876	6934.461
## 558	0.041739	3698.8086	922.5837	7323.189
## 559	0.040083	3317.3745	1449.1766	6514.001
## 560	0.035407	3057.0076	1047.9952	7035.368
## 561	0.026942	3108.4246	1362.2101	6660.000
## 562	0.022743	3085.0112	1351.7634	6662.000
## 563	0.037260	3263.3284	1160.7380	7030.556
## 564	0.105892	3332.6082	1454.7178	6286.001
## 565	0.052900	3674.8948	1040.4490	7258.797
## 566	0.061290	3490.3928	1319.4663	6817.188
## 567	0.057861	3558.2417	1228.6350	6898.937
## 568	0.069879	3705.2803	975.2574	7121.774
## 569	0.065617	3754.0693	893.6439	7270.667
## 570	0.063394	3759.0708	876.5036	7253.206
## 571	0.056314	3573.3806	1192.7072	6906.876
## 572	0.053018	3424.3125	1319.0804	6745.161
## 573	0.075125	3677.6768	1013.0413	7114.473
## 574	0.065780	3866.2639	579.6337	7521.354
## 575	0.062001	3940.0103	266.5255	7651.167
## 576	0.073953	3923.8020	403.5617	7597.396
## 577	0.051273	3859.9614	603.9016	7602.939
## 578	0.053684	3862.2964	660.4230	7463.558
## 579	0.076001	2931.4385	1496.8066	7168.283
## 580	0.039099	2987.8167	1579.9288	7017.105
## 581	0.037160	3359.0857	1466.2283	6669.000
## 582	0.048604	3562.5293	1205.0813	7065.386
## 583	0.045467	3338.7695	1457.5531	6566.000
## 584	0.046021	3475.9827	1292.6082	6897.728

## 585	0.043620	3374.7424	1439.4497	6594.230
## 586	0.042210	3627.4080	1120.5598	7156.521
## 587	0.045826	3335.2134	1456.2671	6590.000
## 588	0.050484	3587.6882	1196.3947	7033.125
## 589	0.038284	3330.4438	1454.0061	6593.999
## 590	0.037588	3337.9712	1457.2095	6597.001
## 591	0.037592	3329.6277	1454.0022	6601.000
## 592	0.043529	3487.7214	1318.7528	6863.281
## 593	0.041822	3554.2639	1219.7145	7019.079
## 594	0.043135	3351.1841	1429.7133	6626.923
## 595	0.054058	3355.2920	1431.3253	6603.846
## 596	0.054351	3398.1279	1417.4930	6674.074
## 597	0.032652	3347.1431	1397.2853	6726.853
## 598	0.050222	3336.8782	1457.0479	6595.000
## 599	0.047918	3386.8215	1412.8687	6679.629
## 600	0.056998	3349.4690	1462.0709	6536.000
## 601	0.055493	3542.3398	1252.8757	6943.750
## 602	0.046762	3526.1660	1267.0930	6960.714
## 603	0.049129	3385.6201	1382.8981	6701.786
## 604	0.056296	3766.6499	877.3044	7309.935
## 605	0.046229	3571.8586	1175.6931	7030.488
## 606	0.049215	3873.0884	529.7078	7692.537
## 607	0.048545	3706.0889	975.9167	7269.355
## 608	0.043611	3808.9683	799.9983	7438.423
## 609	0.047344	3823.3152	745.3613	7491.817
## 610	0.050095	3895.9690	550.6330	7581.522
## 611	0.054766	3620.4648	1043.3882	7234.053
## 612	0.044364	3557.0901	1277.8416	6740.715
## 613	0.060170	3364.3811	1468.4635	6323.000
## 614	0.051196	3364.6533	1468.5796	6368.001
## 615	0.057308	3690.0222	1014.6378	7303.070
## 616	0.026523	3537.0488	1214.1721	7088.158
## 617	0.074787	3431.0100	1373.2357	6639.655
## 618	0.037747	3431.1570	1299.0885	6892.188
## 619	0.074339	3466.0300	1311.4073	6767.968
## 620	0.044575	3556.4221	1171.4355	7062.805
## 621	0.039651	3424.6821	1319.2150	6847.581
## 622	0.051888	3420.2693	1343.0104	6733.334
## 623	0.035006	3325.3567	1451.9623	6643.000
## 624	0.065028	3556.9856	1239.0109	6925.675
## 625	0.044844	3348.7095	1461.7872	6592.000
## 626	0.058887	3622.9324	1146.3568	7055.113
## 627	0.042539	3534.9905	1214.1985	7005.264
## 628	0.045594	3832.2515	673.6550	7574.813
## 629	0.052149	3360.2307	1466.7362	6408.000
## 630	0.056831	3353.4727	1464.0688	6412.000
## 631	0.069282	2539.3396	1632.2212	6503.000
## 632	0.054727	3800.9404	821.1859	7425.833
## 633	0.051100	3601.5217	1169.2096	6979.762
## 634	0.044615	3810.5403	827.5327	7394.943
## 635	0.058947	3792.2659	844.3511	7300.296
## 636	0.054397	3782.2385	863.5919	7310.186
## 637	0.045494	3449.2695	1353.3936	6775.000
## 638	0.055322	3684.0601	1023.9153	7186.607

## 639	0.049816	3873.6724	607.5577	7545.981
## 640	0.046981	3337.6467	1457.3376	6536.000
## 641	0.049419	3466.6824	1334.7593	6771.773
## 642	0.055489	3346.0137	1460.7704	6537.000
## 643	0.051246	3555.0754	1203.2152	7025.642
## 644	0.046367	3322.7590	1450.7906	6571.000
## 645	0.044581	3331.2195	1454.6786	6602.999
## 646	0.041890	3593.6331	1151.7646	7118.022
## 647	0.035733	3640.7571	1063.1300	7256.863
## 648	0.044198	3779.9932	770.9205	7522.029
## 649	0.064856	3344.2576	1460.1641	6485.000
## 650	0.057495	3525.6926	1228.4973	6940.541
## 651	0.048871	3348.0593	1461.5261	6535.000
## 652	0.055244	3364.5706	1468.6249	6540.000
## 653	0.066091	3367.5105	1469.8063	6431.000
## 654	0.059796	3350.9077	1462.7430	6533.000
## 655	0.067633	3447.9456	1379.4338	6681.897
## 656	0.074784	3750.6455	968.8134	7276.562
## 657	0.049002	3536.6584	1270.7449	6892.858
## 658	0.063688	3350.7188	1462.7981	6457.000
## 659	0.050132	3608.5774	1142.0237	7056.818
## 660	0.053880	3335.5054	1456.3921	6552.999
## 661	0.056374	3724.5889	955.2731	7263.076
## 662	0.053340	3828.6831	738.9599	7471.429
## 663	0.044276	3737.9331	921.5640	7350.000
## 664	0.041673	3553.1362	1237.5488	6965.540
## 665	0.045715	3346.3286	1460.7758	6566.000
## 666	0.050510	3333.4885	1455.4795	6601.999
## 667	0.056037	3649.4087	1154.3115	7024.432
## 668	0.054674	3801.1475	878.0602	7222.150
## 669	0.062871	3371.4749	1471.5422	6399.000
## 670	0.077891	3598.7766	1183.6155	6873.780
## 671	0.066664	3637.9863	1150.7122	6956.250
## 672	0.069920	3597.1316	1216.1844	6808.974
## 673	0.055188	3495.5774	1298.8661	6841.667
## 674	0.048591	3494.1438	1238.0658	7013.888
## 675	0.056356	3794.8579	756.9597	7530.189
## 676	0.059674	3823.4524	710.2615	7544.423
## 677	0.049381	3763.3203	845.2697	7475.893
## 678	0.046742	3643.4512	1006.6652	7310.528
## 679	0.065905	3685.1631	965.7290	7307.937
## 680	0.062753	3694.7517	1025.6035	7141.964
## 681	0.051494	3333.6248	1455.7648	6531.000
## 682	0.041293	3316.0830	1447.9015	6621.000
## 683	0.043552	2188.2629	1504.6359	7360.851
## 684	0.052014	3943.8386	398.3223	7601.743
## 685	0.052444	3905.4663	385.7654	7697.994
## 686	0.055076	3737.3909	915.2892	7338.029
## 687	0.065922	3783.8682	682.7541	7556.153
## 688	0.061932	3865.0850	572.5771	7573.689
## 689	0.064185	3915.2122	434.9635	7646.042
## 690	0.047085	3915.2554	481.0159	7649.633
## 691	0.050039	3833.1033	749.2054	7481.194
## 692	0.054014	3423.7585	1369.9979	6717.242

## 693	0.054248	3524.1458	1163.3104	7059.145
## 694	0.059576	3687.9822	963.8804	7273.809
## 695	0.078555	3538.3818	1167.1115	7026.221
## 696	0.066778	3493.5896	1278.2665	6826.471
## 697	0.051738	3355.6965	1402.4119	6646.296
## 698	0.053989	3367.4692	1350.6998	6739.656
## 699	0.049447	3309.6787	1412.9268	6641.347
## 700	0.051949	3921.6431	468.3529	7605.950
## 701	0.050216	3921.7966	475.9224	7554.183
## 702	0.054057	3880.3833	545.0111	7571.582
## 703	0.064565	3907.1194	370.0755	7654.603
## 704	0.070276	3871.5791	353.4596	7657.453
## 705	0.068550	3876.2712	435.7551	7633.200
## 706	0.067476	3853.6938	444.8906	7617.454
## 707	0.064158	3838.8718	568.7643	7563.034
## 708	0.061512	3842.4827	508.3143	7585.651
## 709	0.073641	3862.8140	482.5019	7606.500
## 710	0.059494	3850.2163	604.4806	7558.906
## 711	0.058998	3882.8232	441.0218	7626.059
## 712	0.058987	3860.2954	586.7902	7521.841
## 713	0.065388	3898.8984	450.4761	7595.716
## 714	0.064336	3882.7822	484.7295	7645.202
## 715	0.053718	3908.2683	377.3788	7698.320
## 716	0.054427	3908.6101	188.6697	7726.443
## 717	0.050268	3882.6555	498.0964	7667.645
## 718	0.058200	3850.1003	532.3336	7684.124
## 719	0.053162	3936.5308	330.5131	7701.673
## 720	0.047012	3831.0784	675.7099	7579.293
## 721	0.058049	3879.0457	577.3290	7607.356
## 722	0.088539	3316.4812	1449.1194	6490.000
## 723	0.066994	3655.6501	1057.4557	7155.771
## 724	0.043395	3788.4714	828.5033	7407.673
## 725	0.059820	3425.6255	1317.9883	7045.834
## 726	0.047238	3747.7712	968.1682	7242.970
## 727	0.065898	3727.8479	988.3571	7232.378
## 728	0.046305	3703.7378	999.8794	7290.679
## 729	0.048756	3498.1675	1299.7124	6863.636
## 730	0.045912	3727.4971	979.7035	7302.825
## 731	0.045757	3811.6094	822.5246	7467.779
## 732	0.047571	3773.2954	890.3987	7449.999
## 733	0.042085	3786.9160	804.5646	7520.161
## 734	0.039234	3607.0920	1155.8424	7134.301
## 735	0.043375	3558.7078	1239.5194	6982.432
## 736	0.053706	3438.0986	1349.1182	6791.666
## 737	0.035524	3448.3608	1353.1180	6839.999
## 738	0.043552	3570.7258	1207.6349	7091.025
## 739	0.044756	3448.5081	1328.1648	6858.063
## 740	0.042564	3491.3328	1297.3815	6860.606
## 741	0.055210	3460.9514	1332.8896	6808.065
## 742	0.049807	3593.6604	1151.7996	7126.164
## 743	0.065049	3341.0916	1458.6168	6551.000
## 744	0.047880	3684.1499	1013.0440	7307.456
## 745	0.061766	3619.1775	1117.6320	7094.565
## 746	0.056503	3335.2129	1456.0000	6579.999

## 747	0.049889	3471.5725	1312.8163	6828.125
## 748	0.045197	3554.3452	1220.1110	7029.605
## 749	0.044367	3689.9016	1055.2014	7254.246
## 750	0.053834	3627.9404	1133.8459	7132.778
## 751	0.059566	3725.9937	970.7986	7296.429
## 752	0.066623	3448.3518	1353.0886	6773.334
## 753	0.064592	3520.1677	1285.6750	6863.972
## 754	0.057809	3606.2114	1155.6648	7090.116
## 755	0.071567	3349.1321	1462.0385	6484.000
## 756	0.081227	3379.1201	1441.1606	6446.154
## 757	0.042943	3386.3389	1412.6620	6695.371
## 758	0.073293	3497.9641	1257.7201	6857.143
## 759	0.044989	3795.4670	859.9312	7364.938
## 760	0.046704	3360.6917	1466.9326	6505.001
## 761	0.041804	3758.5762	933.1922	7323.188
## 762	0.041476	3815.3123	818.8363	7420.604
## 763	0.036419	3812.1946	800.3807	7453.682
## 764	0.040313	3402.3135	1371.5645	6790.833
## 765	0.044589	3807.1157	760.4294	7569.522
## 766	0.050195	3820.3455	730.6355	7526.096
## 767	0.054985	3713.6448	1011.2664	7206.465
## 768	0.050942	3801.9351	790.3413	7499.742
## 769	0.051661	3334.8250	1456.0265	6551.000
## 770	0.054201	3779.4126	832.5246	7430.459
## 771	0.057806	3348.3413	1462.2548	6484.000
## 772	0.060551	3759.2307	881.9266	7384.091
## 773	0.054349	3761.8145	913.4674	7350.694
## 774	0.082189	3419.0652	1369.4502	6558.621
## 775	0.053483	3574.9341	1093.8025	7140.425
## 776	0.045077	3646.6150	1089.4564	7170.917
## 777	0.047501	3744.8606	874.4767	7423.718
## 778	0.064904	3859.8357	611.6578	7575.001
## 779	0.047144	3694.0818	1006.6641	7249.140
## 780	0.052215	3807.2830	791.2690	7485.050
## 781	0.044240	3734.6963	908.7706	7380.207
## 782	0.047570	3872.7498	537.6283	7686.138
## 783	0.045705	3927.1416	492.2768	7640.866
## 784	0.039286	3833.6973	795.4921	7416.754
## 785	0.048704	3735.2036	973.3171	7241.667
## 786	0.040303	3826.3064	781.9439	7480.749
## 787	0.037676	3839.3206	736.7437	7514.379
## 788	0.038964	3877.0012	691.4423	7520.576
## 789	0.044149	3786.6172	869.6429	7334.377
## 790	0.059773	3663.2163	1092.9325	7097.450
## 791	0.045284	3831.3716	673.6349	7574.815
## 792	0.042975	3759.3291	926.1594	7332.856
## 793	0.055457	3670.2810	1094.6624	7144.389
## 794	0.043651	3364.8718	1468.7345	6533.000
## 795	0.044897	3796.6846	895.2260	7427.631
## 796	0.056940	3358.4094	1338.3147	7034.659
## 797	0.065435	3836.5215	749.6592	7464.679
## 798	0.041205	3461.8435	1332.7932	6762.096
## 799	0.088877	3347.5945	1461.4529	6493.000
## 800	0.052986	3559.0618	1203.5618	6958.334

## 801	0.042859	3341.2412	1458.3606	6518.000
## 802	0.075445	3363.5286	1468.0842	6465.000
## 803	0.068098	3625.2920	1161.2336	7025.000
## 804	0.035153	3607.0945	1098.9583	7178.125
## 805	0.035850	3556.6428	1186.4574	7076.876
## 806	0.045700	3342.4336	1459.3268	6604.000
## 807	0.035122	3210.9170	1289.2273	7675.733
## 808	0.056419	3906.6021	471.6623	7584.617
## 809	0.061418	3917.4688	367.8468	7610.703
## 810	0.053368	3936.8809	357.3309	7600.832
## 811	0.061020	3830.2849	651.2972	7470.861
## 812	0.060593	3937.3599	328.1028	7656.766
## 813	0.060358	3934.4028	363.7726	7612.551
## 814	0.064641	3945.6755	224.0318	7656.938
## 815	0.061929	3940.1719	302.4117	7649.446
## 816	0.070963	3870.2402	573.5546	7503.309
## 817	0.067291	3856.5139	657.3331	7473.250
## 818	0.055069	3312.9331	1447.5179	6524.000
## 819	0.051473	3881.9690	552.3772	7637.929
## 820	0.059322	3852.4788	592.0536	7564.046
## 821	0.071389	3892.1724	464.6225	7530.898
## 822	0.082818	3906.6768	346.7637	7579.433
## 823	0.066259	3941.8420	262.6645	7632.720
## 824	0.060311	3766.5337	879.0576	7268.268
## 825	0.048693	3837.6013	698.3192	7510.913
## 826	0.049196	3578.5098	1147.9858	7095.931
## 827	0.049667	3834.6035	733.5753	7465.570
## 828	0.056022	3573.3174	1057.5786	7528.497
## 829	0.050268	3902.2751	572.3194	7609.816
## 830	0.056023	3900.3474	437.2530	7772.280
## 831	0.053575	3910.3101	442.5972	7743.478
## 832	0.057421	3883.5330	546.6731	7695.554
## 833	0.051182	3756.4512	788.5370	7577.978
## 834	0.049897	3784.2239	852.5313	7465.662
## 835	0.050309	3473.6125	1290.8929	6909.090
## 836	0.046985	3797.2456	785.4023	7548.469
## 837	0.050303	3614.1050	1129.7028	7181.666
## 838	0.037622	3652.6606	1045.9180	7321.227
## 839	0.038982	3770.9221	835.9438	7526.454
## 840	0.049033	3549.0344	1171.7493	7060.976
## 841	0.046292	3751.7351	801.3162	7513.979
## 842	0.058710	3367.7495	1376.9459	6692.857
## 843	0.035235	3597.2563	1125.6235	7179.445
## 844	0.041221	3683.0098	978.5756	7346.312
## 845	0.047694	3629.2122	1061.6479	7258.822
## 846	0.022848	3550.4321	1125.7384	7205.114
## 847	0.035201	3725.3394	926.1885	7422.828
## 848	0.055003	3638.3899	1086.2206	7192.347
## 849	0.047998	3317.8506	1449.5425	6573.000
## 850	0.054659	3446.9246	1282.8021	6871.969
## 851	0.047195	3668.4575	1010.2344	7278.071
## 852	0.047292	3617.4399	1080.7261	7185.715
## 853	0.048623	3664.8450	1018.7070	7235.268
## 854	0.045682	3540.0674	1167.2407	7078.659

## 855	0.044282	3797.1169	781.9431	7496.212
## 856	0.050613	3645.7905	1076.3958	7216.500
## 857	0.032697	3731.6338	889.0073	7477.667
## 858	0.032677	3567.4502	1131.1237	7165.909
## 859	0.035808	3761.2129	864.8796	7453.126
## 860	0.058363	3588.8806	1025.8011	7169.443
## 861	0.048707	3479.3369	1316.2272	6747.656
## 862	0.053577	3810.1570	579.1469	7563.096
## 863	0.052138	3745.1038	787.4396	7379.169
## 864	0.049393	3568.0369	1146.5718	7009.302
## 865	0.061701	3645.5444	963.9015	7237.500
## 866	0.049645	3656.6519	906.8323	7261.267
## 867	0.053063	3345.0303	1319.0214	6678.333
## 868	0.063264	3444.4575	1283.5720	6767.424
## 869	0.042446	3339.5493	1368.5974	6650.892
## 870	0.059407	3301.0818	1443.6920	6493.000
## 871	0.047945	3380.1770	1169.7394	6921.710
## 872	0.056170	3282.8494	1437.1294	6432.000
## 873	0.060854	3292.9700	1440.0342	6471.001
## 874	0.046759	3585.3137	1136.5173	7038.635
## 875	0.049678	3456.3777	1268.0356	6811.765
## 876	0.042285	3717.6167	812.6577	7402.220
## 877	0.055123	3636.7112	1013.5106	7156.250
## 878	0.048128	3817.7004	530.7344	7547.208
## 879	0.039819	3791.1472	687.1352	7485.149
## 880	0.044051	3646.8145	1139.3340	7051.111
## 881	0.058517	3751.9668	953.5003	7237.499
## 882	0.047652	3760.0845	940.4156	7267.646
## 883	0.046156	3755.8767	912.9671	7265.278
## 884	0.048902	3823.7988	746.5353	7449.089
## 885	0.037660	3802.8647	798.9575	7418.688
## 886	0.040047	3748.9338	868.2162	7407.279
## 887	0.045016	3584.1213	1149.5623	7090.116
## 888	0.043099	3839.5632	761.6119	7515.094
## 889	0.050338	3891.8057	594.8493	7609.092
## 890	0.050918	3348.6467	1461.7996	6551.000
## 891	0.060151	3721.5583	978.3160	7272.984
## 892	0.051157	3712.9192	985.0720	7295.900
## 893	0.048603	3776.3252	897.0205	7336.665
## 894	0.086781	3350.5693	1462.7540	6445.000
## 895	0.058129	3775.8223	617.8157	7586.781
## 896	0.062496	3592.1799	977.4082	7597.468
## 897	0.058958	3936.0610	370.6005	7541.685
## 898	0.057916	3944.2163	380.6605	7521.939
## 899	0.057175	3924.9062	454.7648	7566.611
## 900	0.070570	3353.8560	1464.1664	6425.001
## 901	0.065232	3933.9441	448.7211	7574.049
## 902	0.123536	3367.6919	1469.8987	6192.000
## 903	0.094538	3949.8772	450.1870	7399.042
## 904	0.104899	3534.5349	1290.7759	6638.234
## 905	0.098605	3949.5366	445.9125	7373.197
## 906	0.101273	3946.3721	472.2687	7353.522
## 907	0.139922	3353.3525	1463.7018	6047.000
## 908	0.097031	3931.6877	539.2334	7326.382

## 909	0.100305	3866.3262	715.6242	7278.306
## 910	0.102851	3706.7803	1059.2655	6859.434
## 911	0.093455	3932.2527	491.0755	7443.702
## 912	0.076086	3906.9062	565.6971	7515.688
## 913	0.074127	3935.8647	347.5541	7567.900
## 914	0.068141	3590.6716	1138.4843	6953.408
## 915	0.053833	3610.7444	1057.4862	7149.510
## 916	0.056537	3755.7366	900.1548	7240.880
## 917	0.057301	3486.8845	1296.2864	6784.092
## 918	0.050455	3575.5181	1193.0477	6925.000
## 919	0.054263	3626.5491	1133.7230	7033.888
## 920	0.069492	3772.4453	866.7614	7241.875
## 921	0.042154	2559.7297	1566.9935	7174.058
## 922	0.039251	3697.2590	989.2150	7353.332
## 923	0.046382	3475.9856	1291.6702	6910.606
## 924	0.042031	3315.7732	1447.9657	6622.000
## 925	0.032826	3800.7224	769.1808	7552.941
## 926	0.037915	3779.3174	835.9550	7477.324
## 927	0.041717	3677.3096	1040.8887	7247.223
## 928	0.049998	3906.6189	483.3350	7668.031
## 929	0.040721	3826.3184	600.1870	7713.031
## 930	0.055084	3892.0806	503.0641	7678.946
## 931	0.063631	3909.6201	417.8073	7690.857
## 932	0.047736	3885.1045	525.6119	7663.890
## 933	0.067850	3622.3008	746.6254	7604.291
## 934	0.045674	3001.3132	1490.7869	7060.555
## 935	0.039354	3755.7805	962.0666	7258.847
## 936	0.064837	3759.3357	933.3790	7269.204
## 937	0.045525	3773.4937	922.4044	7261.972
## 938	0.047141	3823.5366	742.4279	7442.116
## 939	0.044346	3813.5334	804.9478	7391.754
## 940	0.041989	3759.4028	865.5050	7383.437
## 941	0.044933	3587.9275	1150.5742	7057.557
## 942	0.041423	3815.9551	759.5410	7531.604
## 943	0.050462	3878.5146	598.5624	7594.684
## 944	0.058189	3353.6050	1463.8401	6547.000
## 945	0.041254	3344.8906	1460.2681	6629.999
## 946	0.047135	3537.0032	1251.3108	6925.000
## 947	0.050194	3355.9417	1465.0444	6550.000
## 948	0.066530	3582.5476	1178.9984	6998.782
## 949	0.038433	3321.9404	1450.6003	6596.000
## 950	0.054093	3618.0833	1145.1099	7072.159
## 951	0.054150	3667.0581	1070.8228	7137.256
## 952	0.062984	3706.3438	1019.1093	7156.580
## 953	0.046592	3392.2979	1247.7977	6844.854
## 954	0.084725	3232.2358	1417.5084	6537.000
## 955	0.024168	3144.6431	1408.8503	6652.000
## 956	0.041163	3692.5710	1005.8270	7300.861
## 957	0.040199	3549.0415	1217.9106	7024.342
## 958	0.040118	3392.2463	1385.4641	6741.964
## 959	0.037400	3458.0662	1308.0256	6898.437
## 960	0.031652	3422.1792	1295.7367	6950.782
## 961	0.044034	3571.6965	1175.3887	7082.317
## 962	0.045046	3254.3379	1458.9779	6666.128

## 963	0.047894	3476.4380	1363.6707	6579.167
## 964	0.061562	3368.9060	1470.4015	6316.000
## 965	0.053065	3560.3352	1221.8644	6892.762
## 966	0.032716	3321.8589	1450.3531	6651.000
## 967	0.069179	3599.1484	1153.3759	7066.860
## 968	0.068603	3550.9641	1219.0370	6966.448
## 969	0.052641	3824.2310	676.9807	7574.436
## 970	0.033439	3449.6826	1282.8169	6920.454
## 971	0.047451	3320.8967	1449.7701	6572.000
## 972	0.031780	3339.0518	1457.8926	6642.000
## 973	0.057496	3634.5569	1135.6611	7074.445
## 974	0.047295	3764.7466	871.3139	7399.052
## 975	0.064682	3316.3621	1449.4934	6552.000
## 976	0.048056	3548.8367	1185.3052	7049.375
## 977	0.046667	3319.3936	1449.9725	6608.000
## 978	0.045177	3699.8738	999.6144	7218.221
## 979	0.048248	3507.3589	1325.7260	6663.282
## 980	0.062660	3320.3958	1391.4899	6898.649
## 981	0.049047	3852.8853	767.0354	7333.333
## 982	0.060261	3866.0085	712.4379	7381.148
## 983	0.054233	3762.6521	850.0068	7440.360
## 984	0.063732	3682.0068	996.5613	7272.456
## 985	0.052027	3687.7661	979.3947	7337.705
## 986	0.067891	3321.7595	1451.2024	6516.000
## 987	0.068706	3315.3169	1448.0503	6575.001
## 988	0.052216	3727.3704	908.3571	7405.556
## 989	0.049675	3813.2192	674.4372	7727.063
## 990	0.070508	3796.6526	543.5755	7555.809
## 991	0.068337	3905.6135	359.4645	7635.367
## 992	0.075123	3899.9285	427.8983	7591.323
## 993	0.078855	3795.1646	730.7444	7404.741
## 994	0.059241	3924.0569	214.0826	7662.570
## 995	0.057462	3880.5449	379.8744	7639.924
## 996	0.058977	3913.9480	213.2545	7671.058
## 997	0.061181	3727.3469	794.9551	7379.211
## 998	0.050230	3828.9248	600.8365	7524.854
## 999	0.061873	3317.7678	1418.1195	6507.692
## 1000	0.049216	3760.8586	772.5529	7429.951
## 1001	0.037071	3647.8337	942.7761	7341.153
## 1002	0.046959	3828.4702	679.4636	7508.272
## 1003	0.078017	3212.7388	1147.5640	7466.990
## 1004	0.125713	3895.4490	582.3283	7235.596
## 1005	0.121304	3740.2649	929.4368	7067.753
## 1006	0.101552	3616.5928	1003.4627	7101.693
## 1007	0.064888	3353.5901	1463.8292	6525.000
## 1008	0.045266	3768.2588	928.9216	7322.500
## 1009	0.066974	3565.7363	1189.7487	6956.875
## 1010	0.093861	3332.5271	1455.9401	6500.000
## 1011	0.117026	3701.5264	840.6844	7268.102
## 1012	0.104319	3700.1414	921.8236	7228.873
## 1013	0.059486	3798.2007	861.0518	7361.282
## 1014	0.063981	3641.4216	1138.1147	6985.000
## 1015	0.076870	3529.3274	1288.9678	6771.325
## 1016	0.130373	3542.2200	1216.2551	6584.211

## 1017 0.073769	3740.2566	1018.0585	7043.534
## 1018 0.068725	3715.2427	946.7006	7210.227
## 1019 0.075292	3762.0862	818.0203	7331.381
## 1020 0.053692	3791.2703	900.2330	7288.999
## 1021 0.068149	3596.3125	1182.8528	6881.098
## 1022 0.081536	3373.2168	1438.6646	6442.308
## 1023 0.075005	3834.1277	768.1829	7389.903
## 1024 0.076502	3862.4854	620.1484	7475.145
## 1025 0.075327	3847.0491	681.8452	7440.789
## 1026 0.083675	3712.6418	985.0544	7172.541
## 1027 0.063472	3743.5342	991.8481	7106.967
## 1028 0.068686	3717.1235	1031.7374	7024.106
## 1029 0.102969	3470.1934	1280.2257	6791.911
## 1030 0.081717	3431.6809	1230.1633	6842.569
## 1031 0.078335	3760.5312	820.8446	7340.956
## 1032 0.093010	3380.6311	1247.0168	6786.112
## 1033 0.066845	3491.3870	1252.3407	6829.167
## 1034 0.077160	3350.4116	1462.7313	6475.000
## 1035 0.071718	3869.2910	640.4738	7498.521
## 1036 0.076652	3743.5718	944.5759	7212.312
## 1037 0.058015	3770.8591	942.8860	7156.986
## 1038 0.053607	3833.7002	795.5399	7352.834
## 1039 0.070159	3791.6062	829.1512	7385.794
## 1040 0.097788	3611.3303	1027.9766	7120.982
## 1041 0.122298	3664.5105	938.4251	7097.426
## 1042 0.088587	3592.3022	1168.1974	6844.643
## 1043 0.084513	3820.7559	660.2006	7472.297
## 1044 0.084942	3519.8486	1047.1660	7070.754
## 1045 0.059416	3953.8787	266.4759	7679.665
## 1046 0.066066	3935.1355	346.0348	7630.741
## 1047 0.064509	3889.4724	589.1382	7508.193
## 1048 0.064286	3920.1873	358.7697	7608.068
## 1049 0.067615	3920.1345	356.7780	7541.893
## 1050 0.062579	3948.1128	240.4192	7638.243
## 1051 0.066810	3936.3342	331.1395	7619.578
## 1052 0.070197	3892.7539	460.8730	7522.906
## 1053 0.064850	3935.7263	307.2513	7566.988
## 1054 0.065848	3856.0579	647.6392	7431.755
## 1055 0.056383	3942.6541	275.5011	7631.862
## 1056 0.060421	3887.7546	608.9401	7500.298
## 1057 0.065313	3947.9087	261.9228	7622.386
## 1058 0.066308	3931.4043	295.3071	7570.032
## 1059 0.079441	3630.5112	1034.8866	7007.407
## 1060 0.061836	3923.0432	404.3084	7587.183
## 1061 0.055538	3910.5356	519.3261	7561.910
## 1062 0.056815	3844.0022	685.2279	7448.855
## 1063 0.050850	3896.8557	563.0579	7555.584
## 1064 0.056125	3683.4905	1006.9473	7187.500
## 1065 0.070059	3398.8137	1246.2318	6892.360
## 1066 0.073186	3538.6140	1217.1901	6923.682
## 1067 0.096807	3634.8730	1020.2209	7065.627
## 1068 0.094817	3820.1511	739.7313	7425.893
## 1069 0.092786	3664.7151	956.6912	7197.264
## 1070 0.064267	3543.9963	1217.6160	6935.526

## 1071 0.084860	3308.9441	1447.7196	6479.000
## 1072 0.072963	3470.1694	1146.6479	7086.170
## 1073 0.086546	3686.4180	926.4152	7192.905
## 1074 0.059343	3691.4316	1035.0651	7139.091
## 1075 0.087019	3436.4565	1403.0630	6504.465
## 1076 0.091732	3366.4712	1469.3256	6353.000
## 1077 0.071612	3864.3333	718.0839	7344.166
## 1078 0.055659	3737.9209	990.4866	7188.114
## 1079 0.049947	3510.7761	1304.0607	6816.667
## 1080 0.045866	3085.4248	1567.5542	6546.000
## 1081 0.059365	3329.3582	1454.0848	6501.000
## 1082 0.060651	3324.4014	1452.1688	6537.999
## 1083 0.038015	3787.0347	805.6508	7466.129
## 1084 0.035900	3709.4033	930.4711	7380.516
## 1085 0.036441	3710.1438	984.3033	7331.148
## 1086 0.038787	3693.8831	971.8668	7338.709
## 1087 0.036708	3499.3586	1239.4645	6994.444
## 1088 0.053906	3489.5488	1275.5907	6865.440
## 1089 0.045848	3712.7563	955.4167	7276.537
## 1090 0.063814	3301.5454	1443.0997	6570.000
## 1091 0.049308	3346.2307	1398.7007	6680.555
## 1092 0.101627	3289.5190	1437.6639	6551.000
## 1093 0.057334	3720.5508	855.1708	7382.099
## 1094 0.048917	3637.7576	1053.2920	7271.154
## 1095 0.053906	3379.0212	1380.8228	6714.285
## 1096 0.061433	3501.2908	1094.9006	7239.543
## 1097 0.061064	3462.2988	1210.2572	6920.947
## 1098 0.051719	3834.7966	679.9816	7530.884
## 1099 0.048120	3858.5161	667.5327	7560.073
## 1100 0.044875	3559.1970	1172.7092	7101.830
## 1101 0.049373	3740.0295	850.8702	7452.744
## 1102 0.062989	3874.7407	490.9727	7650.472
## 1103 0.049873	3697.0728	973.4953	7340.726
## 1104 0.065140	3646.3586	859.5225	7482.105
## 1105 0.042435	3817.1116	743.6003	7547.729
## 1106 0.050325	3879.4741	550.6849	7651.089
## 1107 0.047775	3749.3386	885.9653	7383.880
## 1108 0.048727	3491.0251	1297.1526	6846.212
## 1109 0.042170	3811.4214	784.2595	7451.011
## 1110 0.052070	3590.1345	1137.1206	7073.295
## 1111 0.059237	3669.3438	1050.9198	7166.038
## 1112 0.048423	3777.5161	836.5864	7398.837
## 1113 0.053768	3583.5210	1179.3329	6995.731
## 1114 0.052348	3811.5012	809.3049	7351.345
## 1115 0.028146	3112.1277	1470.0953	6774.107
## 1116 0.032509	3621.9077	1132.1709	7213.333
## 1117 0.033111	3678.4751	978.0594	7385.655
## 1118 0.048902	3608.2520	1058.2046	7202.451
## 1119 0.034548	3566.7627	1131.5889	7177.840
## 1120 0.051472	3696.1689	921.4450	7380.798
## 1121 0.035077	3623.5083	1082.0686	7235.203
## 1122 0.044408	3341.3472	1426.6451	6642.308
## 1123 0.043913	3451.7903	1306.2367	6873.438
## 1124 0.043524	3662.5229	1009.3929	7323.245

## 1125 0.019809	3609.9531	1067.3622	7293.000
## 1126 0.037210	3683.0608	1022.7401	7307.588
## 1127 0.045110	3577.2700	1177.9102	7101.830
## 1128 0.052306	3753.2998	783.5926	7493.877
## 1129 0.056272	3322.2974	1451.1132	6563.000
## 1130 0.052533	3319.4255	1449.4607	6540.000
## 1131 0.044595	3782.5330	760.6306	7516.107
## 1132 0.044716	3867.3726	571.8094	7663.951
## 1133 0.057287	3778.9160	753.1501	7696.664
## 1134 0.075682	3887.0859	488.8442	7593.796
## 1135 0.080451	3870.6343	428.2728	7603.937
## 1136 0.088612	3600.8762	780.9155	7555.657
## 1137 0.078997	3888.1101	438.3204	7610.041
## 1138 0.067213	3884.2163	440.2586	7628.072
## 1139 0.056644	3914.0642	391.8309	7589.176
## 1140 0.071034	3360.0708	1466.8032	6434.000
## 1141 0.055430	3835.4792	724.5354	7394.443
## 1142 0.053268	3843.5034	695.8264	7450.000
## 1143 0.049386	3821.2483	742.3597	7386.487
## 1144 0.067027	3837.2363	747.6191	7373.407
## 1145 0.056760	3939.7871	377.6181	7596.731
## 1146 0.087222	3328.2246	1453.5682	6419.000
## 1147 0.050769	3844.0637	734.5872	7418.421
## 1148 0.054631	3321.8298	1450.5807	6503.000
## 1149 0.050350	3818.8684	789.3619	7390.308
## 1150 0.064325	3824.2288	732.6942	7385.967
## 1151 0.047479	3717.2561	969.8165	7236.904
## 1152 0.089625	3924.3579	381.4145	7609.629
## 1153 0.100482	3317.9373	1450.1080	6350.000
## 1154 0.101586	3833.2590	729.4379	7388.696
## 1155 0.050306	3218.1953	1413.6748	6529.000
## 1156 0.059050	3822.1936	771.0120	7341.747
## 1157 0.054874	3910.3677	533.1512	7537.443
## 1158 0.063748	3729.3999	980.4371	7187.099
## 1159 0.072077	3809.2200	780.4976	7324.001
## 1160 0.070043	3545.9331	1254.5769	6801.388
## 1161 0.058262	3754.3193	925.6277	7213.570
## 1162 0.057314	3590.6814	1231.8013	6775.659
## 1163 0.060835	3348.0217	1461.7709	6454.000
## 1164 0.073021	3307.4841	1445.8799	6378.000
## 1165 0.069470	3614.2571	1144.7283	6936.931
## 1166 0.056886	3453.9980	1330.9952	6740.324
## 1167 0.056813	3344.7441	1460.4847	6468.000
## 1168 0.064883	3527.7419	1212.2980	6872.369
## 1169 0.071095	3558.3408	1171.5500	6925.000
## 1170 0.094000	3893.8130	562.9599	7552.537
## 1171 0.066713	3571.1646	1208.0271	6962.179
## 1172 0.063073	3709.3230	1049.4771	7062.500
## 1173 0.058583	3569.1716	1207.3390	6918.591
## 1174 0.092607	3327.2153	1452.5079	6347.000
## 1175 0.074833	3411.3379	1422.6832	6517.593
## 1176 0.061366	3380.9065	1441.8337	6513.461
## 1177 0.047610	2918.2979	1598.6024	6565.000
## 1178 0.038424	3409.2593	1421.9945	6615.740

## 1179 0.042361	3392.1255	1446.5139	6554.809
## 1180 0.039999	3458.2222	1383.3757	6682.759
## 1181 0.043190	3525.6609	1309.5006	6842.424
## 1182 0.040106	3447.3530	1379.1519	6717.242
## 1183 0.039231	3341.0491	1458.5909	6529.001
## 1184 0.054742	3346.7307	1460.9620	6525.000
## 1185 0.046375	3350.5042	1462.5243	6517.000
## 1186 0.037109	3459.0835	1331.9004	6774.999
## 1187 0.031387	3450.3386	1380.3401	6695.690
## 1188 0.044650	3536.7815	1291.5664	6833.088
## 1189 0.039061	3645.2881	1016.6654	7234.821
## 1190 0.043212	3512.1619	1224.6617	6960.135
## 1191 0.039029	3514.4521	1244.0813	6933.333
## 1192 0.045491	3339.5491	1457.8391	6530.000
## 1193 0.042256	3340.5696	1458.3811	6555.000
## 1194 0.043341	3349.5703	1462.1528	6555.000
## 1195 0.034446	3823.6245	802.1921	7442.368
## 1196 0.041122	3395.0857	1416.1650	6665.741
## 1197 0.038484	3452.0706	1354.3854	6781.667
## 1198 0.042351	3688.0642	1054.1578	7219.812
## 1199 0.033814	3891.8176	646.9338	7623.827
## 1200 0.041760	3343.7041	1459.8438	6570.000
## 1201 0.045256	3357.6018	1465.5719	6549.000
## 1202 0.053289	3348.6343	1461.7686	6546.000
## 1203 0.044901	3591.7793	1197.5765	7003.750
## 1204 0.057194	3345.5417	1460.4442	6503.000
## 1205 0.041312	3833.6333	783.1010	7446.750
## 1206 0.040948	3922.1516	536.3052	7631.622
## 1207 0.046335	3904.9199	527.5518	7638.745
## 1208 0.039833	3808.2366	795.3737	7531.250
## 1209 0.031618	3703.3652	966.0255	7378.173
## 1210 0.044051	3796.7844	809.2298	7483.912
## 1211 0.049419	3853.8086	739.0568	7480.088
## 1212 0.043788	3877.8247	691.3575	7485.770
## 1213 0.043595	3791.7773	870.5187	7354.375
## 1214 0.047521	3650.5259	1101.4604	7149.479
## 1215 0.037715	3863.3979	678.9570	7564.552
## 1216 0.049463	3359.5300	1466.4703	6522.000
## 1217 0.050226	3345.7117	1460.6453	6519.999
## 1218 0.049415	3342.7034	1459.3613	6538.001
## 1219 0.041373	3822.6250	829.6647	7410.954
## 1220 0.044198	3603.3958	1154.6620	7038.952
## 1221 0.055195	3812.7632	827.9421	7357.304
## 1222 0.044078	3754.8391	842.8804	7444.343
## 1223 0.043399	3783.0032	857.8712	7410.977
## 1224 0.048043	3460.1851	1357.5684	6725.833
## 1225 0.051979	3708.3547	1038.8284	7209.090
## 1226 0.044545	3896.2854	608.2587	7614.499
## 1227 0.068747	3584.3350	1179.4261	6946.952
## 1228 0.050672	3366.0508	1435.7578	6543.270
## 1229 0.041697	3796.6890	849.7979	7388.690
## 1230 0.049921	3907.6946	536.5244	7563.993
## 1231 0.049465	3897.1548	528.5355	7594.646
## 1232 0.039759	3532.9131	1118.1138	7560.638

## 1233 0.068451	3895.3176	492.0235	7585.457
## 1234 0.076816	3799.3350	788.8151	7347.451
## 1235 0.071015	3894.3564	476.0243	7601.118
## 1236 0.077821	3896.6040	377.7716	7641.233
## 1237 0.102333	3900.4897	428.7275	7616.821
## 1238 0.064540	2966.7771	1523.9167	6552.000
## 1239 0.124102	3672.8196	878.6960	7402.544
## 1240 0.116362	3811.1099	649.8748	7521.337
## 1241 0.076498	3797.8960	748.5364	7433.259
## 1242 0.107293	3847.2502	554.3743	7607.411
## 1243 0.070367	3334.2673	1456.0446	6559.000
## 1244 0.062420	3706.2444	876.7632	7378.685
## 1245 0.111708	3874.7412	451.6700	7610.886
## 1246 0.118676	3843.3389	643.3743	7425.277
## 1247 0.117585	3773.4722	707.1174	7459.184
## 1248 0.123646	3715.1948	876.1409	7263.202
## 1249 0.108718	3885.1082	598.1021	7457.810
## 1250 0.107300	3880.5081	533.0468	7563.062
## 1251 0.061998	3909.1345	463.4373	7627.161
## 1252 0.051689	3732.2961	951.1671	7296.969
## 1253 0.092927	3485.3459	1064.5231	7313.506
## 1254 0.101652	3564.6179	994.3478	7273.959
## 1255 0.136257	3795.0603	808.2383	7202.688
## 1256 0.083219	3339.3589	1458.3020	6512.001
## 1257 0.124793	3337.3435	1457.4863	6410.001
## 1258 0.098513	3566.3987	1076.9524	7206.148
## 1259 0.115955	3825.6816	646.8132	7502.698
## 1260 0.127641	3832.0098	643.7576	7416.334
## 1261 0.115329	3782.4700	730.6875	7507.916
## 1262 0.111191	3877.0129	431.8814	7618.206
## 1263 0.102118	3680.8167	893.3792	7313.855
## 1264 0.126515	3880.6921	446.0787	7583.916
## 1265 0.074111	3772.2383	759.8262	7521.726
## 1266 0.089774	3907.4529	397.7584	7611.739
## 1267 0.046721	3349.7800	1462.5693	6562.001
## 1268 0.068768	3720.3025	817.2333	7434.956
## 1269 0.042980	3552.8662	1241.4608	6983.154
## 1270 0.049156	3467.2175	1311.3612	6836.719
## 1271 0.048946	3560.9919	1204.4143	6990.386
## 1272 0.053760	3385.9646	1412.3875	6591.667
## 1273 0.052935	3467.9082	1311.5652	6828.905
## 1274 0.053544	3468.1626	1335.5021	6764.516
## 1275 0.047148	3399.7607	1418.0692	6620.370
## 1276 0.049178	3352.4287	1463.4988	6535.000
## 1277 0.052874	3619.4495	1159.5592	7033.139
## 1278 0.057066	3364.4741	1468.4530	6501.999
## 1279 0.054887	3360.8381	1466.9257	6553.000
## 1280 0.048986	3489.7297	1319.3203	6801.562
## 1281 0.049075	3532.2673	1269.1852	6869.285
## 1282 0.057135	3590.7344	1181.0789	7007.926
## 1283 0.045599	3687.2688	1033.2485	7232.729
## 1284 0.045450	3667.6968	1082.0286	7155.999
## 1285 0.039406	3681.2139	908.0496	7471.576
## 1286 0.042637	3377.2717	1213.6157	7486.585

## 1287 0.046969	3715.8674	952.7695	7398.461
## 1288 0.045871	3472.0591	1312.8988	6891.406
## 1289 0.041324	3837.8691	681.0183	7644.885
## 1290 0.088935	3707.8511	1000.8321	7248.307
## 1291 0.129354	3259.2954	1477.7211	6410.000
## 1292 0.043454	3456.1765	1331.1105	6842.742
## 1293 0.043964	3317.6199	1448.7876	6578.000
## 1294 0.042051	3571.0623	1174.9735	7088.414
## 1295 0.041701	3331.0237	1454.3854	6603.000
## 1296 0.038340	3308.7439	1444.8608	6609.001
## 1297 0.037803	3312.7368	1446.5490	6629.000
## 1298 0.038177	3565.2217	1116.7496	7212.222
## 1299 0.040060	3657.4612	1058.3826	7097.686
## 1300 0.049262	3541.7070	1293.3191	6683.824
## 1301 0.043996	3364.9106	1468.6591	6440.000
## 1302 0.054495	3320.4021	1449.6599	6527.000
## 1303 0.060486	3697.8179	1007.2691	7291.380
## 1304 0.046373	3541.1750	1215.5404	7046.710
## 1305 0.059247	3388.5969	1385.1039	6678.571
## 1306 0.052092	3442.5710	1303.2144	6846.094
## 1307 0.054270	3446.3154	1303.9833	6867.186
## 1308 0.062322	3567.0232	1174.5658	7015.243
## 1309 0.026175	3410.1489	1313.6908	6881.451
## 1310 0.055416	3438.6646	1349.7142	6692.500
## 1311 0.034187	3334.7759	1455.8311	6635.000
## 1312 0.060446	3569.7236	1224.9673	6938.158
## 1313 0.041586	3341.9177	1458.7990	6602.000
## 1314 0.058997	3605.5493	1155.8641	7022.094
## 1315 0.057688	3548.2275	1218.6515	6955.921
## 1316 0.044218	3836.0464	674.0358	7561.296
## 1317 0.047541	3533.9351	1290.5809	6722.794
## 1318 0.063145	2654.8389	1661.0331	6483.999
## 1319 0.052064	3380.1812	1475.2584	6470.001
## 1320 0.060682	3640.0522	1151.2250	6895.455
## 1321 0.051687	3797.9326	877.4648	7272.152
## 1322 0.080813	3354.4146	1464.1676	6400.000
## 1323 0.069654	3611.8459	1187.7871	6859.756
## 1324 0.063165	3641.2429	1151.6381	6936.931
## 1325 0.053764	3539.7991	1181.7933	7085.000
## 1326 0.057720	3471.5972	1314.0499	6822.656
## 1327 0.063176	3529.0164	1248.9718	6913.889
## 1328 0.056107	3794.6326	755.5597	7516.980
## 1329 0.055062	3816.9590	707.2751	7578.686
## 1330 0.050648	3745.5735	847.3734	7462.951
## 1331 0.057739	3666.2837	1001.1395	7290.948
## 1332 0.061952	3616.5503	959.9119	7277.823
## 1333 0.043433	3550.9307	1064.8014	7365.769
## 1334 0.033149	793.8352	351.8887	6368.000
## 1335 0.051114	3761.1680	760.7766	7646.183
## 1336 0.052849	3355.5400	1465.0375	6511.000
## 1337 0.052173	3906.8318	535.3774	7525.342
## 1338 0.053920	3885.8167	623.7665	7471.252
## 1339 0.059601	3939.0251	373.7932	7586.198
## 1340 0.059217	3926.3215	437.0570	7554.357

## 1341 0.061948	3909.8855	466.3471	7513.860
## 1342 0.065305	3856.3010	632.3269	7458.226
## 1343 0.052781	3860.8804	606.2610	7515.089
## 1344 0.081960	3891.3591	486.8440	7474.271
## 1345 0.075414	3898.7856	434.0167	7502.137
## 1346 0.077229	3936.3979	244.9229	7576.631
## 1347 0.071855	3350.1536	1124.0852	7580.316
## 1348 0.023062	1233.6383	459.7281	6904.545
## 1349 0.041678	1575.9661	960.8379	7067.682
## 1350 0.073570	3011.5684	1266.9525	7543.037
## 1351 0.027643	1014.3376	453.2443	7474.884
## 1352 0.035978	746.4634	329.1237	6263.001
## 1353 0.033383	761.9796	335.6517	6272.000
## 1354 0.036272	2585.1511	1640.5151	6828.677
## 1355 0.080915	3540.8867	1200.0203	6950.643
## 1356 0.047791	3621.8894	1132.2882	7083.331
## 1357 0.061182	3736.1172	965.5391	7281.641
## 1358 0.048594	3024.1611	1588.7444	6561.000
## 1359 0.043900	3683.4368	907.8157	7655.068
## 1360 0.043434	3934.6790	492.6921	7613.172
## 1361 0.044779	3813.8096	792.0955	7471.136
## 1362 0.040702	3730.0486	972.0469	7299.207
## 1363 0.037797	3835.3674	783.5184	7453.000
## 1364 0.040043	3853.1003	738.8798	7486.285
## 1365 0.048062	3867.3826	690.1834	7482.696
## 1366 0.047806	3745.7200	862.8742	7408.126
## 1367 0.044827	3629.7688	1084.3982	7169.898
## 1368 0.045470	3873.3555	677.6248	7544.261
## 1369 0.043738	3889.7532	523.5717	7722.966
## 1370 0.054499	3890.4019	516.3073	7664.743
## 1371 0.069900	3891.4954	502.1428	7636.942
## 1372 0.047348	3916.4365	417.9954	7709.698
## 1373 0.064290	3418.8132	1368.3665	6628.448
## 1374 0.027175	3449.9836	975.2171	7403.070
## 1375 0.029985	1727.0051	971.2341	6648.000
## 1376 0.068494	3401.9021	1418.9706	6569.445
## 1377 0.045346	3400.5864	1418.3976	6574.075
## 1378 0.041547	3535.8828	1270.4021	6878.572
## 1379 0.039982	3796.5969	866.1501	7371.915
## 1380 0.045244	3345.6194	1460.9867	6558.000
## 1381 0.043429	3759.4421	933.5228	7308.695
## 1382 0.038895	3898.8713	543.9680	7644.278
## 1383 0.042891	3933.6016	492.5498	7623.268
## 1384 0.045859	3816.5630	792.9120	7432.217
## 1385 0.041216	3739.0647	974.1605	7299.999
## 1386 0.037289	3817.7158	780.4807	7483.001
## 1387 0.040379	3848.8191	738.2850	7486.283
## 1388 0.042502	3868.7781	690.3628	7486.348
## 1389 0.056745	3769.9084	867.0813	7381.563
## 1390 0.048558	3608.0002	1078.1335	7185.713
## 1391 0.046115	3863.1704	686.7134	7539.312
## 1392 0.041259	3766.3879	949.3201	7302.986
## 1393 0.043917	3377.3105	1474.0450	6619.000
## 1394 0.053112	3106.1890	1371.5428	7503.484

## 1395 0.059270	3952.3132	333.8206	7646.289
## 1396 0.066511	3314.0762	1446.8660	6496.000
## 1397 0.052405	3886.9758	453.1621	7673.804
## 1398 0.049952	3954.4460	314.2438	7655.946
## 1399 0.050664	3926.0701	404.5140	7624.680
## 1400 0.058547	3926.1777	362.5449	7577.598
## 1401 0.059262	3911.8599	468.6528	7474.135
## 1402 0.052747	3890.0908	576.5189	7480.583
## 1403 0.049031	3913.7729	519.6707	7565.235
## 1404 0.053510	3927.6482	454.8485	7579.627
## 1405 0.052325	3338.2937	1457.7968	6497.000
## 1406 0.057225	3791.3921	834.3401	7304.022
## 1407 0.092860	3922.5652	526.6295	7358.702
## 1408 0.100130	3357.8804	1465.7451	6251.000
## 1409 0.093878	3946.9778	426.2278	7417.979
## 1410 0.072964	3929.3787	447.0924	7582.784
## 1411 0.076787	3917.8911	471.4071	7552.729
## 1412 0.076473	3712.3281	1011.7950	7017.672
## 1413 0.056641	3907.4321	528.5684	7531.110
## 1414 0.054138	3900.6863	514.5921	7530.146
## 1415 0.057424	3827.7244	746.1614	7366.592
## 1416 0.055337	3865.9836	636.7999	7479.737
## 1417 0.062396	3876.4900	597.7324	7521.120
## 1418 0.058643	3904.0986	531.6572	7533.783
## 1419 0.048957	3914.2131	458.1636	7655.466
## 1420 0.046023	3934.3147	399.7729	7675.374
## 1421 0.043320	3935.1787	437.3030	7628.916
## 1422 0.052542	3354.3794	1464.4130	6465.001
## 1423 0.040380	3493.2896	1298.1787	6808.333
## 1424 0.047321	3330.9534	1454.9080	6494.000
## 1425 0.056570	3324.6699	1452.2028	6505.000
## 1426 0.053726	3312.9373	1446.6061	6559.001
## 1427 0.054834	3583.8999	1195.0912	6995.626
## 1428 0.065846	2514.7712	1615.7229	6464.423
## 1429 0.049935	3614.6184	1090.3917	7328.749
## 1430 0.042626	3799.1848	802.5054	7530.320
## 1431 0.032447	3782.6794	812.3478	7523.947
## 1432 0.045498	3440.7979	1376.9136	6763.794
## 1433 0.044410	3795.3931	758.3808	7576.904
## 1434 0.052773	3829.9446	732.4224	7489.036
## 1435 0.050618	3701.9512	1008.6722	7239.656
## 1436 0.056137	3797.3176	789.9480	7486.598
## 1437 0.060289	3325.3152	1452.5114	6542.000
## 1438 0.051646	3783.2148	833.3186	7427.300
## 1439 0.072289	3345.7649	1460.6819	6582.000
## 1440 0.050863	3902.7104	525.5576	7620.089
## 1441 0.050637	3875.8010	680.6009	7493.843
## 1442 0.048469	3633.9016	1149.4535	7001.703
## 1443 0.044408	3730.9097	949.8170	7235.228
## 1444 0.056609	3737.6909	929.3089	7289.854
## 1445 0.043188	3761.2371	919.8477	7277.820
## 1446 0.039572	3813.9707	740.5573	7495.721
## 1447 0.042016	3791.5251	802.6335	7477.661
## 1448 0.041797	3786.8831	869.9551	7419.376

## 1449 0.064133	3577.3101	1164.9841	7016.667
## 1450 0.051742	3821.4287	755.1144	7479.906
## 1451 0.051773	3889.1050	594.9263	7625.566
## 1452 0.045316	3339.3206	1458.0509	6555.000
## 1453 0.072846	3334.4844	1456.1981	6528.000
## 1454 0.066582	3694.6235	1045.5079	7114.815
## 1455 0.050529	3345.1770	1460.3828	6491.999
## 1456 0.037898	3298.1902	1379.2346	6625.000
## 1457 0.084201	3300.7083	1381.7684	6586.111
## 1458 0.048012	3295.3535	1230.7778	6975.000
## 1459 0.046308	3793.4048	864.9943	7360.187
## 1460 0.047991	3360.3284	1466.8458	6506.000
## 1461 0.042922	3765.1792	934.5509	7317.752
## 1462 0.053630	3531.4741	1289.6509	6808.088
## 1463 0.043931	3527.8735	1288.5596	6870.588
## 1464 0.045620	3742.5120	966.8784	7285.938
## 1465 0.043714	3327.2148	1452.9935	6571.000
## 1466 0.044284	3416.3618	1395.1904	6644.643
## 1467 0.048753	3336.6382	1457.8329	6505.999
## 1468 0.054539	3799.1353	866.5601	7302.160
## 1469 0.053043	3660.2317	1059.9386	7143.750
## 1470 0.041724	3412.8286	1393.8895	6705.357
## 1471 0.041838	3667.6497	1029.0371	7277.273
## 1472 0.043462	3514.2520	1244.3918	6993.055
## 1473 0.055216	3827.9846	670.1295	7597.792
## 1474 0.056694	3851.4468	666.0212	7517.807
## 1475 0.082354	3614.3713	942.0484	7298.074
## 1476 0.047986	3728.3743	907.3812	7423.264
## 1477 0.063058	3395.7849	1360.4681	6679.312
## 1478 0.070010	3333.1221	1146.7361	7186.171
## 1479 0.043791	3638.3149	1086.9071	7166.325
## 1480 0.044610	3735.6475	873.4112	7422.116
## 1481 0.063236	3862.6646	610.9091	7574.550
## 1482 0.047889	3696.6707	1007.6382	7244.827
## 1483 0.053953	3799.3735	794.3408	7481.250
## 1484 0.044802	3744.2375	903.6526	7384.934
## 1485 0.045684	3863.6494	539.5062	7717.062
## 1486 0.054339	3889.5215	511.7948	7687.606
## 1487 0.069014	3895.9458	503.8957	7626.116
## 1488 0.051168	3911.3721	417.7105	7722.989
## 1489 0.047830	3707.8831	966.9389	7297.222
## 1490 0.053125	3324.7153	1451.5018	6523.000
## 1491 0.060219	3716.4700	969.0085	7216.667
## 1492 0.046776	2472.7727	1326.7175	7588.345
## 1493 0.054166	3535.2368	1250.4888	6916.667
## 1494 0.062040	3882.5117	597.0691	7458.570
## 1495 0.058406	3946.9443	372.9430	7586.498
## 1496 0.056221	3909.3376	484.5567	7557.993
## 1497 0.060809	3812.0730	776.4637	7339.603
## 1498 0.048963	3824.3789	771.0117	7389.320
## 1499 0.063827	3829.2698	736.7390	7345.796
## 1500 0.057905	3936.0703	377.8443	7599.671
## 1501 0.061381	3854.3743	647.8381	7511.737
## 1502 0.075762	3701.4121	1018.0970	7169.736

## 1503 0.061640	3831.1331	746.5425	7372.272
## 1504 0.066339	3858.2129	651.5728	7431.336
## 1505 0.051829	3786.0603	801.1429	7406.647
## 1506 0.062551	3826.7278	672.8415	7463.788
## 1507 0.055849	3931.8162	293.5728	7715.656
## 1508 0.082314	3867.8970	594.1344	7530.790
## 1509 0.066577	3909.2729	429.2614	7651.287
## 1510 0.047342	3872.2771	633.1093	7570.323
## 1511 0.054608	3887.5945	489.6233	7643.774
## 1512 0.057514	3868.4888	619.4132	7553.083
## 1513 0.041353	3778.7634	833.7680	7376.150
## 1514 0.058452	3834.4021	670.0362	7541.059
## 1515 0.065781	3916.3325	365.6661	7676.525
## 1516 0.057981	3839.8733	568.8898	7615.756
## 1517 0.062270	3883.6191	484.3155	7634.930
## 1518 0.053585	3863.0354	571.1370	7580.988
## 1519 0.051984	3886.7861	524.1127	7598.155
## 1520 0.049092	3878.0347	605.6650	7527.340
## 1521 0.062067	3864.5894	536.0018	7607.648
## 1522 0.067613	3856.3887	649.8931	7508.334
## 1523 0.066478	3733.3071	928.5009	7243.115
## 1524 0.060207	3564.6042	1223.6653	6890.790
## 1525 0.054770	3824.4387	759.5798	7408.964
## 1526 0.053556	3918.3411	370.6984	7688.595
## 1527 0.051713	3863.7139	532.9968	7601.120
## 1528 0.051432	3897.8660	434.3289	7661.743
## 1529 0.045369	3891.5615	439.3944	7672.986
## 1530 0.048322	3535.9827	1151.7046	7070.238
## 1531 0.062475	3841.2583	608.0208	7542.458
## 1532 0.057132	3829.6416	706.6198	7436.177
## 1533 0.051651	3922.9944	401.9573	7659.771
## 1534 0.049082	3929.8708	356.6157	7685.070
## 1535 0.057041	3911.3008	311.0345	7736.039
## 1536 0.056529	3927.9141	261.1541	7744.921
## 1537 0.059990	3908.8784	293.0033	7733.655
## 1538 0.057457	3913.3025	259.2821	7752.199
## 1539 0.055850	3931.9280	204.5448	7762.515
## 1540 0.045841	3597.6121	1154.1904	7059.883
## 1541 0.052013	3900.8708	536.4410	7587.673
## 1542 0.050624	3956.9636	174.0432	7740.242
## 1543 0.049183	3317.1519	1416.5509	6629.808
## 1544 0.076292	3317.5107	1448.7146	6548.000
## 1545 0.062112	3329.9434	1454.2667	6509.001
## 1546 0.062762	3345.5891	1460.9103	6478.000
## 1547 0.071076	3565.5803	1206.3335	6938.462
## 1548 0.070469	3584.8804	995.5270	7540.521
## 1549 0.086352	3368.1169	1470.1353	6478.000
## 1550 0.056127	3909.1208	386.3240	7664.482
## 1551 0.109141	3233.4797	1427.0615	6442.000
## 1552 0.091805	3749.7458	780.4206	7330.392
## 1553 0.083557	3498.9138	1279.9017	6741.912
## 1554 0.059440	3261.5159	1429.2296	6516.000
## 1555 0.077373	3555.7061	940.8009	7296.538
## 1556 0.063422	3367.0901	1242.9443	6860.294

## 1557 0.110122	3573.6694	1150.5485	6988.954
## 1558 0.112630	3774.0691	943.6623	7027.204
## 1559 0.106327	3856.5261	746.1580	7204.053
## 1560 0.106253	3941.8850	486.7243	7294.944
## 1561 0.057307	3925.3010	445.5524	7600.698
## 1562 0.063763	3278.4243	1435.0364	6470.000
## 1563 0.066431	3873.4954	381.6179	7640.567
## 1564 0.079007	3850.6133	357.1764	7709.318
## 1565 0.073242	3328.8108	1455.4525	6448.000
## 1566 0.060739	3845.6282	443.1171	7704.491
## 1567 0.104543	3858.3713	560.7303	7502.452
## 1568 0.059792	3874.4998	371.5729	7646.886
## 1569 0.067687	3601.6597	1025.8214	7147.728
## 1570 0.094716	3704.1367	717.4318	7558.847
## 1571 0.062639	3737.6775	876.9983	7281.250
## 1572 0.106027	3551.2754	1188.8293	6875.000
## 1573 0.067538	3620.7087	1132.8364	7025.555
## 1574 0.054948	3880.7515	613.6068	7497.891
## 1575 0.070517	3340.0647	1397.3688	6531.482
## 1576 0.074489	3900.2769	325.6531	7651.860
## 1577 0.077065	3800.5317	528.3984	7615.221
## 1578 0.086079	3877.6245	262.7623	7692.490
## 1579 0.078016	3845.4458	414.6813	7653.082
## 1580 0.052907	3335.1243	1456.1312	6524.001
## 1581 0.063994	3836.1460	723.6657	7479.915
## 1582 0.055511	3346.5701	1461.1467	6488.000
## 1583 0.053255	3802.7131	770.4485	7465.197
## 1584 0.123699	3821.1423	740.8006	7262.839
## 1585 0.093080	3830.7148	746.4652	7385.456
## 1586 0.133476	3726.8938	899.8588	6995.206
## 1587 0.089193	3909.9451	313.5752	7645.083
## 1588 0.086605	3904.1306	382.9960	7638.192
## 1589 0.063639	3879.2988	458.5987	7678.013
## 1590 0.081670	3349.4802	1462.1517	6450.000
## 1591 0.068388	3899.8276	456.7623	7647.111
## 1592 0.096952	3903.1631	195.6099	7680.198
## 1593 0.103638	3881.8442	446.2815	7575.935
## 1594 0.086971	3883.7446	195.2384	7714.178
## 1595 0.055727	3423.2822	1170.0416	6988.462
## 1596 0.081161	3812.6040	568.4198	7596.716
## 1597 0.066235	3792.2725	322.0677	7755.062
## 1598 0.078722	3501.0991	1301.0369	6834.090
## 1599 0.064648	3319.3972	1387.9503	6648.148
## 1600 0.100196	3605.4946	1156.3137	6991.279
## 1601 0.085761	3894.4380	256.9442	7696.229
## 1602 0.089661	3906.8296	463.7204	7563.767
## 1603 0.044098	3907.1426	462.8160	7645.835
## 1604 0.078218	3915.2676	275.8419	7700.568
## 1605 0.089260	3824.2087	635.9330	7551.623
## 1606 0.076152	3808.2495	637.7200	7554.966
## 1607 0.051527	3856.6665	723.0771	7436.018
## 1608 0.083981	3912.6970	467.5572	7558.224
## 1609 0.071734	3939.8286	329.3824	7641.238
## 1610 0.075785	3808.8818	655.5137	7530.691

## 1611 0.092366	3776.8433	762.2390	7424.770
## 1612 0.107823	3832.7976	705.1678	7409.351
## 1613 0.081810	3839.7075	611.6649	7518.522
## 1614 0.071361	3936.1755	384.9211	7614.828
## 1615 0.084641	3928.4126	399.2435	7625.064
## 1616 0.074275	3821.3135	802.1816	7328.683
## 1617 0.087201	3956.0730	279.5450	7627.873
## 1618 0.091756	3900.3813	493.0512	7495.349
## 1619 0.065900	3728.7568	1006.0897	7104.661
## 1620 0.096500	3752.4707	849.0725	7282.830
## 1621 0.075589	3710.4990	866.2722	7346.201
## 1622 0.083761	3919.5271	427.5576	7595.286
## 1623 0.063002	3831.0625	725.8410	7453.662
## 1624 0.054811	3921.1699	504.4745	7562.400
## 1625 0.062764	3908.4802	367.2136	7671.998
## 1626 0.069461	3904.6768	524.5453	7505.920
## 1627 0.070890	3919.5637	269.0101	7695.214
## 1628 0.059245	3897.1128	427.1714	7671.852
## 1629 0.062441	3932.6455	313.9864	7687.808
## 1630 0.082082	3846.5227	591.6005	7544.104
## 1631 0.064349	3917.8000	396.6709	7656.223
## 1632 0.049498	3871.9617	636.5477	7517.811
## 1633 0.049610	3827.7480	816.4584	7383.967
## 1634 0.081045	3883.1489	535.2674	7590.542
## 1635 0.066733	3820.2842	680.3153	7508.209
## 1636 0.078219	3925.8743	298.1681	7673.821
## 1637 0.092462	3731.9324	827.6750	7352.010
## 1638 0.066554	3801.6587	661.0703	7505.282
## 1639 0.051268	3903.5837	586.2399	7500.686
## 1640 0.085974	3821.4934	715.7865	7462.501
## 1641 0.077223	3902.3799	480.7878	7545.218
## 1642 0.075030	3926.6885	228.1457	7700.414
## 1643 0.094493	3791.5405	577.7985	7555.159
## 1644 0.070813	3909.6045	403.0501	7658.911
## 1645 0.081445	3901.4761	440.5698	7649.179
## 1646 0.067551	3936.9929	340.8298	7668.087
## 1647 0.076560	3812.5461	694.1231	7495.312
## 1648 0.080326	3925.5005	284.0885	7693.215
## 1649 0.063136	3813.9253	734.4849	7474.114
## 1650 0.075316	3931.7874	194.6042	7696.006
## 1651 0.077257	3701.3093	938.8922	7252.240
## 1652 0.060836	3887.8191	481.2798	7613.850
## 1653 0.077736	3865.7712	398.4286	7659.862
## 1654 0.038031	3345.0984	1460.1439	6588.000
## 1655 0.050958	3839.3140	723.8052	7513.462
## 1656 0.093695	3308.1069	1445.0004	6506.000
## 1657 0.077806	3806.3384	772.1284	7433.333
## 1658 0.103525	3580.5093	1178.0164	7013.415
## 1659 0.064286	3788.2651	823.8640	7406.180
## 1660 0.107983	3855.9082	662.7202	7372.499
## 1661 0.072488	3933.6824	433.4743	7573.664
## 1662 0.064308	3770.7161	769.2559	7425.483
## 1663 0.074950	3913.1421	289.0548	7709.018
## 1664 0.075101	3684.2288	927.7459	7266.176

## 1665 0.071087	3900.1711	407.5965	7670.495
## 1666 0.065176	3942.3921	352.4841	7644.383
## 1667 0.066871	3889.3525	276.1958	7695.771
## 1668 0.074109	3314.9355	1450.5220	6435.000
## 1669 0.083594	3829.2576	537.7773	7545.524
## 1670 0.059154	3767.6421	679.9141	7482.903
## 1671 0.110255	3807.9844	660.4598	7463.639
## 1672 0.062159	3785.0730	749.4844	7397.726
## 1673 0.084404	3717.2693	900.6256	7315.755
## 1674 0.058249	3837.0017	531.0841	7596.433
## 1675 0.072337	3710.1531	899.2984	7315.069
## 1676 0.058690	3880.4490	486.8304	7615.222
## 1677 0.057871	3576.5369	1149.9298	7041.278
## 1678 0.061848	3775.7844	788.5704	7395.104
## 1679 0.068069	3911.2288	410.8510	7642.922
## 1680 0.059654	3920.4038	357.9279	7690.818
## 1681 0.066918	3910.5957	344.4158	7638.079
## 1682 0.068602	3873.1855	403.7218	7642.183
## 1683 0.068948	3728.0186	850.7946	7305.724
## 1684 0.067512	3863.7778	393.2052	7639.708
## 1685 0.068838	3803.6021	648.8247	7468.543
## 1686 0.063673	3871.6509	368.1735	7618.232
## 1687 0.065845	3912.5461	307.4758	7630.531
## 1688 0.058252	3905.8010	511.4252	7572.738
## 1689 0.052510	3843.1277	712.3333	7491.735
## 1690 0.050992	3810.4360	818.4793	7390.110
## 1691 0.067656	3773.1680	695.7690	7466.281
## 1692 0.073196	3877.7998	516.6561	7560.581
## 1693 0.072017	3866.7109	590.4146	7505.556
## 1694 0.051947	3749.2737	748.8108	7433.881
## 1695 0.052955	3817.1873	403.4528	7682.815
## 1696 0.074671	3836.2664	387.8153	7731.098
## 1697 0.030641	2490.4238	1565.9625	6575.000
## 1698 0.100943	3848.4148	794.1193	7164.795
## 1699 0.095495	3539.1423	1216.9539	6828.947
## 1700 0.072979	3196.9126	1402.0476	6560.000
## 1701 0.061045	3685.5020	948.4916	7237.692
## 1702 0.055395	3469.3313	1250.1936	6861.428
## 1703 0.059015	3596.4666	1153.2390	6960.466
## 1704 0.055450	3715.3599	932.2864	7266.175
## 1705 0.054256	3780.1350	743.1931	7434.091
## 1706 0.056621	3795.4023	571.5448	7588.267
## 1707 0.061701	3759.0444	654.3765	7514.965
## 1708 0.055395	3854.3960	403.3207	7619.559
## 1709 0.055288	3745.4053	671.1942	7517.391
## 1710 0.059804	3830.4211	502.3801	7568.416
## 1711 0.059260	3611.5212	1005.2979	7158.772
## 1712 0.057282	3754.3892	813.3021	7350.542
## 1713 0.055976	3721.3000	785.2655	7405.927
## 1714 0.058723	3741.3257	702.1290	7473.807
## 1715 0.065783	3730.6377	633.2759	7550.470
## 1716 0.048148	3786.6421	576.5439	7566.361
## 1717 0.064655	3492.5913	1221.4229	6857.434
## 1718 0.051945	3888.2095	243.7744	7694.547

## 1719 0.050607	3778.5952	662.5137	7452.857
## 1720 0.040840	3894.9902	408.4410	7637.177
## 1721 0.038984	3916.3064	303.9490	7698.411
## 1722 0.039935	3890.1697	433.0115	7644.404
## 1723 0.039745	3830.0215	669.0192	7506.934
## 1724 0.047193	3913.0181	391.6301	7709.953
## 1725 0.041639	3350.6780	1398.3804	6642.591
## 1726 0.037445	3101.8667	1355.7108	6882.575
## 1727 0.039374	3155.4797	1481.0103	6677.884
## 1728 0.058025	3341.2410	1458.9343	6541.000
## 1729 0.045403	3316.8359	1448.8427	6577.001
## 1730 0.068520	3833.4778	601.7336	7731.366
## 1731 0.055400	3398.9500	1334.0669	6780.000
## 1732 0.079789	3450.8840	1279.0741	6791.175
## 1733 0.046005	3645.1287	1138.8632	6991.110
## 1734 0.049599	3364.8896	1435.3347	6595.192
## 1735 0.041158	3766.8220	920.8481	7291.551
## 1736 0.051542	3658.0850	1115.9885	7030.852
## 1737 0.055901	3434.0754	1402.0903	6583.035
## 1738 0.069303	3360.8430	1466.9989	6414.999
## 1739 0.055024	3712.4065	1002.4123	7192.796
## 1740 0.042126	3407.1345	1364.2471	6780.172
## 1741 0.045440	3312.1387	1446.7627	6598.999
## 1742 0.052597	3626.6985	1107.4133	7142.021
## 1743 0.043813	3746.1912	898.6180	7369.256
## 1744 0.043080	3667.3701	1019.8646	7255.803
## 1745 0.046740	3374.2466	1408.3004	6682.407
## 1746 0.038411	3305.7593	1445.3074	6594.001
## 1747 0.037738	3827.3799	710.2399	7573.347
## 1748 0.040805	3682.5759	987.9189	7324.166
## 1749 0.048087	3493.4109	1298.3776	6790.151
## 1750 0.061238	3320.8721	1450.8717	6538.000
## 1751 0.049366	3325.0630	1453.1549	6516.999
## 1752 0.046322	3298.7327	1441.2473	6566.000
## 1753 0.069854	3765.4683	804.9269	7451.882
## 1754 0.056462	3697.1309	922.1239	7353.985
## 1755 0.053926	3692.3523	980.2195	7344.262
## 1756 0.061886	3600.4438	1052.5201	7286.292
## 1757 0.044940	3487.6826	1254.1957	6915.714
## 1758 0.046157	3524.9944	1120.8151	7215.625
## 1759 0.082878	3369.9883	1470.8470	6405.000
## 1760 0.077923	3457.2898	1383.1001	6493.104
## 1761 0.048445	3703.3315	1037.6106	7145.000
## 1762 0.042883	3425.5884	1344.8419	6750.834
## 1763 0.045471	3364.5010	1468.5153	6498.000
## 1764 0.044823	3652.8281	1089.9497	7128.571
## 1765 0.042318	3399.0803	1388.4388	6688.394
## 1766 0.044156	3453.5317	1355.2129	6754.167
## 1767 0.052081	3388.4817	1445.0024	6547.113
## 1768 0.042812	3407.0149	1391.5771	6708.930
## 1769 0.045871	3398.4214	1417.5450	6619.444
## 1770 0.046779	3367.3411	1436.4427	6604.807
## 1771 0.051905	3455.9768	1355.9382	6695.000
## 1772 0.042945	3395.4504	1386.8260	6738.393

## 1773 0.051245	3327.7227	1453.0447	6606.000
## 1774 0.046793	3407.9658	1391.8883	6700.893
## 1775 0.043582	3418.9863	1368.1907	6779.311
## 1776 0.044426	3352.1450	1463.2551	6553.001
## 1777 0.042591	3550.6362	1236.6030	6972.298
## 1778 0.060746	3738.9172	935.7435	7311.396
## 1779 0.037003	3901.1382	544.6010	7651.878
## 1780 0.042627	3932.1853	492.5295	7622.018
## 1781 0.044243	3817.3315	797.0736	7445.054
## 1782 0.040711	3729.5286	971.8897	7297.620
## 1783 0.036284	3822.8286	777.4144	7471.783
## 1784 0.039396	3852.6436	738.7256	7484.734
## 1785 0.044086	3866.0625	692.6344	7479.844
## 1786 0.054659	3755.6792	858.7327	7404.320
## 1787 0.042246	3619.9375	1093.2024	7154.165
## 1788 0.045671	3869.1255	684.8157	7555.112
## 1789 0.045333	3363.8086	1468.2777	6514.000
## 1790 0.045607	3719.5525	1041.8628	7259.091
## 1791 0.055671	3380.9509	1441.9099	6624.039
## 1792 0.044136	1086.6349	999.2650	6373.000
## 1793 0.054627	3871.1021	400.5765	7663.135
## 1794 0.056736	3848.9331	487.3629	7581.252
## 1795 0.054564	3878.3508	311.8339	7626.234
## 1796 0.054185	3912.2649	234.6469	7606.430
## 1797 0.045766	3811.5786	736.2933	7361.063
## 1798 0.062376	3559.8721	1131.6427	6930.114
## 1799 0.065978	3618.8979	971.8729	7190.726
## 1800 0.086435	3450.0708	1248.6821	6815.000
## 1801 0.052375	3626.6401	1030.6425	7090.741
## 1802 0.051380	3652.3457	1057.2189	7054.809
## 1803 0.048175	3775.2693	614.1079	7529.395
## 1804 0.066132	3315.0571	1450.8566	6439.000
## 1805 0.060715	3879.2539	299.2837	7662.879
## 1806 0.050401	3732.5237	817.0604	7355.556
## 1807 0.060318	3738.9568	697.9828	7471.628
## 1808 0.060618	3792.3149	598.8591	7529.120
## 1809 0.063372	3748.2922	545.6633	7570.044
## 1810 0.051955	3846.3909	481.5507	7634.506
## 1811 0.037049	3838.6807	588.3147	7570.718
## 1812 0.040634	3918.9626	236.3239	7706.486
## 1813 0.052958	3816.1074	562.0016	7541.331
## 1814 0.066391	3634.5261	902.5797	7250.704
## 1815 0.062129	3783.8635	658.6784	7434.684
## 1816 0.044206	3697.8386	843.7570	7355.122
## 1817 0.050011	3791.5237	650.3881	7484.761
## 1818 0.041924	3896.8582	321.6096	7699.034
## 1819 0.051210	3916.5647	275.5265	7676.059
## 1820 0.050771	3666.1934	1001.9570	7159.913
## 1821 0.045677	3873.1709	429.4078	7598.735
## 1822 0.045289	3775.8308	737.3040	7414.192
## 1823 0.046506	3786.8289	692.2402	7445.079
## 1824 0.070492	3292.8916	1439.4941	6453.000
## 1825 0.050230	3489.0369	1218.7787	6885.811
## 1826 0.053421	3340.3125	1426.0427	6577.884

## 1827 0.040897	3672.4871	1010.5827	7233.771
## 1828 0.046201	3468.8350	1312.4313	6843.750
## 1829 0.041715	3343.1345	1459.6404	6599.000
## 1830 0.045556	3343.7107	1459.9146	6590.000
## 1831 0.036791	3421.8369	1097.5991	7221.022
## 1832 0.053620	3367.5813	1302.3639	7254.430
## 1833 0.072425	3357.6570	1465.5106	6402.000
## 1834 0.053662	3612.9160	1188.0521	6885.366
## 1835 0.078644	3627.9270	1147.6479	6960.226
## 1836 0.062238	3592.1917	1197.7435	6903.125
## 1837 0.071864	3508.8540	1326.2802	6591.407
## 1838 0.061378	3555.1917	1257.1974	6820.138
## 1839 0.057078	3799.3171	758.1016	7537.734
## 1840 0.058174	3811.6282	706.4122	7569.878
## 1841 0.053684	3757.5481	848.6237	7460.542
## 1842 0.050920	3330.1826	1455.5155	6571.000
## 1843 0.054940	3596.1787	1126.3679	7136.667
## 1844 0.043529	3523.9846	1195.5767	7040.384
## 1845 0.052273	3587.8613	1137.3652	7099.999
## 1846 0.062413	3757.7822	882.5497	7391.479
## 1847 0.056074	3556.6555	1220.7118	7004.606
## 1848 0.042807	3523.0159	1286.7961	6872.059
## 1849 0.045007	3733.1375	964.9601	7296.483
## 1850 0.036185	3344.3840	1460.5812	6634.000
## 1851 0.051174	3416.7317	1395.0764	6623.214
## 1852 0.057359	3347.5625	1461.5848	6467.000
## 1853 0.054346	3806.2351	867.8513	7301.854
## 1854 0.046652	3646.6755	1056.7626	7216.827
## 1855 0.042141	3394.5728	1387.0132	6716.964
## 1856 0.042013	3655.4492	1025.9265	7305.454
## 1857 0.048953	3520.5869	1245.9493	6992.360
## 1858 0.056678	3828.5137	670.8366	7568.382
## 1859 0.059727	3831.5356	668.8192	7544.242
## 1860 0.058533	3829.8965	538.7018	7694.830
## 1861 0.051209	3707.4221	983.7775	7283.196
## 1862 0.049397	3780.0640	792.2360	7488.279
## 1863 0.042238	3832.4727	746.3641	7482.042
## 1864 0.048819	3888.4155	551.1033	7615.290
## 1865 0.049810	3875.5176	571.9864	7599.889
## 1866 0.050220	3878.9927	683.8067	7491.542
## 1867 0.049086	3642.2083	1137.8856	7020.555
## 1868 0.043228	3741.9543	951.6544	7237.123
## 1869 0.054131	3724.2385	933.6127	7273.528
## 1870 0.047938	3768.7480	914.7800	7282.640
## 1871 0.040289	3813.5015	743.3988	7487.727
## 1872 0.042513	3782.2278	796.2719	7480.263
## 1873 0.039749	3781.5928	874.6101	7425.632
## 1874 0.058015	3584.0945	1152.8596	7033.721
## 1875 0.051193	3820.9976	758.2473	7478.536
## 1876 0.049017	3889.4521	591.3492	7630.619
## 1877 0.066737	3349.6038	1462.3005	6521.999
## 1878 0.058513	3341.7273	1459.4355	6553.001
## 1879 0.057227	3814.8696	800.8635	7385.527
## 1880 0.053919	3753.0637	666.3051	7680.474

## 1881 0.050238	3770.0032	684.7473	7491.476
## 1882 0.054378	3727.0066	656.3818	7567.857
## 1883 0.062271	3811.2644	511.3599	7653.952
## 1884 0.052445	3837.3711	495.2018	7671.292
## 1885 0.058418	3848.2146	524.9023	7597.621
## 1886 0.062017	3849.6440	495.2618	7631.321
## 1887 0.058679	3847.4878	554.7505	7615.395
## 1888 0.066033	3805.2163	646.5884	7542.062
## 1889 0.066255	3753.0413	713.8735	7494.167
## 1890 0.054634	3652.5793	944.7172	7278.847
## 1891 0.064677	3672.2649	818.3422	7412.921
## 1892 0.067009	3381.5840	1307.2754	6781.452
## 1893 0.055970	3819.7373	483.0278	7662.327
## 1894 0.052664	3765.1362	583.8010	7600.130
## 1895 0.060700	3841.0112	453.0234	7653.688
## 1896 0.057006	3798.2300	606.1999	7611.471
## 1897 0.052129	3712.5801	677.2165	7579.688
## 1898 0.050346	3751.3523	743.3821	7442.340
## 1899 0.038265	3890.0173	320.0656	7701.433
## 1900 0.040301	3799.8770	649.4618	7533.333
## 1901 0.037578	3897.3826	402.0127	7666.187
## 1902 0.040723	3807.8525	698.8549	7483.002
## 1903 0.041955	3889.7754	390.8597	7662.559
## 1904 0.035933	3840.9600	560.9384	7592.210
## 1905 0.053853	3716.0630	831.5994	7310.175
## 1906 0.047035	3810.0481	627.4449	7510.625
## 1907 0.046450	3792.2795	725.2565	7484.784
## 1908 0.049907	3720.0188	925.3914	7312.319
## 1909 0.048807	3403.0122	1336.5588	6760.833
## 1910 0.046410	3401.0010	1389.4832	6758.930
## 1911 0.045094	3515.2188	1284.0077	6925.735
## 1912 0.052896	3584.1626	1164.0262	7067.262
## 1913 0.041617	2331.6360	1506.0129	7086.363
## 1914 0.046063	3228.3250	1503.8486	6551.000
## 1915 0.057061	3362.2122	1467.6124	6487.999
## 1916 0.055128	3347.0840	1461.0370	6501.000
## 1917 0.072521	3591.3037	1197.7273	6901.874
## 1918 0.075853	3371.2056	1471.3967	6421.000
## 1919 0.061287	3615.8228	1189.0530	6942.682
## 1920 0.049651	3368.0332	1469.9994	6497.000
## 1921 0.068906	3343.7275	1426.9503	6603.846
## 1922 0.063197	3430.4951	1400.5979	6573.214
## 1923 0.062800	3671.7773	1120.0037	7009.043
## 1924 0.073068	3553.7532	1256.7030	6877.083
## 1925 0.058523	3359.6118	1466.5154	6510.000
## 1926 0.067250	3365.1599	1468.8021	6489.000
## 1927 0.066129	3695.9829	1025.9412	7207.590
## 1928 0.073651	3645.2244	1099.9606	7116.146
## 1929 0.064236	3516.7534	1284.5547	6819.852
## 1930 0.072301	3615.4331	1158.3251	6994.186
## 1931 0.086223	3346.4243	1460.7196	6480.000
## 1932 0.071236	3365.2234	1435.4850	6531.730
## 1933 0.056783	3384.4529	1411.8856	6612.038
## 1934 0.045175	3524.7742	1266.6587	6915.000

## 1935 0.051816	3426.8306	1171.8894	7380.248
## 1936 0.047175	3355.5657	1464.7017	6497.000
## 1937 0.038390	3757.7761	939.9766	7286.766
## 1938 0.049785	3347.1765	1461.3041	6544.000
## 1939 0.043739	3354.6726	1464.4335	6536.000
## 1940 0.048129	3351.6997	1463.7156	6543.000
## 1941 0.041926	3813.4817	828.1702	7401.686
## 1942 0.046826	3604.4143	1155.3326	7072.094
## 1943 0.047769	3785.2700	841.6282	7422.475
## 1944 0.054856	3784.8008	847.8529	7369.346
## 1945 0.041751	3788.4270	864.5031	7372.842
## 1946 0.058900	3463.5271	1333.6854	6731.452
## 1947 0.060785	3676.9253	1031.3843	7155.001
## 1948 0.049036	3886.9478	607.1343	7527.662
## 1949 0.064494	3327.7795	1454.6772	6442.000
## 1950 0.046242	3907.9023	503.2095	7619.455
## 1951 0.053349	3883.3547	508.6458	7696.786
## 1952 0.054345	3889.2629	498.7731	7670.520
## 1953 0.063451	3914.7112	418.8332	7696.867
## 1954 0.055269	3327.3738	1453.1209	6571.000
## 1955 0.044028	3565.9250	1158.2378	7070.239
## 1956 0.056003	3328.8840	1453.8367	6527.000
## 1957 0.047182	3574.2583	1176.1460	7032.927
## 1958 0.062797	3340.8521	1458.6942	6502.001
## 1959 0.065157	3611.1917	1142.9156	6986.363
## 1960 0.022871	3485.2954	1030.8588	7340.687
## 1961 0.041428	3309.6909	1185.3093	7577.800
## 1962 0.045447	3861.6123	577.3832	7675.946
## 1963 0.047668	3898.1245	572.2889	7605.234
## 1964 0.057469	3905.6716	436.3540	7764.002
## 1965 0.052454	3905.1406	442.8605	7752.797
## 1966 0.055462	3888.8474	548.1821	7679.227
## 1967 0.055662	3750.2615	788.0873	7579.921
## 1968 0.045423	3337.5208	1457.2433	6611.000
## 1969 0.055783	3647.4490	1100.3013	7177.083
## 1970 0.043591	3702.3274	999.5148	7322.457
## 1971 0.048625	3334.2336	1455.8163	6600.000
## 1972 0.048837	3796.4578	781.3122	7547.981
## 1973 0.057744	3697.6279	891.7676	7648.089
## 1974 0.063250	3708.0173	785.8497	7595.969
## 1975 0.065783	3875.0039	521.8112	7544.956
## 1976 0.072554	3272.8965	1433.6628	6437.000
## 1977 0.091965	3606.7124	1036.1305	7089.625
## 1978 0.061615	3931.4221	445.6695	7565.548
## 1979 0.069533	3901.6257	389.2038	7581.443
## 1980 0.077116	3831.2830	467.1854	7626.007
## 1981 0.058861	3868.9807	362.5554	7714.634
## 1982 0.054801	3336.1660	1457.0186	6526.000
## 1983 0.052452	3870.6729	513.7675	7635.083
## 1984 0.063587	3918.2976	271.3429	7674.166
## 1985 0.064068	3890.0452	380.1929	7646.365
## 1986 0.063669	3919.4880	309.8081	7674.495
## 1987 0.069556	3822.7205	636.6674	7485.647
## 1988 0.081816	3809.6768	664.8120	7510.385

## 1989	0.059924	3886.3137	495.9582	7592.430
## 1990	0.068186	3919.9146	362.8341	7607.376
## 1991	0.082409	3537.5603	1143.6136	6938.372
## 1992	0.073737	3801.3884	768.7353	7346.395
## 1993	0.068020	3844.7197	576.1330	7524.350
## 1994	0.057667	3900.5618	426.4041	7603.875
## 1995	0.056965	3878.6406	512.4899	7585.081
## 1996	0.053182	3564.0391	1161.1436	6980.358
## 1997	0.053166	3644.6726	991.8461	7190.254
## 1998	0.049196	3899.3906	522.0535	7608.768
## 1999	0.073750	3340.6367	1460.0123	6387.999
## 2000	0.063016	3890.9319	412.5139	7594.889
## 2001	0.065676	3931.0068	290.6962	7539.903
## 2002	0.056446	3761.5332	831.5389	7251.148
## 2003	0.065700	3942.7048	277.9825	7551.148
## 2004	0.058819	3940.7759	262.7652	7592.333
## 2005	0.055346	3859.1047	636.1230	7444.937
## 2006	0.066659	3813.4365	777.0803	7305.448
## 2007	0.056903	3893.0198	562.5110	7463.382
## 2008	0.057581	3873.2019	656.7855	7383.333
## 2009	0.053351	3855.6267	625.7573	7456.330
## 2010	0.054831	3950.4937	278.1260	7627.105
## 2011	0.061239	3690.5435	1055.0608	7049.528
## 2012	0.053981	3895.5630	526.3040	7516.740
## 2013	0.062413	3890.6252	503.5302	7572.998
## 2014	0.073636	3362.8374	1467.8918	6384.000
## 2015	0.054155	3846.9978	702.1611	7429.400
## 2016	0.059866	3344.1228	1459.9469	6457.000
## 2017	0.055630	3815.5864	793.1125	7351.546
## 2018	0.054463	3795.0347	820.1093	7391.945
## 2019	0.057888	3611.9226	1172.6534	6957.144
## 2020	0.059088	3703.6074	992.0377	7197.499
## 2021	0.039783	3692.7705	963.5505	7365.476
## 2022	0.045357	3639.5725	1074.6643	7180.999
## 2023	0.050543	3302.9924	1309.6570	7370.066
## 2024	0.044949	3603.2048	1154.9926	7065.116
## 2025	0.055319	3747.3718	886.1941	7417.186
## 2026	0.043508	3659.8967	1037.1284	7196.759
## 2027	0.046912	3464.6951	1310.8025	6882.812
## 2028	0.056298	3791.7527	599.6233	7571.033
## 2029	0.051552	3764.0767	790.6799	7395.572
## 2030	0.057031	3529.5125	1134.2981	6984.883
## 2031	0.044878	3692.5486	965.8625	7242.458
## 2032	0.057815	3643.6387	910.2430	7269.641
## 2033	0.061235	3403.8865	1339.0082	6695.833
## 2034	0.048668	3413.8003	1275.2184	6774.999
## 2035	0.053454	3356.5752	1374.3901	6591.071
## 2036	0.073018	3289.2878	1439.1378	6477.000
## 2037	0.050626	3500.6206	1206.8951	6915.132
## 2038	0.045505	3255.9512	1425.9391	6530.000
## 2039	0.053826	3172.4832	1394.5681	6493.999
## 2040	0.052161	3561.7344	1130.0233	6982.386
## 2041	0.049898	3429.6917	1259.4889	6835.294
## 2042	0.042998	3743.5942	815.0375	7386.944

## 2043	0.044447	3635.4387	1013.4191	7206.250
## 2044	0.046002	3454.0259	1285.6711	6817.424
## 2045	0.066512	3303.3215	1443.7402	6441.000
## 2046	0.054860	3362.7498	1299.7267	6667.741
## 2047	0.051292	3575.5005	1134.8126	6965.341
## 2048	0.042816	3477.8145	1098.7142	7024.999
## 2049	0.069687	3334.6096	1424.9312	6539.423
## 2050	0.064414	3285.4421	1406.2389	6479.808
## 2051	0.053326	3681.9690	906.8635	7242.254
## 2052	0.054485	3256.2544	1425.6497	6480.000
## 2053	0.047832	3319.8589	1388.9609	6595.370
## 2054	0.062058	3377.0969	1268.3752	6848.610
## 2055	0.047803	3622.0625	1160.4363	7062.789
## 2056	0.050086	3889.9792	583.7415	7616.123
## 2057	0.046678	3781.0908	868.4694	7411.563
## 2058	0.051051	3634.8398	1122.4766	7120.109
## 2059	0.041015	3341.1331	1458.7900	6544.000
## 2060	0.042150	3610.5979	1142.6035	7093.749
## 2061	0.049183	3593.5276	1198.1682	6973.750
## 2062	0.044773	3625.3979	1147.2970	7052.273
## 2063	0.043066	3806.9512	831.3605	7412.782
## 2064	0.048726	3764.0896	907.0973	7357.534
## 2065	0.037769	3507.6462	1302.9680	6872.728
## 2066	0.052972	3764.7341	859.8529	7428.031
## 2067	0.068659	3616.7002	1144.7568	7073.295
## 2068	0.049496	3685.7949	1053.9470	7198.114
## 2069	0.043182	3789.2214	841.5977	7458.622
## 2070	0.027835	3553.5481	1171.0358	7160.365
## 2071	0.043337	3782.5930	809.7219	7525.545
## 2072	0.058306	3337.2568	1367.5968	6712.500
## 2073	0.036151	3561.7673	1115.9138	7185.555
## 2074	0.051692	3671.1274	977.2026	7304.099
## 2075	0.039102	3623.2144	1059.8273	7253.432
## 2076	0.046322	3595.3135	1125.0577	7126.667
## 2077	0.044427	3703.2988	922.5309	7422.102
## 2078	0.020388	3595.5142	1074.7699	7276.531
## 2079	0.034216	3320.1433	1450.4994	6630.999
## 2080	0.042862	3481.5398	1316.6388	6884.376
## 2081	0.055315	3685.4424	1004.6365	7294.828
## 2082	0.054517	3612.6604	1080.6177	7185.203
## 2083	0.052380	3655.9924	1017.3971	7261.161
## 2084	0.051054	3544.3945	1168.0031	7057.928
## 2085	0.044667	3775.4595	783.0898	7493.367
## 2086	0.057276	3329.7847	1453.8470	6556.000
## 2087	0.042980	3813.6399	727.0099	7535.001
## 2088	0.035730	3867.7949	573.6661	7719.150
## 2089	0.044159	3405.1472	1219.5281	7551.158
## 2090	0.059241	3892.4084	526.5176	7578.306
## 2091	0.063301	3898.9563	359.8499	7631.977
## 2092	0.069090	3746.9290	906.6284	7280.136
## 2093	0.108792	3308.9119	1448.5928	6405.000
## 2094	0.074085	3807.4231	587.8399	7620.531
## 2095	0.066419	3899.2019	502.6263	7551.500
## 2096	0.056172	3891.5073	421.7985	7675.753

## 2097 0.052516	3941.6379	324.1562	7688.538
## 2098 0.055362	3900.4993	483.0526	7629.135
## 2099 0.061241	3918.2268	313.9584	7689.123
## 2100 0.060898	3806.4392	716.1011	7497.479
## 2101 0.056763	3854.8489	647.2751	7514.863
## 2102 0.061221	3547.0759	1236.4436	6868.919
## 2103 0.059678	3925.2778	362.9557	7658.280
## 2104 0.062335	3906.9314	469.6604	7610.764
## 2105 0.072436	3684.0327	1043.7748	7113.889
## 2106 0.063827	3884.5312	553.7864	7574.507
## 2107 0.061852	3913.7275	347.0825	7687.182
## 2108 0.059283	3895.9163	398.5988	7706.563
## 2109 0.089168	3313.7976	1448.4965	6432.000
## 2110 0.069430	3890.7866	450.1530	7563.045
## 2111 0.070408	3924.8865	309.8447	7600.999
## 2112 0.078842	3927.8174	396.8368	7499.266
## 2113 0.079024	3938.3003	250.5143	7572.645
## 2114 0.076735	3902.8157	373.7661	7553.037
## 2115 0.062092	3934.0979	315.8152	7620.208
## 2116 0.046723	3671.9851	1061.9299	7123.558
## 2117 0.067601	3547.4055	1254.7200	6820.833
## 2118 0.078946	3337.0371	1424.7207	6484.614
## 2119 0.088138	3795.8987	808.1012	7283.870
## 2120 0.109449	3515.7815	1284.9137	6655.882
## 2121 0.072247	3553.5637	1238.1029	6826.351
## 2122 0.078024	3715.2559	955.9028	7132.692
## 2123 0.071681	3922.0925	406.1770	7550.704
## 2124 0.073328	3708.1797	953.8019	7155.385
## 2125 0.071877	3771.4536	841.0558	7315.294
## 2126 0.060141	3878.3037	536.1934	7519.290
## 2127 0.058219	3771.4407	846.4932	7361.311
## 2128 0.079568	3779.5281	817.5840	7402.778
## 2129 0.073151	3611.2510	1172.5513	6872.024
## 2130 0.050414	3700.9951	975.2810	7227.821
## 2131 0.046703	3720.6821	986.6153	7221.311
## 2132 0.053819	3726.1128	838.6161	7644.468
## 2133 0.049191	3862.2273	532.5292	7688.270
## 2134 0.046327	3824.8022	798.4082	7429.950
## 2135 0.038043	3729.8525	971.8119	7292.857
## 2136 0.052617	3836.5493	783.6951	7402.249
## 2137 0.040774	3856.5173	735.8187	7458.333
## 2138 0.042033	3857.2039	691.4115	7547.092
## 2139 0.038879	3777.7339	862.3498	7414.197
## 2140 0.044845	3662.5374	1104.8650	7101.563
## 2141 0.038903	3882.2109	678.9560	7520.000
## 2142 0.051217	3409.8679	1364.6178	6681.034
## 2143 0.049193	3870.2971	624.6630	7563.833
## 2144 0.047094	3377.0981	1409.6381	6633.333
## 2145 0.053319	3380.1956	1410.3726	6664.814
## 2146 0.043536	3523.7573	1266.2762	6910.714
## 2147 0.047084	3350.3052	1462.6130	6510.000
## 2148 0.065193	3398.1379	1417.4747	6604.629
## 2149 0.052123	3390.4016	1445.8087	6599.039
## 2150 0.040488	3454.2500	1381.8668	6706.897

## 2151 0.051261	3364.0161	1468.3573	6586.000
## 2152 0.047308	3374.3875	1472.7734	6567.000
## 2153 0.045225	3589.3018	1185.6571	7049.999
## 2154 0.034720	3562.2920	1222.2612	6967.104
## 2155 0.044098	3367.6892	1469.8896	6501.000
## 2156 0.048984	3373.3691	1472.3346	6510.000
## 2157 0.039361	3578.3411	1227.5674	6960.526
## 2158 0.035336	3806.0386	670.2192	7576.483
## 2159 0.041375	3807.1726	821.9069	7428.612
## 2160 0.036331	3820.2710	801.7152	7483.684
## 2161 0.048168	3435.0791	1374.3972	6730.172
## 2162 0.036129	3840.4136	764.7178	7542.619
## 2163 0.033614	3847.4875	734.4097	7532.675
## 2164 0.033700	3549.2710	1128.6897	7289.408
## 2165 0.041702	3792.2764	793.5030	7539.322
## 2166 0.052485	3336.8562	1456.9912	6600.000
## 2167 0.053156	3783.7393	827.6848	7436.932
## 2168 0.047497	3335.1624	1456.0343	6568.000
## 2169 0.052435	3771.7385	896.2537	7328.333
## 2170 0.053420	3744.2327	910.1007	7387.500
## 2171 0.055835	3424.4924	1370.4337	6700.862
## 2172 0.060195	3621.0615	1106.4342	7121.275
## 2173 0.048712	3647.4070	1088.9956	7179.591
## 2174 0.057137	3766.5308	877.3635	7391.988
## 2175 0.056930	3863.9683	609.1860	7576.048
## 2176 0.042640	3674.2129	1003.3564	7272.845
## 2177 0.070867	3800.2617	794.4989	7479.688
## 2178 0.052209	3750.6506	905.5239	7348.288
## 2179 0.059414	3202.5000	1406.8711	6632.001
## 2180 0.044618	3821.4001	766.2538	7452.402
## 2181 0.049110	3886.0967	564.8787	7647.949
## 2182 0.047686	3707.9075	861.6724	7701.377
## 2183 0.069432	3913.9895	404.5483	7599.687
## 2184 0.080001	3642.5000	1045.3893	7083.962
## 2185 0.073055	3842.2805	651.2885	7463.013
## 2186 0.062753	3659.6086	824.0474	7618.066
## 2187 0.061775	3818.0247	500.2239	7658.303
## 2188 0.063154	3820.6187	525.5712	7627.488
## 2189 0.056774	3858.4031	492.9267	7632.758
## 2190 0.058820	3826.4810	559.7411	7610.591
## 2191 0.064387	3810.5198	646.6467	7539.458
## 2192 0.062967	3784.9136	708.3940	7503.719
## 2193 0.061603	3702.4519	951.5811	7311.151
## 2194 0.069958	3728.1689	821.0369	7399.719
## 2195 0.056375	3350.5603	1300.5792	6766.129
## 2196 0.063377	3818.8506	483.0391	7650.000
## 2197 0.055917	3778.6262	581.6277	7628.077
## 2198 0.053083	3791.4402	477.0618	7661.912
## 2199 0.061113	3696.7837	755.3541	7426.415
## 2200 0.060705	3789.6536	634.2589	7583.764
## 2201 0.061098	3780.5698	564.0961	7669.021
## 2202 0.080115	3895.3643	516.8188	7508.755
## 2203 0.063884	3836.0957	692.9707	7470.898
## 2204 0.072436	3803.2251	757.3464	7423.347

## 2205 0.086688	3820.5195	715.2014	7406.250
## 2206 0.055615	3825.7866	739.8552	7429.242
## 2207 0.081853	3815.4180	735.7831	7400.442
## 2208 0.072585	3738.6877	896.8401	7311.148
## 2209 0.067288	3884.6111	568.3211	7499.356
## 2210 0.075375	3504.5894	1225.8738	6870.270
## 2211 0.056610	3318.1880	1450.0632	6521.001
## 2212 0.064709	3703.8909	923.0736	7262.682
## 2213 0.069498	3818.3906	641.6125	7490.500
## 2214 0.055444	3869.7959	617.3937	7547.853
## 2215 0.066763	3321.7668	1450.9033	6533.000
## 2216 0.054995	3675.9670	1031.3325	7187.729
## 2217 0.065688	3584.0654	1136.3265	7057.955
## 2218 0.061371	3328.2363	1423.1523	6534.616
## 2219 0.052292	3751.2451	918.0496	7306.338
## 2220 0.056804	3651.9512	1102.4264	7078.124
## 2221 0.070057	3364.4268	1405.8555	6573.148
## 2222 0.075501	3310.9868	1447.3618	6522.000
## 2223 0.036072	3636.6858	984.6607	7371.187
## 2224 0.040689	3791.7964	747.3148	7666.636
## 2225 0.045696	3921.2175	515.6980	7581.226
## 2226 0.050867	3859.4934	534.7659	7718.827
## 2227 0.063536	3912.8452	418.1286	7683.239
## 2228 0.061211	3649.0764	1033.8014	7264.815
## 2229 0.055584	3584.7395	1149.1335	7081.977
## 2230 0.048899	3425.8328	1344.9617	6783.334
## 2231 0.049237	3304.0850	1442.9298	6591.000
## 2232 0.050783	3710.3301	943.8429	7345.833
## 2233 0.060885	3325.5625	1452.4199	6560.999
## 2234 0.057637	3755.3464	899.1423	7362.838
## 2235 0.045044	3747.6699	896.8728	7378.380
## 2236 0.053060	3752.9729	911.1660	7265.973
## 2237 0.033440	3461.9529	926.2437	7483.457
## 2238 0.062916	3496.2615	1055.0914	7491.794
## 2239 0.075130	3796.7722	860.2603	7321.646
## 2240 0.048204	3662.2551	1092.3596	7077.041
## 2241 0.048116	3725.8799	955.7674	7305.384
## 2242 0.046150	3776.1816	873.0779	7357.912
## 2243 0.050563	3334.7622	1456.4396	6542.000
## 2244 0.059169	3865.5369	632.2021	7587.097
## 2245 0.053957	3318.8535	1449.9032	6546.001
## 2246 0.066228	3426.9358	1371.3729	6686.208
## 2247 0.041651	3705.6755	936.7262	7358.210
## 2248 0.048622	3315.4834	1448.6367	6552.000
## 2249 0.063817	3657.9880	1079.8447	7158.500
## 2250 0.049156	3743.2544	909.8289	7340.277
## 2251 0.060338	3804.6904	771.5505	7503.923
## 2252 0.045228	3331.9404	1455.5643	6549.000
## 2253 0.061365	3484.3674	1317.8804	6803.908
## 2254 0.042676	3348.5393	1462.3190	6540.001
## 2255 0.058264	3582.7966	1179.6870	7014.023
## 2256 0.045333	3339.9509	1458.3494	6556.000
## 2257 0.050391	3608.9221	1143.0852	7048.864
## 2258 0.052671	3655.7358	1068.5774	7153.432

## 2259 0.044780	3682.9224	1005.6332	7255.174
## 2260 0.058214	3780.6643	828.4337	7424.714
## 2261 0.059548	3674.8940	1041.2682	7224.072
## 2262 0.052654	3715.2527	962.2828	7310.546
## 2263 0.047369	3118.1943	1227.5992	7341.130
## 2264 0.037132	3694.7756	997.6052	7329.237
## 2265 0.041971	3491.3110	1297.0598	6915.151
## 2266 0.038731	3703.7898	973.8196	7355.646
## 2267 0.038632	3764.8347	814.4948	7526.114
## 2268 0.049860	3780.8157	917.6693	7194.792
## 2269 0.056714	3826.5669	790.1177	7422.959
## 2270 0.046127	3683.6746	1053.1378	7223.586
## 2271 0.049420	3511.8164	1282.8173	6902.206
## 2272 0.048848	3336.1677	1456.9127	6561.000
## 2273 0.048080	3352.8345	1463.5209	6548.000
## 2274 0.047567	3702.1631	1008.6945	7273.707
## 2275 0.053300	3563.9106	1223.0428	6991.447
## 2276 0.057329	3433.0618	1373.6285	6764.655
## 2277 0.045251	3483.6213	1317.4232	6890.625
## 2278 0.056108	3493.6562	1320.9324	6870.312
## 2279 0.052532	3584.8994	1179.3706	7088.415
## 2280 0.041033	3428.7207	1320.7747	6847.580
## 2281 0.038065	3444.0164	1351.7928	6829.166
## 2282 0.045633	3352.6086	1463.4249	6587.000
## 2283 0.045054	3559.1782	1239.6384	6987.162
## 2284 0.051874	3337.5793	1457.1456	6593.000
## 2285 0.043367	3613.5342	1143.3916	7151.704
## 2286 0.042660	3557.1008	1222.4474	7038.815
## 2287 0.045542	3869.8594	680.0345	7477.987
## 2288 0.056366	3705.2793	982.7220	7334.017
## 2289 0.051696	3683.0913	986.8611	7293.334
## 2290 0.069902	3312.7424	1447.2025	6568.000
## 2291 0.035662	3320.4272	1417.3849	6673.078
## 2292 0.057292	3626.4324	1082.8224	7156.123
## 2293 0.049493	3561.8750	1172.4915	7034.755
## 2294 0.051045	3837.8535	736.6785	7521.902
## 2295 0.047056	3823.9578	699.0617	7564.201
## 2296 0.055206	3859.4790	636.6084	7524.544
## 2297 0.041825	3624.7639	1002.2314	7621.703
## 2298 0.045538	3892.3452	546.3370	7637.798
## 2299 0.057163	3910.5586	484.8884	7554.089
## 2300 0.056676	3797.1177	807.8061	7341.127
## 2301 0.058231	3922.5327	419.1688	7608.653
## 2302 0.056055	3898.2742	538.0945	7568.666
## 2303 0.054333	3865.2339	638.1136	7511.349
## 2304 0.062113	3759.2175	906.6133	7288.015
## 2305 0.056648	3934.1323	395.0134	7649.877
## 2306 0.066245	3369.1165	1437.0475	6556.731
## 2307 0.054052	3817.9851	781.0262	7416.000
## 2308 0.072454	3735.4954	949.7195	7265.910
## 2309 0.065255	3827.2173	682.3725	7473.106
## 2310 0.059189	3797.7229	768.8976	7385.437
## 2311 0.063140	3834.0110	584.3733	7539.326
## 2312 0.113454	3759.2727	936.1424	6955.435

## 2313 0.112367	3702.7102	999.8901	7091.101
## 2314 0.119861	3341.4727	1459.0922	6305.000
## 2315 0.130158	3740.0608	921.5776	7027.142
## 2316 0.111945	3563.1750	1206.8184	6808.975
## 2317 0.120403	3202.7290	1415.7040	6344.000
## 2318 0.070042	3796.3496	835.3699	7397.125
## 2319 0.048000	3760.9944	919.9423	7321.479
## 2320 0.095985	3703.2444	865.1758	7300.304
## 2321 0.103118	3562.6499	1118.2129	6969.022
## 2322 0.105384	3469.2769	1297.6708	6756.818
## 2323 0.107707	3474.0874	1210.8463	6863.815
## 2324 0.051979	3710.3767	1001.3375	7252.966
## 2325 0.062636	3757.6343	955.0855	7195.073
## 2326 0.101764	3816.9331	806.3337	7198.671
## 2327 0.063957	3773.4885	897.9982	7231.000
## 2328 0.085622	3528.1160	1212.0219	6880.262
## 2329 0.078043	3428.5342	1372.2518	6583.621
## 2330 0.067907	3791.7822	781.4954	7370.432
## 2331 0.066799	3889.0710	606.8301	7468.491
## 2332 0.069917	3864.9133	684.1830	7432.197
## 2333 0.093799	3627.8059	998.3932	7169.262
## 2334 0.080992	3724.5432	982.2642	7179.032
## 2335 0.076569	3668.2866	1020.2995	7141.964
## 2336 0.075182	3504.7693	1281.1567	6779.411
## 2337 0.089955	3513.7764	1244.0505	6801.390
## 2338 0.064720	3324.8652	1487.1091	6425.835
## 2339 0.051666	3806.0288	826.4154	7361.520
## 2340 0.062224	3551.3281	1275.7611	6783.571
## 2341 0.052697	2970.9302	1544.7485	6973.812
## 2342 0.040305	3402.7178	1389.8419	6640.180
## 2343 0.031658	3884.3511	626.8577	7584.751
## 2344 0.044942	3320.9353	1417.2710	6612.501
## 2345 0.039836	3377.6750	1380.1222	6709.822
## 2346 0.042909	3503.8167	1260.1251	6906.429
## 2347 0.043185	3345.2686	1460.4065	6564.001
## 2348 0.051358	3391.5400	1414.8142	6618.521
## 2349 0.056646	3364.0112	1434.9409	6545.192
## 2350 0.055080	3440.1316	1376.3617	6693.104
## 2351 0.045494	3348.8037	1461.9879	6568.002
## 2352 0.046578	3350.1680	1462.5099	6559.000
## 2353 0.047408	3596.8875	1183.1874	7044.514
## 2354 0.041511	3568.9377	1224.4785	6988.159
## 2355 0.043490	3346.3145	1460.8358	6581.000
## 2356 0.044903	3359.9575	1466.5646	6605.001
## 2357 0.042007	3597.9998	1199.6327	7053.750
## 2358 0.033403	3866.9094	679.1722	7572.019
## 2359 0.037168	3213.7876	1399.9169	6876.562
## 2360 0.039335	3312.0364	1446.3137	6611.000
## 2361 0.039618	3546.7737	1200.2798	7053.848
## 2362 0.040692	3324.1777	1451.6178	6605.001
## 2363 0.041779	3332.2808	1455.0013	6594.000
## 2364 0.035406	3583.4431	1148.8258	7151.161
## 2365 0.038457	3604.0007	1055.6163	7297.546
## 2366 0.037596	3909.4458	543.9313	7620.166

## 2367 0.044136	3933.2024	492.6706	7609.520
## 2368 0.038212	3815.2454	792.4871	7485.052
## 2369 0.041149	3745.0957	975.6293	7284.524
## 2370 0.040448	3829.7275	782.4793	7450.001
## 2371 0.041262	3851.8821	738.7559	7471.460
## 2372 0.051286	3855.6086	688.8946	7515.000
## 2373 0.047188	3756.1936	867.8483	7411.251
## 2374 0.044634	3663.2458	1092.6743	7137.756
## 2375 0.045334	3881.1963	689.2345	7553.438
## 2376 0.050988	3392.7537	1446.7979	6593.271
## 2377 0.049833	1652.2562	1395.9799	6753.789
## 2378 0.028552	3385.5720	1190.4683	7414.920
## 2379 0.042455	3857.2920	604.5108	7643.821
## 2380 0.060925	3862.6553	708.9206	7525.407
## 2381 0.052823	3579.2432	992.4920	7484.293
## 2382 0.060459	3912.3186	402.0486	7609.201
## 2383 0.054353	3756.0811	870.1581	7349.369
## 2384 0.053780	3911.4487	231.8056	7693.191
## 2385 0.062201	3898.7317	433.6365	7635.707
## 2386 0.081134	3794.5320	780.4039	7409.161
## 2387 0.091297	3738.1890	885.3296	7265.584
## 2388 0.064029	3843.1824	652.1639	7481.863
## 2389 0.057499	3503.0054	1234.6230	6872.974
## 2390 0.054354	3347.8398	1461.5326	6512.000
## 2391 0.085487	3300.7656	1447.6034	6356.000
## 2392 0.070865	3753.5881	725.5690	7483.533
## 2393 0.058328	3785.9170	480.4768	7685.480
## 2394 0.067541	3755.5559	704.4841	7625.195
## 2395 0.057287	3912.4966	375.9541	7675.271
## 2396 0.050760	3947.8667	288.3745	7644.993
## 2397 0.040993	3596.4607	1137.9128	7110.228
## 2398 0.047184	3847.1575	738.0258	7462.386
## 2399 0.053938	3908.5410	535.9855	7567.203
## 2400 0.055267	3877.4219	488.5886	7651.120
## 2401 0.067513	3833.8247	678.4089	7496.642
## 2402 0.071602	3890.8599	451.1144	7639.577
## 2403 0.088794	3325.5750	1143.0708	6812.180
## 2404 0.078107	3507.3904	1325.7552	6606.251
## 2405 0.055103	2716.0281	1681.7408	6416.000
## 2406 0.063700	3068.4939	1609.7522	6387.000
## 2407 0.056138	3650.6157	1154.5022	6913.638
## 2408 0.051609	3799.6912	877.7675	7251.269
## 2409 0.088814	3349.8215	1462.1904	6397.000
## 2410 0.063898	3602.8289	1184.9882	6916.465
## 2411 0.066253	3647.1501	1153.4166	6885.796
## 2412 0.058066	3582.4087	1194.7805	6971.875
## 2413 0.032680	3405.4785	1291.6073	6933.595
## 2414 0.061796	3533.2432	1250.9746	6909.724
## 2415 0.059576	3792.1133	755.4484	7540.329
## 2416 0.057218	3820.1821	707.2511	7566.597
## 2417 0.044935	3745.6365	847.6092	7474.703
## 2418 0.049924	3611.1606	1117.2933	7111.957
## 2419 0.052335	3357.8938	1279.8344	6990.974
## 2420 0.051719	3424.5261	1344.3096	6772.500

## 2421 0.044003	3447.4094	1327.8934	6829.033
## 2422 0.037416	3574.6301	1209.0420	7039.102
## 2423 0.043167	3425.0042	1344.3547	6809.168
## 2424 0.065647	3504.0498	1280.2845	6897.796
## 2425 0.064250	3437.8999	1348.9780	6784.167
## 2426 0.047003	3604.5642	1140.7448	7150.000
## 2427 0.070097	3326.1973	1452.5618	6512.000
## 2428 0.049406	3687.2578	1013.8755	7259.647
## 2429 0.040120	3629.9966	1120.9471	7179.349
## 2430 0.055456	3360.4331	1466.8962	6555.002
## 2431 0.048161	3493.5847	1320.9872	6871.095
## 2432 0.049746	3556.4390	1220.4467	7033.552
## 2433 0.059303	3672.9351	1060.8612	7185.099
## 2434 0.058751	3609.6421	1128.6676	7121.112
## 2435 0.056547	3734.9062	972.9697	7296.825
## 2436 0.058865	3450.3691	1353.8806	6776.668
## 2437 0.073375	3341.3076	1458.6195	6419.000
## 2438 0.078069	3363.8909	1468.2123	6408.000
## 2439 0.071895	3593.6963	1152.0295	7049.421
## 2440 0.068988	3359.5264	1466.3129	6425.000
## 2441 0.068024	3364.0537	1468.2697	6431.000
## 2442 0.061003	3819.6279	793.1862	7453.867
## 2443 0.034409	3907.1082	542.7913	7648.974
## 2444 0.053312	3877.2791	683.2968	7474.809
## 2445 0.051608	3603.0728	1127.2310	7006.668
## 2446 0.053330	3723.9351	948.4674	7278.029
## 2447 0.042663	3748.0125	937.8863	7258.455
## 2448 0.040156	3732.6729	914.1207	7323.242
## 2449 0.039472	3797.7021	739.1481	7535.813
## 2450 0.041970	3820.6643	802.3582	7483.685
## 2451 0.051523	3772.7424	872.8218	7362.343
## 2452 0.061227	3608.0925	1156.1897	7055.815
## 2453 0.043442	3838.7935	760.9772	7520.284
## 2454 0.051993	3890.5989	591.6533	7609.550
## 2455 0.069874	3364.5405	1468.6588	6435.001
## 2456 0.067662	3386.5081	1413.1388	6550.927
## 2457 0.039902	3301.6821	1443.9266	6501.000
## 2458 0.075998	3521.8667	996.4763	7268.967
## 2459 0.062433	3580.6558	1000.9394	7607.341
## 2460 0.058152	3912.7837	374.5894	7621.931
## 2461 0.059020	3916.8538	287.0149	7645.042
## 2462 0.060606	3897.7700	452.4818	7593.610
## 2463 0.073592	3915.8420	343.0587	7563.612
## 2464 0.068801	3903.5596	383.8387	7577.760
## 2465 0.067802	3671.6414	1003.0765	7156.034
## 2466 0.069588	3515.5034	1177.3558	6876.876
## 2467 0.094794	3342.5347	1459.8517	6381.001
## 2468 0.060814	3712.0073	897.9034	7245.271
## 2469 0.066537	3898.4814	484.9656	7552.024
## 2470 0.057912	3907.3416	353.4400	7610.218
## 2471 0.063603	3938.1421	215.8217	7608.576
## 2472 0.049200	3819.7681	649.8981	7472.604
## 2473 0.059293	3871.7173	589.2772	7516.803
## 2474 0.058271	3912.2422	391.6288	7597.488

## 2475 0.070325	3422.1794	1397.8762	6538.392
## 2476 0.059626	3687.3774	1014.0609	7158.773
## 2477 0.046391	3745.0015	983.6643	7247.177
## 2478 0.055363	2485.4468	1582.1799	6873.614
## 2479 0.064154	3471.6516	1269.6860	6774.266
## 2480 0.040215	3646.6104	947.4475	7373.437
## 2481 0.050494	3304.4580	1455.8663	6502.999
## 2482 0.058214	3417.7278	1395.6710	6592.859
## 2483 0.064023	3363.3860	1468.0665	6426.000
## 2484 0.055250	3781.7048	865.2693	7347.842
## 2485 0.037717	3671.5339	1061.0018	7223.558
## 2486 0.047021	3385.9292	1383.4796	6741.967
## 2487 0.043324	3666.6926	1028.6034	7301.817
## 2488 0.054428	3462.7551	1230.3141	6973.612
## 2489 0.058041	3839.8723	671.4903	7540.812
## 2490 0.070173	3798.9956	663.7736	7547.322
## 2491 0.052399	3321.4734	1450.3260	6562.000
## 2492 0.050016	3313.8252	1449.3619	6589.000
## 2493 0.045184	3315.3328	1448.0153	6629.001
## 2494 0.070141	3606.9646	928.8365	7439.609
## 2495 0.047796	3612.7600	1157.6952	7068.606
## 2496 0.055003	3797.8889	824.8535	7379.216
## 2497 0.045823	3799.0371	850.1968	7368.156
## 2498 0.058238	3783.3584	858.5195	7302.136
## 2499 0.058102	3448.1516	1353.3934	6670.000
## 2500 0.047264	3907.1174	528.1605	7591.335
## 2501 0.055164	3352.3845	1463.4612	6478.999
## 2502 0.047163	3901.0574	504.9507	7696.768
## 2503 0.036648	3899.9143	511.3491	7736.925
## 2504 0.036213	3910.2520	503.6128	7723.688
## 2505 0.040841	3917.8735	419.9069	7724.512
## 2506 0.048265	3419.3813	1368.5393	6771.553
## 2507 0.039068	3638.2109	1110.1923	7213.829
## 2508 0.038641	3573.1626	1191.8568	7074.376
## 2509 0.040864	3512.2380	1117.2257	7174.431
## 2510 0.055466	3566.2756	1048.7949	7398.863
## 2511 0.052967	3704.0325	997.8033	7298.016
## 2512 0.042960	3802.6682	830.9514	7457.102
## 2513 0.060171	3685.7957	1045.8746	7130.094
## 2514 0.050627	3750.5879	968.7126	7190.236
## 2515 0.065510	3731.6494	980.4426	7227.420
## 2516 0.047763	3710.1672	1001.4601	7290.678
## 2517 0.050742	3487.0552	1295.8561	6874.245
## 2518 0.044701	3722.9133	978.6218	7291.126
## 2519 0.046977	3802.0583	821.2983	7467.778
## 2520 0.051291	3759.2214	919.5582	7419.366
## 2521 0.043898	3803.0291	781.7502	7535.355
## 2522 0.034344	3411.9307	1393.4370	6766.072
## 2523 0.039521	3349.9714	1462.3784	6609.001
## 2524 0.040478	3647.2170	1126.0190	7153.261
## 2525 0.039582	3765.7634	894.6876	7469.000
## 2526 0.053214	3671.8394	1029.6448	7229.092
## 2527 0.055227	3394.7090	1387.6216	6671.431
## 2528 0.047730	3342.1648	1459.2122	6535.000

## 2529 0.038367	3814.9812	712.5641	7558.125
## 2530 0.036349	3710.1682	984.1920	7331.148
## 2531 0.048011	3474.8491	1291.6897	6846.972
## 2532 0.049070	3301.2864	1442.3073	6609.000
## 2533 0.041878	3341.7495	1459.3839	6581.000
## 2534 0.038689	3297.9165	1441.2887	6607.001
## 2535 0.047557	3781.0532	807.0701	7435.488
## 2536 0.049772	3703.3127	929.2508	7353.677
## 2537 0.074608	3718.5742	849.8691	7377.744
## 2538 0.052830	3546.3679	1169.1058	7070.731
## 2539 0.050249	3320.2786	1450.5872	6624.000
## 2540 0.056224	3811.6001	601.5724	7676.009
## 2541 0.051401	3904.0830	491.6186	7601.522
## 2542 0.049031	3276.3240	1433.3285	6577.000
## 2543 0.054467	3700.6548	945.7906	7295.077
## 2544 0.055364	3923.2529	430.0142	7641.719
## 2545 0.046232	3906.8042	468.1090	7671.080
## 2546 0.041953	3843.8445	586.5183	7649.439
## 2547 0.064629	3635.6956	863.0277	7539.947
## 2548 0.065922	3778.7112	760.8884	7427.981
## 2549 0.074889	3337.3367	1457.9410	6436.000
## 2550 0.051888	3805.9939	773.2142	7427.427
## 2551 0.063524	3894.4172	468.6750	7599.244
## 2552 0.072166	3895.8389	518.3331	7544.872
## 2553 0.057222	3824.1477	744.7776	7440.314
## 2554 0.061830	3646.3611	786.1490	7468.814
## 2555 0.043019	3853.0620	492.6999	7779.552
## 2556 0.056156	3928.9126	432.0573	7675.519
## 2557 0.052845	3838.6208	613.4899	7676.020
## 2558 0.062335	3802.9644	760.3939	7391.823
## 2559 0.081635	3729.7737	860.2986	7325.001
## 2560 0.055719	3824.0588	621.6636	7568.895
## 2561 0.133499	3319.5508	1449.4957	6239.000
## 2562 0.114568	3618.7266	1073.1422	7076.999
## 2563 0.072470	3327.8572	1454.4868	6527.001
## 2564 0.085707	3302.0691	1445.3722	6499.000
## 2565 0.117568	3486.5837	1151.2500	6906.546
## 2566 0.097940	3606.3865	1009.8330	7177.196
## 2567 0.080082	3650.6697	1127.0133	6908.695
## 2568 0.092886	3807.5505	758.7366	7271.099
## 2569 0.088036	3657.8560	971.3090	7044.354
## 2570 0.066206	3789.6255	781.6044	7349.242
## 2571 0.073833	3756.1169	783.4293	7306.123
## 2572 0.077109	3803.5259	794.4797	7291.145
## 2573 0.068392	3318.9595	1449.7601	6384.000
## 2574 0.092023	3827.2473	556.0815	7441.592
## 2575 0.068076	3881.5916	639.2919	7464.802
## 2576 0.111153	3852.9067	481.9443	7527.942
## 2577 0.069510	3707.8069	739.6860	7513.179
## 2578 0.100208	3751.5859	802.2366	7383.241
## 2579 0.099762	3436.4541	1349.0114	6745.833
## 2580 0.098895	3728.3894	929.9099	7120.713
## 2581 0.105641	3722.0632	884.7249	7123.173
## 2582 0.077697	3686.7998	1023.7178	7073.216

## 2583 0.100129	3846.9014	528.4233	7436.562
## 2584 0.121700	3627.8154	957.6493	7053.260
## 2585 0.115745	3802.0510	493.0498	7553.621
## 2586 0.114799	3700.7854	829.0040	7301.274
## 2587 0.118510	3576.2568	1085.7438	6888.725
## 2588 0.073530	3912.1348	334.0990	7626.898
## 2589 0.063366	3900.8794	432.5736	7684.210
## 2590 0.053442	3814.8625	591.9711	7662.854
## 2591 0.056190	3900.3513	388.8140	7610.219
## 2592 0.052099	3820.9551	641.4103	7513.833
## 2593 0.052019	3736.5967	621.8911	7581.819
## 2594 0.064237	3617.4539	1119.0029	7041.305
## 2595 0.067910	3357.2183	1465.6364	6437.000
## 2596 0.070331	3328.1929	1453.7600	6472.000
## 2597 0.063367	3584.0454	1136.7705	7001.136
## 2598 0.057311	3723.3855	864.7250	7380.382
## 2599 0.052791	3273.4600	1429.6646	6523.001
## 2600 0.051616	3191.7007	1473.3251	6885.000
## 2601 0.050184	3379.0327	1474.7659	6469.001
## 2602 0.059948	3734.4629	1007.3026	7097.880
## 2603 0.058185	3532.5154	1312.0270	6659.093
## 2604 0.083201	3550.2378	1255.4795	6764.583
## 2605 0.058836	3852.0571	763.3089	7352.120
## 2606 0.054630	3823.4734	710.5821	7573.140
## 2607 0.056772	3752.9741	843.0964	7445.536
## 2608 0.059260	3653.9688	1056.5096	7231.251
## 2609 0.053502	3734.3135	896.9802	7427.704
## 2610 0.047095	3450.4915	1306.6935	6865.626
## 2611 0.044690	3534.5884	1166.4650	7104.268
## 2612 0.049580	3600.5376	1127.6544	7126.110
## 2613 0.038102	3690.7932	884.4808	7522.186
## 2614 0.037455	3655.4775	1045.4607	7283.492
## 2615 0.037713	3688.1106	986.7716	7355.417
## 2616 0.040004	3457.2410	1307.4904	6886.721
## 2617 0.044550	3340.5144	1425.0059	6654.807
## 2618 0.035700	3807.5737	770.3019	7532.841
## 2619 0.039798	3784.7520	842.0399	7454.119
## 2620 0.046532	3678.8933	1031.3094	7263.637
## 2621 0.056280	3321.0369	1449.9280	6594.001
## 2622 0.062356	3453.5339	1330.0275	6768.550
## 2623 0.063100	3344.8372	1460.4500	6439.000
## 2624 0.062242	3573.5125	1176.7469	6997.562
## 2625 0.055575	3315.9104	1448.1096	6521.000
## 2626 0.051180	3609.7595	1142.9199	7107.388
## 2627 0.037280	3649.1196	1066.0522	7222.549
## 2628 0.035435	3855.2280	557.4081	7720.796
## 2629 0.041667	3904.9023	502.0044	7676.439
## 2630 0.053170	3828.8020	798.9773	7388.280
## 2631 0.045244	3750.9626	976.8266	7229.761
## 2632 0.044673	3831.8528	782.7711	7430.748
## 2633 0.038480	3838.0159	733.5672	7530.483
## 2634 0.037909	3870.7197	693.1625	7519.769
## 2635 0.039984	3807.3149	868.0782	7371.607
## 2636 0.044569	3646.9517	1100.4158	7097.919

## 2637 0.051689	3855.8047	676.3148	7524.628
## 2638 0.047871	3789.9673	814.9563	7442.585
## 2639 0.047555	3822.1445	801.9935	7462.894
## 2640 0.042728	3468.6316	1360.6755	6738.334
## 2641 0.040263	3845.7527	766.2792	7526.906
## 2642 0.042965	3818.6028	731.4081	7589.912
## 2643 0.044676	3692.7771	1006.5960	7274.569
## 2644 0.055295	3806.5623	791.2730	7421.393
## 2645 0.051814	3348.4001	1461.9202	6541.000
## 2646 0.053172	3771.4731	830.4137	7465.518
## 2647 0.066737	3351.2539	1463.0280	6480.001
## 2648 0.060311	3525.8879	1229.3667	6937.838
## 2649 0.055900	3467.2546	1311.9110	6821.093
## 2650 0.057874	3739.5547	974.2766	7273.015
## 2651 0.071116	3763.7576	691.9449	7692.713
## 2652 0.062605	3434.5134	1374.3462	6682.759
## 2653 0.063745	3252.3872	1435.0574	6561.000
## 2654 0.055797	3536.6631	1233.4871	6890.542
## 2655 0.061338	3677.1113	936.3900	7279.042
## 2656 0.065865	3623.9561	717.6469	7600.597
## 2657 0.081822	3443.1641	1222.8523	6888.195
## 2658 0.094859	3573.3164	1178.9622	6890.854
## 2659 0.058773	3862.8557	589.9870	7588.626
## 2660 0.113075	3540.5193	1200.0087	6871.796
## 2661 0.063114	3512.4783	1283.7172	6822.059
## 2662 0.050194	3483.2788	1235.1598	6965.281
## 2663 0.056863	3655.5479	1037.8936	7184.258
## 2664 0.065566	3836.9380	549.2642	7656.409
## 2665 0.060838	3896.1438	302.9513	7753.893
## 2666 0.044147	3783.2598	754.2900	7529.243
## 2667 0.059095	3880.5413	434.8921	7711.267
## 2668 0.041070	3656.9163	980.7595	7352.918
## 2669 0.049202	3902.8364	343.5456	7767.366
## 2670 0.044247	3772.6262	732.6131	7553.793
## 2671 0.048852	3887.9849	332.5658	7774.594
## 2672 0.051531	3849.0706	520.0274	7688.646
## 2673 0.053773	3926.8184	237.8028	7760.545
## 2674 0.059122	3836.5701	569.1874	7649.740
## 2675 0.060395	3869.9138	402.7427	7700.635
## 2676 0.060376	3926.5046	260.3507	7669.752
## 2677 0.063979	3904.7300	381.1697	7590.685
## 2678 0.089721	3795.1572	730.6857	7412.287
## 2679 0.124916	3853.1589	648.3747	7418.456
## 2680 0.177604	3834.4177	660.6994	7221.333
## 2681 0.168875	3806.2974	677.1456	7230.873
## 2682 0.164053	3827.3711	663.3542	7257.667
## 2683 0.221617	3685.2698	1006.4130	6865.416
## 2684 0.203747	3775.3599	823.2023	7042.034
## 2685 0.246353	3438.4470	1245.0837	6286.806
## 2686 0.182117	3839.9731	579.9984	7280.119
## 2687 0.079719	3747.8193	976.4387	7136.508
## 2688 0.086993	3891.0552	309.7017	7600.705
## 2689 0.066008	3858.9712	498.3688	7501.898
## 2690 0.093631	3699.5420	952.9294	7185.769

## 2691 0.153602	3798.9792	750.1263	7196.273
## 2692 0.134596	3743.7305	844.7846	7192.699
## 2693 0.128539	3729.2708	895.6688	7125.650
## 2694 0.147576	3786.8372	803.7616	7143.180
## 2695 0.172810	3369.7568	1385.8378	6341.073
## 2696 0.170215	3677.7778	953.0430	7025.722
## 2697 0.079179	3432.6921	1402.1285	6455.356
## 2698 0.204458	3726.4050	817.4695	7008.330
## 2699 0.100853	3700.3301	1058.0392	7020.285
## 2700 0.164351	3765.6873	885.9316	7062.500
## 2701 0.146946	3457.5176	1357.5294	6433.334
## 2702 0.181024	3723.3206	973.9151	6952.380
## 2703 0.154266	3907.9495	502.3867	7394.254
## 2704 0.243197	3401.2700	1390.8008	6201.786
## 2705 0.141747	3717.0144	1022.0375	7002.194
## 2706 0.151658	3796.4497	824.6862	7162.780
## 2707 0.214977	3641.1838	1088.0419	6788.775
## 2708 0.156540	3693.9321	1035.7360	6894.545
## 2709 0.099349	3758.5242	883.9171	7171.475
## 2710 0.107405	3887.5430	607.8164	7365.990
## 2711 0.161354	3695.3533	1036.3367	6885.456
## 2712 0.153973	3851.5164	683.1484	7293.419
## 2713 0.129756	3872.4873	621.7636	7388.044
## 2714 0.141203	3805.3296	826.6088	7230.338
## 2715 0.133223	3871.4482	693.5078	7331.202
## 2716 0.130668	3931.6973	452.1815	7451.366
## 2717 0.141713	3915.7104	466.3379	7447.037
## 2718 0.108776	3355.0420	1464.9962	6313.000
## 2719 0.183308	3630.3630	1065.6919	6847.059
## 2720 0.158451	3834.0774	734.4807	7263.380
## 2721 0.138860	3787.7915	825.2910	7217.137
## 2722 0.092193	3772.7009	885.2867	7219.480
## 2723 0.144504	3809.7046	795.9696	7290.908
## 2724 0.073190	3401.8855	1390.2990	6535.716
## 2725 0.132193	3721.0977	925.7115	7150.723
## 2726 0.204562	3421.1633	1397.1506	6262.502
## 2727 0.083086	3730.5518	1006.6995	7134.320
## 2728 0.060935	3552.1030	1256.7865	6793.058
## 2729 0.098811	3692.8489	1066.7001	7039.906
## 2730 0.047340	3715.1875	979.7006	7165.322
## 2731 0.109489	3929.3972	346.5061	7581.294
## 2732 0.055274	3872.6526	483.9900	7607.146
## 2733 0.055970	3393.4783	1334.6772	6670.002
## 2734 0.067283	3285.3228	1437.5366	6456.002
## 2735 0.055218	3335.9141	1457.2538	6510.000
## 2736 0.064208	3284.5640	1437.2567	6446.000
## 2737 0.057757	3524.5020	1180.8424	6935.625
## 2738 0.068196	3356.4548	1432.9708	6499.040
## 2739 0.056074	3781.4814	781.9294	7405.305
## 2740 0.047248	3694.3752	935.0551	7269.404
## 2741 0.056409	3786.6089	918.7324	7290.627
## 2742 0.067507	2855.7798	1629.0110	6543.966
## 2743 0.056797	3661.7485	1117.0027	6993.617
## 2744 0.068902	3660.1108	1092.6954	7095.919

## 2745 0.037627	3782.2078	880.0390	7457.051
## 2746 0.034564	3846.4690	612.4050	7661.226
## 2747 0.079099	3682.2068	995.9828	7250.001
## 2748 0.053653	3794.5591	799.1474	7451.317
## 2749 0.053989	3737.8220	906.0433	7309.249
## 2750 0.045902	3898.1006	530.0860	7661.996
## 2751 0.050030	3837.1057	678.8705	7585.336
## 2752 0.037705	3590.4287	1123.3505	7178.888
## 2753 0.042972	3664.2925	1033.6487	7293.562
## 2754 0.040984	3761.5940	940.9030	7286.765
## 2755 0.059124	3770.6311	914.9127	7285.764
## 2756 0.044001	3841.4211	744.4040	7423.197
## 2757 0.051151	3792.6511	803.7007	7405.584
## 2758 0.039596	3771.0005	866.9114	7345.938
## 2759 0.047642	3581.1409	1163.3103	7054.167
## 2760 0.042665	3804.3176	752.4081	7509.813
## 2761 0.047471	3891.4922	593.3936	7614.688
## 2762 0.073585	3351.4043	1463.0378	6491.000
## 2763 0.051583	3609.7571	1171.5970	7047.026
## 2764 0.054910	3927.1523	476.3422	7664.116
## 2765 0.061040	3522.6482	1023.3946	7596.591
## 2766 0.053509	3808.4102	744.9814	7413.634
## 2767 0.065232	3726.9648	885.1217	7302.303
## 2768 0.052979	3856.6133	635.6257	7510.549
## 2769 0.043130	3478.9419	1215.0221	6912.838
## 2770 0.061620	3305.7058	1445.3148	6513.001
## 2771 0.069448	3334.8379	1456.4496	6432.000
## 2772 0.051045	3820.7007	698.4285	7489.684
## 2773 0.054148	3840.1792	516.9312	7651.282
## 2774 0.063968	3802.8608	570.6223	7666.059
## 2775 0.068001	3808.2903	502.7596	7694.266
## 2776 0.057117	3811.6460	475.1563	7688.947
## 2777 0.051736	3727.6338	896.0355	7304.053
## 2778 0.084113	3616.6096	1144.7759	6976.136
## 2779 0.062331	3385.9316	1385.0145	6625.001
## 2780 0.071334	3813.2019	716.8900	7447.899
## 2781 0.067154	3792.9358	742.1035	7428.604
## 2782 0.047552	3353.1584	1114.4562	7496.289
## 2783 0.093656	3730.3091	878.9000	7363.143
## 2784 0.099122	3632.7024	1013.8499	7168.749
## 2785 0.081376	3699.4673	973.6438	7219.757
## 2786 0.068884	3858.1716	566.7894	7616.969
## 2787 0.066324	3858.6345	482.6168	7661.318
## 2788 0.102316	3680.0125	877.2535	7375.650
## 2789 0.083421	3725.4836	740.5637	7522.035
## 2790 0.078585	3860.1348	605.5977	7578.381
## 2791 0.069616	3749.7969	729.0579	7547.827
## 2792 0.069522	3619.4561	992.9567	7278.812
## 2793 0.092078	3796.8613	691.2220	7497.097
## 2794 0.113606	3618.6577	1012.7299	7184.375
## 2795 0.066928	3318.3074	1449.7363	6591.001
## 2796 0.119598	3634.3159	987.8200	7174.576
## 2797 0.064895	3904.6021	378.4798	7693.445
## 2798 0.075876	3790.3320	743.8529	7501.134

## 2799 0.087057	3500.1726	1206.7712	6953.290
## 2800 0.067671	3730.5779	904.9606	7272.261
## 2801 0.066185	3639.4561	1006.4467	7207.019
## 2802 0.071018	3758.2825	826.0967	7374.147
## 2803 0.091974	3788.4702	682.6035	7487.213
## 2804 0.062014	3678.9336	988.6590	7264.165
## 2805 0.074894	3880.0681	377.6679	7715.894
## 2806 0.075066	3856.0632	518.9703	7583.923
## 2807 0.072842	3808.7932	611.0261	7547.845
## 2808 0.068803	3772.4165	627.5827	7579.706
## 2809 0.071510	3887.0420	478.9886	7624.912
## 2810 0.060275	3799.5642	570.0522	7589.978
## 2811 0.057228	3830.3501	501.6241	7684.317
## 2812 0.091121	3682.3193	965.1541	7200.396
## 2813 0.051100	3777.4368	675.6827	7525.710
## 2814 0.053573	3168.9187	1149.2052	6978.378
## 2815 0.072212	3892.1233	556.3989	7548.165
## 2816 0.054291	3353.6714	1464.2437	6530.000
## 2817 0.053304	3315.2505	1323.1637	6760.000
## 2818 0.071513	3390.9019	1102.4001	7079.069
## 2819 0.062332	3211.4082	1428.1293	6489.000
## 2820 0.073219	3366.4924	1436.5759	6499.039
## 2821 0.069013	3402.0571	1419.3031	6533.334
## 2822 0.069820	3519.5503	1266.2429	6798.572
## 2823 0.058204	3781.8909	858.6346	7297.258
## 2824 0.054918	3337.2944	1457.5680	6532.000
## 2825 0.045618	3735.0159	928.1296	7300.724
## 2826 0.050656	3855.5049	659.3496	7618.873
## 2827 0.039745	3903.6772	525.8597	7658.432
## 2828 0.032969	3891.7058	498.7263	7759.860
## 2829 0.035802	3926.8245	418.8540	7768.471
## 2830 0.044230	3399.2314	1388.3480	6733.037
## 2831 0.051658	3587.7915	1084.0126	7242.187
## 2832 0.044698	3495.8760	1185.0991	7103.846
## 2833 0.041085	3624.8120	1132.8406	7021.111
## 2834 0.038110	3804.5688	835.9395	7371.552
## 2835 0.043481	3592.1982	1166.2195	7095.239
## 2836 0.056167	3335.8723	1456.3462	6588.000
## 2837 0.047662	3344.5925	1460.2810	6591.000
## 2838 0.046891	3597.1077	1167.6990	7124.405
## 2839 0.038266	3608.1208	1141.6578	7161.933
## 2840 0.040272	3496.8638	1277.5602	6927.206
## 2841 0.039893	2939.8984	1396.8324	6833.623
## 2842 0.063681	3309.6118	1369.5507	7132.076
## 2843 0.058282	3778.5139	867.7338	7384.375
## 2844 0.045463	3707.6191	1019.2933	7249.562
## 2845 0.046169	3573.0605	1192.5198	7032.500
## 2846 0.044313	3610.4338	1146.5464	7150.532
## 2847 0.044928	3627.0413	1147.3953	7075.002
## 2848 0.052539	3770.2146	902.2369	7333.784
## 2849 0.050560	3764.9536	907.2769	7316.783
## 2850 0.064069	3443.9258	1351.7471	6710.000
## 2851 0.049664	3523.1365	1266.3695	6856.431
## 2852 0.045952	3508.9922	1281.9891	6884.560

## 2853 0.042229	3731.3384	964.8168	7281.642
## 2854 0.053508	3351.7739	1463.1055	6536.002
## 2855 0.045567	3394.3220	1416.0415	6637.963
## 2856 0.054975	3337.4443	1457.3086	6532.000
## 2857 0.053372	3793.7258	859.7358	7393.903
## 2858 0.045966	3685.0879	1064.2582	7175.963
## 2859 0.073109	3418.8298	1395.9297	6618.750
## 2860 0.043780	3674.9307	1030.9883	7256.366
## 2861 0.044258	3517.8186	1245.0232	6963.195
## 2862 0.049426	3855.1145	673.9352	7527.389
## 2863 0.045027	3858.8086	667.3735	7573.919
## 2864 0.046906	3748.2983	863.4853	7475.002
## 2865 0.045624	3538.6562	1183.8706	7050.001
## 2866 0.052304	3582.8325	1135.9069	7149.999
## 2867 0.061350	3885.8176	390.5013	7703.352
## 2868 0.054388	3621.4736	941.7126	7614.731
## 2869 0.051793	3805.1165	795.8226	7351.041
## 2870 0.057236	3892.3589	602.2488	7495.495
## 2871 0.061933	3778.7334	910.4363	7222.604
## 2872 0.064760	3712.3560	993.3817	7172.917
## 2873 0.058297	3774.4885	884.7936	7290.585
## 2874 0.053892	3803.8196	807.7302	7388.170
## 2875 0.055898	3824.5789	782.1039	7373.752
## 2876 0.061343	3578.7966	1210.4625	6893.591
## 2877 0.056214	3941.2104	365.1768	7634.529
## 2878 0.053349	3915.4988	514.1735	7545.899
## 2879 0.065564	3350.4148	1462.7318	6457.000
## 2880 0.059691	3816.3677	805.4717	7315.959
## 2881 0.064162	3341.2405	1458.7490	6424.001
## 2882 0.059726	3816.9480	788.5941	7379.336
## 2883 0.054569	3827.2532	702.0441	7459.879
## 2884 0.075410	3761.0078	799.5807	7342.188
## 2885 0.070791	3345.3926	1460.6962	6443.000
## 2886 0.063438	3329.3423	1454.3768	6478.000
## 2887 0.070515	3808.1448	649.9481	7536.376
## 2888 0.058693	3905.0759	522.0339	7576.191
## 2889 0.088019	3806.7710	657.2468	7593.273
## 2890 0.053660	3883.4932	498.4003	7676.471
## 2891 0.070572	3759.9006	861.2084	7352.470
## 2892 0.058335	3440.5977	1221.9100	6912.502
## 2893 0.056314	3811.4780	760.1497	7385.846
## 2894 0.072169	3748.9275	872.1505	7317.724
## 2895 0.069824	3767.1560	851.5726	7314.459
## 2896 0.067853	3713.0686	716.5349	7597.910
## 2897 0.058052	3702.9731	909.2587	7303.127
## 2898 0.054681	3848.9331	575.4852	7519.271
## 2899 0.077877	3829.5969	545.4605	7606.879
## 2900 0.074496	3785.8823	592.4796	7546.971
## 2901 0.069036	3250.3306	1379.5441	6548.217
## 2902 0.067324	3646.7661	895.0603	7308.644
## 2903 0.068285	3180.2129	1411.5651	6524.001
## 2904 0.066624	3760.8372	853.7592	7319.511
## 2905 0.059716	3878.4761	474.7027	7573.912
## 2906 0.072416	3836.0081	606.8120	7504.004

## 2907 0.064662	3762.3630	941.0572	7137.501
## 2908 0.058528	3752.8196	939.3459	7238.603
## 2909 0.057489	3692.2222	997.6741	7183.476
## 2910 0.052002	3716.6311	977.6304	7222.580
## 2911 0.057327	3736.7900	943.0873	7224.252
## 2912 0.057255	3711.0679	855.6277	7316.239
## 2913 0.061456	3872.1863	611.5493	7423.055
## 2914 0.070482	3714.6499	780.0632	7408.408
## 2915 0.077506	3604.3833	1075.2068	7085.098
## 2916 0.083399	3602.7498	976.8611	7171.371
## 2917 0.067303	3540.7605	1073.2480	7095.099
## 2918 0.081092	3725.2954	931.7783	7234.058
## 2919 0.075760	3649.0344	878.1060	7289.331
## 2920 0.071961	3745.0312	787.4957	7453.037
## 2921 0.089761	3784.5864	749.8931	7400.224
## 2922 0.077067	3728.9204	693.9202	7474.998
## 2923 0.094092	3782.7617	721.3016	7442.382
## 2924 0.064050	3756.2446	589.5201	7664.073
## 2925 0.072172	3908.0503	329.6288	7668.566
## 2926 0.062118	3786.4927	801.5608	7374.996
## 2927 0.047305	3884.3652	454.0703	7622.838
## 2928 0.054492	3817.1416	698.4819	7423.609
## 2929 0.047688	3851.4487	621.7170	7538.596
## 2930 0.045567	3914.1895	525.9713	7594.820
## 2931 0.044929	3932.8799	436.2757	7643.621
## 2932 0.044845	3697.2827	1016.8130	7199.999
## 2933 0.051815	3818.4258	599.5284	7640.940
## 2934 0.053660	3924.3716	267.6672	7648.083
## 2935 0.057896	3788.4436	803.9933	7299.203
## 2936 0.057815	3810.1001	801.1176	7355.791
## 2937 0.049660	3635.5107	1043.8372	7110.377
## 2938 0.060076	3783.9285	732.9691	7410.841
## 2939 0.051505	3878.4521	542.7053	7531.828
## 2940 0.052562	3882.6809	440.8669	7613.843
## 2941 0.068814	3779.7092	891.5421	7292.764
## 2942 0.053636	3816.5491	784.2476	7403.285
## 2943 0.042550	2402.5911	1167.7164	7500.258
## 2944 0.067291	3776.5635	770.8714	7362.255
## 2945 0.053989	3755.0098	787.9966	7406.699
## 2946 0.057741	3778.8933	776.1464	7367.078
## 2947 0.070410	3758.6567	784.0780	7295.458
## 2948 0.063954	3787.8667	793.2811	7327.833
## 2949 0.054164	3570.7476	1225.4131	6870.395
## 2950 0.054401	3850.3367	595.6479	7498.174
## 2951 0.058883	3538.3083	1053.3589	7119.500
## 2952 0.059319	3887.6951	481.0472	7560.142
## 2953 0.064843	3347.8208	1373.0492	6617.859
## 2954 0.059848	3874.0828	474.8642	7634.902
## 2955 0.055660	3909.2310	347.4714	7667.967
## 2956 0.061117	3915.8901	288.7508	7635.888
## 2957 0.060952	3884.2495	405.8721	7599.943
## 2958 0.054770	3527.1836	1230.1345	6869.595
## 2959 0.069309	3888.1135	391.5727	7604.534
## 2960 0.088134	3897.1316	299.4259	7620.250

## 2961 0.089293	3848.4390	444.4021	7574.778
## 2962 0.081461	3607.9856	1007.2411	7153.448
## 2963 0.092428	3539.4453	1201.5009	6842.309
## 2964 0.113514	3169.7468	1408.2782	6366.000
## 2965 0.121741	3678.1897	889.6135	7190.999
## 2966 0.100026	3685.4824	973.5001	7107.937
## 2967 0.092719	3890.3787	359.5466	7569.296
## 2968 0.068552	3908.7256	418.4646	7597.720
## 2969 0.077744	3845.8069	684.0020	7405.681
## 2970 0.071352	3800.0657	776.1036	7360.396
## 2971 0.056566	3730.6187	949.9434	7210.983
## 2972 0.071951	3807.0928	761.6528	7359.522
## 2973 0.070799	3758.0659	844.1757	7287.204
## 2974 0.063068	3779.5222	814.6904	7337.089
## 2975 0.062994	3788.4517	802.1265	7338.034
## 2976 0.057991	3838.3394	678.1876	7454.105
## 2977 0.090657	3773.0139	826.7231	7300.854
## 2978 0.077018	3766.7126	791.3738	7346.613
## 2979 0.071636	3728.3650	922.3145	7212.499
## 2980 0.075456	3773.1389	776.3735	7365.254
## 2981 0.066481	3726.1387	949.0299	7209.092
## 2982 0.068824	3910.6780	369.9190	7627.134
## 2983 0.053855	3938.7983	377.6644	7632.703
## 2984 0.109249	3892.9631	480.4737	7534.436
## 2985 0.108707	3859.7532	660.8524	7314.962
## 2986 0.095930	3842.8381	649.2673	7340.375
## 2987 0.109199	3853.0000	507.8954	7461.774
## 2988 0.100882	3842.2759	468.6160	7517.948
## 2989 0.102836	3460.1895	1293.8986	6643.939
## 2990 0.106213	3908.3940	283.3631	7554.718
## 2991 0.031382	3482.1064	1195.3352	7040.791
## 2992 0.081348	3914.2664	308.4840	7621.247
## 2993 0.060490	3931.7554	347.2764	7637.708
## 2994 0.056046	3904.2280	544.2053	7560.611
## 2995 0.048930	3896.3513	619.0468	7500.768
## 2996 0.062623	3483.0178	1340.9393	6682.259
## 2997 0.061677	3355.7451	1464.7296	6439.001
## 2998 0.029179	3427.7869	1203.9283	7037.839
## 2999 0.045499	2898.7419	1455.2284	7215.686
## 3000 0.038530	3746.8521	896.7659	7447.298
## 3001 0.047554	3461.1812	1308.8289	6883.593
## 3002 0.039269	3569.5837	1174.5836	7103.659
## 3003 0.038140	3592.4324	1124.3263	7164.445
## 3004 0.036584	3762.1838	864.1744	7453.125
## 3005 0.036557	3660.5056	1057.6553	7244.232
## 3006 0.042399	3709.9336	983.4590	7305.328
## 3007 0.056119	3469.1196	1312.1033	6844.534
## 3008 0.034905	3329.9470	1454.5225	6617.000
## 3009 0.054672	3806.0481	770.5380	7459.560
## 3010 0.046324	3777.5352	836.6880	7425.874
## 3011 0.042485	3680.5784	1032.0920	7248.185
## 3012 0.047492	3430.0054	1372.7277	6751.724
## 3013 0.047471	2944.8894	1486.9185	6601.000
## 3014 0.052161	3639.7039	1110.8357	7101.595

## 3015 0.036377	3741.7358	898.6168	7368.583
## 3016 0.042502	3676.3811	1031.8284	7248.637
## 3017 0.046388	3373.4038	1379.8269	6720.537
## 3018 0.042091	3325.9871	1452.2988	6592.001
## 3019 0.036238	3829.2373	711.1505	7577.479
## 3020 0.048479	3691.3792	988.4528	7294.170
## 3021 0.053116	3474.2651	1292.5490	6823.486
## 3022 0.052196	3333.2927	1456.1405	6504.000
## 3023 0.050405	3298.3904	1442.0308	6507.001
## 3024 0.062683	3317.2859	1449.2573	6581.001
## 3025 0.073037	3757.5762	803.8751	7439.516
## 3026 0.053422	3712.2051	924.4492	7378.259
## 3027 0.056543	3625.3726	1094.6862	7178.646
## 3028 0.064926	3682.8474	894.6078	7328.947
## 3029 0.058642	3519.3062	1138.4852	6999.419
## 3030 0.047191	3689.6160	860.0848	7358.439
## 3031 0.049164	3623.1099	1031.1722	7155.557
## 3032 0.068100	3425.2253	1298.0073	6735.938
## 3033 0.048413	3818.9753	576.1356	7551.851
## 3034 0.046222	3729.0037	787.5188	7374.221
## 3035 0.052844	3528.3779	1136.3126	7018.604
## 3036 0.043819	3595.9309	947.8012	7268.651
## 3037 0.046170	3698.3777	915.6145	7262.142
## 3038 0.055007	3387.0750	1336.3059	6658.334
## 3039 0.056164	3475.2266	1292.6426	6801.517
## 3040 0.050456	3336.7717	1367.6715	6631.250
## 3041 0.050439	3231.2810	1415.9590	6539.001
## 3042 0.051122	3522.4893	1211.9878	6923.027
## 3043 0.048550	3310.4736	1415.4921	6546.157
## 3044 0.066026	3286.9578	1437.0172	6453.001
## 3045 0.054288	3519.5400	1119.8358	6968.181
## 3046 0.055401	3458.6458	1287.7690	6725.759
## 3047 0.050214	3703.7566	808.8059	7371.946
## 3048 0.055852	3605.3313	1006.4851	7119.197
## 3049 0.046560	3690.4934	879.9779	7310.856
## 3050 0.053691	3385.2673	1279.7209	6886.364
## 3051 0.037704	3799.1497	787.2566	7573.982
## 3052 0.052749	3580.2246	1123.0284	7123.887
## 3053 0.043826	3629.6008	1040.5259	7265.566
## 3054 0.047009	3740.1296	832.4058	7486.921
## 3055 0.046283	3556.0034	1172.1157	7073.779
## 3056 0.041925	3769.6897	802.9099	7536.562
## 3057 0.022378	3342.0886	1366.8593	6795.537
## 3058 0.029605	3569.1697	1132.4642	7186.932
## 3059 0.041889	3706.2590	974.7733	7362.098
## 3060 0.055892	3655.9700	1068.4264	7165.199
## 3061 0.054987	3590.7380	1137.6122	7114.204
## 3062 0.048929	3728.5950	926.6407	7360.506
## 3063 0.046353	3628.7131	1083.4436	7192.348
## 3064 0.056353	3342.5535	1426.4178	6550.963
## 3065 0.052083	3411.9531	1293.2329	6850.000
## 3066 0.046579	3688.6687	1014.6833	7254.824
## 3067 0.040441	3635.2671	1073.8666	7223.000
## 3068 0.048419	3674.1741	1020.4639	7280.357

## 3069 0.031542	3565.6545	1173.8961	7137.196
## 3070 0.032741	3765.9307	777.4099	7571.968
## 3071 0.041151	3886.9595	562.6745	7647.222
## 3072 0.043614	3931.8494	492.3585	7620.288
## 3073 0.046376	3814.8242	796.4277	7442.189
## 3074 0.040598	3732.4285	972.7731	7300.000
## 3075 0.037332	3824.9136	777.8552	7477.969
## 3076 0.039216	3856.3823	739.4061	7484.955
## 3077 0.043406	3868.7930	690.4107	7484.616
## 3078 0.054502	3752.3613	864.2622	7404.375
## 3079 0.046499	3616.9629	1092.9191	7158.853
## 3080 0.046357	3864.3450	684.1998	7556.252
## 3081 0.042395	3575.0657	1244.9126	6922.976
## 3082 0.046027	3459.8953	1165.0127	7606.095
## 3083 0.050674	3948.6516	390.4807	7642.842
## 3084 0.064263	3723.1252	1013.7072	7146.124
## 3085 0.048417	3574.9683	1209.3331	6924.360
## 3086 0.073686	3354.7981	1464.5070	6450.999
## 3087 0.037426	3741.5244	888.8661	7396.000
## 3088 0.050767	3835.1006	677.1199	7460.451
## 3089 0.080632	3911.0840	546.2828	7496.809
## 3090 0.059686	3882.3970	518.3209	7554.111
## 3091 0.050281	3917.0637	461.1986	7622.980
## 3092 0.052669	3930.7070	365.1914	7644.667
## 3093 0.061104	3947.0857	329.5365	7644.849
## 3094 0.048767	3915.4988	458.8769	7624.002
## 3095 0.050159	3810.6155	827.6711	7349.158
## 3096 0.066793	3892.7244	479.5600	7634.004
## 3097 0.061555	3265.4612	1428.9967	6500.000
## 3098 0.057826	3892.0691	557.4935	7614.678
## 3099 0.061846	3808.5618	775.8192	7446.287
## 3100 0.060527	3698.4795	950.9601	7225.000
## 3101 0.056232	3723.3943	881.4600	7342.436
## 3102 0.050855	3814.2327	691.1084	7516.992
## 3103 0.052627	3718.8608	919.6630	7321.072
## 3104 0.065630	3832.8569	700.1317	7469.803
## 3105 0.059082	3662.8391	1049.1464	7150.470
## 3106 0.057114	3749.0071	874.5491	7353.525
## 3107 0.043450	3752.8286	794.3525	7467.288
## 3108 0.089468	3353.7500	1464.1209	6431.000
## 3109 0.057458	3942.9307	240.8984	7683.748
## 3110 0.051079	3851.4839	651.3698	7484.934
## 3111 0.046068	3832.0974	646.8329	7538.437
## 3112 0.049553	3878.0898	641.7208	7515.062
## 3113 0.063232	3696.6599	1036.3182	7154.094
## 3114 0.048979	3869.4233	616.5920	7540.799
## 3115 0.053758	3909.9990	462.5742	7616.920
## 3116 0.053959	3945.2971	286.6384	7695.938
## 3117 0.060705	3727.7290	956.5314	7285.768
## 3118 0.052169	3917.2786	443.6913	7644.830
## 3119 0.037620	3734.9104	847.9266	7442.378
## 3120 0.057013	3809.3899	852.4976	7339.287
## 3121 0.044756	3315.1311	1447.5773	6546.001
## 3122 0.053693	3720.9180	978.7294	7232.258

## 3123 0.044230	3720.5349	1013.0701	7180.173
## 3124 0.041340	3539.5754	1151.7477	7130.954
## 3125 0.054117	2862.2842	1418.3555	7227.679
## 3126 0.059714	3671.7832	1095.1993	7084.186
## 3127 0.050019	3449.3916	1380.0524	6712.931
## 3128 0.048039	3487.6128	1342.6757	6775.000
## 3129 0.051687	3427.6633	1399.6495	6655.357
## 3130 0.037146	3768.4082	908.2617	7373.974
## 3131 0.042860	3505.6074	1302.4509	6846.971
## 3132 0.047348	3358.1172	1465.8052	6567.000
## 3133 0.040779	3360.4563	1466.7922	6589.001
## 3134 0.048593	3614.4556	1134.6978	7091.667
## 3135 0.055106	3210.4700	1198.1414	7353.797
## 3136 0.070838	3369.1396	1470.5146	6372.001
## 3137 0.060184	3603.8503	1201.4150	6873.751
## 3138 0.062852	3364.7344	1468.7018	6404.001
## 3139 0.069461	3715.4600	1002.6638	7137.711
## 3140 0.073947	3502.3108	1323.9318	6642.187
## 3141 0.066789	3576.5405	1245.3002	6791.892
## 3142 0.052994	3798.8245	760.2515	7533.570
## 3143 0.059032	3817.3499	706.8815	7560.861
## 3144 0.051859	3753.3762	848.5613	7462.048
## 3145 0.046258	3866.3911	556.2967	7682.718
## 3146 0.051208	3875.7615	683.1403	7490.980
## 3147 0.046913	3645.0288	1138.6530	7015.557
## 3148 0.047802	3744.7776	952.2763	7224.622
## 3149 0.053984	3727.1790	934.6467	7289.706
## 3150 0.046531	3764.7595	914.0193	7279.513
## 3151 0.039986	3808.3257	739.5266	7497.972
## 3152 0.042135	3788.1741	802.3127	7478.458
## 3153 0.039309	3790.3440	870.7736	7431.250
## 3154 0.066062	3568.1680	1160.5811	7002.382
## 3155 0.050527	3828.1907	756.0944	7481.309
## 3156 0.050111	3885.4033	592.5316	7626.415
## 3157 0.051688	3326.8372	1453.0557	6556.000
## 3158 0.059527	3847.7715	518.5953	7675.285
## 3159 0.035524	3896.4836	507.6479	7740.285
## 3160 0.036078	3910.0378	502.3421	7726.818
## 3161 0.040011	3915.8157	419.4923	7727.156
## 3162 0.049159	3334.3164	1455.6473	6589.001
## 3163 0.045023	3569.8765	1190.6891	7070.625
## 3164 0.046975	3334.6946	1455.9246	6610.001
## 3165 0.037920	3582.5662	1178.7449	7105.488
## 3166 0.046470	3330.6177	1454.2389	6585.000
## 3167 0.032311	3027.5813	1262.0134	7197.727
## 3168 0.040266	3646.7463	1064.8657	7230.884
## 3169 0.040360	3681.4648	1003.3841	7313.793
## 3170 0.037505	3747.8191	821.6644	7540.341
## 3171 0.037349	3659.7769	1036.5704	7220.833
## 3172 0.049859	3763.1753	971.7134	7134.764
## 3173 0.048723	3729.7200	980.1410	7265.322
## 3174 0.070228	3711.5867	1010.9661	7212.069
## 3175 0.053572	3498.4082	1299.7147	6861.366
## 3176 0.046208	3721.9863	970.2949	7317.064

## 3177 0.044200	3804.0020	821.5350	7453.613
## 3178 0.050040	3760.9314	919.5714	7412.326
## 3179 0.048224	3808.5500	783.0747	7534.092
## 3180 0.036867	3477.1577	1292.8407	6906.062
## 3181 0.040604	3524.2988	1287.1421	6933.089
## 3182 0.039782	3735.1260	965.1661	7353.517
## 3183 0.052010	3329.0750	1453.6646	6606.001
## 3184 0.036915	3400.7087	1389.0271	6761.608
## 3185 0.020735	3347.3777	1461.2079	6677.000
## 3186 0.052321	3797.6572	866.1331	7305.558
## 3187 0.057434	3698.5796	1067.8948	7087.500
## 3188 0.048773	3357.0657	1373.9846	6722.323
## 3189 0.039487	3681.8413	1032.3037	7265.455
## 3190 0.046079	3497.6382	1238.4713	6980.556
## 3191 0.049439	3826.3884	670.1916	7620.955
## 3192 0.055560	3848.2654	665.4208	7497.478
## 3193 0.085394	3613.2378	972.5576	7262.707
## 3194 0.045303	3662.9854	992.1301	7316.950
## 3195 0.050453	3652.7163	1056.5013	7229.328
## 3196 0.055398	3350.7681	1192.5521	7609.691
## 3197 0.055680	3685.5444	932.3859	7497.003
## 3198 0.058547	3886.6311	607.5116	7537.724
## 3199 0.063178	3898.6311	375.6862	7659.741
## 3200 0.118417	3622.2244	779.4447	7371.298
## 3201 0.119950	3613.0271	990.4055	7213.543
## 3202 0.082878	3547.9824	779.6718	7559.408
## 3203 0.060267	3732.3164	730.1914	7472.198
## 3204 0.060481	3459.1521	801.9715	7512.954
## 3205 0.071080	3736.4470	831.2612	7350.002
## 3206 0.060398	3843.5515	451.8457	7671.652
## 3207 0.050207	3667.6492	1033.6310	7197.728
## 3208 0.051009	3340.8469	1458.8407	6496.000
## 3209 0.044185	3818.5176	777.1408	7438.119
## 3210 0.042609	3398.9778	1156.4434	7620.104
## 3211 0.051319	3842.3499	680.1451	7509.212
## 3212 0.064004	3867.0537	610.1136	7559.581
## 3213 0.058699	3856.0298	606.0430	7563.755
## 3214 0.083296	3380.5613	1411.1732	6536.112
## 3215 0.058882	3574.5286	1162.1575	7029.167
## 3216 0.055948	3796.5217	742.2456	7514.318
## 3217 0.064030	3797.7156	798.8274	7407.632
## 3218 0.057377	3326.6169	1453.2297	6501.999
## 3219 0.070870	3327.6169	1454.7104	6440.000
## 3220 0.061050	3842.7778	722.1255	7456.779
## 3221 0.103857	3823.1128	762.3107	7304.047
## 3222 0.057222	3903.7632	546.5143	7587.742
## 3223 0.054912	3897.0696	525.4164	7628.606
## 3224 0.061715	3821.1021	623.9898	7570.398
## 3225 0.054696	3861.7468	599.6055	7586.000
## 3226 0.054723	3925.5781	309.3421	7730.934
## 3227 0.061605	3922.1731	448.6213	7622.452
## 3228 0.055156	3949.0225	317.4025	7689.993
## 3229 0.057863	3888.6543	585.8348	7556.046
## 3230 0.056150	3952.2644	251.3678	7720.180

## 3231 0.060600	3900.9846	519.1615	7597.426
## 3232 0.061446	3951.1946	257.5515	7718.565
## 3233 0.055726	3711.4597	968.1607	7270.238
## 3234 0.053219	3884.6836	572.6402	7602.107
## 3235 0.052946	3857.4053	553.2825	7653.457
## 3236 0.078987	3808.3652	466.4562	7584.470
## 3237 0.084315	3850.2686	417.7664	7523.711
## 3238 0.087603	3909.1438	324.4281	7523.138
## 3239 0.089732	3872.0361	477.5874	7500.603
## 3240 0.088769	3849.5737	440.4803	7495.532
## 3241 0.102252	3592.0286	1090.1295	6924.480
## 3242 0.080071	3822.4385	525.8801	7494.434
## 3243 0.094223	3802.5146	637.5998	7400.639
## 3244 0.074629	3456.4670	1167.9839	6921.875
## 3245 0.087490	3724.3748	919.0701	7151.762
## 3246 0.075511	3838.2019	599.8903	7436.734
## 3247 0.078408	3905.3237	332.3207	7624.025
## 3248 0.051681	3803.8892	755.4201	7492.292
## 3249 0.062801	3851.5837	537.8253	7602.671
## 3250 0.067369	3655.3384	915.6300	7201.056
## 3251 0.068913	3784.7522	633.0064	7509.118
## 3252 0.057712	3847.8535	442.2115	7667.468
## 3253 0.066391	3753.1929	649.9863	7562.976
## 3254 0.055898	3675.9514	716.0662	7545.458
## 3255 0.045707	3790.8591	526.2277	7664.914
## 3256 0.058422	3743.1494	578.3101	7631.363
## 3257 0.060038	3635.1951	916.5789	7312.142
## 3258 0.043640	3761.8560	564.9590	7673.833
## 3259 0.061192	3722.2195	732.2659	7492.228
## 3260 0.056232	3745.2800	732.2888	7497.246
## 3261 0.068435	3827.2422	525.1996	7611.282
## 3262 0.048309	3803.4641	564.3973	7659.776
## 3263 0.050866	3811.9570	499.3769	7682.385
## 3264 0.064693	3777.9568	500.7530	7675.338
## 3265 0.053400	3732.5466	630.5439	7620.689
## 3266 0.042889	3738.8472	891.4949	7347.336
## 3267 0.053848	3752.6753	617.7201	7551.371
## 3268 0.047674	3797.6860	670.3374	7545.952
## 3269 0.048720	3659.6533	1052.5974	7180.661
## 3270 0.046665	3807.0632	695.0968	7553.654
## 3271 0.060864	3680.3191	677.6161	7699.536
## 3272 0.052095	3609.2183	750.2949	7543.980
## 3273 0.057800	3823.4939	614.3751	7567.987
## 3274 0.055126	3713.8694	650.2011	7705.851
## 3275 0.057609	3781.2485	491.3753	7672.208
## 3276 0.043948	3788.6272	760.8214	7450.233
## 3277 0.048827	3783.2073	653.9294	7572.351
## 3278 0.058583	3859.2952	359.5905	7700.543
## 3279 0.057618	3765.6077	640.9731	7588.262
## 3280 0.074340	3805.0271	632.1857	7541.041
## 3281 0.049229	3794.8821	542.9941	7629.982
## 3282 0.047446	3779.2703	494.3739	7722.009
## 3283 0.049296	3631.0286	811.4023	7498.422
## 3284 0.050885	3666.2212	726.0219	7570.770

## 3285 0.059944	3574.4294	881.8278	7411.048
## 3286 0.072444	3793.0334	559.1959	7549.798
## 3287 0.058097	3801.0210	596.0817	7579.399
## 3288 0.051201	3695.2339	745.8102	7524.579
## 3289 0.059257	3654.8030	827.5148	7423.914
## 3290 0.068802	3684.9465	928.9526	7309.926
## 3291 0.050518	3860.1194	419.2953	7736.431
## 3292 0.046140	3661.3564	954.6027	7340.625
## 3293 0.085015	3884.1038	556.4447	7429.538
## 3294 0.064293	3489.8247	1217.5488	6926.352
## 3295 0.050656	3674.2373	1095.9670	7025.511
## 3296 0.076835	3766.8499	818.5897	7326.667
## 3297 0.054105	3568.6436	1208.7274	6887.821
## 3298 0.067702	3851.9895	595.1472	7512.785
## 3299 0.074979	3855.2085	669.9654	7400.539
## 3300 0.062970	3886.8467	513.9246	7533.952
## 3301 0.051420	3877.4277	494.4185	7675.003
## 3302 0.058108	3850.0542	589.9815	7602.200
## 3303 0.048235	3866.6785	606.1562	7532.646
## 3304 0.056730	3736.1375	804.6268	7373.751
## 3305 0.075852	3731.1501	821.4802	7315.659
## 3306 0.055794	3880.3953	503.7531	7652.800
## 3307 0.063010	3707.6033	908.9774	7306.948
## 3308 0.077358	3880.4016	583.4731	7487.912
## 3309 0.061523	3708.7864	939.9807	7247.016
## 3310 0.065078	3574.6777	1209.3431	6902.566
## 3311 0.052728	3620.1914	1132.3715	7060.001
## 3312 0.060886	3635.5420	1122.9948	7036.410
## 3313 0.059812	3327.4192	1453.1506	6507.000
## 3314 0.071198	3531.8909	1249.7805	6852.084
## 3315 0.055574	3305.8140	1444.6473	6581.000
## 3316 0.041654	3309.0159	1445.1184	6603.000
## 3317 0.034701	3767.5134	820.4121	7519.103
## 3318 0.044957	3695.0205	1035.3461	7245.910
## 3319 0.042230	2594.5276	1549.8270	7157.692
## 3320 0.052884	3477.7083	1364.1464	6726.668
## 3321 0.095294	3363.6018	1468.1063	6412.001
## 3322 0.027786	3386.4983	1412.5529	6688.891
## 3323 0.070139	3626.0977	1176.7747	6897.024
## 3324 0.038552	3561.2737	1259.2509	6906.252
## 3325 0.060793	3581.2297	1194.2615	7013.125
## 3326 0.039804	3493.3540	1246.6985	6963.195
## 3327 0.082447	3650.2522	1001.4218	7235.776
## 3328 0.065694	3785.4480	838.7222	7371.806
## 3329 0.059478	3667.7078	1071.6265	7118.135
## 3330 0.062392	3807.1941	754.4653	7479.862
## 3331 0.070274	3281.3262	1434.9423	6527.001
## 3332 0.074012	3855.0979	638.1689	7487.830
## 3333 0.061686	3561.5044	1173.2450	6946.343
## 3334 0.070235	3544.2188	1235.2567	6816.892
## 3335 0.058574	3613.9390	1143.9376	6984.662
## 3336 0.073214	3627.1472	1120.4912	7044.565
## 3337 0.064940	3754.0635	843.2356	7303.871
## 3338 0.066825	3658.2871	1092.4358	7034.184

## 3339 0.076335	3786.7642	805.1828	7382.797
## 3340 0.107229	3348.2314	1461.6357	6459.000
## 3341 0.054064	3347.2766	1461.2161	6487.000
## 3342 0.065728	3850.9297	616.0141	7620.328
## 3343 0.062647	3788.0603	837.8976	7428.491
## 3344 0.039643	3929.1821	519.9266	7637.551
## 3345 0.037589	3663.7893	1130.8018	7104.349
## 3346 0.052444	3516.9529	1284.4867	6867.648
## 3347 0.029503	3325.3677	1451.8468	6620.000
## 3348 0.042268	3589.9602	1213.8621	7004.488
## 3349 0.052593	3370.7542	1471.1715	6522.001
## 3350 0.030424	3360.4263	1466.6910	6621.000
## 3351 0.078043	3636.5112	1164.7344	6995.348
## 3352 0.047354	3678.3801	1073.7034	7175.982
## 3353 0.082442	3364.4165	1468.5461	6405.002
## 3354 0.040432	3372.0029	1471.7172	6512.001
## 3355 0.026980	3383.6606	1442.9044	6627.885
## 3356 0.027187	3788.6482	818.9713	7515.000
## 3357 0.038051	3585.6946	1164.2644	7100.001
## 3358 0.036968	3778.3970	821.0350	7509.833
## 3359 0.039475	3749.4895	841.2283	7479.762
## 3360 0.052825	3786.2825	858.6724	7382.012
## 3361 0.070835	3444.0698	1351.6425	6651.669
## 3362 0.044385	3692.4075	1024.9563	7209.375
## 3363 0.050612	3889.8838	609.1639	7511.609
## 3364 0.066682	3334.9922	1456.2195	6454.000
## 3365 0.055012	3614.1123	1143.8262	7005.114
## 3366 0.046488	3766.6755	888.8726	7360.856
## 3367 0.053642	3600.8315	1141.1501	6997.729
## 3368 0.053304	3771.4832	872.5829	7323.735
## 3369 0.050767	3686.7244	1033.2853	7196.367
## 3370 0.049268	3463.1919	1333.8716	6767.743
## 3371 0.054028	3844.6565	588.9245	7562.899
## 3372 0.048736	3724.7161	794.2299	7409.738
## 3373 0.051674	3566.3381	1131.1891	7034.090
## 3374 0.059395	3643.6887	962.6895	7181.049
## 3375 0.053958	3699.2278	909.9487	7288.380
## 3376 0.060164	3386.5566	1331.7128	6713.334
## 3377 0.046532	3339.6104	1253.2539	6764.395
## 3378 0.063418	3373.1262	1379.2780	6597.323
## 3379 0.049508	3241.5837	1420.4171	6494.000
## 3380 0.049976	3498.6035	1221.6093	6864.191
## 3381 0.072137	3290.7036	1407.4669	6544.231
## 3382 0.049910	3319.7488	1451.1813	6475.001
## 3383 0.048232	3470.7551	1110.2355	7043.183
## 3384 0.048891	3418.4509	1274.7570	6793.940
## 3385 0.043629	3738.9370	809.6798	7374.728
## 3386 0.045200	3638.2153	1014.4119	7184.822
## 3387 0.045921	3756.3782	781.8594	7433.671
## 3388 0.046975	3736.8738	792.6059	7341.843
## 3389 0.047172	3297.7810	1330.4446	6655.173
## 3390 0.054769	3729.3513	754.7473	7395.240
## 3391 0.044012	3756.0962	728.8176	7442.982
## 3392 0.042258	3695.7854	1007.9062	7310.345

## 3393 0.045132	3792.5107	789.4424	7541.237
## 3394 0.047823	3317.7212	1449.0083	6581.000
## 3395 0.053758	3788.5386	833.6124	7372.703
## 3396 0.053627	3333.9768	1455.7430	6579.001
## 3397 0.051715	3748.6890	903.9354	7365.753
## 3398 0.047745	3317.7935	1449.7615	6598.000
## 3399 0.070017	3344.9070	1460.5565	6532.000
## 3400 0.054033	3707.9138	868.0046	7663.685
## 3401 0.040279	2517.3240	1407.3257	7464.850
## 3402 0.071139	3773.6289	731.3640	7376.507
## 3403 0.071135	3824.9246	535.2037	7583.003
## 3404 0.051370	3906.5742	445.3191	7645.666
## 3405 0.070002	3895.9504	544.1447	7586.675
## 3406 0.048968	3906.1553	503.5668	7632.532
## 3407 0.055621	3310.6350	1446.2993	6549.001
## 3408 0.063340	3902.1731	520.0837	7573.281
## 3409 0.065310	3896.8618	459.1351	7682.999
## 3410 0.057598	3961.7395	212.2377	7749.576
## 3411 0.055151	3960.3704	297.0212	7666.520
## 3412 0.050044	3913.8579	466.7823	7653.267
## 3413 0.058256	3599.9482	822.2835	7611.660
## 3414 0.073549	3786.6506	715.5732	7454.166
## 3415 0.072148	3595.0789	876.8800	7469.958
## 3416 0.066683	3841.7900	557.6417	7541.863
## 3417 0.063984	3896.5637	336.4568	7645.973
## 3418 0.061425	3875.6296	509.8564	7645.319
## 3419 0.056058	3849.2649	476.2981	7682.969
## 3420 0.044832	3864.4895	520.8826	7665.777
## 3421 0.049652	3753.8286	636.3414	7623.985
## 3422 0.062716	3738.5486	630.4915	7604.633
## 3423 0.075839	3769.6643	555.4596	7568.935
## 3424 0.076780	3680.0908	814.6768	7337.366
## 3425 0.065866	3784.0552	611.6604	7441.101
## 3426 0.059036	3873.4937	546.0942	7613.025
## 3427 0.052074	3865.5195	560.7317	7627.702
## 3428 0.051036	3888.4421	463.6339	7676.398
## 3429 0.047870	3871.6384	488.2192	7680.711
## 3430 0.049350	3835.7600	659.1423	7578.699
## 3431 0.046993	3737.2581	641.2101	7613.219
## 3432 0.062084	3863.0969	466.6565	7643.638
## 3433 0.057313	3833.0952	601.7032	7583.048
## 3434 0.061487	3759.4751	506.9252	7709.239
## 3435 0.077924	3599.6804	940.0297	7484.523
## 3436 0.081623	3876.5486	483.6750	7641.941
## 3437 0.093472	3595.3860	971.5683	7278.227
## 3438 0.057261	3860.9990	427.2563	7696.559
## 3439 0.069092	3854.7241	589.1166	7556.285
## 3440 0.061295	3891.3030	487.7039	7665.546
## 3441 0.065751	3811.6975	674.2734	7539.746
## 3442 0.057485	3677.2009	971.7774	7292.338
## 3443 0.057321	3779.9087	874.2100	7361.709
## 3444 0.055717	3852.6277	476.5305	7684.686
## 3445 0.058085	3785.9341	830.2388	7410.795
## 3446 0.031471	3534.6221	1214.5342	7056.579

## 3447 0.072323	3876.2615	486.0709	7634.003
## 3448 0.063604	3525.9333	1213.3762	6953.289
## 3449 0.053875	3504.0173	1201.7113	6978.846
## 3450 0.046522	3500.8862	917.3573	7398.550
## 3451 0.052549	3348.8425	1462.0831	6560.001
## 3452 0.070050	3560.7671	1131.7120	7032.955
## 3453 0.058214	3495.7791	1321.9310	6771.877
## 3454 0.115143	3549.5225	1205.3800	6710.257
## 3455 0.056686	3370.8196	1407.7557	6634.259
## 3456 0.056112	3437.8232	1325.6678	6735.484
## 3457 0.087187	3421.6475	1320.5358	6692.745
## 3458 0.081429	3338.2319	1368.6445	6688.393
## 3459 0.055882	3322.9607	1454.2239	6534.000
## 3460 0.042602	3510.8733	1128.5393	7132.559
## 3461 0.052191	3338.9150	1458.0387	6556.000
## 3462 0.042903	3346.2192	1460.7483	6576.000
## 3463 0.047022	2650.8630	1589.9744	6796.093
## 3464 0.039915	3515.4944	1263.7479	6982.144
## 3465 0.041498	3618.8403	1190.0531	7031.708
## 3466 0.045300	3700.3691	1036.9482	7245.001
## 3467 0.046467	3658.2979	1079.7494	7194.499
## 3468 0.044742	3752.5898	904.1450	7331.167
## 3469 0.040135	3775.9106	867.2767	7396.876
## 3470 0.051141	3637.5454	1136.5897	7073.335
## 3471 0.048660	3712.6985	1030.0591	7192.412
## 3472 0.045231	3688.2520	1065.0469	7172.597
## 3473 0.050430	3556.8333	1238.6807	6925.678
## 3474 0.054332	3700.5366	1017.1690	7219.737
## 3475 0.041508	3788.8352	853.3077	7414.460
## 3476 0.040600	3298.8403	1441.5924	6641.000
## 3477 0.050461	3331.1104	1454.5121	6612.001
## 3478 0.042112	2236.5508	1425.0333	7168.181
## 3479 0.097454	3316.0063	1314.2974	6906.113
## 3480 0.105433	3520.7156	1230.8568	6743.919
## 3481 0.042199	3579.7058	1246.3815	6857.433
## 3482 0.057350	3377.5190	1474.0990	6344.001
## 3483 0.050657	3517.8735	1329.6696	6655.470
## 3484 0.039223	3717.2227	1051.4633	7007.408
## 3485 0.073686	3438.1074	1403.6940	6528.571
## 3486 0.056580	2768.5713	1553.6791	6426.000
## 3487 0.046311	3663.6492	1130.7023	6993.479
## 3488 0.060576	3790.1978	899.9270	7232.332
## 3489 0.052766	3693.8708	1035.5592	7181.818
## 3490 0.063575	3383.7771	1411.8967	6637.039
## 3491 0.054244	3362.9854	1467.8512	6395.000
## 3492 0.056739	3835.5610	714.5034	7455.371
## 3493 0.046725	3707.8237	992.9625	7180.834
## 3494 0.052394	3503.3777	1283.6106	6732.353
## 3495 0.059883	2211.9280	1280.6055	6597.001
## 3496 0.049117	3328.5537	1453.4993	6574.000
## 3497 0.060566	3330.4475	1454.1990	6502.000
## 3498 0.040135	3790.1536	810.3210	7459.240
## 3499 0.033114	3722.1626	925.9182	7390.943
## 3500 0.035317	3710.4963	992.5943	7322.502

## 3501 0.041651	3705.6726	966.4459	7335.318
## 3502 0.039139	3711.4473	937.6243	7375.371
## 3503 0.047009	3735.5664	903.7642	7335.615
## 3504 0.047104	3379.5500	1354.4939	6716.381
## 3505 0.046719	3611.5098	1115.8212	7154.347
## 3506 0.074601	3597.1221	1069.0282	7128.001
## 3507 0.054877	3728.8191	871.4512	7413.466
## 3508 0.059325	3826.3723	664.7152	7596.536
## 3509 0.041714	3607.3313	1004.0226	7337.712
## 3510 0.045792	3777.8105	788.3098	7501.542
## 3511 0.075423	3738.8367	915.3724	7339.789
## 3512 0.050945	3899.7742	482.6252	7672.615
## 3513 0.049288	3708.6152	984.3832	7284.837
## 3514 0.053826	3793.1177	793.1780	7469.791
## 3515 0.043153	3805.0359	742.3970	7567.045
## 3516 0.051927	3861.4353	556.8503	7653.398
## 3517 0.049945	3350.0979	1462.6327	6538.001
## 3518 0.054791	3533.3396	1214.7056	6963.816
## 3519 0.052140	3333.4382	1455.7045	6550.000
## 3520 0.044163	3589.7229	1181.2290	7046.343
## 3521 0.051626	3361.1687	1467.1266	6481.001
## 3522 0.052727	3592.1812	1137.4905	7055.113
## 3523 0.048172	3653.5562	1067.0427	7183.333
## 3524 0.054412	3669.9050	1050.8036	7156.604
## 3525 0.048279	3748.6614	898.8128	7365.541
## 3526 0.056067	3468.0115	1312.0499	6770.313
## 3527 0.057619	3583.0347	1195.3777	6940.624
## 3528 0.060425	3635.5762	1123.5503	6990.759
## 3529 0.050723	3699.9778	913.2351	7432.188
## 3530 0.040557	3663.7498	1058.5084	7233.173
## 3531 0.040655	3700.4609	981.2182	7334.017
## 3532 0.037398	3502.1299	1239.2349	7008.333
## 3533 0.021954	3372.5063	1350.6074	6849.140
## 3534 0.036201	3763.4104	815.0173	7503.190
## 3535 0.037780	3772.5186	834.4332	7504.361
## 3536 0.036161	3667.7119	1028.3939	7300.000
## 3537 0.035305	3681.9983	1012.4127	7309.209
## 3538 0.036780	3780.1729	826.0504	7481.250
## 3539 0.044774	3671.3022	1039.2484	7257.872
## 3540 0.045204	3725.5352	962.9655	7326.560
## 3541 0.052692	3706.7539	975.1324	7331.049
## 3542 0.055624	3698.0017	1007.3284	7162.933
## 3543 0.053709	3489.9658	1297.8992	6787.880
## 3544 0.049878	3704.7759	974.2975	7318.546
## 3545 0.039633	3741.1611	835.6766	7495.278
## 3546 0.045843	3788.5549	918.9763	7201.737
## 3547 0.058628	3829.2615	786.4183	7442.174
## 3548 0.045964	3705.0449	1009.3076	7273.708
## 3549 0.044116	3725.7048	987.5978	7294.262
## 3550 0.045558	3792.3777	844.1039	7450.295
## 3551 0.053914	3653.0959	1114.5665	7167.554
## 3552 0.040334	3921.4573	465.9787	7745.258
## 3553 0.052573	3828.2961	726.1599	7547.843
## 3554 0.044230	2577.9419	1354.0576	7530.399

## 3555 0.045870	3459.4890	1051.8024	7305.555
## 3556 0.058083	3787.1226	739.4483	7471.489
## 3557 0.065923	3814.4194	666.2863	7525.709
## 3558 0.076263	3707.7998	807.7198	7352.104
## 3559 0.074420	3689.4487	862.7665	7357.315
## 3560 0.067307	3869.4497	390.4200	7616.850
## 3561 0.044089	3703.4231	812.5924	7452.129
## 3562 0.040123	3574.5955	973.0017	7335.318
## 3563 0.055351	3531.0740	1079.3568	7153.572
## 3564 0.052723	3759.6304	539.3952	7686.176
## 3565 0.068296	3726.9456	697.8655	7542.886
## 3566 0.059478	3746.8560	792.3480	7467.172
## 3567 0.050327	3822.6738	619.5322	7583.281
## 3568 0.049212	3802.7312	611.2778	7599.005
## 3569 0.052524	3775.3523	689.1896	7567.749
## 3570 0.056385	3840.2932	476.9626	7663.129
## 3571 0.056074	3727.2134	770.8783	7446.189
## 3572 0.078272	3709.9937	876.7314	7270.835
## 3573 0.061313	3729.4170	798.9779	7419.948
## 3574 0.065305	3889.7656	534.7466	7610.113
## 3575 0.074245	3751.2581	876.0827	7328.526
## 3576 0.052052	3799.5547	768.2437	7468.207
## 3577 0.067646	3841.9565	591.2932	7572.639
## 3578 0.080823	3592.0740	1152.7395	6969.186
## 3579 0.048597	3804.1960	733.0354	7505.043
## 3580 0.054699	3908.9211	401.5173	7677.776
## 3581 0.052322	3857.1736	633.0195	7543.270
## 3582 0.056037	3889.3320	465.8641	7635.274
## 3583 0.068698	3842.2480	633.3441	7526.290
## 3584 0.050825	3494.8948	1239.8130	6903.473
## 3585 0.051592	3802.8003	739.2378	7491.295
## 3586 0.063170	3850.5273	603.0826	7564.392
## 3587 0.061896	3790.4766	792.0301	7415.978
## 3588 0.055114	3316.4741	1449.2030	6547.001
## 3589 0.051315	3747.1228	871.2206	7395.255
## 3590 0.064297	3890.3572	454.5887	7587.541
## 3591 0.058923	3874.2026	416.5456	7678.988
## 3592 0.059497	3832.9734	416.1412	7745.347
## 3593 0.048170	3838.2317	491.3276	7695.039
## 3594 0.051226	3780.4929	697.7100	7553.152
## 3595 0.051271	3805.8376	642.1860	7573.026
## 3596 0.055876	3848.4138	543.4260	7631.717
## 3597 0.050380	3703.1169	1009.1818	7212.932
## 3598 0.052176	3796.2542	707.8991	7529.509
## 3599 0.050841	3799.2944	741.6165	7509.375
## 3600 0.052309	3876.3320	447.9471	7667.454
## 3601 0.065210	3661.9985	972.3502	7159.680
## 3602 0.063725	3809.0093	647.2865	7461.169
## 3603 0.059253	3760.4426	748.3761	7502.316
## 3604 0.052153	3859.8606	464.5263	7675.080
## 3605 0.056472	3558.5022	1205.5714	6980.771
## 3606 0.042009	3468.1567	1312.8712	6836.720
## 3607 0.048203	3400.6628	1294.0607	6852.344
## 3608 0.044691	3334.6189	1456.4631	6579.000

## 3609 0.043950	3327.9390	1454.0914	6554.001
## 3610 0.038513	3561.9397	1131.3185	7125.002
## 3611 0.033650	3739.7568	862.0535	7455.938
## 3612 0.053695	3303.4177	1443.2402	6605.000
## 3613 0.052892	3528.5693	1179.3138	7034.376
## 3614 0.074411	3412.6021	1100.0659	7050.000
## 3615 0.063655	3460.0698	1185.3846	6971.155
## 3616 0.070549	3488.8403	1319.3252	6617.970
## 3617 0.064338	3433.9824	1217.8644	6865.542
## 3618 0.084307	3790.5740	764.8206	7421.665
## 3619 0.044674	3544.7161	1090.2021	7537.500
## 3620 0.051734	3816.9595	859.1473	7264.460
## 3621 0.064923	3369.0249	1470.3978	6340.000
## 3622 0.074550	3643.5820	1138.3578	6974.445
## 3623 0.064811	3583.2522	1211.8192	6886.537
## 3624 0.067608	3652.8081	1141.0737	6901.667
## 3625 0.057271	3776.9170	832.0995	7449.425
## 3626 0.065411	3534.1138	1232.7174	6950.678
## 3627 0.055045	3455.2778	1265.8434	6939.708
## 3628 0.059279	3714.1606	953.9926	7323.078
## 3629 0.073578	3314.1074	1447.9762	6556.000
## 3630 0.054909	3364.3171	1404.8710	6659.259
## 3631 0.063038	3330.0513	1455.1613	6552.999
## 3632 0.047894	3756.9468	859.8204	7452.468
## 3633 0.045201	3624.6570	1051.0785	7258.655
## 3634 0.051537	3420.0344	1369.5527	6734.483
## 3635 0.072288	3567.5498	1090.2899	7204.627
## 3636 0.046816	3560.6030	1240.0889	6938.516
## 3637 0.050663	3869.3464	674.6580	7549.998
## 3638 0.048396	3872.8984	668.2979	7530.571
## 3639 0.070210	3363.0083	1467.9645	6459.001
## 3640 0.063308	3368.0750	1470.0511	6432.000
## 3641 0.040660	3297.7920	1410.2535	6655.770
## 3642 0.040642	3780.6440	817.5769	7499.724
## 3643 0.040849	3586.5225	1165.0005	7132.145
## 3644 0.052290	3754.8931	818.8426	7491.294
## 3645 0.057726	3768.5828	845.1724	7354.465
## 3646 0.058073	3772.2029	856.2075	7382.928
## 3647 0.091741	3353.8406	1329.5302	6733.334
## 3648 0.055776	3605.2495	1008.5074	7262.053
## 3649 0.061583	3758.7983	722.2046	7617.412
## 3650 0.053340	3345.2190	1460.2916	6558.001
## 3651 0.058776	3736.0635	949.9401	7234.091
## 3652 0.041642	3493.6948	1298.1759	6868.939
## 3653 0.050595	3815.1870	788.5625	7413.268
## 3654 0.061920	3644.0708	1138.5819	6937.222
## 3655 0.055967	3667.4658	1059.8352	7109.617
## 3656 0.048186	3799.4897	835.0212	7396.550
## 3657 0.054122	3579.5537	1178.1528	6951.829
## 3658 0.051037	3802.3188	808.1484	7376.076
## 3659 0.070415	3405.2271	1390.7648	6634.823
## 3660 0.049208	3628.2275	1133.7947	7065.556
## 3661 0.044845	3712.2163	984.4970	7259.837
## 3662 0.050487	3632.1379	1081.1239	7195.588

## 3663 0.025362	3628.8481	1148.1853	7213.069
## 3664 0.047144	3715.0764	924.5557	7389.491
## 3665 0.049634	3595.5308	1075.5546	7215.818
## 3666 0.036632	3279.6694	1434.0999	6636.001
## 3667 0.059036	3449.5356	1284.0057	6868.183
## 3668 0.045046	3648.9180	1005.6304	7296.491
## 3669 0.044045	3618.5264	1081.5750	7206.633
## 3670 0.036396	3649.6128	1014.9086	7311.606
## 3671 0.049835	3544.1699	1167.7979	7093.902
## 3672 0.032812	3778.2305	778.8427	7577.524
## 3673 0.050378	3777.3665	796.1389	7504.736
## 3674 0.049322	3779.1562	796.3649	7475.528
## 3675 0.047355	3414.6514	1367.0236	6765.519
## 3676 0.046339	3795.3853	758.8435	7509.522
## 3677 0.043959	3812.2266	730.3334	7537.937
## 3678 0.040117	3670.3870	1001.1472	7346.121
## 3679 0.032874	3788.1401	788.0160	7555.414
## 3680 0.048576	3317.0762	1448.8945	6615.001
## 3681 0.041207	3771.4817	834.3047	7443.966
## 3682 0.040683	3350.2864	1462.6028	6552.001
## 3683 0.046726	3887.9128	526.2241	7696.683
## 3684 0.051660	3906.2375	491.6433	7666.157
## 3685 0.058714	3809.8660	791.9622	7455.931
## 3686 0.055977	3725.4475	971.2268	7307.541
## 3687 0.059705	3786.2168	778.1147	7448.751
## 3688 0.043597	3849.0447	735.2457	7494.078
## 3689 0.051136	3868.7876	692.7291	7494.379
## 3690 0.041382	3804.8115	873.1686	7341.875
## 3691 0.046004	3663.0288	1092.5096	7102.553
## 3692 0.043885	3858.7876	683.6840	7550.759
## 3693 0.037869	3810.8127	800.1315	7466.052
## 3694 0.043722	3640.2397	1111.0337	7099.468
## 3695 0.044709	3931.3789	428.2828	7668.369
## 3696 0.042834	3918.6296	555.1089	7640.319
## 3697 0.055774	3317.0671	1171.0004	7671.991
## 3698 0.057812	3862.1404	494.4323	7647.363
## 3699 0.062693	3879.2227	530.4547	7612.995
## 3700 0.083655	3762.8359	808.6354	7429.621
## 3701 0.052899	3770.3076	810.4869	7465.763
## 3702 0.058171	3673.1758	968.1494	7338.461
## 3703 0.041802	3773.0400	785.3448	7518.114
## 3704 0.036395	3567.3513	1069.6780	7209.183
## 3705 0.044175	3693.0000	885.5502	7444.738
## 3706 0.047814	3852.5486	430.5385	7756.221
## 3707 0.046794	3873.3623	479.0958	7684.678
## 3708 0.047826	3855.5015	644.8116	7543.167
## 3709 0.058565	3854.2893	634.2734	7544.520
## 3710 0.068979	3672.5286	1061.7020	7040.386
## 3711 0.061484	3810.8320	770.6635	7362.865
## 3712 0.065029	3888.6899	565.2226	7540.609
## 3713 0.056699	3905.9470	333.4522	7706.682
## 3714 0.062065	3874.5603	456.5333	7653.987
## 3715 0.066740	3889.5444	508.9000	7574.901
## 3716 0.058566	3813.0142	684.0143	7486.833

## 3717 0.068982	3792.6899	638.3002	7458.072
## 3718 0.061910	3762.2119	666.6680	7500.171
## 3719 0.060198	3915.1206	349.0525	7686.518
## 3720 0.058004	3863.8892	562.3841	7589.122
## 3721 0.050751	3434.4390	1374.7129	6668.967
## 3722 0.033166	3842.8916	619.4755	7647.831
## 3723 0.045352	3647.3691	1044.6158	7253.775
## 3724 0.056250	3659.9932	960.5513	7286.113
## 3725 0.051446	3850.8721	606.6437	7579.825
## 3726 0.044627	3521.7212	1210.3523	7034.870
## 3727 0.040421	3504.7642	1260.0424	6942.858
## 3728 0.040239	2007.8104	1615.9886	6532.408
## 3729 0.048731	3337.5942	1457.4886	6567.001
## 3730 0.053632	3612.9583	1117.3311	7098.371
## 3731 0.040557	3742.7756	891.5759	7366.670
## 3732 0.036799	3669.7300	1029.9297	7275.912
## 3733 0.039926	3374.1211	1407.7233	6675.000
## 3734 0.041284	3332.9080	1455.4083	6577.000
## 3735 0.036625	3819.9512	709.4359	7585.121
## 3736 0.045271	3686.3223	988.3877	7262.918
## 3737 0.052872	3499.0188	1278.7839	6854.415
## 3738 0.049636	3292.3928	1439.1969	6532.002
## 3739 0.062184	3326.0645	1452.5138	6546.000
## 3740 0.049406	3334.3503	1456.6434	6570.000
## 3741 0.070658	3750.7622	802.5479	7430.646
## 3742 0.050542	3712.2656	931.4291	7413.236
## 3743 0.057282	3572.6099	1046.1005	7315.163
## 3744 0.052148	3680.0776	972.3315	7229.436
## 3745 0.053494	3420.5295	1177.4334	7030.769
## 3746 0.052474	3235.1826	1463.7284	6531.001
## 3747 0.057109	3349.9209	1462.3160	6514.000
## 3748 0.056182	3610.7009	1172.0305	6995.833
## 3749 0.056631	3625.1140	1146.9897	7052.840
## 3750 0.053897	3523.2529	1286.9083	6822.060
## 3751 0.059938	3443.8994	1377.9301	6645.691
## 3752 0.053484	3661.0076	1047.7975	7202.359
## 3753 0.042946	3784.1179	869.0661	7398.125
## 3754 0.043206	3710.5835	1020.1281	7221.492
## 3755 0.047552	3584.9111	1195.4930	7007.500
## 3756 0.058891	3643.6292	1111.9756	7099.469
## 3757 0.044177	3620.0605	1145.3353	7101.138
## 3758 0.056777	3774.2085	909.1295	7327.740
## 3759 0.057567	3754.8906	905.1938	7358.905
## 3760 0.046127	3449.5923	1328.7905	6820.162
## 3761 0.039058	3682.9646	953.5626	7370.312
## 3762 0.040930	3727.7319	900.7227	7391.440
## 3763 0.045973	3413.5669	1366.2161	6764.658
## 3764 0.082393	3625.5796	1107.2518	7125.000
## 3765 0.052914	3648.2539	1089.1355	7151.531
## 3766 0.061853	3725.7561	873.8951	7371.158
## 3767 0.048657	3872.3687	609.1706	7603.741
## 3768 0.042112	3673.6628	1002.2020	7286.637
## 3769 0.050482	3799.7461	790.4798	7471.390
## 3770 0.055201	3748.2615	917.1392	7373.239

## 3771 0.047622	3890.5854	576.8494	7630.135
## 3772 0.043881	3870.3794	682.6978	7483.270
## 3773 0.056539	3594.0005	1125.9478	7037.223
## 3774 0.050119	3736.5647	950.3925	7273.485
## 3775 0.042116	3745.8684	937.4939	7277.573
## 3776 0.046651	3724.9507	906.6260	7347.573
## 3777 0.042500	3810.0588	744.6132	7529.318
## 3778 0.049002	3811.2144	801.0962	7458.681
## 3779 0.049637	3771.1287	872.0000	7379.114
## 3780 0.058465	3612.3599	1157.7739	7034.884
## 3781 0.047918	3831.6194	760.4704	7525.234
## 3782 0.057214	3889.2483	598.1926	7581.180
## 3783 0.055982	3318.4019	1449.5271	6482.001
## 3784 0.055305	3855.3081	495.6850	7690.474
## 3785 0.045270	3713.4087	976.5947	7292.337
## 3786 0.042873	3810.6150	800.3986	7441.053
## 3787 0.046865	3821.2925	744.6877	7487.498
## 3788 0.049417	3889.4587	550.8052	7596.727
## 3789 0.053198	3694.1694	1035.7047	7119.090
## 3790 0.053932	3625.0854	971.5579	7356.001
## 3791 0.089053	3594.1848	1138.4536	7009.092
## 3792 0.045383	3653.1885	862.9061	7356.014
## 3793 0.053992	3656.0938	1028.1595	7133.183
## 3794 0.052224	3386.9773	1308.5505	6737.904
## 3795 0.051609	3833.7109	572.3033	7557.240
## 3796 0.046337	3695.2878	793.8854	7376.842
## 3797 0.061052	3560.9197	1132.5107	7013.069
## 3798 0.048186	3644.0757	965.3094	7227.822
## 3799 0.047313	3654.4941	903.9154	7270.070
## 3800 0.050402	3403.5154	1337.8977	6716.667
## 3801 0.055443	3412.7461	1275.5800	6748.484
## 3802 0.056612	3382.1992	1382.4603	6635.716
## 3803 0.051946	3263.5857	1429.3551	6498.000
## 3804 0.045724	3450.5540	1207.3560	6930.406
## 3805 0.054310	3328.9099	1423.1838	6552.884
## 3806 0.049805	3300.1538	1444.2834	6494.001
## 3807 0.056042	3560.3210	1128.6724	6981.252
## 3808 0.058508	3420.3215	1255.3342	6763.236
## 3809 0.049362	3714.9553	810.1448	7364.726
## 3810 0.056805	3594.9395	1005.8568	7118.749
## 3811 0.056706	3631.1355	1022.7151	7114.547
## 3812 0.045112	3546.8599	1079.2976	7073.438
## 3813 0.035975	2250.0693	1477.4906	7407.783
## 3814 0.068769	3858.3579	545.8038	7591.306
## 3815 0.072235	3832.3875	641.5974	7533.879
## 3816 0.054066	3876.6582	522.1647	7650.325
## 3817 0.052617	3884.0967	357.2592	7752.874
## 3818 0.053357	3809.0667	592.1657	7631.750
## 3819 0.053147	3849.1455	515.2939	7679.335
## 3820 0.048035	3717.9160	811.0391	7488.463
## 3821 0.056552	3833.8420	548.4951	7657.718
## 3822 0.061510	3847.2942	466.3171	7697.496
## 3823 0.059580	3889.0176	493.2315	7582.821
## 3824 0.066088	3822.6628	633.7996	7487.663

## 3825 0.057824	3774.5757	802.5231	7374.734
## 3826 0.063095	3841.2742	582.6235	7520.347
## 3827 0.067298	3779.9941	808.5172	7309.138
## 3828 0.067015	3900.1426	476.4454	7619.857
## 3829 0.063767	3869.4641	459.3166	7654.410
## 3830 0.062804	3855.7966	567.6082	7564.471
## 3831 0.055693	3926.5894	304.2000	7729.244
## 3832 0.058749	3861.0183	524.2819	7659.061
## 3833 0.062736	3730.7600	739.7750	7540.305
## 3834 0.046657	3693.6675	940.3192	7330.969
## 3835 0.055582	3833.1431	615.3240	7584.582
## 3836 0.053003	3880.3125	590.9722	7584.779
## 3837 0.047892	3663.0525	988.2280	7269.581
## 3838 0.043012	3890.9766	307.3786	7792.120
## 3839 0.041342	3718.5056	781.7856	7628.681
## 3840 0.052006	3905.2336	396.6130	7715.156
## 3841 0.065724	3813.7373	689.9952	7549.230
## 3842 0.054128	3846.2131	506.0041	7693.015
## 3843 0.071344	3698.8176	925.2922	7229.712
## 3844 0.066829	3894.1523	476.1003	7609.982
## 3845 0.069917	3838.9551	653.4058	7520.349
## 3846 0.068466	3754.1616	840.4093	7367.059
## 3847 0.055350	3817.0994	530.5167	7639.303
## 3848 0.073415	3743.9275	807.4631	7416.848
## 3849 0.064393	3845.8447	651.2463	7544.522
## 3850 0.054256	3858.3357	521.5656	7654.918
## 3851 0.047375	3897.6487	376.5950	7746.070
## 3852 0.043627	3849.5906	527.2062	7689.332
## 3853 0.052970	3829.4363	603.1708	7627.445
## 3854 0.053077	3697.1143	966.6089	7305.953
## 3855 0.056841	3813.7568	748.6562	7446.136
## 3856 0.055211	3853.7368	608.0779	7616.566
## 3857 0.053178	3735.3657	803.8970	7477.173
## 3858 0.056166	3620.4824	1094.0101	7157.291
## 3859 0.069425	3584.3359	1150.5981	7058.140
## 3860 0.087131	3523.6631	1194.1765	7006.411
## 3861 0.049756	3584.4534	1151.2682	7075.000
## 3862 0.045796	3509.9604	1007.1053	7284.375
## 3863 0.049719	2991.0200	1379.4414	6790.834
## 3864 0.039450	3398.1150	1360.5177	6761.208
## 3865 0.044686	2689.8608	1599.7042	6827.273
## 3866 0.046625	2265.0254	1562.0305	6975.595
## 3867 0.062296	3636.3457	1150.2517	7003.408
## 3868 0.054784	3335.5220	1456.6973	6549.000
## 3869 0.085175	3361.0129	1467.4280	6377.001
## 3870 0.074905	3376.1848	1473.5308	6418.000
## 3871 0.059760	3612.2605	1204.1895	6937.500
## 3872 0.050540	3367.7371	1469.9069	6485.000
## 3873 0.055505	3604.1931	1170.5217	7013.690
## 3874 0.059608	3363.8149	1468.1910	6440.000
## 3875 0.078133	3369.6411	1470.7036	6420.000
## 3876 0.066339	3438.9670	1404.0400	6633.039
## 3877 0.063879	3653.6421	1114.6506	7079.788
## 3878 0.054773	3557.6941	1258.0863	6902.085

## 3879 0.086141	3339.0127	1457.8601	6476.000
## 3880 0.052268	3327.9436	1453.1455	6557.001
## 3881 0.073986	3695.0901	1025.6686	7221.876
## 3882 0.058702	3642.6660	1124.6097	7034.239
## 3883 0.094527	3367.0066	1436.0048	6550.001
## 3884 0.091044	3342.5405	1459.0818	6489.002
## 3885 0.060141	3462.3362	1333.2377	6769.357
## 3886 0.048172	3618.1809	1131.1669	7111.667
## 3887 0.054020	3547.2454	1199.0564	7061.365
## 3888 0.062246	2792.7058	1564.2754	6553.847
## 3889 0.049995	3396.6526	1416.8895	6639.815
## 3890 0.051795	3742.0923	922.9329	7350.356
## 3891 0.049491	3349.9653	1462.3336	6529.001
## 3892 0.054030	3392.8079	1415.9226	6656.481
## 3893 0.061533	3539.5178	1252.2991	6893.751
## 3894 0.047986	3604.2148	1140.8412	7091.477
## 3895 0.042416	3889.4995	585.0074	7627.883
## 3896 0.039799	3791.5496	870.5947	7371.250
## 3897 0.046941	3637.2954	1123.0387	7077.175
## 3898 0.051923	3355.4924	1464.6534	6533.000
## 3899 0.051682	3350.4290	1462.5851	6506.000
## 3900 0.048411	3352.9043	1463.6156	6542.999
## 3901 0.044733	3809.9097	822.4952	7448.890
## 3902 0.052701	3488.8503	1224.5778	7018.453
## 3903 0.053510	3798.8997	820.4029	7421.389
## 3904 0.043587	3799.8733	850.4237	7378.573
## 3905 0.054651	3778.3289	863.0080	7331.175
## 3906 0.058411	3452.9636	1355.1115	6692.502
## 3907 0.047771	3905.9910	527.3623	7575.888
## 3908 0.052768	3334.2222	1455.9572	6530.999
## 3909 0.058137	3740.1814	958.8788	7221.924
## 3910 0.052887	3497.1680	1299.2388	6795.455
## 3911 0.042211	3823.4287	785.4748	7454.292
## 3912 0.042642	3580.2051	1151.6942	7186.932
## 3913 0.025814	3657.7456	1047.5115	7338.681
## 3914 0.048669	3750.6174	833.6293	7449.130
## 3915 0.046927	3542.4023	1169.0995	7079.270
## 3916 0.043874	3758.8716	801.9104	7521.241
## 3917 0.047451	3393.4165	1386.4172	6707.144
## 3918 0.041619	3599.9656	1113.3638	7180.436
## 3919 0.041965	3656.7454	980.6459	7357.916
## 3920 0.019450	3589.5007	1051.1748	7308.334
## 3921 0.035347	3608.3523	1141.9244	7159.657
## 3922 0.052709	3732.8137	920.9940	7370.356
## 3923 0.053764	3595.1511	1088.9424	7163.543
## 3924 0.055203	3349.9871	1429.4961	6635.578
## 3925 0.048532	3463.9036	1310.7803	6849.221
## 3926 0.047673	3663.8203	1009.1470	7280.265
## 3927 0.047030	3641.0444	1075.1273	7153.001
## 3928 0.052636	3668.2285	1020.2812	7248.662
## 3929 0.039311	3565.6145	1173.8278	7078.657
## 3930 0.047690	3791.7744	780.9997	7518.686
## 3931 0.025287	3400.5830	1362.1691	6818.967
## 3932 0.033986	3316.6960	1448.4701	6634.001

## 3933 0.036599	3295.9719	1441.1702	6643.001
## 3934 0.035079	3558.7017	1187.2880	7074.375
## 3935 0.050464	3301.5618	1442.3840	6619.001
## 3936 0.046787	3796.5376	781.4029	7470.251
## 3937 0.060007	3563.6926	1260.0236	6786.806
## 3938 0.064074	3535.8420	1291.1858	6741.177
## 3939 0.048518	3721.0000	961.9554	7376.954
## 3940 0.045378	3347.1182	1461.1216	6557.000
## 3941 0.040012	3400.5649	1388.9052	6738.396
## 3942 0.041665	3349.1121	1462.0406	6569.000
## 3943 0.051281	3780.9353	863.8463	7355.556
## 3944 0.054775	3690.0129	1065.6580	7116.829
## 3945 0.063442	3421.6047	1397.8153	6582.143
## 3946 0.037092	3674.7239	1031.6423	7270.452
## 3947 0.042970	3518.5420	1244.8929	6984.027
## 3948 0.048954	3826.4849	671.7281	7618.565
## 3949 0.053666	3848.2380	665.2911	7527.876
## 3950 0.065148	3651.2041	1034.8040	7207.871
## 3951 0.105886	3333.7664	1231.8088	6829.413
## 3952 0.051358	3312.2681	1446.8490	6555.001
## 3953 0.038405	3289.6987	1437.3038	6624.000
## 3954 0.054217	3691.6672	1006.4951	7286.637
## 3955 0.075379	3490.9309	1202.0470	6977.630
## 3956 0.054583	3036.8567	1440.5726	6687.933
## 3957 0.046940	3496.0811	1345.7164	6616.937
## 3958 0.054035	3507.1443	1325.6971	6633.595
## 3959 0.052173	3577.8147	1177.3960	7017.683
## 3960 0.061388	3465.9463	1334.8134	6806.453
## 3961 0.030925	3427.8149	1345.1820	6853.335
## 3962 0.055329	3331.0439	1454.6836	6591.001
## 3963 0.051320	3530.3706	1212.7419	7000.658
## 3964 0.072601	3327.7026	1453.7996	6492.001
## 3965 0.032199	3567.9358	1130.4160	7160.226
## 3966 0.064618	3530.1960	1230.2228	6915.542
## 3967 0.046829	3847.6567	674.2357	7592.963
## 3968 0.054823	3695.6218	998.4610	7244.069
## 3969 0.048862	3683.3792	978.8162	7317.212
## 3970 0.047977	3705.3157	951.5276	7338.077
## 3971 0.048573	3565.2654	1241.4113	6798.650
## 3972 0.055699	3817.2100	740.3870	7489.754
## 3973 0.034807	2660.4856	1477.6217	7523.610
## 3974 0.064659	3743.7446	930.3486	7286.231
## 3975 0.075727	3576.7871	1209.6581	6916.026
## 3976 0.055343	3797.8467	746.5600	7473.393
## 3977 0.059970	3513.4167	1283.6556	6799.267
## 3978 0.062729	3862.3804	646.3865	7523.491
## 3979 0.061669	3914.7869	514.5742	7587.505
## 3980 0.059339	3819.0825	748.7936	7463.762
## 3981 0.059036	3709.4854	985.1356	7233.195
## 3982 0.044478	3853.5291	623.2495	7603.616
## 3983 0.055340	3946.4197	317.9834	7715.913
## 3984 0.049942	3925.9106	460.8908	7623.243
## 3985 0.065341	3930.4675	441.3567	7633.050
## 3986 0.055127	3912.0999	529.2328	7573.890

## 3987 0.048804	3937.2136	413.6567	7645.910
## 3988 0.063082	3585.2844	1180.2543	7010.975
## 3989 0.055477	3968.5420	223.6018	7717.836
## 3990 0.062151	3921.8491	466.7146	7632.990
## 3991 0.047434	3935.8928	393.9514	7667.501
## 3992 0.058324	3630.6201	1096.3334	7115.625
## 3993 0.066857	3760.1199	906.9932	7331.510
## 3994 0.058003	3837.5708	730.5944	7478.917
## 3995 0.049605	3737.1277	928.7843	7368.842
## 3996 0.056078	3917.1187	374.0823	7616.420
## 3997 0.058795	3842.8655	725.0519	7380.130
## 3998 0.059133	3938.2742	351.7331	7578.880
## 3999 0.046709	3928.3560	427.3601	7573.559
## 4000 0.042094	3947.9485	331.0238	7616.453
## 4001 0.052450	3763.7119	860.3588	7254.939
## 4002 0.057415	3926.8835	391.1989	7629.921
## 4003 0.060843	3733.2412	870.8556	7373.439
## 4004 0.056469	3526.4341	1092.9202	7118.750
## 4005 0.072519	3686.8677	957.4659	7312.877
## 4006 0.069918	3738.0010	885.2625	7360.391
## 4007 0.071541	3671.2229	864.3004	7307.318
## 4008 0.082095	3819.9106	611.5176	7470.929
## 4009 0.066934	3830.7910	544.2597	7556.343
## 4010 0.062867	3838.9629	637.5524	7488.962
## 4011 0.056722	3871.5857	384.8332	7690.123
## 4012 0.045567	3790.6624	604.2676	7625.430
## 4013 0.058808	3858.7925	408.5875	7726.578
## 4014 0.042917	3820.3669	532.8652	7680.383
## 4015 0.052709	3838.4719	525.5126	7673.523
## 4016 0.052662	3837.4341	569.5173	7623.477
## 4017 0.042082	3847.0786	576.9065	7634.951
## 4018 0.052677	3876.9080	427.6069	7697.387
## 4019 0.046219	3849.3215	465.9487	7701.093
## 4020 0.051220	3855.7722	459.6012	7700.828
## 4021 0.053466	3837.3687	432.6835	7715.626
## 4022 0.054050	3841.1204	505.1077	7681.931
## 4023 0.060744	3804.1802	678.6321	7529.854
## 4024 0.045728	3612.6616	1007.3444	7279.385
## 4025 0.046239	3782.3423	686.4642	7560.448
## 4026 0.045500	3837.4209	636.7670	7572.728
## 4027 0.047452	3880.2280	422.4962	7713.930
## 4028 0.051031	3844.3779	444.2382	7719.608
## 4029 0.053877	3790.6416	589.0748	7625.403
## 4030 0.054268	3674.1016	933.9221	7323.897
## 4031 0.053309	3761.4414	797.6464	7404.124
## 4032 0.060889	3806.9568	609.3884	7535.775
## 4033 0.058918	3821.9729	576.7500	7604.061
## 4034 0.058784	3818.7371	653.7887	7577.415
## 4035 0.049728	3877.4761	403.6420	7717.259
## 4036 0.052023	3839.0137	549.7397	7622.524
## 4037 0.051727	3796.2739	605.9530	7617.151
## 4038 0.056228	3357.5498	1374.6542	6707.144
## 4039 0.048920	3887.4600	398.9905	7713.819
## 4040 0.056337	3910.3281	295.2140	7706.197

## 4041 0.068493	3666.0308	981.5369	7181.148
## 4042 0.056024	3895.9038	430.3511	7629.518
## 4043 0.061493	3783.5288	755.2222	7404.397
## 4044 0.066469	3930.7192	331.1968	7641.398
## 4045 0.051951	3517.6719	1306.8596	6765.911
## 4046 0.067644	3857.6555	538.4678	7553.112
## 4047 0.056832	3921.1406	351.1986	7649.359
## 4048 0.074996	3716.4448	953.7881	7247.692
## 4049 0.051889	3562.2415	1222.7705	6962.500
## 4050 0.057405	3622.7400	1073.7838	7174.999
## 4051 0.057012	3523.1050	1212.3339	6969.739
## 4052 0.057378	3347.7864	1461.5112	6485.000
## 4053 0.054884	3585.5024	1212.6453	6932.052
## 4054 0.041596	3303.7078	1443.7007	6578.000
## 4055 0.045304	3484.3179	1295.8142	6834.093
## 4056 0.032323	3259.0527	1392.8528	6671.154
## 4057 0.050435	3558.5774	1090.6650	7192.552
## 4058 0.045539	3316.1785	1448.6420	6603.000
## 4059 0.042512	3567.9651	1206.8225	7010.898
## 4060 0.043912	3313.7207	1447.0991	6594.000
## 4061 0.032420	1438.3433	1264.3740	6440.000
## 4062 0.024253	3377.7815	1474.2108	6678.000
## 4063 0.032008	3495.0833	1321.2838	6950.782
## 4064 0.055316	3539.5474	1214.8322	7036.844
## 4065 0.046987	3383.1201	1411.4957	6664.816
## 4066 0.045229	3324.4131	1452.0892	6591.000
## 4067 0.044496	3395.2373	1416.2323	6642.593
## 4068 0.041258	3389.3411	1413.9199	6664.814
## 4069 0.045022	3325.0977	1451.7938	6604.001
## 4070 0.043680	3387.2449	1412.9475	6679.630
## 4071 0.054299	3351.1218	1462.8754	6570.000
## 4072 0.038743	3533.1829	1249.7126	6968.056
## 4073 0.036959	3522.0520	1265.9153	6960.001
## 4074 0.035726	3472.5898	1313.0236	6892.189
## 4075 0.041085	3405.7744	1390.8157	6739.287
## 4076 0.049685	3430.4006	1346.3789	6782.501
## 4077 0.063053	3330.7058	1454.0310	6530.000
## 4078 0.047244	3556.9622	1220.6422	7011.186
## 4079 0.038079	3566.0347	1158.5811	7130.952
## 4080 0.045100	3895.4497	562.5034	7650.507
## 4081 0.048917	3344.5640	1359.8474	6902.564
## 4082 0.033518	3706.9387	1059.2612	7162.738
## 4083 0.040601	3599.4187	1216.9583	6991.668
## 4084 0.044160	3350.7976	1462.6699	6543.000
## 4085 0.038318	3407.4463	1391.4733	6675.894
## 4086 0.055877	3378.5566	1440.9448	6576.925
## 4087 0.044092	3361.5608	1467.2709	6507.000
## 4088 0.036451	3361.4590	1433.6913	6586.539
## 4089 0.031878	3402.5522	1419.1692	6620.371
## 4090 0.044029	3436.7036	1403.1147	6643.752
## 4091 0.049447	3520.5984	1286.2252	6834.560
## 4092 0.042373	3269.6006	1341.5504	6699.108
## 4093 0.051804	3300.5757	1441.6764	6555.000
## 4094 0.040735	3292.9080	1438.9213	6576.000

## 4095 0.043084	3364.4297	1435.7662	6599.039
## 4096 0.042652	3450.4854	1329.1289	6763.710
## 4097 0.037365	3441.3879	1376.8456	6747.415
## 4098 0.041172	3521.5730	1286.2388	6881.619
## 4099 0.040356	3705.2305	1038.1830	7185.000
## 4100 0.037207	3560.1255	1239.8657	6990.541
## 4101 0.037506	3545.8042	1254.0153	6949.307
## 4102 0.050739	3350.1353	1462.4712	6546.001
## 4103 0.049454	3343.7302	1459.6089	6563.002
## 4104 0.046739	3400.4565	1418.4054	6643.519
## 4105 0.034713	3831.5330	808.1289	7511.437
## 4106 0.047186	3396.5828	1416.8247	6652.779
## 4107 0.036984	3486.9285	1318.3657	6850.783
## 4108 0.041417	3670.1851	1071.1074	7189.708
## 4109 0.037969	3880.8286	647.6087	7546.790
## 4110 0.045874	3445.2131	1327.3812	6812.099
## 4111 0.054092	3352.6697	1463.4807	6542.000
## 4112 0.051077	3580.5396	1210.8474	6958.334
## 4113 0.057951	3358.3689	1465.8754	6480.002
## 4114 0.053293	3355.8621	1464.8927	6504.000
## 4115 0.047394	3635.4514	1164.4176	7114.534
## 4116 0.048180	3683.0969	1074.8180	7149.510
## 4117 0.036527	3816.8210	801.0276	7483.161
## 4118 0.035836	3779.0896	801.3271	7513.420
## 4119 0.038963	3407.0874	1363.7139	6770.691
## 4120 0.035371	3803.0066	758.9602	7567.380
## 4121 0.039686	3749.1907	819.2491	7554.171
## 4122 0.040588	3696.9255	998.7906	7319.916
## 4123 0.042897	3801.3647	794.2324	7529.428
## 4124 0.048346	3320.8669	1450.1818	6567.000
## 4125 0.053224	3794.2620	829.3071	7385.512
## 4126 0.052971	3352.9358	1463.7264	6554.000
## 4127 0.051581	3894.9038	530.0712	7656.056
## 4128 0.055241	3906.8193	492.0421	7658.083
## 4129 0.044908	3824.6516	793.8267	7433.766
## 4130 0.058912	3742.9917	975.1306	7245.237
## 4131 0.046342	3839.3228	784.0771	7419.751
## 4132 0.043105	3851.4077	738.4370	7454.423
## 4133 0.039248	3853.6401	688.0245	7568.271
## 4134 0.038991	3790.8889	870.3986	7381.875
## 4135 0.044608	3660.4355	1091.9126	7115.307
## 4136 0.039920	3875.5193	678.1014	7525.004
## 4137 0.047902	3742.5256	966.9144	7226.173
## 4138 0.056195	3741.1770	903.2341	7362.673
## 4139 0.059319	3403.6526	1362.7388	6731.035
## 4140 0.049618	3628.7539	1121.0277	7108.151
## 4141 0.043841	3663.1108	1092.6212	7137.246
## 4142 0.049296	3797.2168	877.3464	7381.329
## 4143 0.041387	3868.3352	619.1158	7638.555
## 4144 0.052528	3672.2932	993.8856	7292.374
## 4145 0.069328	3798.8135	798.9957	7446.053
## 4146 0.061438	3720.8206	903.4980	7321.916
## 4147 0.049084	3565.6089	1189.5104	6998.124
## 4148 0.045741	3648.2566	1101.3059	7135.416

## 4149 0.046149	3652.1821	916.0201	7721.739
## 4150 0.062930	3810.0405	645.7084	7589.883
## 4151 0.055103	3650.3350	1001.2530	7206.355
## 4152 0.048185	3817.9890	660.6987	7509.653
## 4153 0.041729	3311.6086	1021.3829	7371.127
## 4154 0.059847	3771.8079	805.7294	7456.556
## 4155 0.068212	3742.1792	814.0272	7407.693
## 4156 0.059958	3876.6267	548.7181	7591.564
## 4157 0.068506	3479.5098	954.0327	7465.601
## 4158 0.086078	3332.7397	1112.1285	7235.984
## 4159 0.042679	3475.7236	1212.1403	7069.228
## 4160 0.044010	3769.9436	759.8282	7546.878
## 4161 0.046266	3823.7607	637.6949	7625.662
## 4162 0.063403	3533.2263	1215.3071	6925.000
## 4163 0.069270	3808.9385	754.3201	7475.934
## 4164 0.123473	3772.4270	773.7505	7363.640
## 4165 0.114566	3703.5315	757.2104	7448.486
## 4166 0.067334	3746.6282	765.9014	7434.765
## 4167 0.073487	3858.0178	602.9692	7509.558
## 4168 0.040287	3602.1309	1057.3213	7300.430
## 4169 0.048892	3691.2124	988.0339	7307.083
## 4170 0.047052	3767.6660	741.1359	7657.822
## 4171 0.108405	3313.8303	1452.0880	6440.001
## 4172 0.097769	3639.5906	1009.7631	7113.158
## 4173 0.077507	3757.4839	794.6748	7395.360
## 4174 0.059086	3662.8059	1058.8947	7134.134
## 4175 0.061523	3509.7422	1242.6836	6900.695
## 4176 0.079481	3841.9321	669.4923	7464.312
## 4177 0.052615	3696.8586	1036.7820	7130.000
## 4178 0.087081	3619.1843	1160.2161	6879.072
## 4179 0.079992	3684.8489	913.8709	7328.276
## 4180 0.114331	3701.2178	818.2574	7304.041
## 4181 0.083773	3654.1055	966.9548	7159.922
## 4182 0.058196	3600.5139	1066.1282	7098.532
## 4183 0.116015	3345.8186	1283.1597	6638.971
## 4184 0.084641	3809.9585	770.1472	7300.729
## 4185 0.055700	3849.5945	698.0298	7446.430
## 4186 0.077452	3675.8806	799.7599	7447.521
## 4187 0.077786	3775.3311	644.9935	7500.788
## 4188 0.074338	3793.6848	724.9935	7433.763
## 4189 0.069829	3803.6873	702.4087	7448.032
## 4190 0.061203	3788.0029	631.9374	7517.605
## 4191 0.064278	3805.6462	437.4605	7612.527
## 4192 0.059498	3748.7583	750.7397	7494.210
## 4193 0.054204	3886.3879	408.6052	7727.660
## 4194 0.063417	3930.8613	244.7569	7701.634
## 4195 0.070543	3853.3162	604.3716	7527.908
## 4196 0.054986	3866.9573	479.2616	7603.898
## 4197 0.075291	3689.6206	975.4099	7231.855
## 4198 0.057794	3814.4353	744.7756	7429.055
## 4199 0.059946	3897.5034	443.6509	7603.315
## 4200 0.053103	3841.2764	511.9072	7667.691
## 4201 0.057018	3790.2854	689.0346	7543.606
## 4202 0.061885	3796.0725	571.8898	7616.082

## 4203 0.056619	3751.8911	799.2093	7411.172
## 4204 0.049785	3587.1133	1001.3065	7285.963
## 4205 0.059275	3893.2632	327.2506	7685.655
## 4206 0.056167	3708.4932	751.8974	7507.179
## 4207 0.049478	3777.4912	796.8554	7466.314
## 4208 0.061887	3765.2002	792.9763	7401.043
## 4209 0.058886	3848.7927	525.8895	7573.572
## 4210 0.048194	3828.0044	596.8434	7616.900
## 4211 0.056197	3562.8801	1085.4077	7139.064
## 4212 0.068018	3623.4175	1107.4334	7112.233
## 4213 0.051769	3793.2410	689.5663	7580.495
## 4214 0.047541	3722.1357	695.0227	7582.038
## 4215 0.047120	3800.3669	749.7806	7521.792
## 4216 0.050807	3485.4878	1242.7927	6922.918
## 4217 0.047235	3811.2937	438.7995	7738.122
## 4218 0.053261	3812.6504	704.9083	7522.985
## 4219 0.047960	3770.6938	709.5307	7581.300
## 4220 0.049613	3789.9453	677.5530	7598.321
## 4221 0.050782	3884.6904	372.3518	7747.614
## 4222 0.044700	3783.5151	674.3196	7578.285
## 4223 0.051287	3685.4072	874.7238	7394.807
## 4224 0.053687	3801.3962	624.2503	7601.850
## 4225 0.055426	3879.2075	419.7148	7693.439
## 4226 0.044135	3764.5828	727.2466	7537.926
## 4227 0.049347	3802.4712	520.8118	7675.201
## 4228 0.043552	3509.2417	1215.1721	6982.896
## 4229 0.044950	3576.2083	1077.2455	7190.307
## 4230 0.046152	3380.2131	1291.5647	6807.813
## 4231 0.064069	3266.3506	1444.3225	6514.001
## 4232 0.064550	3337.9287	1457.6757	6460.000
## 4233 0.052648	3513.2473	1125.3584	7121.022
## 4234 0.035701	3765.3416	872.4348	7439.559
## 4235 0.046432	3308.1777	1446.2241	6576.000
## 4236 0.064514	3565.1072	1176.2954	6962.196
## 4237 0.037243	3616.5225	1144.6390	7083.523
## 4238 0.053022	3572.8767	1192.3364	7010.000
## 4239 0.051296	3481.0520	1316.6528	6773.438
## 4240 0.050684	3515.0413	1226.5660	7003.378
## 4241 0.039486	3153.5767	1359.3262	7472.620
## 4242 0.046299	3878.9585	714.4135	7380.739
## 4243 0.064928	3798.3281	855.3627	7284.041
## 4244 0.064736	3732.5510	1016.0118	7068.105
## 4245 0.054600	3776.6946	827.0007	7470.740
## 4246 0.061327	3641.1328	1033.7072	7256.480
## 4247 0.059117	3700.6587	958.1790	7323.826
## 4248 0.058635	3702.6863	974.4934	7316.533
## 4249 0.056037	3676.2683	994.8506	7331.354
## 4250 0.047912	3499.3120	1300.5714	6873.487
## 4251 0.046280	3663.0315	968.3599	7356.854
## 4252 0.061465	3759.6404	827.8548	7428.333
## 4253 0.049444	3793.6069	894.5067	7281.909
## 4254 0.060535	3814.3284	805.0630	7438.293
## 4255 0.043715	3766.3176	882.8742	7409.740
## 4256 0.051301	3616.0386	1144.2411	7077.273

## 4257 0.049952	3535.9944	1250.9225	6941.668
## 4258 0.052603	3504.0598	1280.3301	6915.443
## 4259 0.049668	3740.3577	958.6823	7385.384
## 4260 0.060241	3344.0908	1460.1045	6596.001
## 4261 0.050304	3381.5525	1410.9359	6685.187
## 4262 0.045535	3319.3567	1449.1201	6608.001
## 4263 0.033845	3779.7327	862.6597	7478.085
## 4264 0.039636	3686.1440	1064.5397	7234.135
## 4265 0.052525	3409.7368	1392.4136	6716.965
## 4266 0.033655	3690.4805	1034.2322	7338.182
## 4267 0.056050	3541.2200	1252.7013	6895.139
## 4268 0.047687	3834.7415	677.1960	7550.550
## 4269 0.051965	3868.8301	666.5630	7514.642
## 4270 0.051839	3889.9531	487.6032	7700.756
## 4271 0.052656	3717.1953	977.7679	7253.632
## 4272 0.078329	3717.0325	794.8378	7448.160
## 4273 0.052665	3804.1353	742.6805	7538.408
## 4274 0.057592	3826.4409	593.7546	7649.031
## 4275 0.048646	3301.4290	1442.5015	6621.000
## 4276 0.050165	3420.9575	1369.2198	6698.276
## 4277 0.059673	3390.2869	1385.3666	6675.002
## 4278 0.039711	3802.5950	821.4756	7436.391
## 4279 0.053099	3585.0977	1165.0378	7000.000
## 4280 0.047538	3783.9114	823.0941	7417.134
## 4281 0.054642	3772.8652	846.6803	7402.383
## 4282 0.048098	3775.0286	856.3928	7367.379
## 4283 0.059212	3454.9604	1355.8002	6630.833
## 4284 0.055292	3703.4993	1027.7744	7139.732
## 4285 0.053734	3837.4634	670.1172	7578.253
## 4286 0.045512	3350.3088	1462.3566	6560.002
## 4287 0.045611	3352.4856	1463.5299	6519.000
## 4288 0.059626	3566.3420	1223.7948	6898.025
## 4289 0.062982	3568.5081	1190.8890	6930.000
## 4290 0.063483	3629.9741	1148.5623	6922.159
## 4291 0.051773	3797.8582	830.2693	7343.752
## 4292 0.046037	3504.6636	1301.9578	6856.819
## 4293 0.057228	3335.7981	1456.5187	6541.000
## 4294 0.062193	3439.9216	1326.4797	6676.615
## 4295 0.053164	3602.7236	1140.4795	7036.933
## 4296 0.058774	3625.6641	1133.3834	6997.780
## 4297 0.072012	3367.4087	1436.6608	6515.384
## 4298 0.056369	3377.5786	1409.2368	6598.149
## 4299 0.042813	3748.5505	923.8145	7333.571
## 4300 0.053422	3347.7268	1461.4481	6538.000
## 4301 0.063552	3404.3091	1419.9841	6537.964
## 4302 0.058611	3553.1489	1256.5101	6878.473
## 4303 0.061709	3628.5579	1162.4783	6996.511
## 4304 0.044176	3863.1077	644.0706	7639.348
## 4305 0.051976	3776.9814	867.8045	7397.187
## 4306 0.054485	3638.7278	1123.7032	7087.500
## 4307 0.034203	3406.4424	1391.2607	6728.572
## 4308 0.069660	3345.1621	1460.4957	6483.000
## 4309 0.046613	3634.7871	1109.5298	7136.703
## 4310 0.046847	3767.8645	901.6516	7367.904

## 4311 0.047945	3691.6580	1034.6646	7221.819
## 4312 0.045695	3416.3655	1395.0697	6677.680
## 4313 0.046621	3341.8274	1459.3412	6549.001
## 4314 0.039288	3851.4346	716.1819	7502.917
## 4315 0.047616	3732.8408	989.3008	7248.361
## 4316 0.048640	3503.6528	1301.8027	6831.062
## 4317 0.063423	3350.4285	1462.5892	6522.000
## 4318 0.048364	3349.0933	1462.1819	6579.000
## 4319 0.040529	3352.1162	1463.2604	6566.001
## 4320 0.047620	3782.3994	824.9294	7438.170
## 4321 0.037203	3735.0310	935.9983	7336.763
## 4322 0.039004	3751.4795	852.6024	7449.391
## 4323 0.038291	3562.2861	1173.3363	7087.808
## 4324 0.038556	3694.3977	1006.9208	7282.758
## 4325 0.044918	3305.0435	1443.7810	6602.001
## 4326 0.042149	3344.7502	1460.2808	6580.001
## 4327 0.054288	3883.9492	451.2607	7693.235
## 4328 0.057756	3729.5962	894.9791	7423.989
## 4329 0.056987	3815.2278	765.2686	7476.204
## 4330 0.054719	3297.5056	1213.3738	7636.308
## 4331 0.045088	3853.4250	476.1844	7644.936
## 4332 0.051630	3829.0740	602.1717	7589.443
## 4333 0.080956	3898.6123	323.3944	7660.356
## 4334 0.099063	3881.9956	500.0465	7552.182
## 4335 0.086646	3860.7092	531.3124	7571.919
## 4336 0.064749	3773.6155	796.9937	7393.435
## 4337 0.061388	3854.9270	511.8557	7621.845
## 4338 0.073455	3849.0840	621.1368	7497.501
## 4339 0.075227	3883.8557	354.2184	7666.480
## 4340 0.069709	3865.0933	449.0496	7637.980
## 4341 0.083975	3881.3276	514.0454	7568.340
## 4342 0.076382	3731.7319	893.0350	7268.423
## 4343 0.064073	3846.6013	639.2868	7505.289
## 4344 0.035607	3348.3538	1461.9247	6584.000
## 4345 0.074827	3906.7756	400.0165	7654.159
## 4346 0.082730	3813.0195	698.1365	7471.050
## 4347 0.077792	3873.9182	549.3854	7553.591
## 4348 0.077590	3868.0625	377.5320	7646.030
## 4349 0.072737	3923.3118	295.6299	7664.242
## 4350 0.081074	3923.5769	342.4049	7653.345
## 4351 0.060835	3863.1709	515.6282	7551.009
## 4352 0.054180	3610.3789	994.2933	7210.775
## 4353 0.062614	3890.9407	445.3840	7600.367
## 4354 0.076815	3913.1338	402.0213	7601.918
## 4355 0.079801	3886.9294	522.9672	7547.989
## 4356 0.071836	3911.3042	368.4593	7625.792
## 4357 0.075101	3907.6372	409.5293	7618.196
## 4358 0.077114	3898.8740	333.7345	7627.740
## 4359 0.045185	3875.5356	572.4066	7569.209
## 4360 0.045236	3866.0593	559.5059	7560.175
## 4361 0.055599	3868.7744	612.2960	7533.634
## 4362 0.051162	3621.2422	1070.1846	7118.502
## 4363 0.067600	3671.9900	898.0936	7360.938
## 4364 0.059710	3885.2766	593.4313	7525.144

## 4365 0.061968	3386.4841	1384.5122	6671.429
## 4366 0.096415	3728.4673	934.4935	7238.604
## 4367 0.065547	3510.6240	1263.0240	6859.288
## 4368 0.092233	3848.8081	592.2736	7510.853
## 4369 0.081298	3940.9155	310.9674	7636.960
## 4370 0.076748	3773.4541	839.2323	7337.501
## 4371 0.083729	3896.5901	467.4308	7564.215
## 4372 0.061061	3542.9548	1219.3004	6896.712
## 4373 0.078656	3639.0764	1076.5573	7009.499
## 4374 0.064835	3586.9163	1181.0277	6916.466
## 4375 0.065800	3454.6772	1269.8683	6761.767
## 4376 0.071421	3538.8333	1234.2704	6906.084
## 4377 0.069318	3556.0630	1206.4709	6935.256
## 4378 0.075370	3267.6787	1404.8540	6477.885
## 4379 0.070828	3328.8896	1454.9407	6479.000
## 4380 0.092500	3292.4248	1442.8081	6491.000
## 4381 0.048773	3386.4597	1310.8179	6823.387
## 4382 0.053785	3223.9600	1425.3829	6553.001
## 4383 0.033510	3207.7979	1372.1497	6645.192
## 4384 0.070421	3307.9827	1385.8655	6644.445
## 4385 0.081751	3468.4468	1205.2639	6830.264
## 4386 0.083113	3357.1782	1465.4896	6396.001
## 4387 0.085936	3347.1499	1400.2206	6563.888
## 4388 0.076724	3346.9148	1461.1855	6479.000
## 4389 0.082438	3338.4609	1457.4054	6426.001
## 4390 0.069622	3614.0381	1131.2118	7038.333
## 4391 0.038754	3257.6494	1429.7435	6638.002
## 4392 0.043908	3325.1965	1361.9462	6744.644
## 4393 0.045717	3371.8542	1407.5151	6663.889
## 4394 0.045113	3339.6338	1425.6589	6634.615
## 4395 0.040583	2734.1345	1585.0912	6644.444
## 4396 0.143399	3150.9275	1426.9146	6962.848
## 4397 0.152230	3375.7346	1439.7010	6201.923
## 4398 0.154160	3358.1001	1465.7059	6193.000
## 4399 0.128713	3350.9365	1462.7444	6227.000
## 4400 0.154549	3578.1304	1193.3347	6707.500
## 4401 0.149694	3329.8945	1454.2964	6439.000
## 4402 0.107383	3807.4116	779.4551	7427.250
## 4403 0.066881	3555.2715	1220.5367	6884.870
## 4404 0.056754	3350.4487	1462.5323	6498.999
## 4405 0.070193	3344.1323	1460.1620	6485.002
## 4406 0.047980	3591.2776	1166.1052	7045.833
## 4407 0.044283	3597.1934	1125.0928	7095.002
## 4408 0.059034	3496.7795	1300.0939	6775.000
## 4409 0.053916	3402.6670	1361.7529	6731.898
## 4410 0.057718	3680.4871	1052.6172	7141.037
## 4411 0.050301	3772.8557	866.9402	7384.375
## 4412 0.046480	3692.9570	1015.5168	7240.351
## 4413 0.062698	3589.0967	1196.6570	7038.125
## 4414 0.056431	3663.6462	1117.5215	6994.148
## 4415 0.067614	3630.2517	1148.7157	6990.910
## 4416 0.036564	3761.9995	900.2887	7442.906
## 4417 0.031636	3737.1589	903.8871	7426.029
## 4418 0.041586	3448.9626	1353.6267	6746.668

## 4419 0.050868	3808.9553	812.9501	7425.812
## 4420 0.048005	3813.2695	800.6517	7443.154
## 4421 0.059683	3452.3457	1354.6488	6689.167
## 4422 0.042566	3831.1606	763.3926	7487.620
## 4423 0.046816	3843.3242	734.1209	7504.386
## 4424 0.061568	3705.9441	1009.2562	7247.414
## 4425 0.052435	3825.2634	793.9271	7443.042
## 4426 0.047547	3349.1294	1462.2496	6567.001
## 4427 0.041159	3766.2446	829.7184	7481.324
## 4428 0.045467	3267.5520	1435.8054	6606.002
## 4429 0.046850	3897.3423	521.5494	7697.828
## 4430 0.049223	3855.6646	680.7430	7525.939
## 4431 0.046350	3608.0000	1128.5073	7161.113
## 4432 0.062983	3720.0222	947.6931	7285.988
## 4433 0.060066	3742.9512	937.8455	7330.145
## 4434 0.054223	3746.3657	910.0748	7358.686
## 4435 0.058715	3821.7615	744.7762	7464.317
## 4436 0.038337	3802.0374	825.1996	7425.526
## 4437 0.058910	3792.8689	876.3624	7319.625
## 4438 0.050533	3623.1230	1160.6953	7004.072
## 4439 0.045519	3831.4690	760.5861	7408.962
## 4440 0.042704	3880.9407	593.2446	7554.940
## 4441 0.051299	3340.2791	1458.3386	6565.000
## 4442 0.043913	3713.4990	945.4306	7331.817
## 4443 0.044731	3746.2131	911.7610	7385.764
## 4444 0.046730	3420.3638	1369.5341	6742.243
## 4445 0.051418	3643.4092	1112.4177	7125.532
## 4446 0.057025	3641.3000	1086.4877	7119.388
## 4447 0.054986	3772.5403	878.4767	7375.000
## 4448 0.049406	3878.2891	609.3860	7616.765
## 4449 0.051862	3710.7051	1001.8785	7253.391
## 4450 0.057530	3819.9978	797.5244	7389.324
## 4451 0.069601	3580.8235	904.3414	7363.197
## 4452 0.044153	3646.7822	1027.2235	7251.819
## 4453 0.043694	3726.7463	888.3087	7409.999
## 4454 0.085212	3600.3611	1140.3785	7063.069
## 4455 0.051462	3766.3438	872.7791	7392.724
## 4456 0.061251	3648.4766	1028.1256	7185.910
## 4457 0.053860	3463.7073	1333.8530	6772.582
## 4458 0.045925	3877.8525	572.3383	7648.027
## 4459 0.052030	3790.6384	797.1462	7458.951
## 4460 0.057021	3612.5139	1143.3655	7102.274
## 4461 0.042051	3711.1064	976.4776	7341.937
## 4462 0.054927	3618.8755	968.7892	7320.070
## 4463 0.100191	3423.6082	1344.0638	6678.333
## 4464 0.055393	3406.7449	1275.5737	6772.729
## 4465 0.051939	3343.8921	1370.3817	6650.894
## 4466 0.042617	3185.2456	1400.3544	6566.001
## 4467 0.060659	3525.0461	1230.1222	6864.188
## 4468 0.056027	3325.1628	1421.3969	6520.193
## 4469 0.053467	3263.9958	1428.4181	6507.000
## 4470 0.063411	3551.7446	1126.8241	7014.205
## 4471 0.061045	3459.8547	1266.2277	6775.000
## 4472 0.052415	3750.3870	815.9026	7381.389

## 4473 0.049522	3562.9902	1002.1487	7168.302
## 4474 0.047980	3620.9124	960.3284	7200.809
## 4475 0.053223	3295.6919	1441.7263	6459.000
## 4476 0.057806	3247.4663	1423.4039	6519.999
## 4477 0.044728	3700.9160	792.6707	7396.009
## 4478 0.045117	3736.3367	842.1510	7347.619
## 4479 0.052185	3305.7380	1445.6013	6497.001
## 4480 0.048214	3637.3955	947.2639	7273.829
## 4481 0.045566	3706.7261	910.8843	7298.943
## 4482 0.048854	3430.9192	1043.3992	7601.223
## 4483 0.042020	3479.6848	1272.2416	6925.000
## 4484 0.050982	3362.2874	1434.4225	6616.347
## 4485 0.042195	3317.8647	1449.0096	6602.999
## 4486 0.072270	3491.6401	1225.5054	6981.757
## 4487 0.080645	3327.6621	1452.7332	6418.001
## 4488 0.078293	3317.5398	1449.6578	6428.000
## 4489 0.063088	3338.9097	1457.9800	6506.001
## 4490 0.058287	3286.6472	1435.8434	6557.001
## 4491 0.042601	3378.7859	1327.3311	6850.833
## 4492 0.054938	3770.9058	829.6835	7472.415
## 4493 0.061170	3632.1392	1061.4832	7218.138
## 4494 0.055756	3712.4600	959.7803	7345.312
## 4495 0.038174	3505.8467	1006.7360	7316.947
## 4496 0.040420	3745.5669	903.4948	7352.054
## 4497 0.048707	3485.3174	1295.4182	6879.546
## 4498 0.041614	3505.7886	1240.3522	6972.918
## 4499 0.045366	3762.9814	824.3864	7352.274
## 4500 0.048695	3493.6958	1298.0963	6756.821
## 4501 0.046114	3343.3066	1459.2450	6506.002
## 4502 0.041042	3850.8218	684.6070	7480.342
## 4503 0.050708	3567.6077	1206.6172	6939.103
## 4504 0.041859	3649.2971	1088.6786	7082.146
## 4505 0.043837	3891.8435	517.0135	7580.153
## 4506 0.040971	3799.4639	871.8480	7176.566
## 4507 0.047106	3653.5288	1114.4763	6864.896
## 4508 0.079120	3647.4255	1004.6760	7195.313
## 4509 0.061148	3768.3577	765.6301	7527.452
## 4510 0.035603	3842.9451	590.1077	7715.537
## 4511 0.048273	3842.1223	643.7029	7621.452
## 4512 0.046724	3630.0967	1072.0280	7231.501
## 4513 0.037967	3679.1333	938.7632	7409.471
## 4514 0.029712	3346.6982	1098.3179	7175.582
## 4515 0.047227	3565.4729	1139.8783	7166.145
## 4516 0.038485	3576.4705	1147.3690	7133.722
## 4517 0.049498	3696.8762	1017.0048	7199.123
## 4518 0.029942	3078.2854	1246.3464	7287.021
## 4519 0.028826	2992.4563	1329.4034	6668.002
## 4520 0.012936	3071.5027	1358.0985	6682.001
## 4521 0.014556	3267.5657	1266.3105	6914.518
## 4522 0.026396	3279.1399	1342.3888	6750.894
## 4523 0.027156	3248.6338	1389.1985	6684.616
## 4524 0.017949	3389.8464	1189.0607	7062.163
## 4525 0.017935	3436.8596	1158.3336	7145.623
## 4526 0.045799	3290.5291	1438.7040	6609.000

## 4527 0.039133	3478.3142	1232.4252	6995.141
## 4528 0.060584	3351.5566	1462.9438	6507.001
## 4529 0.053672	3583.0520	1194.9581	7028.751
## 4530 0.054315	3343.5176	1459.7460	6558.001
## 4531 0.051815	3342.8625	1459.3649	6523.001
## 4532 0.053359	3357.6194	1465.5847	6523.001
## 4533 0.063755	3364.8020	1468.7357	6486.001
## 4534 0.056583	3362.9253	1467.9049	6523.001
## 4535 0.043690	3714.9243	945.9437	7324.242
## 4536 0.036555	3668.2432	944.8591	7388.079
## 4537 0.026798	3524.1409	1210.7938	7078.946
## 4538 0.030545	3471.0806	1290.1750	6939.395
## 4539 0.033385	3679.4612	985.1441	7367.500
## 4540 0.044942	3704.4744	974.7735	7343.951
## 4541 0.034489	3817.5408	733.6805	7553.542
## 4542 0.038553	3302.3142	1441.9111	6605.001
## 4543 0.051654	3683.0564	1022.5887	7207.589
## 4544 0.039813	3347.4915	1461.3463	6556.000
## 4545 0.045642	3854.9502	595.4670	7667.571
## 4546 0.039775	3644.8145	1033.2467	7308.797
## 4547 0.040308	3470.1995	1249.3313	6997.857
## 4548 0.056815	3517.7654	1175.4886	7119.999
## 4549 0.043705	3674.5806	944.2695	7394.614
## 4550 0.045265	3848.8826	612.8639	7690.700
## 4551 0.038003	3701.8191	950.8895	7393.463
## 4552 0.037264	3698.1140	872.8176	7493.506
## 4553 0.024187	3513.3245	941.3636	7396.773
## 4554 0.047393	3651.0227	1089.4484	7154.591
## 4555 0.053453	3711.0920	952.8953	7340.769
## 4556 0.033354	3663.9971	1027.6497	7287.273
## 4557 0.038324	3652.8857	1078.0034	7210.499
## 4558 0.036882	3654.4397	1025.4786	7288.181
## 4559 0.042174	3339.9941	1424.9368	6659.616
## 4560 0.043923	3715.7351	899.8080	7452.745
## 4561 0.071754	3718.9990	995.6282	7204.583
## 4562 0.053622	3655.3259	1090.6450	7178.574
## 4563 0.049240	3695.4011	1036.5632	7127.271
## 4564 0.068866	3679.4016	1073.7209	7054.900
## 4565 0.097239	3729.3015	949.5368	7147.348
## 4566 0.050260	3548.6650	1255.0627	6854.862
## 4567 0.064826	3623.0171	1133.5088	6989.445
## 4568 0.093316	3352.6997	1463.7213	6357.001
## 4569 0.076159	3576.6548	1193.8827	6834.999
## 4570 0.067578	3865.9238	680.9497	7426.309
## 4571 0.075042	3346.0737	1460.7297	6448.001
## 4572 0.063922	3904.3779	581.8297	7455.137
## 4573 0.079043	3654.5718	1057.1691	7170.673
## 4574 0.077898	3641.4719	1111.9928	7080.851
## 4575 0.049962	3753.0715	912.2544	7318.056
## 4576 0.045678	3687.5354	877.1503	7497.802
## 4577 0.038631	3334.1069	1455.5828	6614.000
## 4578 0.048920	3407.0522	1391.5759	6702.679
## 4579 0.040340	3769.9602	669.7999	7669.168
## 4580 0.070336	3508.4839	1243.3103	6922.916

## 4581 0.076296	3728.8193	848.5617	7402.106
## 4582 0.034053	3641.8240	909.3836	7417.028
## 4583 0.048378	3320.8828	908.8072	7560.808
## 4584 0.065039	3245.2930	1422.1667	6437.002
## 4585 0.057132	3325.0115	1452.1122	6572.000
## 4586 0.044896	3708.7954	951.3308	7314.615
## 4587 0.038285	3645.1787	939.7878	7429.229
## 4588 0.040151	3491.8538	1258.2506	6985.714
## 4589 0.039392	3408.3599	1338.1750	6800.833
## 4590 0.060832	3505.2866	1221.9874	6995.273
## 4591 0.033374	3585.6536	1109.0027	7185.871
## 4592 0.044206	3837.5955	684.0625	7634.353
## 4593 0.047931	3574.4670	1161.1755	7102.977
## 4594 0.046019	3483.0952	1252.7716	6942.145
## 4595 0.051759	3516.4807	1243.9807	6981.945
## 4596 0.035724	3678.6011	1030.9531	7297.275
## 4597 0.032186	3528.1960	1229.5562	7037.164
## 4598 0.046567	3691.3640	988.1222	7316.667
## 4599 0.044160	3567.3713	1158.8574	7079.168
## 4600 0.063234	3621.7373	1015.4327	7321.211
## 4601 0.045268	3699.8384	1026.9985	7189.733
## 4602 0.042618	3726.7688	899.3984	7444.180
## 4603 0.041479	3471.5745	1290.6858	6898.486
## 4604 0.036354	3513.4680	1243.8080	6978.475
## 4605 0.057491	3783.5471	827.1899	7467.046
## 4606 0.054937	3485.0413	1295.2390	6837.124
## 4607 0.046480	3318.6812	1449.2229	6597.000
## 4608 0.050243	3825.2393	683.0886	7543.128
## 4609 0.038446	3555.5183	1202.9175	6971.796
## 4610 0.041227	3686.5547	1032.8022	7154.549
## 4611 0.041096	3903.5378	524.2452	7578.744
## 4612 0.058649	3326.6968	1452.6211	6490.000
## 4613 0.057377	3510.7053	1282.5292	6813.237
## 4614 0.046823	3377.1296	1440.3199	6544.230
## 4615 0.054634	3344.5684	1459.9923	6513.001
## 4616 0.058640	3548.0845	1235.8002	6865.540
## 4617 0.055821	3281.0244	1434.3499	6523.001
## 4618 0.052694	3300.3108	1441.2748	6464.000
## 4619 0.063819	3317.7341	1449.2130	6361.001
## 4620 0.055796	3359.3254	1466.2732	6396.000
## 4621 0.060802	3465.1367	1359.2266	6497.500
## 4622 0.038244	3810.1089	836.9433	7164.372
## 4623 0.079048	3590.6418	1101.6906	7082.355
## 4624 0.065079	3713.6262	961.0212	7234.764
## 4625 0.046505	3639.0701	985.7131	7345.339
## 4626 0.057430	3746.8342	856.7755	7431.485
## 4627 0.060737	3597.9314	1099.6824	7179.256
## 4628 0.057754	3708.6094	958.8004	7336.720
## 4629 0.034886	3700.3386	798.4155	7537.498
## 4630 0.054481	3843.7842	591.3074	7648.311
## 4631 0.050626	3821.3472	641.0701	7648.311
## 4632 0.031012	3609.1621	1066.7623	7282.000
## 4633 0.043977	3679.0710	938.6717	7393.560
## 4634 0.044852	3558.2217	1141.7029	7155.232

## 4635 0.053828	3626.2646	1094.3956	7156.771
## 4636 0.045779	3587.3274	1149.7483	7096.512
## 4637 0.047436	3684.3320	1013.0657	7313.160
## 4638 0.036907	3593.6570	1041.9922	7275.480
## 4639 0.027232	3187.6404	1400.9384	6645.001
## 4640 0.047773	2902.2339	1356.7555	6590.000
## 4641 0.049295	3465.0754	1334.3328	6803.227
## 4642 0.034718	3387.9448	1384.2770	6752.679
## 4643 0.046129	3325.7737	1420.0995	6642.307
## 4644 0.049896	3560.4614	1240.1826	6903.381
## 4645 0.047311	3063.1812	1453.7826	6983.751
## 4646 0.019489	3040.8101	1352.7786	6673.001
## 4647 0.021756	3276.9612	1190.0859	7056.945
## 4648 0.015892	3208.0632	1409.1158	6675.001
## 4649 0.021112	3490.7529	1166.4106	7130.002
## 4650 0.027918	3250.4883	1422.3721	6603.999
## 4651 0.017394	3163.0571	1387.9032	6649.001
## 4652 0.020243	3169.3921	1392.0654	6650.000
## 4653 0.018241	3184.4087	1400.3099	6676.000
## 4654 0.049934	3270.9592	1431.6416	6616.000
## 4655 0.046526	3699.9524	943.3600	7356.818
## 4656 0.048545	3737.3384	957.9183	7335.385
## 4657 0.051042	3573.2852	1226.0430	6928.948
## 4658 0.049111	3513.9294	1305.3302	6848.487
## 4659 0.047692	3727.7583	996.8124	7219.582
## 4660 0.045221	3649.9492	965.6316	7348.389
## 4661 0.033141	3804.9983	731.7785	7604.425
## 4662 0.024093	3338.9258	1457.8849	6637.001
## 4663 0.036624	3589.1770	1110.3601	7208.695
## 4664 0.046826	3677.6826	1031.2478	7274.546
## 4665 0.042276	3371.9021	1438.2839	6572.116
## 4666 0.035590	3761.0593	853.8348	7467.375
## 4667 0.047663	3710.9026	992.7316	7251.666
## 4668 0.035560	3633.7068	1084.3186	7202.041
## 4669 0.050633	3675.2849	1030.5066	7212.274
## 4670 0.048806	3643.8213	1075.2783	7237.501
## 4671 0.070019	3738.5613	952.3629	7233.331
## 4672 0.068527	3527.3835	1267.7775	6915.002
## 4673 0.062406	3637.5334	1123.7666	7032.608
## 4674 0.049545	3355.5310	1464.6608	6468.001
## 4675 0.074805	3598.4919	1199.7611	6906.250
## 4676 0.075779	3866.1050	682.3930	7405.637
## 4677 0.059732	3327.2202	1453.8353	6510.001
## 4678 0.068838	3900.8003	580.4865	7471.641
## 4679 0.069030	3677.9568	1062.7771	7055.289
## 4680 0.058082	3653.4272	1115.3722	7011.172
## 4681 0.061788	3775.4302	916.2988	7192.014
## 4682 0.071800	3723.5281	1004.8912	7060.597
## 4683 0.072646	3800.2742	786.3452	7455.101
## 4684 0.045538	3874.0437	530.0010	7703.316
## 4685 0.031067	3663.1375	978.6752	7388.542
## 4686 0.032571	3849.1111	713.0457	7551.035
## 4687 0.035679	3616.0430	1117.8296	7150.001
## 4688 0.037379	3757.8442	893.5792	7421.000

## 4689 0.036186	3806.9263	795.2001	7491.407
## 4690 0.037044	3900.5261	529.5521	7665.133
## 4691 0.033855	3886.3584	577.7662	7663.172
## 4692 0.032147	3803.5164	816.5352	7458.517
## 4693 0.045139	3347.7280	1461.3647	6530.000
## 4694 0.050479	3411.3655	1393.1906	6686.608
## 4695 0.036874	3865.0273	641.3158	7598.334
## 4696 0.045198	3620.9651	1145.5846	7095.457
## 4697 0.031829	3745.4790	781.1212	7514.945
## 4698 0.030198	3524.9431	983.2375	7393.144
## 4699 0.070432	3819.7332	626.3349	7607.595
## 4700 0.043270	3289.1736	1438.4258	6626.000
## 4701 0.044465	3060.0073	1010.6367	7525.001
## 4702 0.064264	3854.1135	588.6046	7534.307
## 4703 0.047881	3049.5576	1325.4523	6690.741
## 4704 0.043160	3263.9839	1427.7531	6648.001
## 4705 0.033997	3482.4138	1198.4194	7063.815
## 4706 0.042228	3381.0151	1306.1569	6887.904
## 4707 0.033280	3262.0769	1427.2804	6648.001
## 4708 0.035827	3516.6223	1161.3726	7122.562
## 4709 0.039354	3488.3547	1200.2916	7080.923
## 4710 0.036570	3687.1443	875.6893	7488.159
## 4711 0.035446	3479.5217	1215.0635	7039.190
## 4712 0.036330	3641.0776	995.6943	7357.330
## 4713 0.028243	3555.0342	1113.0377	7207.222
## 4714 0.039786	3777.0320	799.4277	7524.467
## 4715 0.037117	3316.0493	1448.5939	6619.000
## 4716 0.036828	3312.4868	1447.3676	6634.000
## 4717 0.043182	3793.6655	760.2291	7531.664
## 4718 0.039907	3617.9688	1019.2256	7320.456
## 4719 0.030334	3648.6624	1015.2380	7324.106
## 4720 0.026682	3485.4229	1216.2687	7062.162
## 4721 0.021019	3584.5449	1061.7145	7287.500
## 4722 0.038436	3705.4048	883.5516	7481.333
## 4723 0.030930	3281.8286	1435.5165	6628.000
## 4724 0.032256	3530.1011	1212.5328	7051.317
## 4725 0.038729	3303.7820	1443.7535	6624.000
## 4726 0.027472	3286.4714	1436.9979	6650.001
## 4727 0.027138	3602.8586	1066.1815	7267.000
## 4728 0.031577	3756.5349	783.1465	7560.310
## 4729 0.031993	3936.8364	367.0317	7726.002
## 4730 0.041996	3337.0413	1457.0605	6556.000
## 4731 0.050066	3340.0027	1458.1776	6555.000
## 4732 0.092388	3399.8977	1314.7308	6676.614
## 4733 0.040664	3794.0403	683.3950	7615.771
## 4734 0.034296	3501.8208	1140.4297	7156.547
## 4735 0.034596	3409.2480	1306.6012	6972.858
## 4736 0.046636	3484.6685	1234.1898	6974.999
## 4737 0.051275	3645.2678	1022.6901	7284.091
## 4738 0.034225	3519.7500	1226.8323	7036.486
## 4739 0.024773	3687.7346	987.1291	7374.582
## 4740 0.063341	3587.6106	1165.0507	7090.477
## 4741 0.049333	3712.2288	944.4340	7370.076
## 4742 0.045470	3671.7566	1019.5181	7297.768

## 4743 0.033136	3748.4756	903.9443	7438.356
## 4744 0.030498	3454.0520	1283.9921	6950.760
## 4745 0.050233	3520.1392	1245.7765	6959.029
## 4746 0.047213	3772.7085	824.6844	7450.282
## 4747 0.065397	3262.3730	1363.9406	6838.638
## 4748 0.042390	3348.0562	1461.6670	6547.000
## 4749 0.044608	3834.6479	682.6039	7600.574
## 4750 0.038658	3551.7756	1201.7836	7047.437
## 4751 0.059367	3659.8862	1046.7216	7239.150
## 4752 0.049027	3881.1904	522.9212	7647.923
## 4753 0.037285	3522.5598	1246.5585	6911.113
## 4754 0.049611	3386.0381	1412.5203	6562.038
## 4755 0.045905	3426.6011	1370.8387	6657.760
## 4756 0.041555	3567.1604	1206.3010	6940.385
## 4757 0.050705	3696.1609	1007.0241	7170.691
## 4758 0.043750	3830.4062	748.4573	7428.898
## 4759 0.052610	3719.2822	969.3466	7242.063
## 4760 0.047483	3759.0745	905.8633	7306.508
## 4761 0.050922	3620.3264	1132.0624	7037.224
## 4762 0.044836	3582.6624	1120.5139	7019.443
## 4763 0.055646	3536.3901	1270.5994	6695.716
## 4764 0.042009	3770.4053	935.4439	7077.897
## 4765 0.060792	3363.4807	1467.9790	6299.000
## 4766 0.061225	3551.3547	1218.8333	6721.712
## 4767 0.038917	3534.1323	1257.3359	6960.627
## 4768 0.043914	3408.7344	1392.0630	6731.251
## 4769 0.046473	3932.9795	427.3461	7691.645
## 4770 0.077601	3365.3479	1468.9645	6388.999
## 4771 0.050531	3498.0996	1278.5754	6862.501
## 4772 0.071286	3357.6655	1432.4390	6534.616
## 4773 0.054926	3342.8564	1459.4980	6512.001
## 4774 0.052831	3557.7039	1239.0979	6932.434
## 4775 0.057354	3338.3342	1457.2963	6524.003
## 4776 0.051946	3345.9836	1460.7333	6514.001
## 4777 0.071855	3356.1736	1465.1517	6439.000
## 4778 0.058478	3350.7131	1462.8815	6491.000
## 4779 0.055249	3435.7087	1348.2159	6748.335
## 4780 0.045826	3805.1963	836.1534	7396.553
## 4781 0.053798	3676.7903	1073.2394	7103.430
## 4782 0.045865	3737.4624	965.8535	7273.436
## 4783 0.041019	3700.5535	998.8857	7271.610
## 4784 0.045232	3818.1929	724.0260	7583.403
## 4785 0.058581	3809.2231	723.7867	7494.830
## 4786 0.060814	3628.1619	1095.5261	7105.212
## 4787 0.042154	3529.1189	1178.5277	7112.500
## 4788 0.050116	3574.0806	1146.1643	7105.235
## 4789 0.048774	3861.6338	492.4755	7719.649
## 4790 0.043796	3899.3630	547.5127	7590.121
## 4791 0.045755	3802.2444	866.8843	7319.443
## 4792 0.048592	3655.5198	1115.3204	7053.725
## 4793 0.049895	3741.9534	966.6597	7245.315
## 4794 0.047201	3842.6296	776.8384	7388.236
## 4795 0.050603	3901.3384	594.0397	7542.515
## 4796 0.042844	3868.6978	647.1320	7475.168

## 4797 0.047488	3689.5771	1088.1024	6902.500
## 4798 0.048180	3745.9475	956.1935	7061.740
## 4799 0.079700	3572.3767	1145.8871	7106.976
## 4800 0.062106	3592.4290	1086.1321	7184.896
## 4801 0.069618	3560.1667	1142.4204	7104.653
## 4802 0.042142	3664.6045	1008.5997	7314.472
## 4803 0.027592	3631.4988	1050.8291	7298.077
## 4804 0.030430	3288.2605	1436.3196	6647.000
## 4805 0.044931	3308.8184	1445.4701	6641.000
## 4806 0.045700	3422.0645	1319.2711	6849.195
## 4807 0.043555	3369.3479	1378.2002	6747.323
## 4808 0.046249	3334.3467	1422.8749	6681.731
## 4809 0.060613	3530.2319	1230.2754	6943.245
## 4810 0.044721	3556.9536	1186.9418	7037.500
## 4811 0.044051	3326.8936	1452.4382	6594.000
## 4812 0.049451	3510.4492	1242.1678	6974.308
## 4813 0.038719	3316.0034	1447.8822	6626.000
## 4814 0.034986	3497.8296	1169.3761	7101.875
## 4815 0.026048	3193.7639	1404.5880	6645.001
## 4816 0.044712	2899.8811	1379.6592	6594.999
## 4817 0.052079	3339.9075	1458.2018	6551.000
## 4818 0.032143	3332.3582	1455.0797	6615.001
## 4819 0.039990	3325.7107	1452.1898	6598.000
## 4820 0.049848	3738.0554	950.3041	7276.134
## 4821 0.030873	3197.3489	1146.9393	7425.770
## 4822 0.013253	3435.7808	1184.7345	7095.395
## 4823 0.016613	3393.9438	1265.5828	6976.517
## 4824 0.023450	3578.3892	964.6118	7370.000
## 4825 0.018724	3555.3396	947.0430	7421.371
## 4826 0.047615	3806.6038	733.1857	7554.208
## 4827 0.041691	3336.2021	1456.5096	6597.000
## 4828 0.044538	3703.2742	1037.4966	7189.092
## 4829 0.042527	3824.2126	790.2560	7446.173
## 4830 0.035188	3869.5308	488.9253	7760.703
## 4831 0.037300	3751.2864	910.9515	7368.405
## 4832 0.041941	3828.4072	709.9199	7553.927
## 4833 0.034262	3621.4355	1118.4867	7153.261
## 4834 0.049915	3751.6580	892.6357	7385.333
## 4835 0.036329	3761.5776	845.4306	7490.886
## 4836 0.033927	3901.3630	529.3959	7686.329
## 4837 0.037270	3884.7756	578.3185	7634.411
## 4838 0.037919	3794.6426	815.5997	7475.273
## 4839 0.046075	3348.1772	1461.8052	6540.001
## 4840 0.050577	3402.4626	1389.5610	6701.787
## 4841 0.035300	3864.6985	641.3409	7619.500
## 4842 0.035530	3526.6099	1247.6176	6967.363
## 4843 0.032354	3790.7039	853.7870	7421.989
## 4844 0.039394	3743.2761	929.4127	7357.608
## 4845 0.036355	3818.7852	740.0665	7526.806
## 4846 0.054593	3345.2046	1460.2094	6537.001
## 4847 0.052115	3350.4387	1462.5865	6547.001
## 4848 0.039183	3774.8171	587.0248	7703.940
## 4849 0.080733	3327.3391	1453.1699	6526.000
## 4850 0.036654	3189.5347	1400.1682	6641.000

## 4851 0.045973	3556.2788	1140.8351	7116.861
## 4852 0.037227	3623.2266	1000.9776	7355.264
## 4853 0.048304	3646.0830	1055.2296	7138.462
## 4854 0.063751	3355.3867	1464.5740	6437.002
## 4855 0.040242	3346.3889	1460.8557	6539.000
## 4856 0.048255	3475.3711	1338.1223	6703.228
## 4857 0.045321	3425.1807	1398.4042	6625.895
## 4858 0.043953	3382.8408	1442.5862	6545.192
## 4859 0.043443	3549.6116	1236.4557	6927.028
## 4860 0.054351	3595.1240	1198.7778	6916.877
## 4861 0.052894	3352.5542	1463.3243	6503.000
## 4862 0.050616	3544.6306	1253.7393	6875.002
## 4863 0.058521	3345.2820	1460.3368	6437.000
## 4864 0.045545	3588.4712	1196.7689	6986.250
## 4865 0.053086	3348.4026	1461.7830	6501.000
## 4866 0.064229	3356.6238	1465.2767	6463.000
## 4867 0.053568	3359.9604	1466.5533	6488.000
## 4868 0.053565	3344.2168	1459.8445	6518.001
## 4869 0.068534	3342.0000	1459.0564	6472.999
## 4870 0.044103	3709.4053	944.9702	7264.015
## 4871 0.045023	3747.7288	960.2717	7125.000
## 4872 0.052322	3588.4004	1230.8668	6709.210
## 4873 0.053083	3528.1047	1310.3281	6594.698
## 4874 0.066854	3369.3740	1252.8926	7065.418
## 4875 0.024511	3423.7478	935.6580	7428.228
## 4876 0.020449	3718.6802	723.5322	7629.647
## 4877 0.019415	3178.0942	1394.9380	6647.000
## 4878 0.038964	3471.8218	1139.2627	7159.524
## 4879 0.036694	3629.7839	1040.6273	7281.135
## 4880 0.051435	3752.7356	931.8019	7341.302
## 4881 0.052351	3550.5479	1236.7999	6910.137
## 4882 0.046455	3753.3760	961.6049	7275.770
## 4883 0.047079	3726.8015	948.3675	7303.786
## 4884 0.046453	3447.0928	1262.3979	6944.118
## 4885 0.044094	3377.7019	1332.1333	6797.502
## 4886 0.031610	3527.2061	1229.1932	7018.245
## 4887 0.026868	3598.6296	1112.9124	7210.326
## 4888 0.025349	3323.7593	1451.4449	6633.001
## 4889 0.040778	3795.5479	758.2342	7570.714
## 4890 0.038350	3598.9258	1168.8469	7042.858
## 4891 0.035866	3496.6926	1256.9392	6967.143
## 4892 0.037529	3506.8770	1241.7672	6989.584
## 4893 0.048363	3687.0439	1033.4508	7215.458
## 4894 0.037434	3524.5986	1227.7751	7006.758
## 4895 0.048671	3716.0364	994.2741	7230.420
## 4896 0.042340	3584.5076	1163.9980	7114.287
## 4897 0.037873	3701.4778	949.9880	7381.439
## 4898 0.053502	3642.0762	1012.5287	7295.090
## 4899 0.038790	3309.8923	1445.1859	6592.001
## 4900 0.030582	3492.2834	1276.6476	6964.707
## 4901 0.029832	3358.2664	1432.7067	6666.346
## 4902 0.026011	3342.8684	1459.4717	6645.001
## 4903 0.067870	3541.7783	1233.9603	6990.541
## 4904 0.036043	3326.9666	1452.5885	6625.000

## 4905 0.042329	3318.5459	1449.3105	6606.001
## 4906 0.052712	3323.8220	1451.2422	6590.000
## 4907 0.045883	3324.7676	1451.6509	6586.000
## 4908 0.050179	3425.0554	1344.1105	6815.834
## 4909 0.033168	3785.3833	832.4358	7507.183
## 4910 0.048219	3649.8850	1066.0059	7227.943
## 4911 0.040250	3699.1418	956.3531	7323.828
## 4912 0.066366	3579.4626	1067.2979	7267.374
## 4913 0.044655	3830.5430	725.6185	7542.677
## 4914 0.049228	3820.6929	724.3581	7577.156
## 4915 0.050928	3627.9182	1094.9829	7181.771
## 4916 0.054825	3573.9573	1192.1777	6990.000
## 4917 0.038243	3572.6570	1145.5613	7127.328
## 4918 0.059494	3892.5959	463.7529	7700.596
## 4919 0.046351	3824.5627	570.0681	7694.642
## 4920 0.044768	3774.3420	861.5492	7393.829
## 4921 0.051535	3592.7422	1101.5924	7108.511
## 4922 0.051588	3754.4968	969.6161	7196.877
## 4923 0.042712	3838.3918	775.9802	7404.414
## 4924 0.042691	3903.3025	594.3493	7543.364
## 4925 0.045583	3888.0112	648.7161	7493.078
## 4926 0.063425	3674.3516	1083.8120	7071.500
## 4927 0.042736	3749.6196	952.9246	7279.546
## 4928 0.055122	3629.1357	1162.4307	6994.185
## 4929 0.042622	3672.3906	992.2305	7188.137
## 4930 0.038415	3847.0806	793.7936	7235.969
## 4931 0.064811	3878.1985	491.1226	7670.457
## 4932 0.034746	3699.7317	901.1825	7471.182
## 4933 0.050400	3806.1689	707.7938	7594.421
## 4934 0.042921	3606.4744	1114.8160	7144.023
## 4935 0.044644	3739.5051	889.3011	7433.669
## 4936 0.032973	3619.8274	790.1667	7565.625
## 4937 0.037298	3869.0159	593.7387	7661.997
## 4938 0.033877	3890.9849	578.6870	7644.623
## 4939 0.031455	3785.0098	813.9513	7519.230
## 4940 0.042455	3339.3252	1458.1249	6553.002
## 4941 0.047752	3401.6189	1390.0835	6675.893
## 4942 0.038144	3868.5933	642.3209	7594.500
## 4943 0.039466	3613.9788	1143.7284	7092.614
## 4944 0.035604	3867.4883	621.0475	7634.840
## 4945 0.034018	3881.3865	626.9126	7605.063
## 4946 0.051349	3336.8718	1456.7809	6564.001
## 4947 0.034172	3797.0100	797.6096	7482.104
## 4948 0.037822	3862.5828	569.3251	7653.142
## 4949 0.029814	3563.9082	911.0082	7477.962
## 4950 0.058970	3626.5225	708.9402	7730.322
## 4951 0.053119	3257.2146	1366.1362	6668.518
## 4952 0.050682	3736.6892	792.0217	7457.630
## 4953 0.044489	3754.8701	785.2443	7520.361
## 4954 0.033470	3485.5039	1218.6553	7055.407
## 4955 0.040531	3305.7151	1381.1387	6738.890
## 4956 0.033350	3302.4858	1410.9889	6749.140
## 4957 0.040134	3582.3625	1211.5387	6989.104
## 4958 0.046573	3701.5300	1008.5690	7247.413

##	4959	0.051286	3838.7271	750.6341	7476.378
##	4960	0.053320	3715.4202	968.6085	7284.127
##	4961	0.041383	3758.0112	905.9247	7395.891
##	4962	0.045474	3615.0508	1130.5059	7057.777
##	4963	0.061028	3784.5986	864.0690	7332.099
##	4964	0.054617	3752.3953	931.5539	7307.973
##	4965	0.050779	3341.6238	1458.7772	6538.000
##	4966	0.063544	3573.0798	1225.8302	6906.580
##	4967	0.063638	3593.6270	1198.3970	6943.752
##	4968	0.052636	3396.0781	1387.2871	6687.500
##	4969	0.040696	3939.8423	427.3567	7682.918
##	4970	0.026033	3698.6167	893.8545	7441.439
##	4971	0.055134	3428.6111	1275.9557	6782.577
##	4972	0.055795	3525.2163	1247.0725	6809.028
##	4973	0.035114	3790.9695	828.1293	7391.481
##	4974	0.050055	3503.1299	1301.2438	6759.850
##	4975	0.047995	3333.2285	1455.2983	6501.999
##	4976	0.045917	3850.8743	684.5959	7468.895
##	4977	0.046603	3568.5364	1206.7777	6942.309
##	4978	0.051414	3683.1260	1032.3744	7162.274
##	4979	0.040432	3898.0029	525.0288	7528.856
##	4980	0.046527	3658.5581	1129.1252	6855.436
##	4981	0.052745	3670.5015	1049.6177	6945.753
##	4982	0.039542	3725.8452	925.9084	7406.884
##	4983	0.051883	3497.1042	1219.5543	7005.406
##	4984	0.031512	3706.3413	943.7380	7396.970
##	4985	0.056376	3709.3757	952.1005	7388.845
##	4986	0.042511	3488.6877	1275.0391	6940.443
##	4987	0.055919	3432.3643	1347.1062	6792.502
##	4988	0.044799	3520.5820	1226.9285	7004.055
##	4989	0.045108	3605.3625	1113.8026	7177.175
##	4990	0.036610	3839.5364	683.3671	7622.708
##	4991	0.043655	3568.7070	1158.8384	7068.453
##	4992	0.044001	3495.6924	1257.9182	6940.716
##	4993	0.070935	3341.3679	1310.4564	6919.446
##	4994	0.042937	3690.7749	1034.5723	7191.817
##	4995	0.042517	3523.8879	1229.0435	7019.596
##	4996	0.044946	3694.6772	988.6273	7339.167
##	4997	0.033843	3585.3103	1164.2322	7104.763
##	4998	0.057629	3716.9172	945.4276	7364.015
##	4999	0.052062	3680.0598	1022.0042	7208.482
##	spectral_roll_off_var spectral_flux_mn spectral_flux_var				
##	1	2719.6267	1021.359192	940.742371	
##	2	2885.4453	1199.364380	821.123535	
##	3	1697.3506	1544.147461	807.137268	
##	4	2883.9148	599.555176	535.151978	
##	5	2678.3938	446.452423	411.464722	
##	6	2866.2388	637.621582	591.398682	
##	7	1439.6555	829.102234	709.771484	
##	8	1207.9481	832.503845	654.328735	
##	9	1681.2212	948.118774	937.541321	
##	10	1413.8168	728.807373	516.717346	
##	11	2776.8457	541.736389	533.083252	
##	12	2834.5022	482.520508	391.433380	

## 13	2757.7056	900.380554	893.691284
## 14	1432.9058	904.945618	866.644043
## 15	2885.7466	247.577713	229.796417
## 16	2850.6494	420.784302	644.641174
## 17	2823.3132	1323.932983	1230.901245
## 18	2403.0947	621.844421	609.052795
## 19	2616.0559	261.982086	689.719971
## 20	1511.1650	2045.512695	2004.396729
## 21	1326.3641	673.399841	1040.189087
## 22	2761.5774	37.536804	124.735687
## 23	1340.7075	629.294495	1014.914917
## 24	2554.9600	635.839172	951.903870
## 25	1020.5145	431.677124	860.560913
## 26	1464.3326	907.943481	1338.752563
## 27	1802.0297	666.862976	944.328491
## 28	2828.4490	570.144714	772.132019
## 29	1380.2740	472.030457	808.681702
## 30	1991.9336	319.679657	626.052002
## 31	1556.2144	1023.941467	891.102295
## 32	2263.4275	1071.099854	844.927124
## 33	1567.7505	1078.052979	874.533386
## 34	1141.9109	1065.055542	1021.264160
## 35	1500.8649	691.437134	557.288452
## 36	2803.4724	765.686157	515.609802
## 37	2588.2014	688.698853	570.234863
## 38	2415.2595	883.784973	770.547485
## 39	2183.0942	1010.516357	660.843628
## 40	2885.5969	984.783203	821.077759
## 41	1411.4742	618.706360	652.884033
## 42	906.5646	750.005432	959.739685
## 43	2879.8264	1544.744385	1111.264038
## 44	2255.1438	1120.193604	1040.237793
## 45	2836.4600	1391.347900	1065.281006
## 46	2371.2092	2145.706787	1897.201050
## 47	2833.1633	2020.669922	1850.779297
## 48	2504.5837	1495.556885	1217.101685
## 49	2448.5962	868.299988	909.401855
## 50	2194.4224	1767.508179	1807.444946
## 51	1987.4357	1457.292847	1498.225220
## 52	1691.0361	558.389282	540.686340
## 53	1633.8000	938.446716	952.117004
## 54	1806.0145	1822.204956	2253.760742
## 55	1594.7284	1307.779541	1394.458008
## 56	2698.3208	1063.563599	892.919983
## 57	1303.8956	969.026428	1186.353271
## 58	2814.2485	729.598999	731.230652
## 59	2731.5479	747.391174	963.221863
## 60	2455.1738	922.224121	1189.118896
## 61	1956.1201	692.040527	1081.785156
## 62	2442.9263	566.908203	784.122559
## 63	1885.8455	666.850586	1080.666748
## 64	2408.2632	1229.709595	1875.357544
## 65	1644.0458	631.158813	990.394531
## 66	1206.9457	927.048096	1259.714600

## 67	1065.0706	489.673737	451.423737
## 68	1459.9984	590.079773	472.264008
## 69	2207.9214	328.328888	267.082367
## 70	1067.9377	1042.223633	1615.480713
## 71	2384.5786	480.253418	294.448761
## 72	1618.2153	329.842804	176.119598
## 73	2442.5605	1102.324341	742.643982
## 74	2881.0581	1070.572998	679.834290
## 75	2258.6223	1683.958008	1098.984985
## 76	2514.4500	1564.728760	1168.906250
## 77	2422.6130	801.391113	1402.749268
## 78	1819.6370	589.731445	1156.952026
## 79	1423.4905	1083.381104	2474.486328
## 80	925.3595	945.766724	1469.767822
## 81	1564.7006	1856.722900	1699.093994
## 82	2600.9148	1641.195068	1330.596558
## 83	2273.6008	2075.601074	1845.182373
## 84	1096.6696	910.874329	1500.639648
## 85	2232.7107	737.658264	1046.909912
## 86	2227.6941	454.124298	903.781860
## 87	2496.6221	591.474487	922.820618
## 88	2429.5640	1112.078613	1946.338501
## 89	1696.4156	678.835693	1027.198608
## 90	1176.1584	915.794067	1252.652100
## 91	2044.9270	814.709961	1452.802490
## 92	2866.6467	597.200012	459.721039
## 93	2308.7256	810.297363	976.875122
## 94	2860.8918	625.969910	724.771362
## 95	2829.4033	228.574127	297.270172
## 96	2453.5513	434.809235	1006.877075
## 97	2904.1511	6.133428	7.243146
## 98	2079.8582	7.946158	7.152219
## 99	2561.7783	49.848072	63.686474
## 100	1905.9537	337.390717	409.124573
## 101	1876.0524	358.374298	248.869629
## 102	2835.8811	296.776276	226.097336
## 103	2848.0042	450.658539	635.170410
## 104	2790.3167	431.108673	529.356506
## 105	2238.7209	734.774048	1016.378235
## 106	1566.7155	678.780029	765.830688
## 107	1664.9058	887.703491	763.847595
## 108	2287.2639	1524.044800	1537.849121
## 109	2760.7739	1671.313599	1247.284668
## 110	2905.1274	1262.383545	1050.922485
## 111	2318.1121	1543.106689	1880.751953
## 112	2881.3276	736.213867	1175.989502
## 113	2826.9470	1324.663696	959.128479
## 114	2567.0522	1829.553467	2591.635010
## 115	1909.2827	1.223619	3.172310
## 116	2465.7214	664.417786	547.207275
## 117	2329.7219	330.915680	455.552521
## 118	1768.8627	594.870850	1596.528320
## 119	1856.7966	1729.386108	1757.168701
## 120	2685.7554	1118.768188	1240.123169

## 121	2839.3389	825.509277	1452.136475
## 122	1583.8789	1375.290771	1763.698853
## 123	1481.2002	1002.707336	1067.409546
## 124	1561.8451	1790.639038	1501.925293
## 125	1582.8741	1717.128174	1570.940186
## 126	1524.8032	1611.386475	1373.657104
## 127	1471.8571	1681.668701	1491.776001
## 128	1589.2938	1578.985474	1365.406982
## 129	2252.7241	1058.525879	1442.908081
## 130	2823.8691	1449.558960	1297.203003
## 131	2502.7795	1289.026123	1305.795532
## 132	1580.4171	1669.779175	1558.584351
## 133	1459.2867	1799.269043	1553.948975
## 134	1683.1514	1695.529297	1504.189209
## 135	2858.8672	1416.733643	1709.783203
## 136	1676.5192	1101.436401	1162.431641
## 137	2239.5000	537.231873	443.137512
## 138	1353.3246	844.304260	774.018127
## 139	1307.6694	1207.142456	931.388977
## 140	2514.0081	1810.621094	1052.216675
## 141	1640.7599	1862.868774	1196.067871
## 142	1782.2532	1930.906494	1097.184692
## 143	2258.4934	651.126343	669.128113
## 144	2761.1042	331.490570	382.639862
## 145	1731.5615	729.606201	677.693054
## 146	2000.3038	705.676147	587.712585
## 147	1840.0886	918.541992	721.206543
## 148	1775.6354	683.819458	673.501160
## 149	1525.3805	667.604370	619.557251
## 150	1425.2618	645.997131	602.853333
## 151	2673.1108	765.401245	813.736816
## 152	1657.3528	678.611511	685.840637
## 153	1890.3092	896.583191	693.761963
## 154	1757.5212	939.231201	987.785339
## 155	1555.3606	1076.701294	890.181946
## 156	1761.6079	985.389648	751.809204
## 157	2437.1895	418.178284	373.161438
## 158	2537.8374	637.196106	780.567932
## 159	1106.3080	812.537781	849.762329
## 160	1732.9271	639.894226	1008.292603
## 161	2189.5278	915.310181	1043.851196
## 162	1233.4238	959.403076	914.843567
## 163	2327.7922	624.184204	618.586060
## 164	2470.0942	655.471558	766.996033
## 165	1375.6498	790.857666	824.853760
## 166	1703.9688	900.557983	713.216431
## 167	2156.9048	833.260559	838.572083
## 168	1378.3158	831.491699	751.593628
## 169	2186.0020	747.661682	959.659180
## 170	2512.4282	49.948544	36.268814
## 171	2218.2114	643.396606	984.724976
## 172	2748.5703	1359.034546	1436.945435
## 173	1571.3303	373.236938	604.653015
## 174	1387.7664	828.197205	1208.496948

## 175	2333.6584	1639.120972	2189.466797
## 176	2889.4944	263.607056	245.201477
## 177	2844.6309	277.631531	262.864838
## 178	2708.5801	1739.419189	3320.080811
## 179	1386.9945	1819.664795	2263.866943
## 180	2870.4011	218.081223	256.546783
## 181	2657.2117	461.851105	483.294250
## 182	2600.2097	136.910858	111.039062
## 183	1964.4111	446.653351	898.551880
## 184	2427.9695	505.219604	593.884460
## 185	1917.8939	312.923248	478.738770
## 186	2410.2410	938.843262	1059.512939
## 187	1679.5154	306.591522	466.878296
## 188	2842.9436	1558.510254	2069.028809
## 189	2089.3506	1339.007812	1869.184326
## 190	2835.6653	1101.493652	2052.473145
## 191	2614.5896	756.227234	893.282654
## 192	2402.1836	960.074219	1931.719727
## 193	2588.5591	496.473846	614.755188
## 194	2264.2175	1355.308594	1881.606934
## 195	2577.5657	1516.023071	2075.041504
## 196	2755.5818	1403.850586	1849.145020
## 197	2428.8196	1769.263916	2687.767822
## 198	2849.7749	1041.498291	1427.573608
## 199	2681.7141	2099.327637	1607.346924
## 200	2368.1086	1927.284302	1568.158203
## 201	2861.8633	1685.945435	989.746948
## 202	1771.6890	1138.967163	733.133911
## 203	2220.3398	486.082794	382.085510
## 204	1902.9768	650.616638	564.191406
## 205	2295.3896	648.173584	686.655579
## 206	2238.4729	589.833374	703.745239
## 207	1533.9886	1046.451538	1527.145386
## 208	2371.6409	860.188110	1484.729980
## 209	2095.7229	1047.701782	1653.958984
## 210	2804.0747	258.049774	472.238556
## 211	2507.2449	1328.123901	2478.081543
## 212	2812.7502	1351.261597	1808.938599
## 213	2619.9392	1192.328369	1674.278320
## 214	2181.1821	533.570557	1025.247681
## 215	2695.2786	1110.154297	1228.497314
## 216	1953.7310	450.601044	562.682556
## 217	1905.3751	1366.509399	2228.692383
## 218	1486.7838	1817.133667	2794.368896
## 219	1555.0615	1492.762939	2288.419678
## 220	1576.2437	800.041931	1195.123901
## 221	1915.8021	1574.989258	1555.488159
## 222	2376.4250	1997.736206	1979.228760
## 223	2135.8804	1731.566162	1516.842651
## 224	1964.1860	1543.470459	1746.294556
## 225	1596.9639	1697.680176	1378.559570
## 226	2258.2900	1423.347534	1599.074585
## 227	2801.2466	1367.692017	908.188843
## 228	2522.5461	1534.961670	1569.248047

## 229	1577.1000	1609.417725	1438.696655
## 230	1458.5648	1596.013184	1718.822144
## 231	1685.8842	1662.486084	1553.497925
## 232	2866.0952	1594.225098	1899.711060
## 233	1766.2704	1717.948730	1482.897949
## 234	2428.6753	1847.529419	2119.731201
## 235	1439.1194	1557.413574	1674.659546
## 236	964.7656	930.251770	987.608215
## 237	2535.5510	2273.345459	1494.907837
## 238	2842.3198	1659.832520	1108.154419
## 239	2634.9001	1869.882568	1281.646606
## 240	2841.3555	277.515656	262.263458
## 241	1635.4790	1009.849060	1592.256836
## 242	1953.5906	894.758789	1294.221313
## 243	2167.1094	2187.677734	2988.321533
## 244	1746.1321	2265.630859	1876.828491
## 245	2061.2141	1393.144531	1498.627319
## 246	1680.3179	1018.802368	573.631836
## 247	2199.5752	447.054169	243.647781
## 248	1385.1053	1109.244995	1638.587646
## 249	2206.2451	744.728821	1197.551270
## 250	2559.7065	1501.736450	1448.589355
## 251	2235.4302	1212.817505	1337.991089
## 252	2796.6228	67.091156	94.723907
## 253	1576.7057	1805.911255	2911.999268
## 254	1388.0096	2386.249268	2904.125977
## 255	1883.9854	557.883240	974.331543
## 256	1307.0930	1671.232544	3236.444092
## 257	1580.7869	2056.972412	2559.024658
## 258	2881.2930	1067.181030	1315.595337
## 259	1793.7819	1964.202026	2656.371582
## 260	1540.5692	2340.934082	2927.325684
## 261	1386.8342	1848.341187	2370.572021
## 262	2214.0078	709.417603	1113.663818
## 263	1763.7805	474.443665	597.394348
## 264	2399.1516	401.613647	538.133606
## 265	2587.8518	2114.531494	1819.133789
## 266	2771.1204	2694.580811	2262.516846
## 267	2882.9644	1612.071777	1583.160645
## 268	2549.8711	2058.108154	1928.293823
## 269	2879.3728	2486.998291	2372.896484
## 270	2422.9722	1406.261597	1449.061279
## 271	2453.4861	2095.959717	2042.856323
## 272	2830.0298	1102.007812	1509.185913
## 273	2856.2908	1700.680420	1557.644653
## 274	1938.9556	1555.377441	1470.875488
## 275	2628.5156	730.861389	684.909180
## 276	2680.7441	735.629333	503.229645
## 277	1966.3860	1601.886230	1178.633301
## 278	1869.8308	1540.681152	1277.609497
## 279	2872.1094	1355.209717	1212.416138
## 280	2901.7209	864.545044	667.781677
## 281	1658.9535	1684.251343	1547.476196
## 282	1830.0443	1708.136841	1710.767700

## 283	2823.4353	1173.505249	836.475281
## 284	1634.7177	1215.066284	973.863037
## 285	1931.7627	1002.869873	836.131592
## 286	2597.7734	1715.781494	1539.557007
## 287	2509.4324	1108.556152	1297.203613
## 288	2110.9866	371.467041	420.157288
## 289	2603.1130	2154.313232	2103.543945
## 290	1944.6029	1929.296265	2039.924927
## 291	2190.4849	1343.369141	1441.972656
## 292	2001.9100	2112.823242	1777.581909
## 293	2378.5935	1435.241211	1213.512329
## 294	2096.9783	1946.580688	1941.756104
## 295	1845.4331	1680.836914	1854.171021
## 296	2007.2197	1391.618896	1955.602661
## 297	2558.2329	1641.087524	1621.941528
## 298	2691.0605	1638.103882	1548.322388
## 299	1967.4023	2010.922363	1987.042969
## 300	1490.0460	1270.140991	1373.051147
## 301	2799.5791	2093.135010	2309.087891
## 302	1885.3857	1536.552368	1808.518799
## 303	2108.1355	1480.646484	1515.887817
## 304	2283.5195	1382.059082	1329.632568
## 305	2078.7207	1939.051514	1753.299927
## 306	2125.2979	1419.785767	1366.474976
## 307	2662.8557	1583.743896	1429.296875
## 308	1755.0143	1053.926147	1224.525146
## 309	1822.0732	1119.994629	1166.298584
## 310	2801.7722	1472.073608	1588.602905
## 311	2695.5330	1008.299561	1043.282227
## 312	2618.8101	1008.928772	913.752991
## 313	2707.0110	687.221985	561.304993
## 314	2698.1606	708.722473	626.928894
## 315	1558.2142	1208.480469	1449.598267
## 316	1822.1770	380.838470	215.750900
## 317	1892.4003	1261.073853	1389.705688
## 318	2811.0676	645.960938	357.913422
## 319	2804.6433	658.822144	363.456299
## 320	2425.5771	525.604004	616.569336
## 321	2842.4353	1982.913940	2073.582031
## 322	1954.3848	1657.392334	1810.965576
## 323	2536.8062	1433.517822	1187.584961
## 324	2257.5723	1524.821655	1243.259155
## 325	2395.1138	1545.087769	1203.675537
## 326	2349.4958	1188.518555	1175.695435
## 327	2242.5796	1732.818848	1216.219849
## 328	2489.8145	1165.810059	782.046204
## 329	2160.7874	1484.602295	1034.219971
## 330	1512.5559	1537.538818	1328.189331
## 331	2474.1252	971.833679	639.290527
## 332	2550.1887	1119.844482	1131.502075
## 333	2561.2307	1262.547852	1278.186401
## 334	2593.8369	1024.884888	996.592102
## 335	2519.8025	1265.319336	1387.635132
## 336	2112.5554	1618.639893	1851.004761

## 337	2758.1936	1067.553955	937.390808
## 338	2805.4097	1257.087402	1513.058716
## 339	2072.3328	1380.544067	1340.708862
## 340	2821.1218	1338.088623	1149.795898
## 341	2370.9119	1441.632568	1653.767334
## 342	2116.9717	1012.298218	855.999512
## 343	2806.7295	890.438660	487.931274
## 344	1843.5938	1385.986694	967.087280
## 345	1951.7571	1179.979736	1149.927612
## 346	2003.5410	1267.934204	1431.501587
## 347	1901.8420	1187.580811	1584.990723
## 348	2055.9197	619.881775	1117.275391
## 349	2254.5530	541.756714	886.212952
## 350	1783.7612	667.822876	708.788086
## 351	2640.5618	635.736389	416.879974
## 352	1616.9567	916.006592	663.438904
## 353	2711.2678	929.680115	631.885010
## 354	1139.2369	1179.220947	713.221436
## 355	2317.0781	897.259949	814.073914
## 356	2877.2078	524.641235	655.850586
## 357	2464.6321	1169.917236	1035.020264
## 358	2852.8799	1323.354370	889.301331
## 359	1475.6659	1514.690918	856.662659
## 360	1640.2157	1283.840454	1523.164673
## 361	2305.0259	170.992432	134.849014
## 362	2063.0334	939.760559	1196.682007
## 363	2747.5369	23.684799	26.895262
## 364	2518.5327	802.341370	1292.820557
## 365	2881.9338	458.872894	653.633423
## 366	2668.5723	1257.990234	1845.168335
## 367	2222.6702	1514.242188	2426.280273
## 368	2545.2424	781.067993	974.473145
## 369	2385.2566	1110.012695	1491.417236
## 370	1588.6394	492.987030	916.536499
## 371	2831.9387	638.634338	929.500549
## 372	1337.2078	520.564209	867.201050
## 373	2566.5325	286.132050	476.645172
## 374	1025.2554	322.682434	670.950134
## 375	1460.8408	672.287598	928.081543
## 376	1809.3665	569.824829	923.428467
## 377	1247.6724	466.721191	671.813171
## 378	2587.6545	322.813416	489.431335
## 379	2776.5088	100.537605	219.318954
## 380	2552.9084	281.983002	532.246399
## 381	1700.8087	147.487366	256.520081
## 382	2484.8438	309.004730	336.526642
## 383	2405.7673	122.596832	179.934341
## 384	2265.3984	135.603119	145.367584
## 385	2765.1357	67.855545	153.896927
## 386	2810.9221	66.130867	82.449913
## 387	2353.4644	25.362638	41.332516
## 388	1361.3098	228.398605	733.556458
## 389	1072.1448	651.425476	1023.675598
## 390	2163.9902	532.852356	746.658386

## 391	2279.6721	314.052002	522.291565
## 392	2232.5059	396.225311	775.732666
## 393	2095.7400	367.059631	684.967773
## 394	2705.5776	904.216492	1273.403198
## 395	2228.5125	149.605301	170.388519
## 396	2782.6292	710.785889	1037.088135
## 397	2160.1987	1007.324890	1062.396606
## 398	2657.1323	930.413879	1064.437378
## 399	1323.5529	762.852234	947.389343
## 400	2633.7307	862.128601	1397.743774
## 401	2772.6399	931.475891	1723.793213
## 402	2890.1399	728.409790	872.187134
## 403	2186.5640	1048.996216	1411.812378
## 404	2562.5134	648.594299	1055.719360
## 405	2364.0557	319.266724	538.397644
## 406	2333.8284	464.096191	606.302429
## 407	2826.8401	216.055511	222.777771
## 408	1805.6364	406.903412	686.719055
## 409	2032.7477	1492.923950	1163.697388
## 410	2271.9126	611.726074	546.851135
## 411	1498.8805	982.039307	978.341675
## 412	2750.6619	686.875549	943.980774
## 413	1852.6520	446.842255	472.223724
## 414	2277.8245	1256.087891	1057.727051
## 415	1459.7900	983.233032	912.682861
## 416	2082.8552	708.418762	789.767395
## 417	2845.5132	1036.614258	1039.333008
## 418	2886.0176	117.704544	174.680389
## 419	2872.7327	1601.674805	2070.449219
## 420	2737.3547	81.485184	265.301483
## 421	2231.2253	272.791718	391.924896
## 422	2380.5415	207.075516	324.591156
## 423	1196.4113	346.887909	405.678741
## 424	2127.7014	276.765533	306.328979
## 425	2618.6680	320.277069	374.773834
## 426	1191.5757	286.585846	445.013885
## 427	1852.2449	159.778839	215.687515
## 428	1288.9647	381.785156	409.298035
## 429	2017.9575	464.550568	577.406372
## 430	1718.2103	547.250610	453.674377
## 431	2825.4873	330.470520	284.203766
## 432	2807.3496	420.302979	489.383850
## 433	2830.8376	406.526611	456.533783
## 434	2243.0576	343.837982	454.159088
## 435	2788.1555	322.131622	363.061737
## 436	2211.1150	58.894283	119.119034
## 437	2845.3508	76.502563	102.651527
## 438	1884.6903	330.552948	501.459229
## 439	2708.5293	543.437134	535.785828
## 440	2022.0151	570.814087	481.299896
## 441	2506.9841	584.341248	635.461182
## 442	1574.6984	644.726562	903.919983
## 443	1964.1294	622.048584	1055.669189
## 444	2846.0291	559.351196	1063.150024

## 445	2864.4019	554.514404	1086.169067
## 446	2864.9893	742.764343	1328.204224
## 447	2512.3435	740.884644	947.361084
## 448	2899.7063	516.329956	808.896301
## 449	1743.4126	160.289200	437.913605
## 450	1587.9292	569.489380	776.240479
## 451	2140.6260	1698.391968	1978.899658
## 452	1716.4803	1367.471924	1667.017456
## 453	1388.9913	1613.965088	1833.120483
## 454	1115.5322	985.104248	1804.010376
## 455	2561.7898	1238.168579	2082.660156
## 456	2467.3323	1471.685913	1889.145142
## 457	2384.8037	1626.524536	2609.053467
## 458	2130.7224	1213.154297	2272.670166
## 459	2380.7637	753.692139	1459.127197
## 460	1672.6860	975.475403	1536.327271
## 461	2813.6812	1499.827637	2962.602051
## 462	2219.5552	758.534241	954.272400
## 463	2879.7783	329.081970	522.373108
## 464	2442.5840	1957.423462	1279.391724
## 465	2839.7156	1723.842529	1188.345093
## 466	1418.8544	1959.832886	1379.401001
## 467	1595.0670	650.693970	1057.665283
## 468	2780.7678	160.048843	110.746536
## 469	2313.7844	437.135468	425.072388
## 470	2698.0554	467.412384	331.839905
## 471	2603.7363	992.580750	1209.082642
## 472	2818.7832	351.048706	450.304993
## 473	2669.5256	410.176788	497.678070
## 474	2127.3359	450.760986	760.355591
## 475	2313.1497	1162.791138	1327.621338
## 476	2847.6611	868.545349	1336.288574
## 477	2801.2197	1467.551147	2353.924316
## 478	2278.8867	1444.301636	1570.246216
## 479	2847.4370	1125.363892	1364.233276
## 480	2267.6074	846.056213	1134.077148
## 481	2144.1069	1906.252930	3176.187744
## 482	2555.0957	862.207214	1116.271240
## 483	2593.4705	745.378662	1188.862915
## 484	2786.4336	1031.237427	1286.046875
## 485	2204.7014	735.156128	1083.368652
## 486	2478.0122	388.601318	335.117249
## 487	2367.6787	1063.955200	1059.989746
## 488	1921.8103	580.204163	809.052979
## 489	2073.3376	422.693573	425.217651
## 490	2005.8837	323.975281	317.664612
## 491	2347.0715	174.784088	113.447914
## 492	2349.6528	347.087830	515.628601
## 493	2400.9734	279.744934	302.088287
## 494	2373.9863	306.389587	366.005951
## 495	1353.5100	455.292572	434.457306
## 496	2116.1782	813.274597	862.003967
## 497	1742.6812	726.855896	1101.438599
## 498	2776.0132	1462.042358	2149.046387

## 499	1237.4612	910.502258	1234.015015
## 500	2827.6357	636.148560	591.616821
## 501	2113.4219	1431.704468	1999.450928
## 502	2845.0764	978.789917	2441.331543
## 503	2830.6536	1000.495361	723.955383
## 504	2273.3899	1985.532104	1771.970337
## 505	2853.0471	1246.243408	1475.506470
## 506	2427.5894	966.506897	930.188660
## 507	2798.2585	1082.257935	1143.381714
## 508	2479.1111	1555.649048	1589.603394
## 509	2472.4602	1130.850220	1012.182983
## 510	2197.4666	762.628418	821.377991
## 511	1007.0839	941.481445	1131.839111
## 512	2286.6423	1809.469482	1375.977661
## 513	2848.1609	1784.050171	1093.427368
## 514	2446.6814	1940.274536	1232.242920
## 515	2863.0637	1499.968384	974.881836
## 516	1735.6262	2171.054688	1689.827759
## 517	2654.2041	810.331238	1213.698120
## 518	2873.9309	0.214658	0.187202
## 519	1897.2778	405.862671	599.875549
## 520	2837.9778	279.610809	289.098724
## 521	2485.9333	254.784454	300.343964
## 522	1895.1187	733.065063	1455.733398
## 523	2441.0027	2022.473755	1937.578247
## 524	2290.6575	1264.503418	1370.668579
## 525	1771.0161	1126.605103	1513.912842
## 526	1855.1995	1472.589355	1783.422729
## 527	2574.1731	1051.766846	1286.713745
## 528	2041.3131	744.377075	1022.911804
## 529	2873.6873	1018.553711	969.590027
## 530	2274.1533	1096.668823	1076.833984
## 531	2196.9868	693.740601	643.350342
## 532	2895.5569	487.785797	443.052185
## 533	2403.4219	579.265625	543.530273
## 534	2293.8809	774.895691	836.151672
## 535	2502.8032	984.861633	868.656494
## 536	2840.5256	468.431366	553.843384
## 537	2665.0393	1130.049438	1425.016846
## 538	2836.3301	635.894043	469.246765
## 539	2702.6284	616.203308	457.231567
## 540	2420.3835	488.217224	463.559479
## 541	2841.1479	703.728516	483.564636
## 542	2879.1296	544.760742	422.067535
## 543	1550.8921	722.124268	563.467834
## 544	1447.9170	979.446960	854.790161
## 545	2870.1082	292.829498	247.874100
## 546	2650.3660	213.575287	316.732422
## 547	2887.3928	667.404602	1233.952881
## 548	2623.8672	1549.118042	2551.869141
## 549	2811.7720	809.918335	1193.600586
## 550	2455.7974	798.692993	1194.642456
## 551	2473.4971	1082.522339	1133.038086
## 552	2310.5767	915.691956	1016.005005

## 553	2520.0859	736.443909	986.703186
## 554	2486.6238	270.635620	582.026794
## 555	2502.8428	823.227783	1097.002319
## 556	2477.3369	742.558838	1351.863281
## 557	2414.9573	679.158569	1458.576904
## 558	1817.7278	1074.809814	2906.866211
## 559	2843.2385	538.957031	954.500000
## 560	2313.8438	7.503463	26.284008
## 561	2907.2837	6.503083	5.406118
## 562	2908.2229	6.756580	6.441296
## 563	2487.0850	7.731982	6.916410
## 564	2745.0500	77.333397	54.777664
## 565	2053.9788	317.639771	352.972473
## 566	2577.5513	363.671204	239.481293
## 567	2383.9224	1047.652344	1177.831909
## 568	1879.7556	928.292236	1502.719238
## 569	1730.9459	971.369507	1306.133057
## 570	1698.2140	770.041809	1124.370728
## 571	2306.4421	754.367859	1012.056763
## 572	2598.3357	717.731873	2264.528564
## 573	1961.6805	1095.170898	1743.313477
## 574	1128.3639	997.965210	1605.753784
## 575	528.3320	926.845398	1390.776978
## 576	793.3497	1202.960449	1737.542603
## 577	1188.4335	1272.732910	1395.919312
## 578	1282.7539	1129.465820	1357.086182
## 579	1814.5405	239.971573	372.406860
## 580	2413.5249	2867.910400	2130.488525
## 581	2910.7542	2888.840332	1702.880493
## 582	2390.3420	1573.184937	1799.254150
## 583	2866.5564	1084.432739	994.530151
## 584	2563.0891	1606.563110	1996.595581
## 585	2813.0652	909.743591	1063.250000
## 586	2209.6401	950.614990	1205.260254
## 587	2876.9255	1970.623169	2013.991577
## 588	2345.7261	968.802490	1023.147827
## 589	2878.3440	1155.903198	1245.008545
## 590	2880.0593	1227.697144	1512.401978
## 591	2881.4324	893.528442	1023.581482
## 592	2594.8298	1034.761597	1170.487549
## 593	2409.0286	1644.334961	2208.685547
## 594	2826.6333	1275.030396	1018.380005
## 595	2817.2524	853.584534	681.247131
## 596	2784.2939	875.411682	747.144714
## 597	2805.5779	1029.327759	901.763062
## 598	2879.2227	768.513611	815.166504
## 599	2786.3506	1097.404541	990.356384
## 600	2854.0503	863.107300	1137.465820
## 601	2456.5376	662.929504	894.188721
## 602	2501.5410	1265.299561	1471.875366
## 603	2736.8518	480.267242	602.575684
## 604	1709.9211	1242.238159	1125.802490
## 605	2313.3464	1118.026489	1020.718567
## 606	957.4536	1219.408081	1329.258301

## 607	1914.7108	803.505432	928.217529
## 608	1564.5574	1229.291016	1432.334351
## 609	1461.0319	927.924927	1160.754761
## 610	1077.4205	1018.539856	1091.286011
## 611	1977.6727	839.808289	1001.336670
## 612	2422.4729	3021.231201	1681.571533
## 613	2760.9097	2144.766602	1592.969604
## 614	2781.3262	2217.166260	1816.354370
## 615	2012.0940	1760.676758	1310.441040
## 616	2431.5889	1963.482422	1016.470398
## 617	2663.1228	942.518738	836.626221
## 618	2605.8259	925.957458	546.793701
## 619	2564.4414	891.613098	694.658875
## 620	2325.9905	951.934204	581.766052
## 621	2637.2407	909.243225	513.012329
## 622	2648.1226	1289.658081	770.377258
## 623	2899.5864	1309.099976	830.074280
## 624	2417.8145	808.079102	500.892029
## 625	2877.5918	721.736206	470.154144
## 626	2235.3323	829.538635	563.657654
## 627	2403.9651	1059.160767	663.656067
## 628	1332.0879	1146.750854	673.651001
## 629	2798.1487	868.607849	586.249695
## 630	2803.4185	1185.402710	985.155823
## 631	2841.3633	618.961975	1284.267334
## 632	1607.4006	889.317749	955.504333
## 633	2268.1426	762.771362	813.897400
## 634	1608.8513	1007.925842	1118.878174
## 635	1633.6670	955.257080	1136.362915
## 636	1673.7823	825.867493	920.300964
## 637	2658.3752	1537.223145	1199.869751
## 638	1998.1907	874.002136	947.261780
## 639	1189.5966	868.404053	991.067810
## 640	2854.0156	1255.539673	1557.488281
## 641	2609.0664	670.760193	839.214966
## 642	2854.2217	1076.757690	995.017700
## 643	2377.5894	1235.387939	1590.668091
## 644	2868.7817	685.804565	496.987244
## 645	2882.7146	965.070496	1203.199341
## 646	2281.0000	808.267578	954.955322
## 647	2117.8625	623.880737	693.983948
## 648	1532.2917	1024.502075	1154.355225
## 649	2832.7949	980.863525	1186.730957
## 650	2418.3657	589.182434	884.847168
## 651	2854.2119	607.650879	759.619873
## 652	2855.8708	1761.718872	1500.753784
## 653	2809.9978	1181.836792	1190.086182
## 654	2854.7266	763.961365	648.846375
## 655	2677.9382	1045.841675	925.034973
## 656	1887.9335	1446.046753	1507.763306
## 657	2478.1084	1325.280396	1141.135620
## 658	2820.2485	1024.981445	1246.979858
## 659	2233.9229	922.644836	952.606934
## 660	2860.9868	865.431030	1383.188721

## 661	1865.7184	1129.994873	1525.745972
## 662	1444.1949	1166.695312	1305.855103
## 663	1811.3347	1418.801880	1588.305054
## 664	2425.9983	1078.353516	1102.280029
## 665	2866.1724	1486.337402	1477.254150
## 666	2882.6025	1079.413818	1279.637329
## 667	2225.3323	2144.865479	2763.743164
## 668	1673.7502	861.095398	1084.717651
## 669	2796.8098	930.575623	792.859192
## 670	2266.3533	365.247864	512.059326
## 671	2205.0408	840.886108	918.828674
## 672	2306.7737	882.666260	1252.259644
## 673	2543.2703	1568.693726	1867.624878
## 674	2481.8960	2606.752441	2542.817627
## 675	1497.5472	1660.519287	1990.253662
## 676	1403.5736	1538.923828	1454.083618
## 677	1676.7401	1216.209961	1090.277466
## 678	2012.0519	1373.758911	1189.301270
## 679	1909.6599	1068.601440	1118.451050
## 680	1986.3668	1173.438721	1294.592651
## 681	2851.9272	922.099854	1126.469971
## 682	2890.2441	467.142242	417.078339
## 683	1464.9286	557.037537	1087.389771
## 684	782.6385	1087.138550	1228.395264
## 685	756.7878	1052.854614	1281.013794
## 686	1799.2177	1287.237427	1534.018555
## 687	1355.3455	698.205505	1308.882812
## 688	1119.4941	1111.330444	1584.326904
## 689	861.8519	923.313660	1335.227905
## 690	945.2233	1196.652832	1547.660400
## 691	1466.8390	1112.579346	1278.069824
## 692	2690.1406	1021.236755	1095.820190
## 693	2325.2480	836.545837	1157.548950
## 694	1901.4684	939.868225	1337.881348
## 695	2315.8013	635.547058	895.978271
## 696	2498.3889	863.417358	887.815247
## 697	2774.5339	843.908020	873.191895
## 698	2697.6648	736.207092	985.438232
## 699	2833.5342	620.323914	1152.893555
## 700	913.1619	1347.197998	1479.952271
## 701	922.1935	1267.744019	1635.386353
## 702	1063.5736	1134.962524	1514.150513
## 703	701.0717	1140.479736	1403.511597
## 704	567.8568	1207.931885	1601.984131
## 705	813.0614	1352.251221	1728.704956
## 706	793.3752	1124.375122	1460.564331
## 707	1066.0621	1165.880737	1331.449341
## 708	932.7747	1114.237915	1521.230957
## 709	905.9855	1393.605103	1923.533203
## 710	1171.2954	1042.572510	1294.915283
## 711	833.5579	1181.719482	1536.923340
## 712	1143.9385	1025.462524	1333.199585
## 713	873.9539	1077.670776	1443.168213
## 714	952.1793	1255.159912	1589.258789

## 715	737.1642	1255.379150	1643.946167
## 716	340.9093	1309.910278	1485.540039
## 717	978.4152	1593.645630	1559.079956
## 718	1051.3142	1650.172485	2115.464844
## 719	652.0223	1369.736206	1687.297363
## 720	1336.7540	1438.181274	1588.576172
## 721	1136.3895	1455.096191	1340.562500
## 722	2836.6177	775.257446	1452.380981
## 723	2071.9314	1195.598755	1313.188721
## 724	1620.8909	725.471252	852.500916
## 725	1993.5089	975.417236	677.803162
## 726	1872.9539	1317.090088	923.867065
## 727	1921.5654	1385.047607	1382.079590
## 728	1967.6187	1172.984131	1212.971191
## 729	2550.2168	713.871277	686.373657
## 730	1920.2262	1062.849976	974.895996
## 731	1613.4645	1063.335938	921.780457
## 732	1758.2797	1199.085327	964.574036
## 733	1595.7814	915.415039	706.400513
## 734	2285.6008	1078.103394	831.240234
## 735	2432.6667	1122.457275	952.250244
## 736	2665.4768	869.816162	852.314270
## 737	2683.2012	1264.337646	1204.594482
## 738	2398.2869	2325.071045	1937.081299
## 739	2640.2625	1151.549194	1243.354858
## 740	2548.7598	847.752563	970.801880
## 741	2622.8398	1146.252197	1127.594727
## 742	2283.5698	976.865051	1441.507690
## 743	2860.5850	646.470886	504.330322
## 744	2008.7773	640.744019	613.739319
## 745	2191.9749	507.578674	340.134369
## 746	2872.5774	675.511292	686.362427
## 747	2582.7534	711.617188	454.292542
## 748	2411.9241	779.956055	567.168091
## 749	2074.0999	983.916809	680.499084
## 750	2229.4258	810.313110	539.070007
## 751	1901.6100	534.012207	483.484070
## 752	2658.1714	591.151245	408.954254
## 753	2508.0725	530.298035	436.457428
## 754	2271.5864	585.694214	408.327148
## 755	2832.6396	701.696411	655.449707
## 756	2754.2769	841.879150	841.915771
## 757	2793.4495	1346.215332	1013.699585
## 758	2468.6221	839.428467	1729.141357
## 759	1670.5226	1404.090820	1664.862671
## 760	2839.8811	1162.945801	960.354126
## 761	1819.8300	1330.866211	1098.726807
## 762	1594.0139	1403.340088	1420.882568
## 763	1564.5956	1175.955200	904.516602
## 764	2665.8098	1903.430420	1427.211304
## 765	1509.5652	1449.222168	1157.474365
## 766	1442.0496	1073.780396	856.470703
## 767	1968.4099	694.203308	774.125000
## 768	1560.2883	1261.727051	1265.074707

## 769	2861.1973	1194.443481	1188.721313
## 770	1639.6888	1396.147339	1355.670776
## 771	2834.0681	1832.777466	1426.521606
## 772	1733.7532	987.657104	786.011963
## 773	1787.4855	1132.277710	1317.954102
## 774	2632.4255	876.218506	845.463013
## 775	2183.8171	322.086426	855.869873
## 776	2140.1638	1972.138916	1820.347778
## 777	1729.1752	1416.403809	1361.044678
## 778	1196.5378	1280.301270	1416.502441
## 779	1974.9181	1183.774170	1259.883179
## 780	1554.7756	1313.650391	1493.636963
## 781	1792.0568	1159.076416	1316.471436
## 782	1051.1138	1028.308105	1189.546753
## 783	961.0886	1455.801758	1488.766357
## 784	1540.2468	1314.767456	1372.024414
## 785	1889.9355	1257.715332	1443.333740
## 786	1529.7852	1300.723389	1475.600586
## 787	1442.4133	1165.555054	1044.978271
## 788	1344.1147	1334.727051	1458.780518
## 789	1685.7881	1170.811157	1454.711548
## 790	2119.3154	1208.508789	1548.745972
## 791	1329.6813	1433.441284	2422.657959
## 792	1808.2034	1327.095093	2310.638428
## 793	2132.9998	1236.434326	1238.160889
## 794	2852.2729	1417.976440	1830.360474
## 795	1753.0221	3238.067383	3494.022705
## 796	2227.0332	1323.570679	2183.549072
## 797	1462.1498	1671.798218	2386.281982
## 798	2603.5281	767.727661	1688.001465
## 799	2839.9294	2836.324219	3942.777832
## 800	2354.9644	1282.755371	2240.570312
## 801	2845.0623	322.859985	519.577637
## 802	2825.0708	2463.307861	3596.009033
## 803	2253.7019	1432.980957	1890.732056
## 804	2165.6626	1146.564453	2192.249023
## 805	2359.8325	890.702637	925.019653
## 806	2882.8774	927.590820	1051.214111
## 807	1012.2037	588.524231	829.953430
## 808	922.4941	1247.623413	1705.780273
## 809	722.8479	1053.213623	1429.074829
## 810	699.7078	1184.152466	1436.036377
## 811	1276.3594	801.726807	1127.631714
## 812	647.2805	952.254028	1340.701660
## 813	713.1473	1009.284973	1330.264648
## 814	448.6495	1007.507568	1546.633789
## 815	595.6702	1076.462402	1556.927002
## 816	1120.0352	911.636536	1507.281006
## 817	1278.6746	1083.524902	1655.288574
## 818	2849.6184	311.012665	446.493378
## 819	1086.2249	1146.596191	1177.576538
## 820	1158.0625	1229.373047	1444.409180
## 821	863.5300	1238.726318	1569.321289
## 822	600.2439	1109.395142	1570.307617

## 823	510.5961	1157.535278	1534.588745
## 824	1702.0255	1009.738281	1341.679443
## 825	1367.2723	1575.804810	1834.526489
## 826	2276.2451	968.654846	1364.412354
## 827	1432.7355	1143.779785	1201.961426
## 828	1126.5238	620.284729	1019.585144
## 829	1118.8357	1126.704834	1471.964233
## 830	866.6168	1495.696289	1795.372803
## 831	876.0283	1144.557007	1172.109619
## 832	1084.2062	885.654663	834.578918
## 833	1377.8793	1395.989746	2113.718018
## 834	1682.3223	1406.087891	1721.888794
## 835	2566.8767	810.653381	787.901245
## 836	1559.3518	693.855652	625.420044
## 837	2245.6067	1072.834351	1336.033936
## 838	2092.3477	1667.035767	2549.952637
## 839	1667.1890	2212.097412	1953.980713
## 840	2324.5515	808.933044	879.016479
## 841	1597.7773	1270.734009	1417.789917
## 842	2735.3743	913.079834	1331.361084
## 843	2243.6941	1607.765503	1163.524902
## 844	1948.5302	1221.892700	965.931152
## 845	2120.2974	1233.546143	1228.968018
## 846	2278.8811	1586.484497	1220.012817
## 847	1842.7014	1173.912231	998.165344
## 848	2149.4224	1641.489136	1677.610107
## 849	2870.2651	1047.367188	999.399780
## 850	2556.3960	1166.763306	1014.393860
## 851	2002.4874	961.605957	950.723999
## 852	2145.1409	1158.013672	938.682983
## 853	2010.1377	1248.405273	1102.401733
## 854	2329.1760	1109.417114	1175.404785
## 855	1542.8466	1329.505249	1347.251343
## 856	2130.8579	1517.338745	1132.427612
## 857	1775.8333	1641.356445	1145.784058
## 858	2267.0002	1144.132446	1058.401978
## 859	1711.7947	1156.899292	717.923035
## 860	2032.6031	654.188965	787.491638
## 861	2551.4153	1932.038086	2098.397461
## 862	1118.1023	1222.254517	1578.531860
## 863	1542.8881	1105.067261	1645.740112
## 864	2247.2791	1259.879272	1380.889038
## 865	1903.9183	1040.607422	1153.513794
## 866	1777.3655	1241.117554	1688.092285
## 867	2622.0281	553.505920	427.789154
## 868	2515.5500	1422.981689	1322.083496
## 869	2716.4597	1930.189453	2559.905762
## 870	2836.2832	1494.015015	2134.240234
## 871	2376.3831	299.708008	306.481567
## 872	2808.3938	1055.621216	1446.551147
## 873	2826.1113	1085.851929	1433.397095
## 874	2227.2561	1347.896484	1658.065674
## 875	2489.3909	1241.190796	1358.072998
## 876	1599.9379	1237.026489	1794.584473

## 877	1988.1591	1320.804321	1656.854980
## 878	1024.8682	1255.018799	1816.091309
## 879	1321.2812	2590.241455	2908.948975
## 880	2203.5073	1717.491455	859.124329
## 881	1840.7875	1217.601562	900.464600
## 882	1819.3463	892.146667	1421.632324
## 883	1764.2404	1060.348022	1159.125000
## 884	1450.4785	1524.600342	1884.058594
## 885	1557.1914	1353.573242	1362.483398
## 886	1712.6834	1229.233398	1110.876587
## 887	2272.8020	1715.259644	1238.970215
## 888	1490.8558	1580.047241	1061.708130
## 889	1164.2473	1561.666382	1558.321899
## 890	2860.5679	1210.387817	887.785400
## 891	1911.9888	1300.313110	1226.129395
## 892	1935.1641	1187.775879	1233.109985
## 893	1744.0057	1140.385742	1010.467712
## 894	2813.4358	796.350647	481.087067
## 895	1171.1865	1251.848022	1078.937744
## 896	661.9106	1035.850098	1477.950195
## 897	723.9138	1193.054321	1811.632080
## 898	738.5742	1170.706177	1714.670288
## 899	887.4402	1274.225708	1598.078369
## 900	2807.8506	953.882141	1119.890259
## 901	879.3824	1174.195435	1747.012695
## 902	2710.5413	1052.007935	1781.779175
## 903	870.2158	1337.353271	1957.336304
## 904	2433.9692	1127.365479	1466.658203
## 905	860.1478	1301.018066	1855.369995
## 906	911.4904	1405.734741	1886.512939
## 907	2651.8186	551.137207	1153.281006
## 908	1027.6986	1419.073120	1896.499634
## 909	1363.6189	1378.083008	1809.126465
## 910	1973.2301	1458.685791	1872.191284
## 911	951.3393	1120.689209	1482.754639
## 912	1095.2780	1377.656494	1586.891479
## 913	678.3358	1093.731934	1484.027466
## 914	2206.4058	698.873718	1010.011719
## 915	2092.7344	759.136719	1203.691406
## 916	1739.9911	1134.396729	1393.794434
## 917	2522.1912	1006.778381	1416.788696
## 918	2311.7637	1018.107361	1468.273193
## 919	2199.8962	1363.143311	1752.544312
## 920	1668.9991	230.990692	502.014893
## 921	2055.2646	926.833679	1076.707031
## 922	1965.5547	1134.069946	658.301025
## 923	2566.8411	964.577820	541.605347
## 924	2890.2275	930.810120	686.950806
## 925	1526.6233	790.001404	384.060120
## 926	1652.9688	806.211182	579.732727
## 927	2051.2063	867.066895	631.006958
## 928	952.6144	1175.350830	1407.106323
## 929	1016.6852	1079.106323	1194.387085
## 930	992.9719	711.555115	640.753296

## 931	831.3705	636.559204	561.641663
## 932	1036.7102	636.515625	432.155090
## 933	1345.0880	447.874176	633.320435
## 934	2207.8452	4106.961914	3347.033447
## 935	1859.7819	1846.252441	1310.022949
## 936	1807.0941	1309.488403	1026.772217
## 937	1777.3113	1061.497314	1436.155518
## 938	1441.8899	1097.462280	1095.213623
## 939	1561.0188	1312.163818	1196.434082
## 940	1696.0128	1300.936279	1295.891235
## 941	2261.5410	1346.138062	1299.141479
## 942	1494.1993	1723.919189	1079.294189
## 943	1168.5504	1174.226562	1002.839294
## 944	2858.7483	1192.397461	874.683105
## 945	2894.0457	3345.310059	2422.812500
## 946	2449.7734	1456.875000	1096.107544
## 947	2859.4583	1446.549561	1652.783569
## 948	2303.0466	1035.634766	1064.000366
## 949	2879.5454	1120.593018	1297.155151
## 950	2238.6565	1405.916870	1372.244995
## 951	2084.1445	840.731079	695.269836
## 952	1966.8577	1243.065063	721.638672
## 953	2500.3840	1237.975708	873.549927
## 954	2856.2178	613.661926	746.737122
## 955	2903.7727	1764.500732	1980.916504
## 956	1988.5552	712.852417	826.902527
## 957	2410.3464	596.207886	525.338196
## 958	2753.2737	533.574951	451.276642
## 959	2608.1445	584.978577	508.120453
## 960	2627.4309	1417.929199	1331.146973
## 961	2330.7644	621.959595	550.681702
## 962	2566.9551	965.151672	1308.830933
## 963	2581.5413	2305.922119	1434.578735
## 964	2757.6519	1461.607422	1124.527100
## 965	2370.9553	1522.219238	1015.844666
## 966	2903.0061	1225.322754	779.629089
## 967	2270.2019	1212.486572	891.578796
## 968	2398.5659	1434.083252	1046.529907
## 969	1342.2593	1018.257935	563.700562
## 970	2572.4944	1216.710083	575.902771
## 971	2873.2935	1187.344360	862.634766
## 972	2899.0066	952.814026	542.487671
## 973	2215.5291	740.662720	456.602295
## 974	1713.2440	988.329102	613.022034
## 975	2863.1099	1034.810303	827.413879
## 976	2353.6604	1184.815674	649.740967
## 977	2884.5513	876.703369	542.585144
## 978	1951.8638	873.672791	627.395752
## 979	2520.4978	1249.187866	1012.705444
## 980	2406.2693	892.209839	764.449158
## 981	1466.0793	937.832153	1038.327271
## 982	1369.0938	820.049744	1133.033936
## 983	1680.4674	2067.399414	2114.680176
## 984	1967.5507	1266.078003	1137.075806

## 985	1946.7849	1999.337036	2512.935059
## 986	2848.7622	920.848694	1040.845215
## 987	2872.4949	1193.463135	1092.637085
## 988	1802.0060	1581.812134	1813.798584
## 989	765.0634	987.350769	1007.526672
## 990	996.5745	756.595093	1242.391724
## 991	636.6447	1163.883667	1733.236328
## 992	818.6028	1467.687866	1937.980469
## 993	1409.2970	1212.006958	1860.075195
## 994	389.1611	1214.264404	1537.447144
## 995	710.7019	1090.948120	1337.736328
## 996	387.3638	1176.057739	1557.973999
## 997	1558.9735	1209.294800	1640.080200
## 998	1169.5088	1241.084961	1500.828857
## 999	2780.1560	1032.148804	1568.094238
## 1000	1516.6581	1245.681030	1664.929932
## 1001	1881.8422	852.820679	656.382996
## 1002	1328.4861	1155.190308	1451.191895
## 1003	1509.2849	923.493835	1477.799194
## 1004	1141.1698	844.709045	1453.525513
## 1005	1775.4852	1240.028931	1912.199707
## 1006	1924.5941	1128.856689	1370.253540
## 1007	2848.9160	872.489563	989.550964
## 1008	1804.4216	1066.940918	841.450745
## 1009	2323.2222	656.615295	1214.364380
## 1010	2839.5249	1338.346558	1687.685669
## 1011	1614.2877	1097.742310	1583.133057
## 1012	1780.2942	1486.347534	2087.204834
## 1013	1671.4363	1293.322998	1261.046265
## 1014	2184.0002	1092.272339	1939.933960
## 1015	2476.7351	1305.862915	1322.341431
## 1016	2287.6843	1185.832153	2047.854248
## 1017	1927.7196	775.142151	606.845642
## 1018	1835.4952	962.162598	1425.054443
## 1019	1551.4581	1441.402588	2269.511719
## 1020	1732.6746	1272.214355	1618.936646
## 1021	2266.0356	907.594971	1376.000977
## 1022	2751.6667	1117.753906	1744.536743
## 1023	1484.2993	1349.762573	1898.631226
## 1024	1173.1547	1051.102417	1629.529663
## 1025	1320.2587	1504.703125	1872.254272
## 1026	1907.6644	1254.521606	1579.753052
## 1027	1890.9326	1576.923096	1938.148438
## 1028	1955.2809	1338.410278	1041.151978
## 1029	2485.6445	1216.615356	1860.168701
## 1030	2387.7029	918.856934	1188.512207
## 1031	1556.1042	1463.270752	1886.133179
## 1032	2406.2017	1243.420288	1760.621582
## 1033	2420.2673	1391.872314	1556.320312
## 1034	2827.5479	1314.360107	1745.110474
## 1035	1241.1483	1197.484131	1492.701416
## 1036	1821.6299	1623.625610	2036.868896
## 1037	1793.1360	1295.065186	1640.510742
## 1038	1529.1173	1000.488831	1428.324951

## 1039	1619.5710	1399.428223	1792.614502
## 1040	1985.5576	1674.298462	2918.920410
## 1041	1796.0973	1146.866211	1714.585205
## 1042	2227.9602	666.006348	1094.785400
## 1043	1262.6689	1152.889038	1567.506470
## 1044	2026.3350	982.712097	1660.475708
## 1045	518.8805	1161.706543	1533.451904
## 1046	676.8853	1115.376587	1660.040527
## 1047	1143.6287	1088.367798	1317.207642
## 1048	679.7941	1202.145020	1817.381226
## 1049	656.5866	1525.122070	2272.319580
## 1050	470.2445	1153.108154	1759.284790
## 1051	643.0836	1120.743774	1701.456665
## 1052	872.6696	1297.484985	2031.915405
## 1053	573.3024	1369.590454	1816.015991
## 1054	1245.4531	1313.126709	2139.297607
## 1055	523.2271	1149.597290	1704.125854
## 1056	1180.7101	1203.593994	1580.007568
## 1057	511.2373	1148.462402	1759.895752
## 1058	545.6891	1359.650513	2086.261719
## 1059	1989.7749	909.403076	1487.341064
## 1060	777.4933	1145.096802	1851.785156
## 1061	1010.0372	1178.109863	1539.969727
## 1062	1331.9038	1028.902588	1508.214722
## 1063	1095.0262	1035.187256	1607.360352
## 1064	1961.3159	1327.697998	1496.944824
## 1065	2439.3425	1307.052368	2190.172363
## 1066	2377.6162	1522.954590	2087.799316
## 1067	1965.9491	1083.903442	1828.027588
## 1068	1447.5349	1496.338989	1726.067139
## 1069	1865.0607	936.163147	1615.474854
## 1070	2381.8782	1239.348511	1504.782471
## 1071	2834.7329	940.049500	1185.370605
## 1072	2167.8188	1247.009521	1626.041382
## 1073	1728.8690	1303.517212	1946.005615
## 1074	2004.0680	1394.730957	1850.627197
## 1075	2658.3137	1128.779053	1893.377563
## 1076	2775.3801	550.049866	869.784119
## 1077	1371.3090	1187.652466	1780.286133
## 1078	1906.6656	556.469910	435.461334
## 1079	2532.2065	505.067352	340.025482
## 1080	2859.0361	1165.970215	1033.965088
## 1081	2838.9519	897.738647	957.022766
## 1082	2856.3884	1056.942383	1285.619995
## 1083	1585.4547	1204.329224	1279.138306
## 1084	1846.6002	1450.713501	1494.007202
## 1085	1943.7620	1113.098755	1102.152344
## 1086	1929.1888	1029.394897	1140.005737
## 1087	2473.8997	1246.901733	1453.247925
## 1088	2508.9434	1226.028687	1208.609863
## 1089	1867.4156	1471.788452	1397.141846
## 1090	2869.2681	753.053284	984.885132
## 1091	2788.4592	816.695557	979.227478
## 1092	2862.6990	801.983276	982.638916

## 1093	1690.2556	1300.462036	1346.515015
## 1094	2101.4377	1484.287598	1742.894775
## 1095	2743.5596	911.855042	953.211243
## 1096	2032.2417	1152.732056	1591.914062
## 1097	2414.2036	1061.548706	862.952942
## 1098	1317.7386	1028.028564	1247.732910
## 1099	1308.0364	1727.333374	1428.364990
## 1100	2336.9565	1422.049316	1744.519409
## 1101	1692.5255	1236.773560	937.837952
## 1102	959.6641	1192.102661	1368.248901
## 1103	1931.8778	1236.919678	1087.180664
## 1104	1578.2800	1569.589966	2195.138672
## 1105	1469.3436	1054.849243	939.836670
## 1106	1087.1788	1301.186523	1399.404785
## 1107	1745.0935	856.860962	1157.866211
## 1108	2544.4578	1013.236206	1108.359985
## 1109	1534.2875	1200.081299	1354.244995
## 1110	2240.2432	683.855713	1117.437378
## 1111	2055.1189	861.673950	872.919495
## 1112	1641.4060	1181.930908	1331.959229
## 1113	2305.1138	863.238586	989.520813
## 1114	1567.3357	793.813599	853.906250
## 1115	2768.1060	1243.767334	2563.162842
## 1116	2253.3899	3373.437012	2155.751465
## 1117	1959.3257	2139.484863	2337.848877
## 1118	2105.4714	804.142090	950.146423
## 1119	2270.8113	1600.965210	2179.461914
## 1120	1835.1174	1111.106689	1472.693726
## 1121	2158.5872	1481.489136	1111.355591
## 1122	2834.0200	1065.515015	955.786011
## 1123	2600.1047	1155.073364	1018.580017
## 1124	2014.5752	1135.054932	1063.419922
## 1125	2150.9417	1498.382935	1378.417114
## 1126	2027.9989	1039.043823	748.261169
## 1127	2337.7654	1880.694824	1734.657349
## 1128	1552.4225	1068.705078	959.596924
## 1129	2865.6553	897.687012	932.778198
## 1130	2857.4114	1222.916016	1022.049683
## 1131	1507.4795	1116.834106	1085.614380
## 1132	1129.8241	1501.069580	1292.659180
## 1133	743.9465	1028.182373	1143.073486
## 1134	944.1942	1328.486816	1816.604126
## 1135	789.7598	1333.526855	1837.041748
## 1136	1122.5560	1055.898438	1688.569824
## 1137	835.5842	1430.843994	1782.689575
## 1138	838.0544	1370.415039	1824.160889
## 1139	758.2223	1472.565552	2063.391357
## 1140	2809.4734	1983.598022	2182.104736
## 1141	1401.5985	1615.193359	2206.746826
## 1142	1349.1611	1567.940674	2089.068115
## 1143	1437.0972	1358.744873	1820.228394
## 1144	1446.8894	1453.552734	1622.400513
## 1145	735.6176	1533.118042	1905.445190
## 1146	2808.7878	1045.198608	1916.188843

## 1147	1422.8595	1723.449585	2166.976318
## 1148	2841.7144	750.715942	1356.423340
## 1149	1533.0243	1656.198120	2133.332031
## 1150	1423.4867	1076.827271	1327.369263
## 1151	1888.0593	1706.018921	2137.350342
## 1152	747.0984	1498.631714	1835.107788
## 1153	2776.2566	1023.918823	1355.699341
## 1154	1418.5892	1464.171875	1931.307495
## 1155	2850.9314	813.660767	1464.002075
## 1156	1488.2163	1329.788452	1591.016724
## 1157	1036.1104	1561.206055	2067.169678
## 1158	1893.7596	1389.227173	1784.718750
## 1159	1508.2689	1261.951416	1587.474976
## 1160	2408.3469	1452.243164	1548.733154
## 1161	1784.9457	1387.814819	1553.156128
## 1162	2327.3047	2206.459229	2568.800781
## 1163	2819.1106	1241.345215	1533.510254
## 1164	2788.6765	956.379883	1371.361084
## 1165	2201.3618	1099.064453	1328.057983
## 1166	2595.6360	1352.807861	2012.813354
## 1167	2825.1860	1608.248779	2022.970825
## 1168	2361.9575	839.116821	1602.130127
## 1169	2286.4163	319.567871	469.039368
## 1170	1106.8868	1442.681641	1772.049683
## 1171	2357.0029	1344.971924	1617.570312
## 1172	2000.7080	1383.082886	1618.149048
## 1173	2342.2686	954.501648	1599.490234
## 1174	2770.9646	43.067459	53.677937
## 1175	2718.4924	346.158173	225.619202
## 1176	2778.8542	550.716614	430.538025
## 1177	2868.1919	600.843018	834.350647
## 1178	2759.5259	3331.151611	1873.463623
## 1179	2795.1238	1900.736450	1253.939697
## 1180	2673.4087	1091.420288	658.761230
## 1181	2541.8799	1820.315552	1643.155640
## 1182	2687.6882	1199.624634	950.264404
## 1183	2849.9841	1409.364014	908.630127
## 1184	2848.7231	1763.953003	1567.319458
## 1185	2844.7070	756.934082	568.538269
## 1186	2608.3420	1432.361938	828.733276
## 1187	2678.4634	1940.201416	1110.488281
## 1188	2495.6082	1136.064575	912.476074
## 1189	2007.8402	1224.697144	1081.284790
## 1190	2424.2854	1480.208252	755.819763
## 1191	2452.2664	1681.434814	1072.942017
## 1192	2850.5964	490.945312	362.691559
## 1193	2862.2942	1074.683716	783.124084
## 1194	2861.3499	1122.091431	603.299500
## 1195	1561.8080	1119.959717	539.603638
## 1196	2780.1516	1219.314209	789.749329
## 1197	2660.4351	1224.769531	756.618652
## 1198	2063.4812	1204.528687	691.103882
## 1199	1267.8940	1739.828247	1441.946167
## 1200	2867.8391	978.111877	626.436096

## 1201	2858.5918	1048.067017	626.805969
## 1202	2857.5654	1001.164246	726.326599
## 1203	2335.5374	685.300232	414.525421
## 1204	2838.6160	568.651917	380.381134
## 1205	1522.0222	869.581238	437.129028
## 1206	1044.8611	1467.506226	1677.628906
## 1207	961.1418	836.777771	743.181824
## 1208	1573.8206	1332.142090	1238.058594
## 1209	1922.6044	920.561218	1150.803589
## 1210	1523.5359	1773.442749	1873.448608
## 1211	1436.8885	1149.363647	1021.469666
## 1212	1336.3945	1309.887573	1266.104614
## 1213	1691.1008	1036.254517	1295.082886
## 1214	2157.3457	1369.002075	1377.403076
## 1215	1330.0677	1163.956787	1082.186523
## 1216	2847.1946	1206.251709	1324.089355
## 1217	2847.7012	744.473145	1172.572876
## 1218	2855.4429	810.236755	1201.554565
## 1219	1610.8149	1442.289917	1715.536987
## 1220	2255.7341	744.359619	989.883179
## 1221	1600.8960	1542.121460	1662.146240
## 1222	1668.3545	1220.963867	2325.246826
## 1223	1682.5773	1406.547974	2301.884521
## 1224	2640.0674	1838.015625	2989.911377
## 1225	2022.3085	1327.831787	1349.199951
## 1226	1191.1644	2058.462891	2872.412598
## 1227	2290.7600	368.916656	412.433868
## 1228	2792.1250	646.719788	703.252136
## 1229	1656.2988	1059.487671	1193.609497
## 1230	1048.4147	1034.422974	1049.713379
## 1231	1035.9841	888.505066	1046.691772
## 1232	1122.4292	842.984070	924.314758
## 1233	954.9954	1155.019409	1563.255371
## 1234	1524.6672	1624.802124	1942.618530
## 1235	910.8793	1373.491333	1751.004028
## 1236	612.1160	1374.556763	1824.406372
## 1237	800.5250	1185.132690	1226.635742
## 1238	2862.4460	406.641113	487.800842
## 1239	1444.0447	1235.488037	1567.164673
## 1240	1042.8046	1196.701660	1406.061035
## 1241	1462.9454	1016.914429	1170.305298
## 1242	790.8214	1218.059082	1419.995239
## 1243	2867.3271	1544.254150	1529.297607
## 1244	1555.3744	1440.732300	1617.545044
## 1245	737.8005	1219.910522	1457.279419
## 1246	1175.6705	1019.370667	1234.483032
## 1247	1131.1932	973.338135	1227.920532
## 1248	1626.5978	1223.048584	1547.235352
## 1249	1185.8428	1202.694824	1271.761719
## 1250	984.0886	1189.876831	1253.811768
## 1251	897.1011	1456.669189	1758.653320
## 1252	1857.6904	1340.760864	1380.046143
## 1253	1632.4830	817.286621	982.841248
## 1254	1784.9385	783.811646	1088.694580

## 1255	1586.3726	893.389526	1169.863281
## 1256	2845.9016	1192.712769	1159.051880
## 1257	2809.7683	961.140442	1426.367432
## 1258	1933.9458	1513.608398	1893.546753
## 1259	1098.7230	1136.634155	1461.340698
## 1260	1215.5757	1133.674561	1396.434326
## 1261	1188.9117	1227.127319	1446.931763
## 1262	600.9658	1169.236206	1435.744751
## 1263	1679.2555	711.969299	858.013794
## 1264	756.8782	1103.039917	1368.996094
## 1265	1277.8998	1219.362671	1386.261719
## 1266	757.8955	1458.729858	1718.439453
## 1267	2864.6038	1840.203247	1663.697510
## 1268	1403.8606	1304.428589	1545.122925
## 1269	2440.0112	828.604797	580.492981
## 1270	2585.2075	963.810242	625.383911
## 1271	2364.2646	601.493103	333.989258
## 1272	2749.4736	512.921753	323.494080
## 1273	2582.2229	841.171082	566.988708
## 1274	2604.4685	728.116516	532.108215
## 1275	2761.4497	783.793640	534.533813
## 1276	2852.8101	689.254578	552.246887
## 1277	2253.6221	693.311401	492.341553
## 1278	2838.7673	1005.861267	756.217590
## 1279	2860.4446	812.819458	487.128601
## 1280	2571.4929	927.796204	600.079468
## 1281	2468.4775	920.808655	560.353699
## 1282	2305.4739	641.474487	337.283203
## 1283	2026.6903	896.547974	599.205322
## 1284	2111.4719	818.994690	483.778137
## 1285	1800.7783	1543.079712	1845.453979
## 1286	1699.0592	1570.039429	3089.774414
## 1287	1897.5585	1371.706055	1061.878174
## 1288	2606.6409	1076.520508	987.864197
## 1289	1354.7699	1312.229858	932.211731
## 1290	1961.9998	1076.628906	1083.287476
## 1291	2804.8892	232.779114	715.631714
## 1292	2634.8911	794.177307	797.653503
## 1293	2871.9707	629.796936	708.685303
## 1294	2331.6790	558.259583	599.318420
## 1295	2882.7312	655.391663	833.904236
## 1296	2885.0239	449.544373	495.934296
## 1297	2893.5806	707.476746	980.266663
## 1298	2254.3086	1081.992554	755.371826
## 1299	2009.9218	1152.375244	1365.330688
## 1300	2442.3562	1804.411865	1125.378784
## 1301	2811.1030	1425.520020	946.826416
## 1302	2855.5945	1361.589966	1193.749756
## 1303	1991.4611	1090.167725	606.261902
## 1304	2420.5447	1633.335693	962.190491
## 1305	2730.1863	842.280029	576.035767
## 1306	2591.8789	930.696228	642.059692
## 1307	2597.1467	1016.149536	687.458618
## 1308	2313.2007	930.995483	603.891602

## 1309	2648.9841	1080.624390	552.792297
## 1310	2634.6855	1434.432373	1063.661743
## 1311	2896.0190	963.735840	622.350037
## 1312	2385.9766	791.829346	480.312286
## 1313	2882.1165	901.538513	761.113831
## 1314	2253.2087	807.625854	527.381958
## 1315	2389.0916	1027.989502	775.461548
## 1316	1330.3064	1114.120239	647.039001
## 1317	2457.7979	1199.057983	911.902588
## 1318	2832.1272	606.166199	677.576599
## 1319	2824.9597	1319.843872	811.720581
## 1320	2184.1062	820.930908	1010.897827
## 1321	1685.7499	838.917908	1132.385742
## 1322	2795.7646	348.379028	320.052917
## 1323	2260.9277	582.777283	562.212280
## 1324	2197.8877	1062.977783	1300.362671
## 1325	2363.8079	1810.057495	1950.181030
## 1326	2582.8003	2455.365234	2461.000244
## 1327	2448.7131	1098.170044	1009.925720
## 1328	1494.9192	1688.434814	1963.558350
## 1329	1403.8285	1477.860474	1402.517090
## 1330	1683.9153	1309.558105	1126.808350
## 1331	1989.7435	1073.831055	1054.809082
## 1332	1917.8737	1331.412598	1245.185303
## 1333	1888.6298	816.475403	749.257751
## 1334	2780.7866	0.001307	0.000873
## 1335	785.9473	915.196716	1483.184204
## 1336	2842.3979	1283.334473	1564.825073
## 1337	1040.5511	1314.997314	1688.695435
## 1338	1206.6801	1236.793823	1484.406372
## 1339	736.3720	1229.418335	1619.530029
## 1340	853.3428	1341.751587	1802.372314
## 1341	900.4669	1294.786987	1898.822632
## 1342	1226.7799	1109.838379	1609.362915
## 1343	1183.0754	1205.768433	1721.454712
## 1344	926.7134	1058.052734	1640.374512
## 1345	808.9492	1212.249268	1710.864624
## 1346	457.2175	1253.743530	1816.716431
## 1347	947.0208	886.792236	1572.050293
## 1348	2564.3643	0.003518	0.001725
## 1349	2325.3286	2.581522	8.832368
## 1350	1164.6862	911.034729	1401.034302
## 1351	533.0489	27.588366	261.079559
## 1352	2735.4668	0.001302	0.000733
## 1353	2738.8528	0.001358	0.000747
## 1354	2500.9905	517.705811	504.662018
## 1355	2356.1499	427.378784	798.612610
## 1356	2214.4983	1094.904297	1102.196289
## 1357	1885.4482	1186.372314	972.961792
## 1358	2864.2151	606.643311	693.895996
## 1359	1054.1044	1360.954468	1708.472900
## 1360	957.1916	1219.277466	1193.828247
## 1361	1552.7465	1186.241455	1305.306152
## 1362	1902.4113	1053.473755	946.950867

## 1363	1524.2101	1202.419678	1182.024536
## 1364	1437.6929	1403.477661	1677.808838
## 1365	1337.9265	1355.206177	1606.536255
## 1366	1704.2225	1214.177734	2224.069580
## 1367	2141.2463	1650.621582	2560.380859
## 1368	1322.9572	1341.655640	1921.391724
## 1369	951.6405	1548.216553	2408.165527
## 1370	1018.4287	683.967834	628.987305
## 1371	998.4692	616.017273	575.229553
## 1372	823.7952	655.468079	466.876740
## 1373	2656.1267	455.672272	550.903442
## 1374	2034.4334	343.024078	607.098755
## 1375	2904.2371	0.247825	0.438648
## 1376	2742.3188	1163.271851	1335.468994
## 1377	2743.1182	2104.442139	2888.784668
## 1378	2471.7344	1621.092773	1599.486572
## 1379	1683.4974	1399.248657	1089.000366
## 1380	2863.2207	964.359192	843.460327
## 1381	1815.3927	1440.705811	1530.219360
## 1382	1059.2473	1349.799561	1375.136230
## 1383	957.5150	1169.637207	1158.814453
## 1384	1546.2313	1348.824829	1476.327637
## 1385	1902.7655	1170.008667	1183.498657
## 1386	1529.9132	1135.274902	1052.663452
## 1387	1438.1849	1350.884521	1629.480103
## 1388	1338.8198	1229.586548	1423.214111
## 1389	1697.5133	1458.180542	2416.117188
## 1390	2145.6067	1161.082642	2031.137817
## 1391	1342.7289	1319.684448	2021.746094
## 1392	1843.6321	1921.229492	1978.614258
## 1393	2889.3921	4805.203125	4496.180664
## 1394	1078.8040	663.933167	748.569885
## 1395	654.9261	853.580383	1334.184937
## 1396	2836.4211	142.112213	354.454315
## 1397	882.7003	1132.753662	1608.199097
## 1398	614.7406	1497.232178	1808.283081
## 1399	788.1387	1498.374146	1832.246826
## 1400	711.8848	1004.454407	1571.278687
## 1401	902.5543	1253.704468	1870.059937
## 1402	1115.2516	1010.923279	1417.306519
## 1403	1012.2648	1319.120850	1845.063599
## 1404	886.6029	1255.122314	1712.745728
## 1405	2839.3030	798.363403	1166.773926
## 1406	1613.0177	1298.031250	1850.164795
## 1407	1010.3511	1212.398560	1681.422485
## 1408	2732.7368	642.500427	864.710144
## 1409	825.7769	1097.885620	1526.212158
## 1410	869.3588	1696.610596	1979.583618
## 1411	920.4919	1114.260986	1629.277100
## 1412	1924.2804	1050.239380	1282.058228
## 1413	1031.4012	1284.500610	1820.599854
## 1414	1003.9680	1187.006104	1700.598755
## 1415	1445.9849	1064.286987	1584.330200
## 1416	1239.8726	1326.286865	1673.411377

## 1417	1171.6934	1056.543823	1488.941040
## 1418	1041.6262	1262.869019	1838.291992
## 1419	900.8667	1395.768066	1860.800171
## 1420	780.5111	1677.983887	1720.712158
## 1421	853.3641	1484.528198	1773.288452
## 1422	2823.6719	1622.621582	2182.666016
## 1423	2530.2654	2075.483398	3039.723633
## 1424	2835.8535	1097.361084	1629.284058
## 1425	2842.2214	737.044556	1192.258667
## 1426	2863.6111	257.113892	514.724182
## 1427	2333.3752	724.487976	517.818787
## 1428	2758.3320	162.728333	210.494492
## 1429	1498.4608	434.871460	276.942017
## 1430	1590.5853	1421.777222	1360.628052
## 1431	1580.5869	1529.407837	1614.494995
## 1432	2707.4895	1737.199463	1329.770874
## 1433	1510.2671	1366.661621	1157.046997
## 1434	1437.3346	912.483398	799.833435
## 1435	1976.3740	1079.433594	1038.557251
## 1436	1558.8542	1370.326904	1371.642334
## 1437	2858.0825	1162.810791	924.238220
## 1438	1638.5142	1537.039307	1508.890747
## 1439	2875.1824	660.694519	483.197906
## 1440	1027.6675	1854.123901	2489.726318
## 1441	1318.2444	1240.075439	948.479431
## 1442	2216.0886	987.173767	1323.834351
## 1443	1839.3082	1035.444092	1199.257324
## 1444	1811.6676	1505.958618	2035.191772
## 1445	1780.2069	1295.416626	1189.976807
## 1446	1451.7363	1316.567993	1263.383667
## 1447	1579.2051	1625.711426	1052.087646
## 1448	1703.8643	1546.980347	1112.341553
## 1449	2278.1599	1086.852539	1149.792236
## 1450	1476.7568	1094.264160	962.064941
## 1451	1166.8663	1783.304688	1620.453857
## 1452	2861.8391	1489.369141	1392.536133
## 1453	2850.5989	674.727722	526.281250
## 1454	2013.6827	797.780029	433.279755
## 1455	2833.6968	1450.948242	847.419128
## 1456	2763.4644	1352.585815	992.251770
## 1457	2748.6265	762.343079	635.037842
## 1458	2508.0120	1390.437622	1487.584229
## 1459	1680.0865	1450.910767	1751.485352
## 1460	2840.4163	1141.334106	1008.241943
## 1461	1818.6417	1282.536255	1097.194702
## 1462	2487.9062	1259.407837	1440.562988
## 1463	2509.8518	1502.847900	1600.714966
## 1464	1883.1904	1285.146484	1246.167480
## 1465	2868.8167	721.683716	626.370056
## 1466	2713.0754	1095.442383	902.101624
## 1467	2840.7861	764.607300	1394.254761
## 1468	1668.7987	921.267639	1196.505493
## 1469	2066.0461	1723.123291	1668.759521
## 1470	2739.1943	1489.333130	1164.831665

## 1471	2039.6935	1431.562866	1263.279053
## 1472	2474.2324	1343.196289	1127.228516
## 1473	1329.7406	1237.455444	1033.323608
## 1474	1299.8669	1220.294189	1381.277954
## 1475	1878.5778	1147.066406	1635.579346
## 1476	1804.5842	1250.746216	1181.554321
## 1477	2673.4814	1187.849731	1366.436157
## 1478	2202.4695	1024.163940	2387.896240
## 1479	2138.4329	1740.314575	1441.281128
## 1480	1728.6732	1167.016479	1112.382324
## 1481	1196.5815	1232.730713	1401.644165
## 1482	1974.1256	1166.375366	1183.410278
## 1483	1562.3210	1234.528809	1312.943848
## 1484	1780.0483	1287.125000	1518.457397
## 1485	944.9426	1040.481079	1205.799316
## 1486	1011.5737	766.335999	744.922729
## 1487	998.6763	584.359192	562.823730
## 1488	825.2164	671.358276	505.876404
## 1489	1901.9242	579.298889	381.454010
## 1490	2848.2134	523.886597	373.827972
## 1491	1885.9442	523.695374	552.412720
## 1492	1282.3746	560.180786	1320.891479
## 1493	2447.4336	1191.775757	1602.321777
## 1494	1156.1322	1141.598389	1803.267334
## 1495	732.9771	1329.979614	1648.484253
## 1496	946.3701	1262.772583	1727.614258
## 1497	1501.2089	1038.950562	1576.295776
## 1498	1494.2228	1393.759277	2220.127930
## 1499	1421.7078	1191.789673	1567.166138
## 1500	739.1872	1443.435303	1852.368408
## 1501	1266.1023	1193.818604	1652.668579
## 1502	1975.3707	1404.983154	1828.293945
## 1503	1443.1747	1415.815308	2000.607666
## 1504	1259.9478	1227.324463	1612.394287
## 1505	1569.3531	1090.313232	1502.438721
## 1506	1313.5609	1010.546814	1448.440552
## 1507	570.6708	1403.244873	1803.434326
## 1508	1172.3617	1471.705811	1851.949829
## 1509	842.3309	1593.310547	2247.627930
## 1510	1237.8990	1824.144043	1978.461914
## 1511	959.3828	1588.217896	2070.942139
## 1512	1210.8014	2000.030029	2715.757812
## 1513	1623.7784	1806.760254	2351.104492
## 1514	1317.1672	1269.982788	1817.935913
## 1515	719.2951	1479.037354	2220.495605
## 1516	1120.7124	1235.268066	2322.086182
## 1517	948.3165	1468.636597	1979.234497
## 1518	1115.9899	1471.147827	2144.431396
## 1519	1021.1732	1843.362915	2612.524414
## 1520	1174.5496	1754.767700	1993.475586
## 1521	1051.1923	1402.630737	2129.368164
## 1522	1270.3005	1826.077393	2340.378662
## 1523	1804.8467	1009.945984	1392.101562
## 1524	2370.3022	1858.235474	1629.326050

## 1525	1474.7051	1394.593140	1670.869873
## 1526	720.4932	1561.748657	2124.389160
## 1527	1037.2869	1628.154907	2289.892578
## 1528	840.6567	1601.982178	2004.625610
## 1529	853.0724	1700.256348	2549.601562
## 1530	2296.5183	970.073364	2001.657593
## 1531	1191.2632	1470.674927	2027.643921
## 1532	1373.2244	1288.392944	1978.991699
## 1533	788.3270	1433.839722	1688.260132
## 1534	698.3156	1500.072144	1795.222900
## 1535	591.6749	1414.058838	1770.106934
## 1536	500.7989	1471.635620	1880.019775
## 1537	549.3840	1309.791992	1791.240845
## 1538	473.0498	1378.788208	1785.748779
## 1539	378.5528	1402.261963	1850.991821
## 1540	2263.2532	1422.468018	1805.984497
## 1541	1045.2145	1653.078735	1874.156250
## 1542	343.3799	1483.574463	1822.634033
## 1543	2828.9924	368.116669	785.270447
## 1544	2859.9116	161.562363	122.769836
## 1545	2843.6189	1130.394531	1467.040527
## 1546	2829.7197	1120.857544	1345.221191
## 1547	2348.5259	1209.151611	1474.992676
## 1548	1062.9443	827.815002	1150.438721
## 1549	2828.8013	626.892151	550.393921
## 1550	739.4128	1050.133789	1221.061890
## 1551	2816.9377	566.327454	1138.390625
## 1552	1502.3860	892.733337	1271.689209
## 1553	2469.2759	913.046570	1122.152466
## 1554	2845.8821	1117.248657	1714.859497
## 1555	1881.2045	964.691467	1893.513794
## 1556	2508.2009	774.857544	1362.895874
## 1557	2251.7361	933.265320	1370.092163
## 1558	1782.5742	1214.069214	1433.517944
## 1559	1430.1084	1103.281006	1430.028076
## 1560	949.8188	943.386719	1442.328979
## 1561	865.5178	1123.193359	1591.842285
## 1562	2827.7549	240.689285	393.787354
## 1563	696.7705	1104.254639	1593.954956
## 1564	580.0942	980.885498	1624.613770
## 1565	2816.8953	1189.197876	1565.014160
## 1566	686.1484	918.040710	1346.673462
## 1567	1099.2278	1232.145874	1619.153442
## 1568	667.3373	1203.394165	1652.604126
## 1569	2006.6533	991.568420	1639.460449
## 1570	991.3849	976.007324	1567.850708
## 1571	1676.3679	1638.258667	1947.256226
## 1572	2309.1394	1128.301147	2260.104004
## 1573	2199.9900	1485.007568	1776.506470
## 1574	1189.1051	1481.089478	1839.100830
## 1575	2727.0476	1032.956299	1721.879028
## 1576	575.3514	1322.585083	1804.749756
## 1577	992.3423	1384.020752	2191.162598
## 1578	444.1302	1214.786865	1908.479126

## 1579	757.8110	1094.921509	1841.830078
## 1580	2848.0210	993.878784	1631.600708
## 1581	1412.9600	1401.321533	2166.047852
## 1582	2832.6941	1488.899048	1865.058472
## 1583	1513.5797	996.839905	1532.135742
## 1584	1459.7616	1040.168945	1418.479614
## 1585	1450.6633	1456.732056	1471.979980
## 1586	1723.0643	899.870422	1409.866211
## 1587	615.0538	991.551147	1649.465942
## 1588	744.2338	1045.935059	1614.145874
## 1589	889.2982	1143.182007	1734.766113
## 1590	2819.3972	1213.826294	2017.681885
## 1591	898.4518	1001.359680	1645.951294
## 1592	377.8854	1062.877563	1639.942627
## 1593	891.7114	1113.230835	1754.295166
## 1594	343.4382	1029.668335	1681.347778
## 1595	2366.5933	772.798828	1558.201416
## 1596	1112.0903	1094.910645	1535.800293
## 1597	612.0454	371.000702	985.748291
## 1598	2543.9341	1360.604004	1204.616089
## 1599	2773.4690	761.001343	1416.333740
## 1600	2257.2007	1513.599487	1710.406250
## 1601	477.1125	1099.161377	1682.673096
## 1602	917.3812	980.750854	1460.600464
## 1603	904.0604	1342.822388	1604.058838
## 1604	527.8966	1232.262573	1640.608521
## 1605	1248.4918	1468.088379	1751.557495
## 1606	1254.7632	1170.518677	1681.106323
## 1607	1396.6731	1141.299438	1391.476929
## 1608	915.3136	1155.467773	1729.675415
## 1609	644.7816	1202.220581	1737.101440
## 1610	1278.9552	1158.864136	1604.798828
## 1611	1474.3403	1482.845215	2206.607910
## 1612	1392.3699	860.182678	1359.788330
## 1613	1197.5475	814.330994	1377.739014
## 1614	750.3098	1183.404907	1648.711060
## 1615	789.1949	1304.513672	1610.290894
## 1616	1548.1250	1095.746704	1241.092529
## 1617	562.1573	1210.000244	1647.818970
## 1618	962.2919	1018.516113	1572.239746
## 1619	1920.3740	1157.984619	1421.039307
## 1620	1657.2463	1103.039917	1834.088867
## 1621	1702.7578	1257.458862	1816.753540
## 1622	838.4974	819.305359	1293.916504
## 1623	1415.2572	587.567139	1078.500977
## 1624	976.6086	973.952332	1274.160278
## 1625	690.3886	1023.416565	1546.138062
## 1626	1017.4568	1170.038574	1461.867920
## 1627	498.6868	1191.175781	1602.787598
## 1628	825.7741	1261.353760	1720.655151
## 1629	599.0371	1308.384155	1750.870728
## 1630	1155.0668	1133.864380	1665.372192
## 1631	767.6297	1273.132080	1690.038452
## 1632	1236.0538	990.615417	1356.465332

## 1633	1576.3374	1617.465088	1815.148438
## 1634	1043.5289	1125.719971	1431.557007
## 1635	1324.2523	1129.471069	1394.210693
## 1636	579.8910	1182.289429	1650.471924
## 1637	1628.2650	960.331421	1689.165161
## 1638	1283.7655	763.081726	1433.859009
## 1639	1130.8818	717.244507	888.920471
## 1640	1397.0323	1217.080933	1472.728760
## 1641	927.1575	936.137451	1312.887207
## 1642	410.3436	1156.771484	1573.362427
## 1643	1133.1021	822.558533	1380.507568
## 1644	780.7676	1123.339111	1520.874756
## 1645	860.3041	1307.081421	1476.457275
## 1646	662.7103	1212.205078	1621.233887
## 1647	1360.3831	1177.739990	1586.443726
## 1648	554.1441	1198.995728	1609.880127
## 1649	1438.5120	802.712830	1193.599731
## 1650	346.3203	1109.419678	1537.067261
## 1651	1833.4666	1271.188110	1542.549683
## 1652	930.3617	941.569763	1359.978027
## 1653	759.1308	915.954163	1421.243896
## 1654	2875.6313	383.116821	579.440918
## 1655	1416.5311	1627.333008	2300.285400
## 1656	2842.4578	557.033447	1620.008057
## 1657	1514.8662	1274.855835	1760.723755
## 1658	2310.8054	990.967773	1611.962036
## 1659	1612.6221	1364.877441	1736.139771
## 1660	1285.0146	1092.860718	1572.091797
## 1661	842.8521	952.591980	1494.195801
## 1662	1498.4282	1200.923706	1946.891357
## 1663	552.4188	1190.371582	1814.322266
## 1664	1824.5157	977.719482	1393.729370
## 1665	782.7818	1186.458496	1586.010986
## 1666	687.4249	1208.460449	1488.974609
## 1667	474.8300	1076.925781	1534.404175
## 1668	2813.7559	854.836548	1677.592896
## 1669	1033.5348	1023.996460	1403.039185
## 1670	1314.5371	1062.334839	1623.507324
## 1671	1311.6963	1158.117920	1583.138794
## 1672	1446.4513	1307.765259	1527.252197
## 1673	1771.4503	1117.533447	1387.994019
## 1674	1019.6407	1206.261108	1943.011353
## 1675	1768.0905	1190.192871	2087.452881
## 1676	948.2669	1202.179077	1409.333130
## 1677	2261.1245	1326.748291	1738.158203
## 1678	1544.6909	1043.122314	1405.051514
## 1679	803.6679	1182.557739	1252.517456
## 1680	702.4978	1108.126953	1520.888428
## 1681	638.1147	1537.225220	1888.841431
## 1682	745.1367	941.326660	1169.145630
## 1683	1652.7852	866.993469	1008.452881
## 1684	713.1027	993.692871	1297.849487
## 1685	1241.3221	1236.882690	1806.881836
## 1686	642.8571	1357.075317	1848.159058

## 1687	560.2989	1335.370850	1786.702271
## 1688	993.9690	1321.218018	1794.595703
## 1689	1393.1112	1137.641968	1628.199585
## 1690	1591.2921	1487.998413	1732.554565
## 1691	1346.9055	1073.135498	1711.979126
## 1692	1001.3856	1059.906372	1164.104004
## 1693	1144.1688	964.539001	1254.844604
## 1694	1471.9761	1341.413818	1539.709229
## 1695	732.8450	1193.911133	1693.088989
## 1696	570.1501	886.701782	1536.487305
## 1697	2871.2930	876.114014	1106.634521
## 1698	1500.7695	524.564514	660.072571
## 1699	2345.4502	214.674347	141.411819
## 1700	2864.2627	421.019409	325.175873
## 1701	1858.3806	1441.324829	1290.365234
## 1702	2467.8096	809.879333	955.510620
## 1703	2233.6116	1105.110229	1047.591309
## 1704	1821.6316	1184.368774	1338.120605
## 1705	1449.5286	1268.799194	1613.178955
## 1706	1104.7439	1445.810425	2022.819702
## 1707	1269.3461	1069.076050	1432.761841
## 1708	748.5444	1242.945312	1847.926025
## 1709	1306.2087	985.462463	1441.159912
## 1710	960.8391	1036.220947	1445.550049
## 1711	1973.0894	935.236145	1319.545410
## 1712	1576.2073	1336.440063	1527.938599
## 1713	1544.1537	1096.191895	1603.173462
## 1714	1364.0608	871.421265	1549.165039
## 1715	1224.4144	996.774780	1554.125610
## 1716	1116.6228	1262.176270	2096.727051
## 1717	2391.9729	968.043823	1873.717773
## 1718	417.6554	1142.496094	1674.981567
## 1719	1285.9302	1150.178223	2148.730225
## 1720	790.2670	1356.970459	1784.926270
## 1721	585.8438	1181.404907	1584.414917
## 1722	839.2878	1504.443726	2004.206055
## 1723	1306.5205	1445.466064	2317.324707
## 1724	765.7178	1911.240479	2416.755127
## 1725	2770.5703	702.970093	657.351562
## 1726	2556.9053	361.763794	458.744080
## 1727	2847.9316	1296.776001	1487.251099
## 1728	2856.1108	769.020020	856.849854
## 1729	2871.3264	692.391296	710.660889
## 1730	724.0583	1082.133179	973.657959
## 1731	2660.9397	197.509415	149.881790
## 1732	2487.2607	708.687378	1061.308716
## 1733	2185.6035	1091.363159	1106.166138
## 1734	2813.3999	1405.315430	1688.128784
## 1735	1783.9159	1224.001221	1220.111938
## 1736	2147.6248	1218.913330	1484.586304
## 1737	2689.9001	1121.992676	1557.155884
## 1738	2803.4316	1004.901978	915.453491
## 1739	1944.9769	1280.716064	1416.241211
## 1740	2712.9626	808.555725	737.399780

## 1741	2880.8066	755.853149	787.329773
## 1742	2180.8928	1125.284424	1015.209351
## 1743	1764.6066	1570.429565	1494.795532
## 1744	2014.8857	1017.334961	1326.713745
## 1745	2787.5083	1430.749756	1437.182739
## 1746	2878.7954	832.414612	1192.708252
## 1747	1403.2948	1070.000977	1022.324768
## 1748	1959.3889	1280.572021	1423.904175
## 1749	2523.7542	1552.704956	1458.242432
## 1750	2856.2485	1182.563477	1175.259033
## 1751	2845.8320	1416.767456	1456.627319
## 1752	2867.5508	879.622559	1054.734619
## 1753	1587.3442	1243.937012	1410.359985
## 1754	1831.0037	1261.046875	1294.788452
## 1755	1948.9093	1195.828979	1239.626587
## 1756	1918.9347	1341.159790	1331.833374
## 1757	2486.7295	1058.997192	1396.771484
## 1758	2177.8154	756.110291	1159.358032
## 1759	2797.1279	985.383118	907.359436
## 1760	2600.3391	701.082520	667.701965
## 1761	2004.6422	1127.883911	1201.766235
## 1762	2649.7087	519.120789	577.559509
## 1763	2836.1587	1198.075073	721.228088
## 1764	2126.8088	719.678223	573.595398
## 1765	2731.3325	600.196777	585.071167
## 1766	2650.3191	928.007080	906.523071
## 1767	2792.3394	615.192688	344.168427
## 1768	2740.6345	929.043396	754.363586
## 1769	2761.2300	563.084106	357.757202
## 1770	2817.2256	669.502197	514.412964
## 1771	2626.8118	439.506134	482.922974
## 1772	2752.0608	523.296448	502.604980
## 1773	2884.1228	904.539734	780.994934
## 1774	2736.6804	774.252625	733.388855
## 1775	2712.5830	755.990967	826.289429
## 1776	2860.6018	740.545349	597.471558
## 1777	2428.2424	713.612793	649.888733
## 1778	1831.6353	670.666565	442.869659
## 1779	1062.4211	1230.295532	1415.369873
## 1780	957.7518	1239.100830	1231.778931
## 1781	1555.9651	1283.786499	1355.872070
## 1782	1902.1390	1145.434082	1098.968750
## 1783	1519.9818	1171.610962	1181.331421
## 1784	1437.6802	1404.821533	1554.475464
## 1785	1343.1786	1370.253174	1645.005371
## 1786	1691.5120	1355.745728	2440.053467
## 1787	2159.8210	1702.455933	2451.750488
## 1788	1340.2292	1291.408447	1902.115601
## 1789	2844.1172	1255.184448	1525.590210
## 1790	2035.5276	4081.496094	3972.410645
## 1791	2825.5100	1432.091064	1216.742920
## 1792	2785.3582	219.204300	799.473633
## 1793	758.4427	1053.647217	1633.484497
## 1794	940.2149	1025.719971	1446.399902

## 1795	559.7637	1195.317139	1738.872803
## 1796	423.8851	1078.129761	1722.822144
## 1797	1417.4524	1268.989624	2047.133789
## 1798	2198.8315	928.086548	1570.239258
## 1799	1898.6344	966.564636	1552.161621
## 1800	2459.4912	889.297607	918.025391
## 1801	2010.0684	646.484375	1219.281738
## 1802	2041.9344	1081.542236	1626.864502
## 1803	1195.0345	604.066406	1449.484619
## 1804	2812.6375	1275.610596	1628.528320
## 1805	535.1151	1194.702637	1732.182129
## 1806	1592.6644	1282.095825	1673.659180
## 1807	1362.6970	787.883789	1316.460449
## 1808	1159.1451	986.472229	1770.558716
## 1809	1039.0599	841.614563	1589.091187
## 1810	924.8132	1256.067871	1975.651245
## 1811	1144.0692	1487.108032	2062.783936
## 1812	433.6195	1516.169189	2038.823730
## 1813	1088.3032	1299.841064	1805.296997
## 1814	1781.9813	1349.289917	2289.159180
## 1815	1280.0074	1319.658203	1972.471313
## 1816	1658.5093	1238.273804	2322.397461
## 1817	1262.5254	1409.540527	2279.931152
## 1818	608.4731	1374.767822	1930.003296
## 1819	518.1577	1477.567749	1906.387329
## 1820	1951.9695	1465.827271	2101.339844
## 1821	820.7894	1381.352051	2106.468506
## 1822	1439.7711	1282.994507	2103.154785
## 1823	1350.7980	1212.931030	1734.023071
## 1824	2820.5569	1783.210693	2900.368164
## 1825	2400.8796	1004.201965	1128.372437
## 1826	2806.4390	814.003418	788.253479
## 1827	1988.5813	1186.208130	1002.380127
## 1828	2587.4324	879.590088	565.010620
## 1829	2880.5640	1145.530029	1099.447266
## 1830	2876.7517	885.377502	601.760803
## 1831	2284.4558	342.146973	455.802002
## 1832	1682.9130	1550.290771	1458.462524
## 1833	2796.8904	485.274261	750.463684
## 1834	2267.9565	696.312073	595.168945
## 1835	2207.6082	863.091431	1318.363892
## 1836	2304.9592	950.811584	1293.023926
## 1837	2495.0654	512.657410	1003.791748
## 1838	2414.3611	1659.447876	1914.533569
## 1839	1499.6121	1867.571289	1885.435303
## 1840	1400.6307	1640.175049	1915.353638
## 1841	1685.2551	1533.621338	1820.100464
## 1842	2871.2554	1221.854980	1242.040039
## 1843	2232.7959	1184.342651	1151.592041
## 1844	2382.6567	1282.608398	1033.523071
## 1845	2249.2803	1004.522095	900.052979
## 1846	1619.5665	1221.518921	1435.054199
## 1847	2404.8218	1516.101929	1234.365234
## 1848	2510.1030	1023.346313	913.754822

## 1849	1885.7625	927.719971	1612.516846
## 1850	2895.8835	3191.613037	2940.975098
## 1851	2704.8884	710.979492	1247.621948
## 1852	2823.6074	490.539551	747.659546
## 1853	1668.9413	1407.088013	1606.347290
## 1854	2086.8137	1491.855225	1154.761719
## 1855	2743.0642	1547.585205	1134.746338
## 1856	2047.8184	1187.268311	1073.225098
## 1857	2473.9014	1174.690796	843.608276
## 1858	1325.6492	1205.425659	1082.737427
## 1859	1305.3376	1319.379639	1558.158447
## 1860	963.8723	1201.854248	1514.107544
## 1861	1935.0383	1364.763306	1277.067017
## 1862	1566.7629	1149.088501	1476.567383
## 1863	1458.4896	1132.161621	1320.207031
## 1864	1082.9865	1070.770752	1183.543457
## 1865	1039.6704	1589.920776	2387.015137
## 1866	1322.7322	1708.908813	1185.987305
## 1867	2194.6008	915.416809	1340.445679
## 1868	1840.3071	1109.317627	1360.006348
## 1869	1821.4907	1155.601807	1115.538574
## 1870	1768.9379	1555.995361	1837.450439
## 1871	1456.7268	1215.895020	1236.289551
## 1872	1570.7341	1543.323242	1137.836548
## 1873	1716.9092	1671.127441	1142.152832
## 1874	2254.2268	1231.512329	1139.300293
## 1875	1483.9636	1052.795410	967.011536
## 1876	1160.5662	1824.736328	1563.212524
## 1877	2848.5989	842.912598	1120.054321
## 1878	2860.8640	1034.745483	1025.682739
## 1879	1550.3264	1099.173950	653.939514
## 1880	704.1163	1157.348755	1628.294922
## 1881	1330.9727	1179.664185	1622.672974
## 1882	1274.2461	1085.853760	1569.268311
## 1883	988.7289	1396.858154	1801.008789
## 1884	967.9922	1408.185181	1812.089844
## 1885	1026.0381	1513.849976	1612.947998
## 1886	970.5589	1556.461182	1824.457642
## 1887	1092.7960	1400.902832	1400.430664
## 1888	1273.5133	1205.286621	1391.302368
## 1889	1405.8253	1353.615479	1651.374023
## 1890	1871.0222	1721.141968	2099.377686
## 1891	1620.1768	1057.246704	1267.576660
## 1892	2614.8184	975.966064	887.981201
## 1893	928.0756	1482.676270	1903.448242
## 1894	1114.6368	1569.606079	1966.868774
## 1895	867.9435	1327.635986	1421.309570
## 1896	1193.6918	1228.672729	1424.636353
## 1897	1137.3104	859.512268	1256.427246
## 1898	1446.4652	1336.650146	1730.408325
## 1899	596.9815	1453.539673	1862.462402
## 1900	1265.5804	1259.677002	1760.830444
## 1901	778.8682	1474.712402	1902.087402
## 1902	1365.4529	1452.279785	2169.977051

## 1903	746.5681	1532.101318	2002.780396
## 1904	1093.6681	1323.052734	1891.301270
## 1905	1621.2611	1329.501709	1903.859375
## 1906	1210.1965	1549.610718	1711.433105
## 1907	1428.0149	1253.390259	1843.430664
## 1908	1819.7371	1295.666382	1697.221436
## 1909	2655.2798	1029.004150	1339.408447
## 1910	2759.7566	1484.388550	1352.033447
## 1911	2529.4214	1079.305176	850.471497
## 1912	2294.7080	860.677979	672.886780
## 1913	2247.1790	315.538879	574.666687
## 1914	2861.3196	2206.141113	2498.381104
## 1915	2832.7126	2007.417847	1522.134644
## 1916	2838.3887	1657.466919	1802.813599
## 1917	2304.5803	1057.908691	653.237244
## 1918	2804.0171	917.912354	825.428833
## 1919	2284.6404	1076.995361	1215.210938
## 1920	2836.2373	1084.792969	988.206482
## 1921	2818.1042	1523.892090	1504.341553
## 1922	2684.8611	838.179932	1016.102234
## 1923	2140.5278	898.973755	634.706055
## 1924	2434.1753	1002.713379	902.484253
## 1925	2842.3232	847.138977	1201.259888
## 1926	2833.9595	1156.000000	1092.238647
## 1927	2002.8903	1373.960083	1409.419189
## 1928	2153.0684	1060.951538	1190.231323
## 1929	2492.9629	1158.195435	1446.475830
## 1930	2246.0222	1513.844849	1771.835205
## 1931	2832.4722	882.314331	1087.103638
## 1932	2787.4041	777.109375	679.157410
## 1933	2759.7625	758.330139	886.617920
## 1934	2485.1172	1326.747070	1490.478271
## 1935	1685.0222	1128.673950	1299.247559
## 1936	2837.0298	1312.448730	1953.117554
## 1937	1823.6317	1386.011963	1270.993286
## 1938	2857.9648	1370.890259	1196.751221
## 1939	2853.3325	1165.100098	874.137024
## 1940	2857.4470	946.578430	858.349487
## 1941	1608.5962	1330.190063	1415.911133
## 1942	2266.4719	1100.787354	1014.421082
## 1943	1613.8885	948.719910	908.426575
## 1944	1654.0884	595.966736	641.307373
## 1945	1683.7367	1110.223755	1156.804810
## 1946	2595.6570	622.261841	757.152161
## 1947	2012.1108	830.891907	956.203125
## 1948	1183.4334	1050.871826	978.402100
## 1949	2815.7117	728.115112	883.073792
## 1950	986.7568	952.382202	1084.730469
## 1951	989.7214	901.471252	926.496948
## 1952	985.1870	672.028503	633.831604
## 1953	833.4910	643.711243	519.834290
## 1954	2869.5659	675.763977	539.435059
## 1955	2295.3254	593.942505	439.377716
## 1956	2849.8811	510.946838	424.179596

## 1957	2314.0903	585.379150	357.095581
## 1958	2839.8406	514.692200	394.330444
## 1959	2214.9902	469.223145	498.853455
## 1960	2141.9109	489.409912	632.443909
## 1961	1435.6130	807.607849	1273.364136
## 1962	1145.4858	879.226929	1090.665161
## 1963	1117.4656	1012.982788	1073.096436
## 1964	865.2557	1364.795044	1638.913330
## 1965	876.4069	1298.102539	1406.730835
## 1966	1084.5281	919.947815	830.409607
## 1967	1374.3047	1204.904785	1859.818115
## 1968	2885.8501	1061.627808	955.715027
## 1969	2166.2407	1488.377930	1965.765381
## 1970	1976.0931	1140.725952	1207.244873
## 1971	2881.2666	751.130615	722.928284
## 1972	1552.1876	751.963928	845.175293
## 1973	941.5417	1027.837402	1260.323486
## 1974	775.7028	1200.353882	1682.190918
## 1975	1012.8845	1237.176636	1842.623291
## 1976	2816.5544	864.535522	1371.999146
## 1977	2034.5916	657.480835	1597.437012
## 1978	871.3474	1332.416504	1744.663330
## 1979	747.4323	1278.565918	1926.981689
## 1980	800.7631	994.468018	1958.558472
## 1981	681.4568	1005.201416	1650.178467
## 1982	2849.4595	1203.191650	1608.651611
## 1983	1006.5585	1092.509521	1677.010254
## 1984	467.0353	1573.531982	2162.827148
## 1985	723.7719	1583.838501	2273.866943
## 1986	598.2339	1472.750122	1980.571289
## 1987	1236.7867	1603.835449	2257.006348
## 1988	1290.8622	1575.411743	2190.494385
## 1989	965.4593	1529.351318	2271.888916
## 1990	705.2012	1492.195190	1869.196533
## 1991	2236.7654	759.372681	1320.996338
## 1992	1483.4340	1873.146973	2454.584717
## 1993	1118.7617	1215.565430	1852.750610
## 1994	823.8691	1487.565186	1965.331177
## 1995	997.1096	1601.470337	2356.051270
## 1996	2268.6396	1903.296387	2608.727295
## 1997	1945.8475	976.156616	1581.274658
## 1998	1023.0527	1461.455078	2237.679199
## 1999	2794.7737	1457.074341	1741.661621
## 2000	778.1437	1143.687622	1776.810181
## 2001	552.0891	1252.088013	2111.769531
## 2002	1596.7454	981.697693	1758.639648
## 2003	533.9672	1202.459229	1868.794678
## 2004	514.2468	1199.680542	1770.169189
## 2005	1233.5841	1107.713257	1822.237671
## 2006	1496.8834	1131.014038	1746.673096
## 2007	1086.6893	1166.791138	1696.082153
## 2008	1261.7147	1233.166138	1576.560181
## 2009	1215.6383	1026.862427	1543.267456
## 2010	553.7476	1177.390625	1727.360352

## 2011	2019.7434	1162.497314	1468.823975
## 2012	1026.6794	922.833862	1327.181763
## 2013	982.9359	1201.746460	1559.887817
## 2014	2789.6499	1655.472656	1857.709717
## 2015	1364.3558	1396.947632	1818.632812
## 2016	2820.9219	1326.731689	1653.897461
## 2017	1533.0626	1834.260986	2676.827148
## 2018	1601.7980	1232.802856	1651.448364
## 2019	2262.8486	1201.560059	1372.468872
## 2020	1931.2540	1147.101685	1618.787720
## 2021	1919.1445	1063.527588	1053.332275
## 2022	2119.6902	968.904419	757.342407
## 2023	1741.5894	846.805298	913.646179
## 2024	2264.3350	1080.324951	984.170776
## 2025	1708.1431	1230.608154	1336.368530
## 2026	2038.0455	892.844055	962.837952
## 2027	2602.4509	570.903992	608.045410
## 2028	1119.2705	1379.566162	1882.590942
## 2029	1546.3737	1279.726196	1417.960938
## 2030	2239.9136	951.156494	1679.358887
## 2031	1888.1852	1582.569214	1826.584351
## 2032	1793.2581	1057.385376	1161.888916
## 2033	2628.7083	1486.951416	2004.813354
## 2034	2517.9846	750.901367	952.767273
## 2035	2692.5352	1374.315186	1702.131104
## 2036	2828.9431	1056.976440	1084.773071
## 2037	2373.8442	1735.826660	2248.770996
## 2038	2850.9822	1124.493164	1946.953125
## 2039	2835.8362	216.548111	190.196991
## 2040	2210.2168	1192.238770	1679.622559
## 2041	2497.7202	801.867249	1500.007080
## 2042	1596.5187	1203.570557	1370.065186
## 2043	2001.0048	1458.274902	2312.519043
## 2044	2533.0310	1742.433472	2382.973389
## 2045	2813.3381	1208.575684	1222.500244
## 2046	2567.9021	675.685608	1672.561646
## 2047	2205.3186	1515.894409	1819.682617
## 2048	2195.7700	894.256165	2096.477539
## 2049	2790.6152	1805.731201	2405.481445
## 2050	2767.7791	1111.219849	1543.162354
## 2051	1773.2688	1302.413574	1623.814575
## 2052	2829.0100	988.696655	999.273804
## 2053	2751.7712	1111.578003	1110.403687
## 2054	2423.8250	1052.583252	1772.383423
## 2055	2263.9004	1616.476685	2393.836914
## 2056	1144.1702	1364.288086	1616.835938
## 2057	1703.4174	1098.943604	1247.398560
## 2058	2199.5439	1099.089600	1296.870605
## 2059	2857.5801	997.651611	1510.189453
## 2060	2244.4731	1542.388428	2619.375000
## 2061	2326.0068	883.116882	1178.423096
## 2062	2232.0232	1653.481079	2001.985474
## 2063	1619.9725	1029.956665	1379.605591
## 2064	1773.9884	1397.866211	1391.619629

## 2065	2553.4612	1443.126953	1888.651123
## 2066	1529.3778	1270.852173	1651.451538
## 2067	2242.4365	1331.809204	1202.778320
## 2068	2058.6440	969.611023	976.105408
## 2069	1640.0280	1580.565308	2187.145020
## 2070	2354.5332	2695.842285	2037.831177
## 2071	1610.0477	1792.812622	1935.204346
## 2072	2743.1123	898.497803	1142.826904
## 2073	2245.5046	1598.142578	2400.991943
## 2074	1939.1207	1201.138550	1578.572632
## 2075	2117.6340	1416.258301	1161.254150
## 2076	2229.9751	1375.117065	1044.309692
## 2077	1843.5750	1271.610474	1179.778931
## 2078	2169.8916	1431.178101	1160.786743
## 2079	2894.7180	1419.451782	1154.438965
## 2080	2603.0315	1049.429199	952.581787
## 2081	1990.5312	1524.194946	1570.178223
## 2082	2146.0481	1131.956787	1021.991943
## 2083	2017.4652	1113.425293	1058.000977
## 2084	2323.3894	1039.580078	947.415039
## 2085	1550.5785	1140.168335	1037.975586
## 2086	2864.1340	1373.802246	1306.167969
## 2087	1435.7852	1296.129028	1275.233276
## 2088	1140.3362	1545.668213	1098.221313
## 2089	1257.0950	954.974121	1277.645020
## 2090	1030.4926	984.693726	1694.073242
## 2091	624.7409	1389.854370	2012.434448
## 2092	1758.5548	1443.084106	1780.217651
## 2093	2808.0469	1505.121826	2365.354248
## 2094	677.0392	1307.899902	2074.483643
## 2095	983.6063	1346.672485	2216.884277
## 2096	825.2206	1098.434448	1629.578735
## 2097	636.2120	1290.087891	1618.914917
## 2098	944.5184	1273.192383	1726.656006
## 2099	615.7223	990.870972	1483.471558
## 2100	1409.0249	882.393005	1253.715088
## 2101	1263.5084	946.862793	1367.175049
## 2102	2396.0942	1307.617432	1907.297974
## 2103	714.0844	923.290894	1172.820801
## 2104	920.9778	967.528015	1375.989624
## 2105	2019.9221	945.016968	1157.726562
## 2106	1088.0992	886.857483	1250.718384
## 2107	680.5656	1057.143677	1495.169800
## 2108	541.0888	1291.442627	1925.542236
## 2109	2811.0981	899.618652	1577.597046
## 2110	866.4911	1200.329712	1842.798950
## 2111	587.2950	1235.067871	1789.498901
## 2112	766.8909	1015.851685	1638.823608
## 2113	477.9857	1141.744141	1769.884277
## 2114	713.8141	1077.477417	1768.784302
## 2115	610.5734	1169.456421	1668.030640
## 2116	2059.8022	1357.330566	1576.318481
## 2117	2415.2405	1295.274170	1889.132935
## 2118	2768.0105	531.736511	1014.060425

## 2119	1558.9603	1188.498535	1996.098633
## 2120	2442.3127	715.167419	1203.180664
## 2121	2381.3066	1033.310791	1426.863159
## 2122	1832.1348	1390.575806	1825.872681
## 2123	784.6700	1108.175903	1857.236938
## 2124	1839.4424	700.503906	1081.483154
## 2125	1630.2478	951.928223	1549.083008
## 2126	1006.8552	1045.402100	1709.294678
## 2127	1654.0962	1034.871948	1279.783569
## 2128	1604.6775	850.291748	1519.852783
## 2129	2235.8862	1573.928833	1789.565674
## 2130	1904.2950	1340.112061	1717.020264
## 2131	1917.0392	1781.391602	2046.321289
## 2132	1058.6676	937.199097	1353.081055
## 2133	970.8472	1035.214478	1227.405640
## 2134	1552.5089	1932.529419	2045.412109
## 2135	1900.6857	1254.906616	1089.696411
## 2136	1514.2264	938.470093	928.349121
## 2137	1425.6879	1376.885986	1501.743652
## 2138	1353.6353	1247.119385	1503.595215
## 2139	1692.1162	1145.473877	1123.307373
## 2140	2144.0735	1135.465454	1459.982422
## 2141	1318.0681	1363.310425	1376.085938
## 2142	2674.2202	698.115479	1672.543579
## 2143	1222.2573	1471.763550	2195.186035
## 2144	2768.3567	1526.683838	2244.656982
## 2145	2782.4124	848.498596	910.531006
## 2146	2483.9036	819.679749	1432.242188
## 2147	2843.3083	2192.258057	3116.742676
## 2148	2755.1848	966.413940	1281.065063
## 2149	2816.8870	1565.370850	1434.242065
## 2150	2683.7383	1518.906494	1930.496704
## 2151	2876.1785	3791.720703	4301.359375
## 2152	2866.7510	2379.958008	1909.272583
## 2153	2320.1929	1304.178467	926.588623
## 2154	2390.1047	1395.703247	1422.185547
## 2155	2837.3838	1656.542236	1009.000244
## 2156	2841.5837	1032.854370	591.819824
## 2157	2387.7617	890.527283	684.745544
## 2158	1326.2844	1086.046509	756.104248
## 2159	1603.8147	746.780151	375.646545
## 2160	1570.1230	921.503052	492.739258
## 2161	2692.5496	591.380432	377.994385
## 2162	1502.7688	1730.898071	1700.604492
## 2163	1437.3524	1042.252197	908.734131
## 2164	1968.5643	1785.180664	1765.009155
## 2165	1575.0508	1388.140869	976.624817
## 2166	2881.5798	1219.270752	813.893921
## 2167	1629.5481	1021.640869	862.960205
## 2168	2867.6250	670.575928	630.978577
## 2169	1746.5627	1038.530151	970.373352
## 2170	1796.9935	1294.235718	1458.309082
## 2171	2683.7227	1188.387695	1072.078735
## 2172	2178.5649	1080.860718	851.549866

## 2173	2145.3530	1580.223999	1698.307495
## 2174	1723.7550	1200.950562	989.940735
## 2175	1199.2998	902.082947	1160.521362
## 2176	1981.5898	1723.916138	1784.012451
## 2177	1565.0729	1091.177124	1079.956665
## 2178	1774.0948	1204.019775	1268.877808
## 2179	2896.1135	410.915558	777.418945
## 2180	1495.0784	1519.955688	1560.088989
## 2181	1110.8307	1329.428955	1420.194824
## 2182	892.3657	952.744141	1156.935669
## 2183	785.2832	1344.823242	1967.533813
## 2184	2031.2948	1404.894409	2177.211426
## 2185	1265.2906	1071.175781	1592.816162
## 2186	973.7125	1065.215088	1734.747437
## 2187	973.1666	1405.628418	1810.511353
## 2188	1031.9944	1291.192139	1613.654053
## 2189	969.0510	1650.191650	1911.237427
## 2190	1093.8873	1575.226562	1536.249634
## 2191	1276.6960	1239.705078	1746.468628
## 2192	1396.8779	1352.839722	1260.651733
## 2193	1881.5020	1505.739624	1875.608765
## 2194	1617.7089	1211.754517	1497.995850
## 2195	2609.8105	777.023499	1082.594238
## 2196	930.5459	1311.231445	1580.293945
## 2197	1117.5586	1520.865845	2052.011475
## 2198	880.9407	1457.210693	1922.593750
## 2199	1483.7039	1149.775757	1388.954224
## 2200	1251.7061	1200.604370	1281.043335
## 2201	937.9717	1099.483765	1430.346680
## 2202	1003.3965	1284.253784	1711.082275
## 2203	1349.6605	1590.185181	2315.029541
## 2204	1478.3457	1251.688965	2071.075928
## 2205	1392.4135	1177.814209	1569.570435
## 2206	1438.1224	1479.197876	1919.868408
## 2207	1433.3573	1550.300537	2152.814941
## 2208	1757.0884	1304.932495	1669.621948
## 2209	1101.3143	1347.888794	1909.472290
## 2210	2396.2942	1571.118286	2461.560303
## 2211	2848.1067	842.188904	1604.481689
## 2212	1807.5928	1020.426636	1711.200073
## 2213	1256.0327	1128.588013	1886.359985
## 2214	1209.4127	1511.458862	1795.803711
## 2215	2854.7607	528.926636	618.367004
## 2216	2018.5406	1036.421265	1592.073853
## 2217	2237.5020	987.713257	1270.318604
## 2218	2793.4602	1134.112671	1625.489014
## 2219	1793.0021	1445.013184	1988.783203
## 2220	2140.3955	1633.724854	2038.534424
## 2221	2745.6321	1098.250000	1898.844482
## 2222	2850.0205	597.975891	875.130737
## 2223	1988.7543	993.725891	1365.883179
## 2224	950.2234	1112.435303	1143.341309
## 2225	1002.7899	1261.472290	1345.557861
## 2226	995.0942	865.012878	891.478760

## 2227	832.1302	653.180725	636.767273
## 2228	2056.4072	594.827698	528.006165
## 2229	2269.9238	646.142639	634.667053
## 2230	2662.0430	651.600403	592.502441
## 2231	2877.9976	519.796143	411.052063
## 2232	1869.0464	703.462891	562.732361
## 2233	2865.8213	510.969666	469.649506
## 2234	1764.3824	590.328552	446.332977
## 2235	1766.0670	630.034363	502.480164
## 2236	1767.0367	461.339691	422.036560
## 2237	1871.8699	445.532776	694.950623
## 2238	1351.2762	807.548645	1009.340820
## 2239	1665.9441	1173.484497	1829.002197
## 2240	2111.5706	1013.155701	1683.694214
## 2241	1872.9489	811.089966	1010.696960
## 2242	1702.3219	1264.139282	1987.873047
## 2243	2857.5051	1576.225830	1357.001709
## 2244	1241.5175	1343.442871	1570.759644
## 2245	2859.9272	743.062622	1287.594360
## 2246	2679.1792	1093.039429	1131.151733
## 2247	1856.8978	870.121033	1259.164062
## 2248	2861.0303	975.128357	1341.687500
## 2249	2114.1787	1531.828369	2254.787598
## 2250	1783.2971	989.896118	1255.409668
## 2251	1520.2742	1046.712646	1359.599365
## 2252	2859.1694	1498.677856	1978.035034
## 2253	2573.4114	1159.028198	1232.058960
## 2254	2855.0479	1320.081177	1263.317627
## 2255	2308.0891	1203.636230	1678.432373
## 2256	2862.6147	860.296326	849.639038
## 2257	2231.5396	1112.892456	1538.487793
## 2258	2090.4812	1166.704590	1313.173584
## 2259	1977.3862	1049.160522	1363.946045
## 2260	1626.9047	1447.365479	1484.513794
## 2261	2046.3433	902.485901	996.921631
## 2262	1892.5396	1367.533569	1815.374634
## 2263	1930.6945	564.949097	1067.315552
## 2264	1977.9860	1239.005737	1461.551636
## 2265	2568.8696	755.080566	852.720764
## 2266	1933.2328	677.412598	595.901367
## 2267	1625.9135	940.011902	1005.112488
## 2268	1745.8153	885.929321	562.513184
## 2269	1536.8887	1054.121948	925.567810
## 2270	2065.2812	1170.298218	1136.432495
## 2271	2521.3994	834.820740	956.198120
## 2272	2864.4766	659.463562	1168.251831
## 2273	2859.2827	1143.586426	1280.545044
## 2274	1982.1230	1045.844238	937.630859
## 2275	2399.8267	999.034912	1137.917847
## 2276	2707.6682	1189.877197	1170.119873
## 2277	2605.4915	1145.221924	974.186462
## 2278	2598.0574	1105.791138	949.493835
## 2279	2331.9800	947.723022	856.635071
## 2280	2636.1689	917.503235	886.219727

## 2281	2679.0125	968.046875	837.490173
## 2282	2875.5835	1078.180542	939.876892
## 2283	2433.9116	1222.682983	1003.760437
## 2284	2878.4717	944.001648	898.788269
## 2285	2262.5706	1008.439453	821.140991
## 2286	2419.4463	2609.707275	1982.345337
## 2287	1323.8408	1705.030273	943.038452
## 2288	1948.6370	1459.397705	805.198730
## 2289	1955.0571	925.231812	563.845581
## 2290	2869.9609	1022.744873	749.352356
## 2291	2845.8721	845.193115	534.324707
## 2292	2139.9070	975.146790	539.617126
## 2293	2321.3054	1327.991699	771.024780
## 2294	1448.6787	917.488281	610.880127
## 2295	1381.4581	1162.480469	618.518677
## 2296	1198.1438	1136.570923	1435.091919
## 2297	1149.9258	973.899963	1029.463501
## 2298	1072.8185	845.206665	808.277405
## 2299	946.3801	1119.507202	1696.611328
## 2300	1568.9841	932.054077	1328.105225
## 2301	825.2590	1264.065918	1943.874023
## 2302	1050.8920	1290.043213	1727.424194
## 2303	1244.9745	1140.495361	1502.126587
## 2304	1762.8811	1436.258057	1900.033691
## 2305	776.6773	1373.714722	2029.480713
## 2306	2798.3513	1212.791382	1788.982056
## 2307	1520.8445	1618.451294	2154.126221
## 2308	1852.8872	758.209717	1148.893555
## 2309	1332.5745	996.975464	1544.111816
## 2310	1493.5565	1253.282471	1712.286133
## 2311	1134.8711	1126.326416	1792.398193
## 2312	1753.7916	358.422821	759.805847
## 2313	1930.9666	1068.358643	1504.805542
## 2314	2761.1089	921.262085	1283.438721
## 2315	1755.6172	918.400085	1651.900391
## 2316	2310.8403	1374.610474	1789.409302
## 2317	2773.8176	870.653564	1244.540894
## 2318	1628.7266	1151.646118	1228.649902
## 2319	1792.7025	682.866455	743.505066
## 2320	1664.1901	1274.142944	1719.428833
## 2321	2158.6001	1262.676880	1801.542358
## 2322	2517.1208	1403.064453	1912.057129
## 2323	2365.2727	1293.093018	2312.370117
## 2324	1958.2428	1298.966064	1323.654053
## 2325	1831.1381	1062.462158	1686.252686
## 2326	1549.8145	1289.796875	1489.430176
## 2327	1721.1484	726.060181	976.267090
## 2328	2362.5930	927.725281	2140.094971
## 2329	2636.1770	1197.355103	1672.661865
## 2330	1481.6683	1182.952759	1815.216553
## 2331	1172.3854	1170.960938	1759.753906
## 2332	1319.9462	855.610046	1441.363037
## 2333	1906.0245	1439.665405	1995.183472
## 2334	1890.2028	1586.813477	1639.972656

## 2335	1986.9830	1335.061523	2029.151123
## 2336	2479.0632	1513.792725	2231.838135
## 2337	2411.6316	1143.200562	1627.255005
## 2338	2876.3037	946.553467	1530.496948
## 2339	1600.0857	834.828857	1343.930664
## 2340	2437.4131	566.710083	358.094452
## 2341	2263.3669	449.173004	408.027679
## 2342	2711.8689	1951.160645	1359.446411
## 2343	1219.9060	1861.098877	1267.072144
## 2344	2820.2380	1407.812988	864.696472
## 2345	2739.6472	1641.489990	1619.751465
## 2346	2482.3938	861.690247	502.977386
## 2347	2865.3804	990.381226	612.286133
## 2348	2760.7075	708.471252	430.167511
## 2349	2792.2668	693.806396	428.618927
## 2350	2678.1917	654.896301	378.064423
## 2351	2866.7529	944.111267	663.087219
## 2352	2862.8433	888.951111	581.854858
## 2353	2316.9443	900.896362	629.005127
## 2354	2397.5437	1254.393311	1161.086304
## 2355	2872.9414	1076.897583	1038.538818
## 2356	2883.6304	2254.284180	2169.100830
## 2357	2352.7207	2256.575439	2373.999268
## 2358	1329.5649	1067.942871	935.965393
## 2359	2601.2761	1495.197632	1781.557129
## 2360	2886.0923	583.663330	713.109802
## 2361	2385.5835	600.628296	733.252197
## 2362	2883.4226	559.502502	633.940186
## 2363	2878.7090	469.471069	401.778961
## 2364	2290.9194	569.754700	481.617889
## 2365	2130.6060	1187.504028	1005.901001
## 2366	1060.6268	1369.048340	1348.701904
## 2367	956.7194	1175.730103	1252.335815
## 2368	1554.8174	1254.301392	1394.797607
## 2369	1898.6051	1195.903931	1109.420654
## 2370	1524.5568	1178.673950	1313.640991
## 2371	1434.7655	1186.240356	1369.010498
## 2372	1345.1991	1419.007812	2053.685547
## 2373	1705.1760	1488.120239	2280.589844
## 2374	2130.8601	1486.444702	2572.569580
## 2375	1345.1016	2444.713867	3092.988037
## 2376	2811.8569	1646.774048	1110.816895
## 2377	2512.8359	167.513367	307.276672
## 2378	1948.6843	2097.510010	2352.838623
## 2379	1163.4434	930.688599	1101.920776
## 2380	1386.5482	1538.497314	1689.009644
## 2381	1440.0435	968.724670	1173.104736
## 2382	779.6438	1222.557129	1625.020874
## 2383	1701.8137	1094.504639	1733.494629
## 2384	411.3552	1200.126099	1561.063110
## 2385	823.1371	1392.517822	1681.282349
## 2386	1514.8199	1370.435669	1432.257568
## 2387	1709.9733	1379.517578	1697.117065
## 2388	1237.5406	1247.160889	1471.479126

## 2389	2396.9883	1352.613770	2000.391724
## 2390	2844.0920	1747.713257	2105.691162
## 2391	2779.9397	750.591797	1045.318115
## 2392	1365.3568	1324.629028	1712.488159
## 2393	724.3866	1327.903809	1771.439697
## 2394	793.8345	1187.359253	1534.285400
## 2395	734.4886	1151.122437	1566.141968
## 2396	565.8069	1553.861328	2058.734619
## 2397	2249.1306	107.796288	112.135452
## 2398	1433.3738	2059.962646	2828.954102
## 2399	1042.1687	1423.135498	1961.485718
## 2400	553.9232	1487.366333	2134.403320
## 2401	1324.9843	1166.028320	1376.527344
## 2402	862.2341	1573.731445	1687.049927
## 2403	2308.2104	8.331684	15.552027
## 2404	2498.3511	475.363159	468.910828
## 2405	2801.4360	714.958984	762.614868
## 2406	2790.8750	645.105103	543.674377
## 2407	2189.5889	1627.803589	1496.850464
## 2408	1681.6581	983.897461	1120.876099
## 2409	2796.7014	283.115509	498.780487
## 2410	2278.4390	855.636536	1176.198242
## 2411	2182.2625	725.423950	1019.346985
## 2412	2327.2812	1644.894287	1882.987061
## 2413	2621.3218	2650.725830	2639.580322
## 2414	2446.8042	1623.601562	1569.437012
## 2415	1500.0284	1686.164185	1995.160400
## 2416	1401.1714	1485.021973	1620.991821
## 2417	1686.2639	1530.820923	1543.018677
## 2418	2199.2505	1188.712402	974.457642
## 2419	2475.1589	566.254883	695.707275
## 2420	2657.8254	1455.101318	1453.218994
## 2421	2629.4783	820.780823	1054.199951
## 2422	2380.6064	1392.935913	1316.223389
## 2423	2671.8047	933.366028	1457.265381
## 2424	2520.8601	803.732178	667.421936
## 2425	2662.4626	781.174622	768.981506
## 2426	2261.7004	568.400208	412.035370
## 2427	2844.4783	486.829865	394.621765
## 2428	1996.3878	693.411926	497.693451
## 2429	2216.2820	786.555298	498.867126
## 2430	2861.9963	1058.488037	874.567383
## 2431	2597.8027	792.588135	558.034790
## 2432	2413.3601	803.706604	595.865479
## 2433	2075.9023	578.329102	460.420074
## 2434	2225.6582	537.385803	415.519318
## 2435	1901.8544	559.352295	415.063751
## 2436	2658.9536	786.142944	647.167053
## 2437	2804.8511	680.114319	664.392029
## 2438	2801.7559	1052.336548	945.326233
## 2439	2264.0962	1050.858521	1530.782837
## 2440	2805.7678	402.857697	275.554382
## 2441	2807.0256	407.143402	250.594757
## 2442	1553.0883	1002.277283	1175.909180

## 2443	1047.1125	1893.817383	1798.814819
## 2444	1320.2606	1154.558716	1357.557495
## 2445	2189.7886	806.990967	830.567444
## 2446	1851.5876	1528.480957	2130.327148
## 2447	1816.4236	1300.376709	1281.904785
## 2448	1790.7589	1349.251099	1412.263794
## 2449	1459.1627	1289.973877	1038.673462
## 2450	1571.5793	1701.841187	1114.915771
## 2451	1702.4894	1184.097168	1129.057373
## 2452	2261.6682	781.070312	773.096863
## 2453	1491.8859	2002.649048	1688.107178
## 2454	1157.4950	1308.651245	1227.487427
## 2455	2808.9014	832.082336	557.701111
## 2456	2732.4951	1168.930298	859.532776
## 2457	2837.6660	1551.928101	955.984741
## 2458	1981.6686	1023.374695	809.144714
## 2459	1061.7634	1078.848633	1464.260742
## 2460	723.8597	1293.720581	1673.576660
## 2461	543.4963	1115.574219	1546.376709
## 2462	874.1585	905.061707	1684.872437
## 2463	646.3035	946.261597	1547.887939
## 2464	740.3333	818.076721	1341.566772
## 2465	1956.0378	845.932800	1266.487305
## 2466	2298.6252	807.031250	1312.486572
## 2467	2794.0815	1453.567871	2264.681641
## 2468	1743.1461	1085.746460	1415.341797
## 2469	939.6766	1317.277100	1838.835205
## 2470	676.9504	1088.342773	1391.212158
## 2471	396.2814	843.464417	1279.186157
## 2472	1261.5773	653.725952	963.919067
## 2473	1144.2744	1075.578735	1221.536011
## 2474	757.4603	1128.383301	1399.254761
## 2475	2674.4492	1320.455811	1337.059082
## 2476	1970.8109	715.130005	1178.566284
## 2477	1904.3590	740.228821	408.981293
## 2478	2436.6270	1126.571167	1604.998169
## 2479	2480.8760	1253.119995	1460.038696
## 2480	1905.5023	1102.835938	1020.793701
## 2481	2839.5327	1310.749146	1630.471191
## 2482	2693.0366	564.717285	863.624023
## 2483	2806.9424	949.047974	983.434875
## 2484	1680.0886	1689.568359	1927.704346
## 2485	2087.2781	1800.827515	1286.344727
## 2486	2753.8411	1213.819580	1601.775635
## 2487	2047.1593	1340.974365	1089.779785
## 2488	2468.6084	1058.675781	985.017151
## 2489	1320.9308	1132.918579	1116.840088
## 2490	1304.2313	1159.454468	1479.475464
## 2491	2866.9949	1172.424072	1104.346436
## 2492	2878.3733	1366.432861	1392.922974
## 2493	2894.9277	825.910156	783.225159
## 2494	1624.7361	1132.669067	1701.849487
## 2495	2265.8376	1096.164062	954.483704
## 2496	1608.4973	695.581055	755.161926

## 2497	1652.4463	1068.391357	1222.466309
## 2498	1664.8569	964.871582	1192.195923
## 2499	2619.9744	852.600403	1083.519775
## 2500	1032.8434	1005.264709	1061.872437
## 2501	2830.8501	899.192810	1060.322632
## 2502	965.2513	1108.111938	1106.393066
## 2503	1011.7046	882.963440	601.121521
## 2504	993.3764	754.245483	458.482269
## 2505	826.9754	973.559021	772.363892
## 2506	2708.9429	562.397827	412.583557
## 2507	2200.7781	760.389160	553.921753
## 2508	2358.8391	702.244019	569.457703
## 2509	2269.8862	73.623825	101.777153
## 2510	1619.6675	1199.684570	1572.505615
## 2511	1903.2806	1185.081421	956.988281
## 2512	1629.8419	1349.357544	1942.122681
## 2513	2020.4268	832.923950	1212.261719
## 2514	1858.7003	832.727356	605.271729
## 2515	1903.4067	1030.076904	1063.140015
## 2516	1967.9523	1117.550537	1121.480347
## 2517	2554.0254	798.599854	802.148376
## 2518	1917.0199	946.730286	882.318909
## 2519	1613.1548	1039.127075	939.062561
## 2520	1815.1238	1180.877686	928.425598
## 2521	1547.9982	944.259949	744.893555
## 2522	2762.6028	1090.252075	906.404907
## 2523	2884.8689	1028.386230	889.678162
## 2524	2208.8855	1189.717529	937.316101
## 2525	1774.1813	1698.350342	1484.397583
## 2526	2027.2292	1063.346680	959.650208
## 2527	2727.1582	1268.214355	1461.134888
## 2528	2853.3530	1365.141724	1064.461060
## 2529	1406.7708	1223.109497	1349.686646
## 2530	1943.8156	1073.028809	1149.013306
## 2531	2545.0176	1026.243896	780.882874
## 2532	2885.3542	779.466064	909.746338
## 2533	2873.0632	1253.004395	1468.212280
## 2534	2884.5273	1275.285889	1552.399048
## 2535	1580.7318	1397.901611	1290.847168
## 2536	1842.4393	1006.143921	1125.749390
## 2537	1679.9147	1230.866577	1348.135986
## 2538	2329.0713	1177.727417	1392.212891
## 2539	2891.8379	1552.954102	1702.691284
## 2540	664.5825	948.735901	1168.594360
## 2541	957.1409	1625.151733	1625.789062
## 2542	2874.2859	1345.922974	1570.936523
## 2543	1857.0182	1237.459229	1675.137695
## 2544	844.4949	1565.971924	1811.050293
## 2545	921.4576	1083.170166	1595.654297
## 2546	1160.4390	832.156128	1197.849487
## 2547	1105.4460	1162.876099	1550.698853
## 2548	1459.5765	1466.597168	1856.171509
## 2549	2814.5698	883.080078	1053.065918
## 2550	1497.7778	1405.276245	1337.184448

## 2551	900.6075	1410.666382	1673.219849
## 2552	1009.6211	1414.490967	1847.765381
## 2553	1448.1144	1325.338379	1305.365356
## 2554	1557.3138	662.874756	1158.370605
## 2555	979.0854	1240.690430	1969.378662
## 2556	848.1216	1163.796143	1416.102783
## 2557	767.2575	1294.340698	1525.918335
## 2558	1467.4554	1268.332642	1339.243164
## 2559	1680.0956	1101.629150	1429.083740
## 2560	1174.2676	810.854919	1292.017456
## 2561	2741.0454	574.736694	1265.950684
## 2562	2097.8735	997.160034	1757.738403
## 2563	2850.0735	2354.665771	2875.406494
## 2564	2839.9021	733.866272	1137.719727
## 2565	2258.4744	1258.325317	2510.778320
## 2566	1982.2811	918.520142	1152.927002
## 2567	2137.5852	931.604248	1238.799561
## 2568	1436.3278	632.085632	999.406921
## 2569	1859.3293	676.351318	1183.929565
## 2570	1519.9464	816.883118	1238.056396
## 2571	1516.7646	659.351013	1429.916992
## 2572	1532.2068	802.909790	1296.840820
## 2573	2787.4080	1237.479614	2500.705811
## 2574	1050.2780	773.567566	1344.051758
## 2575	1236.6497	901.769470	1407.329590
## 2576	870.3304	931.298340	1373.343750
## 2577	1466.7937	906.531250	1574.981812
## 2578	1574.8270	1181.782837	1419.633301
## 2579	2650.6653	1350.402710	1408.609375
## 2580	1768.3013	1065.904907	1274.884155
## 2581	1635.5378	691.541504	1003.119690
## 2582	1965.9594	577.944824	1178.314331
## 2583	950.9313	793.685303	1218.012085
## 2584	1770.2474	754.838928	1121.429932
## 2585	843.8935	886.513123	1464.136841
## 2586	1540.9915	821.918274	1041.131104
## 2587	2028.9313	663.806885	891.130920
## 2588	572.1323	1163.171631	1694.748535
## 2589	527.0474	1166.598755	1713.011841
## 2590	703.3218	1112.957520	1568.908569
## 2591	745.9113	1149.230591	1510.936890
## 2592	1253.4104	1227.520996	1691.004761
## 2593	1203.5994	1040.997437	1230.616211
## 2594	2177.0359	1213.331177	1526.110718
## 2595	2811.2954	1510.569824	1381.123291
## 2596	2827.9524	1268.762573	1698.124146
## 2597	2218.8364	972.561157	1319.796997
## 2598	1709.0676	804.542664	1300.604614
## 2599	2847.9680	31.561861	36.159981
## 2600	2297.1108	752.999695	870.719543
## 2601	2824.6042	2153.811279	1621.083496
## 2602	1919.4857	943.004822	1156.282837
## 2603	2477.3657	830.723694	632.868713
## 2604	2397.9365	469.498047	671.266724

## 2605	1464.4650	1064.933472	1426.836548
## 2606	1406.9187	1798.888428	1795.951538
## 2607	1671.4045	1716.389526	2135.083252
## 2608	2092.2966	1320.734497	1299.268066
## 2609	1781.7317	1505.227295	1573.803589
## 2610	2597.1118	1213.028442	1098.258179
## 2611	2338.3237	1799.196411	1912.324707
## 2612	2229.3027	1072.403320	909.487122
## 2613	1726.8976	1485.417847	1282.144531
## 2614	2081.2808	843.354614	437.387543
## 2615	1966.0968	772.295166	431.337616
## 2616	2603.3062	697.728516	385.719940
## 2617	2837.8672	588.061157	374.294922
## 2618	1523.2349	745.686279	464.735535
## 2619	1658.5906	888.736389	647.536987
## 2620	2036.2280	1373.830688	1387.591553
## 2621	2879.1780	1058.050049	1464.154053
## 2622	2606.8184	808.639526	778.839172
## 2623	2814.5745	758.952515	705.378540
## 2624	2306.1533	734.205566	646.382019
## 2625	2851.0710	836.184265	1902.594482
## 2626	2250.4487	1392.789429	1760.555420
## 2627	2108.5444	1240.335815	1340.893555
## 2628	1067.9431	967.388916	1142.501953
## 2629	963.3534	1333.043091	1316.289917
## 2630	1543.6974	956.422913	969.063354
## 2631	1884.1678	1471.512329	1547.272949
## 2632	1521.1151	1158.429321	1303.820068
## 2633	1439.2380	1280.173218	1362.978271
## 2634	1349.0654	1199.634766	1259.044312
## 2635	1682.8451	1376.271606	1589.885742
## 2636	2142.4028	883.078613	1166.963379
## 2637	1321.1370	1409.668213	2045.525146
## 2638	1601.2650	1608.409180	2345.756348
## 2639	1567.6694	1311.124634	2019.754639
## 2640	2644.3076	1150.751465	1278.456421
## 2641	1501.4608	2951.744385	3108.426025
## 2642	1450.9647	1316.244385	1041.725830
## 2643	1983.4497	940.114929	739.309631
## 2644	1548.3424	744.487671	734.761841
## 2645	2857.6335	1348.993408	1213.860107
## 2646	1644.0222	1286.708252	1359.740601
## 2647	2832.4900	956.317322	771.363770
## 2648	2420.9778	1153.471313	928.808960
## 2649	2582.7527	1445.638306	1260.832031
## 2650	1899.3484	1430.884644	1628.355591
## 2651	612.1299	1213.371582	1522.252319
## 2652	2676.5515	1243.647095	1278.902710
## 2653	2865.6987	1377.023071	1931.644287
## 2654	2405.0154	999.407776	939.735657
## 2655	1826.4146	1161.199341	1456.664062
## 2656	1073.8262	895.411865	1294.340088
## 2657	2442.9246	272.409180	478.888702
## 2658	2280.3928	1033.036743	1097.179443

## 2659	1157.3121	929.889709	1375.626099
## 2660	2344.9285	751.090027	1143.630371
## 2661	2495.1335	819.571960	1009.951172
## 2662	2464.0974	870.547913	1325.927246
## 2663	2036.3892	1154.203735	1481.820923
## 2664	666.4622	1167.603516	1559.669800
## 2665	504.1610	899.644043	1388.470337
## 2666	1494.4214	809.298035	1013.540955
## 2667	846.7015	1022.030396	1623.366089
## 2668	1967.9324	902.657654	1423.705933
## 2669	673.2614	907.913513	1666.878540
## 2670	1458.2180	947.059814	1680.139771
## 2671	644.9125	595.033447	1006.761108
## 2672	1031.6561	611.847900	1143.618408
## 2673	454.5444	1094.750732	1798.987671
## 2674	1126.8851	655.118713	1167.125732
## 2675	672.9326	1227.578857	1702.955566
## 2676	486.0790	1161.297729	1561.021606
## 2677	736.1490	982.387939	1536.778809
## 2678	1420.9651	821.315369	1276.587646
## 2679	1270.7522	1223.560913	1467.969604
## 2680	1337.6332	905.300964	1160.818237
## 2681	1329.5137	963.642761	1256.532227
## 2682	1311.8845	1204.933472	1538.818726
## 2683	1952.2826	1066.360718	1385.614502
## 2684	1636.3844	1303.067261	1586.920288
## 2685	2347.7385	789.557007	1227.233276
## 2686	1106.5964	1308.743286	1606.148071
## 2687	1867.1379	1422.778931	1395.535645
## 2688	495.5927	1083.736694	1539.226440
## 2689	955.2852	1073.050415	1569.812622
## 2690	1845.5067	1422.500366	1968.257935
## 2691	1452.6047	1368.689453	1614.721069
## 2692	1599.7725	1451.698975	1597.261353
## 2693	1721.3734	1365.373047	1435.904297
## 2694	1547.2906	1383.453247	1424.437256
## 2695	2641.2947	531.086731	811.049744
## 2696	1813.1682	1009.540161	1149.320190
## 2697	2642.6401	1096.873413	1014.373230
## 2698	1596.5730	897.962219	1263.211182
## 2699	2013.8770	1410.539185	1258.196533
## 2700	1706.8084	1021.326782	1147.207520
## 2701	2565.7634	1115.523438	1324.843140
## 2702	1883.5955	1246.162354	1525.356567
## 2703	1008.9949	1391.216919	1539.020142
## 2704	2627.2268	828.213562	1175.914551
## 2705	1959.8859	1427.106445	1461.051514
## 2706	1587.6608	1085.264526	1258.620361
## 2707	2095.1538	841.005676	1130.946411
## 2708	1977.8828	1273.780029	1697.940186
## 2709	1680.2032	1229.949829	1525.752808
## 2710	1173.6227	1220.634399	1362.774902
## 2711	1980.1426	1179.415771	1713.440063
## 2712	1360.7020	1119.586426	1399.173828

## 2713	1226.9512	1281.158447	1819.005859
## 2714	1609.3845	1036.351318	1483.201050
## 2715	1346.4518	1471.191284	1599.942139
## 2716	901.9536	1300.939209	1572.690430
## 2717	946.7158	1321.443726	1461.760864
## 2718	2770.7544	1278.883179	1264.085083
## 2719	2077.6812	793.498108	1052.577393
## 2720	1452.3519	957.301514	1207.981934
## 2721	1587.4867	1166.711060	1555.404175
## 2722	1709.8578	1807.168701	2100.792480
## 2723	1524.3536	1103.686890	1562.189453
## 2724	2673.9766	1015.440979	1294.430908
## 2725	1796.8180	945.787415	1583.404297
## 2726	2629.9995	755.290039	999.741882
## 2727	1926.4636	1861.526245	1683.766602
## 2728	2403.8062	1024.722168	1036.305054
## 2729	2035.4470	1389.060669	1250.194092
## 2730	1885.5903	1387.068604	1340.249268
## 2731	704.1078	1211.802246	1686.124756
## 2732	936.7166	1123.420532	1519.300293
## 2733	2618.3359	1238.420166	1888.182007
## 2734	2821.2700	740.047607	918.036377
## 2735	2842.9387	1528.708130	1925.628296
## 2736	2816.7856	1135.166870	1763.348999
## 2737	2316.7495	1146.810913	1907.303955
## 2738	2773.3882	977.065735	962.330139
## 2739	1525.4432	1236.962280	1401.511108
## 2740	1835.1654	808.066895	1374.990723
## 2741	1772.7972	1978.310791	2911.957520
## 2742	2620.4612	245.864334	283.120636
## 2743	2134.3838	443.021912	279.163300
## 2744	2120.5344	861.769287	951.708252
## 2745	1735.6594	1410.046021	1161.959229
## 2746	1203.2024	1345.500244	1489.152588
## 2747	1960.3376	882.146362	832.909790
## 2748	1567.7448	1111.678711	1268.117554
## 2749	1765.8284	1328.729736	1477.763794
## 2750	1039.6487	1403.735962	1471.476440
## 2751	1339.7729	1104.356812	1298.631226
## 2752	2242.7905	806.438477	725.390991
## 2753	1854.0962	3729.969971	2989.505371
## 2754	1823.5916	1587.215698	951.496765
## 2755	1770.2769	1072.492432	1355.091431
## 2756	1437.8381	1213.790039	1441.527100
## 2757	1564.2383	1544.996094	1986.122803
## 2758	1687.0552	1192.874878	1065.985352
## 2759	2290.5378	1313.444458	1633.690918
## 2760	1482.8359	1532.029297	1136.948730
## 2761	1161.7518	1350.051025	1113.057861
## 2762	2834.0027	864.378113	860.305115
## 2763	2287.7175	1185.664917	936.815247
## 2764	931.5632	1538.500610	1482.173584
## 2765	870.7599	1148.139038	1157.031372
## 2766	1447.6766	1237.144531	1423.439331

## 2767	1727.4049	980.319824	1505.102539
## 2768	1234.5923	1298.262329	1585.370728
## 2769	2407.5344	683.467468	1373.571899
## 2770	2843.6382	844.579651	1240.833130
## 2771	2810.7434	1335.511353	1199.483643
## 2772	1360.4199	1566.009644	1658.309937
## 2773	725.7783	1156.902954	1578.198853
## 2774	667.6410	1339.402344	1791.715088
## 2775	604.8959	1241.654907	1612.617798
## 2776	671.6403	1253.578491	1733.239014
## 2777	1750.2365	1234.739258	1740.815674
## 2778	2212.9387	1217.056885	1268.036865
## 2779	2708.2878	1156.075928	1075.312500
## 2780	1396.0692	1193.411987	1626.359863
## 2781	1443.5872	1252.167603	1721.518188
## 2782	1524.5173	790.579468	1911.125366
## 2783	1726.2303	1595.734131	2098.168457
## 2784	1998.8738	1188.518188	1741.305664
## 2785	1905.3916	1463.080566	2403.491455
## 2786	1115.7915	1231.839844	1748.957886
## 2787	924.4526	1426.006714	2179.941162
## 2788	1746.9757	1983.747803	2992.828857
## 2789	1419.6858	1274.363892	1917.455078
## 2790	1196.5312	1655.597778	1985.644531
## 2791	1441.2765	1428.701294	1999.259888
## 2792	1967.3120	1491.018921	1851.117310
## 2793	1359.2711	1511.731323	2089.894531
## 2794	1999.3634	1348.124390	1952.717163
## 2795	2878.9871	2566.237793	2433.608887
## 2796	1959.7729	1528.459351	2089.298584
## 2797	702.5878	1541.065674	2185.142090
## 2798	1467.5392	1435.697021	2061.709717
## 2799	2406.2876	1139.559692	1319.728027
## 2800	1760.5658	1573.391968	2343.364014
## 2801	1985.1956	763.645935	1142.818604
## 2802	1617.2633	1316.928345	1825.018188
## 2803	1346.3967	1196.847778	1935.515869
## 2804	1944.9425	1673.776001	2071.176758
## 2805	613.0291	1515.804443	2078.345215
## 2806	1002.9645	1146.116455	1732.490234
## 2807	1173.6327	1200.599609	1729.560059
## 2808	1188.4867	1176.186890	1557.208496
## 2809	930.9675	1442.036987	1905.008545
## 2810	1066.1150	1113.928589	1640.555664
## 2811	966.8336	1708.667603	2675.133545
## 2812	1893.7504	1445.069214	2085.604004
## 2813	1294.2538	1500.349609	1883.155762
## 2814	2433.7034	38.800529	163.914642
## 2815	1084.4270	1301.484131	1389.276245
## 2816	2853.9626	1874.092529	2100.640869
## 2817	2653.3428	1280.523560	1757.139526
## 2818	2271.8506	232.256882	503.964691
## 2819	2835.4424	1829.896973	2979.845703
## 2820	2775.8489	1329.337158	1694.147339

## 2821	2728.7219	1164.240845	1477.756348
## 2822	2447.0527	1195.631714	1505.842163
## 2823	1659.0593	1582.329224	1880.976318
## 2824	2853.2390	1265.373413	1791.935913
## 2825	1816.0312	998.555115	1653.872070
## 2826	974.0938	1357.613892	1515.898560
## 2827	983.4882	1241.234131	1116.605225
## 2828	989.5660	889.029724	677.291565
## 2829	826.5255	806.700684	511.705872
## 2830	2749.3716	538.504333	324.962128
## 2831	2185.7778	532.514648	447.298737
## 2832	2402.6926	977.944641	918.346008
## 2833	2195.7908	1520.661865	1119.596313
## 2834	1620.8185	1193.682129	725.061890
## 2835	2302.8672	627.841858	468.378662
## 2836	2876.3435	728.561279	781.339478
## 2837	2876.9189	594.188477	393.436829
## 2838	2312.3318	650.239258	418.141937
## 2839	2265.3259	787.598999	816.830872
## 2840	2529.9595	521.161011	423.228455
## 2841	2733.8613	115.329002	229.995926
## 2842	2042.4408	1274.139771	1720.928589
## 2843	1699.3859	1191.194580	1081.536133
## 2844	1993.2822	984.990295	1381.321777
## 2845	2345.8486	1244.654297	1764.452393
## 2846	2182.9551	1653.774170	2220.147217
## 2847	2239.0903	1091.975220	1174.293091
## 2848	1757.5051	1472.466064	1525.457520
## 2849	1765.5308	1190.198975	1250.613647
## 2850	2638.2415	1181.587646	1104.235352
## 2851	2464.9971	1191.278076	1358.176392
## 2852	2515.7629	1143.429199	1617.951416
## 2853	1883.0443	1208.473267	1254.042480
## 2854	2853.7524	1531.828491	1784.253540
## 2855	2769.2422	1258.577881	1832.202759
## 2856	2854.0459	742.354553	608.466553
## 2857	1677.0217	1279.559326	1449.249146
## 2858	2073.5867	1667.249023	1663.565796
## 2859	2704.2393	556.973267	820.529358
## 2860	2034.4879	1592.986572	1757.096436
## 2861	2462.7927	771.778625	931.186096
## 2862	1316.0881	1014.358337	1257.896362
## 2863	1309.7838	1849.599854	1611.388184
## 2864	1718.1470	1367.304810	1113.739746
## 2865	2353.5879	1044.114746	854.436646
## 2866	2265.6526	1246.418091	1037.089111
## 2867	754.5751	1244.102295	1495.544922
## 2868	810.4539	985.497070	1390.388916
## 2869	1539.3864	1207.484253	1450.866943
## 2870	1165.1005	1374.139038	1601.462280
## 2871	1747.2394	1438.073486	1570.698364
## 2872	1925.7671	973.171021	1082.418091
## 2873	1711.4469	1155.451172	1435.352417
## 2874	1572.9635	1450.095825	1640.240356

## 2875	1511.6045	1774.929199	2317.367676
## 2876	2333.8140	1567.652466	2307.557861
## 2877	714.2136	1333.169067	1789.856934
## 2878	996.5590	1491.964111	1796.923218
## 2879	2821.6667	1176.431152	1510.934570
## 2880	1548.5271	1266.505005	1711.113037
## 2881	2806.7644	927.334290	1252.550415
## 2882	1528.4185	1456.977539	2186.543945
## 2883	1367.7349	1165.648926	1824.087769
## 2884	1539.7145	1073.369141	1342.449219
## 2885	2815.7590	1520.837158	2228.691895
## 2886	2831.1160	980.447937	1072.550415
## 2887	1152.9354	781.266479	1059.340942
## 2888	1017.3148	1445.834717	1679.138672
## 2889	883.3090	1201.346436	1643.343750
## 2890	760.0771	1413.470581	1765.889526
## 2891	1682.5258	1605.592285	2115.488525
## 2892	2445.9958	506.594757	1024.938354
## 2893	1471.5111	1488.164185	1797.126831
## 2894	1697.9883	1274.909790	1540.589844
## 2895	1653.7655	1456.629150	1794.220581
## 2896	936.0997	874.471924	1235.238037
## 2897	1776.4585	1214.038208	1857.792725
## 2898	1107.0643	1134.867554	1737.321167
## 2899	1033.1091	1208.897461	1648.708984
## 2900	1103.2740	1232.759277	1906.757202
## 2901	2676.4507	1619.033813	2252.478027
## 2902	1676.2457	1117.213745	1424.180420
## 2903	2848.7402	1029.520142	1838.417480
## 2904	1663.6042	536.840637	1017.200867
## 2905	896.3204	814.963806	1418.997314
## 2906	1141.7931	1107.844482	1344.478516
## 2907	1789.0162	479.425720	936.591248
## 2908	1813.7435	795.073730	1025.952026
## 2909	1940.6892	694.958496	1031.897583
## 2910	1899.6736	733.064148	951.813599
## 2911	1824.3037	619.674927	945.284424
## 2912	1526.4280	642.470337	1132.010742
## 2913	1173.3665	1227.915894	1541.201294
## 2914	1447.7667	1063.131714	1356.328979
## 2915	2055.2688	1059.317261	1155.673828
## 2916	1893.6868	1036.640381	1777.192993
## 2917	2075.0337	1002.591431	1334.317871
## 2918	1806.7311	1109.833374	1216.311279
## 2919	1660.1848	1221.809570	1733.969727
## 2920	1475.9675	1619.147095	1878.107056
## 2921	1450.4625	1457.571655	2075.319824
## 2922	1188.1296	1124.202271	1497.744995
## 2923	1365.0607	1447.906738	2151.264404
## 2924	666.6551	1139.229736	1912.593750
## 2925	605.4153	1274.788208	1735.927002
## 2926	1562.0297	1101.233887	1371.300293
## 2927	880.1823	1105.409424	1519.478882
## 2928	1354.3607	1106.173584	1415.924072

## 2929	1211.9651	786.476135	1304.238892
## 2930	1026.5367	1153.768311	1423.818481
## 2931	853.1069	1434.817505	1763.888672
## 2932	1981.4716	976.868591	1474.174805
## 2933	682.6357	1072.848267	1506.431763
## 2934	511.8817	1198.371948	1604.699463
## 2935	1548.5098	1211.583130	1560.181885
## 2936	1549.6844	1905.662109	2430.555420
## 2937	2035.4480	1861.270142	2659.702393
## 2938	1431.5045	969.263550	1541.929932
## 2939	1047.8270	1740.736206	2130.253418
## 2940	811.0890	1331.438477	2068.410156
## 2941	1725.2902	1324.639038	1920.457764
## 2942	1524.0928	1284.016235	1713.439697
## 2943	1561.1129	199.123581	620.927429
## 2944	1499.9343	943.140320	1473.887573
## 2945	1543.4777	1461.783203	2444.415039
## 2946	1506.8220	1457.275513	2134.859863
## 2947	1512.9999	1178.303101	1620.005493
## 2948	1532.2819	1415.756592	1811.122192
## 2949	2360.4075	1607.143921	1617.499023
## 2950	1150.1860	1502.480835	2161.659668
## 2951	2104.7903	548.282043	1488.757690
## 2952	927.6469	1495.848877	2137.049561
## 2953	2705.3423	862.029724	1204.671143
## 2954	903.1163	1367.205688	2147.986572
## 2955	410.5363	1202.855347	1669.147949
## 2956	537.0990	1221.226074	1738.104126
## 2957	788.9954	1080.078125	1658.047363
## 2958	2396.8276	1246.359253	1600.225342
## 2959	758.1760	961.252441	1481.172241
## 2960	536.5505	1019.255005	1528.108032
## 2961	748.9271	849.740112	1316.942505
## 2962	1954.6671	755.720276	1094.508423
## 2963	2323.8457	703.079041	918.170349
## 2964	2787.3364	248.876251	622.321655
## 2965	1733.3108	617.746765	995.869385
## 2966	1866.6278	732.426697	1119.777710
## 2967	638.1368	842.884766	1164.316772
## 2968	811.4662	859.408875	1437.157715
## 2969	1323.9946	870.418274	1235.618652
## 2970	1503.0221	687.046875	919.870178
## 2971	1836.1827	1035.604004	1484.226196
## 2972	1472.7397	959.624023	1405.342896
## 2973	1636.1239	765.442627	1190.773926
## 2974	1580.3778	915.034729	1672.046753
## 2975	1554.9177	689.364441	1105.135010
## 2976	1318.0094	941.250244	1572.589478
## 2977	1604.0305	914.890747	1523.517456
## 2978	1542.2438	691.238770	1265.572876
## 2979	1783.5269	889.264343	1355.161865
## 2980	1514.9670	845.418518	1583.691040
## 2981	1837.5780	1010.764648	1390.905396
## 2982	717.7017	961.793701	1549.312134

## 2983	738.2681	1288.644287	1740.452759
## 2984	975.7538	726.539917	1299.731323
## 2985	1285.6445	760.576477	1149.098755
## 2986	1253.4008	891.041260	1154.760498
## 2987	982.7216	769.700317	1176.266846
## 2988	890.1688	735.781616	1132.140503
## 2989	2479.4849	807.059570	1040.964355
## 2990	567.7906	884.257263	1280.397339
## 2991	2415.3938	24.753679	16.751211
## 2992	595.3178	815.622131	1423.796021
## 2993	676.4350	919.004639	1344.688110
## 2994	1058.7882	1117.460083	1511.701904
## 2995	1197.3989	1237.637817	1439.419189
## 2996	2573.8779	1059.835083	1255.032349
## 2997	2811.8735	238.179794	330.930450
## 2998	2451.0034	2430.947754	2870.158447
## 2999	2111.2676	877.629578	1087.874390
## 3000	1780.7037	1008.917847	573.468018
## 3001	2602.0586	886.804626	510.675598
## 3002	2335.9956	881.298828	566.526672
## 3003	2238.2427	726.501282	409.083405
## 3004	1710.8997	714.016724	405.565521
## 3005	2092.2275	857.038513	577.743713
## 3006	1937.1879	921.847717	697.965027
## 3007	2588.4368	1136.852417	1509.803833
## 3008	2888.3835	1550.453979	1321.170044
## 3009	1514.5923	906.464661	941.614685
## 3010	1646.2828	1210.067627	1951.111084
## 3011	2031.8250	1297.550415	1261.837158
## 3012	2701.7725	1980.664307	1816.514160
## 3013	2882.5251	731.570007	1133.125977
## 3014	2169.0332	1318.299561	1191.756836
## 3015	1763.7704	1561.540894	1528.954956
## 3016	2032.2666	1252.587402	1245.884644
## 3017	2745.0400	1170.353516	1469.302246
## 3018	2878.1467	861.458496	1031.836914
## 3019	1403.9999	1109.725342	1075.598877
## 3020	1952.4374	1229.140503	1239.580566
## 3021	2537.8533	1156.696167	1324.934692
## 3022	2840.5435	1591.995972	1429.887451
## 3023	2842.4473	854.811462	1024.895386
## 3024	2874.1592	830.418640	910.198975
## 3025	1584.8446	1229.671753	1433.726074
## 3026	1835.5371	1502.873413	1304.205933
## 3027	2168.5942	877.354065	878.424377
## 3028	1731.5997	1473.655884	2120.768555
## 3029	2244.8845	1173.884155	1478.860962
## 3030	1691.9225	1319.081787	1951.216797
## 3031	2026.6534	1277.197876	1590.387939
## 3032	2549.3025	1195.209106	1496.493774
## 3033	1116.0959	1291.463379	1653.422607
## 3034	1541.5587	1249.834351	1656.081177
## 3035	2250.1682	1437.079102	1910.044922
## 3036	1895.0730	715.869751	1221.666626

## 3037	1791.0674	1211.914917	1739.832153
## 3038	2613.2234	1045.000610	1286.198364
## 3039	2527.5603	1444.358276	1486.292358
## 3040	2709.2856	1080.945068	1511.104004
## 3041	2855.9280	1144.917603	2326.379150
## 3042	2375.9949	1387.962402	1773.377197
## 3043	2792.6045	1520.721680	1937.585327
## 3044	2818.6597	1177.055298	1085.591553
## 3045	2205.9602	507.850372	958.447876
## 3046	2499.6255	1997.171143	2199.569092
## 3047	1595.5161	1394.611572	2075.984863
## 3048	1977.7803	930.209961	1049.726929
## 3049	1726.0288	1201.927734	1148.199951
## 3050	2561.6572	2009.177490	2890.974365
## 3051	1566.7347	2422.386475	2051.744873
## 3052	2228.4077	826.652710	921.559021
## 3053	2078.9072	1432.607910	1618.915283
## 3054	1657.2576	1209.120972	1349.767944
## 3055	2329.5203	1307.700562	1071.111450
## 3056	1600.5133	1336.833984	1142.140137
## 3057	2774.5547	1569.697632	1221.137085
## 3058	2273.6694	1329.833252	1015.006226
## 3059	1935.7251	961.046875	666.183228
## 3060	2095.9902	1480.219727	1555.286865
## 3061	2253.8604	1068.540649	974.536926
## 3062	1829.3549	1098.461914	994.398376
## 3063	2146.2874	1217.336914	1303.809204
## 3064	2796.3477	1041.626709	1013.257141
## 3065	2591.1960	688.904297	569.218201
## 3066	1996.4889	1350.863403	1063.368042
## 3067	2131.5176	1353.981323	1628.145752
## 3068	2022.2563	1430.136963	1159.290405
## 3069	2347.3379	1640.891846	1158.735107
## 3070	1554.8660	1261.284424	1033.516968
## 3071	1055.3892	1371.292114	1237.486816
## 3072	957.8209	1203.248535	1195.974609
## 3073	1556.3192	1281.979004	1404.591675
## 3074	1902.9946	1208.290649	1432.402222
## 3075	1521.3739	1161.013672	1048.559326
## 3076	1437.6791	1439.610962	1522.730591
## 3077	1338.5598	1298.691528	1555.112549
## 3078	1703.1437	1284.354858	2238.334229
## 3079	2161.1748	1467.057739	2304.577148
## 3080	1340.2881	1278.668579	1882.252075
## 3081	2411.8682	1458.068237	1716.507568
## 3082	996.0123	1796.177612	2575.410889
## 3083	762.6399	1047.676636	1308.306885
## 3084	1949.2383	968.049316	1150.133423
## 3085	2343.0852	1074.504272	1562.568115
## 3086	2816.8865	1181.489624	1377.541504
## 3087	1758.5555	179.950653	429.897736
## 3088	1317.6897	1142.153442	2001.045410
## 3089	1055.5012	1629.600952	1832.139893
## 3090	1000.2151	1392.015747	1770.036865

## 3091	902.7448	1140.080200	1768.056519
## 3092	712.8085	1167.692383	1680.394409
## 3093	642.4839	1533.581665	1788.047607
## 3094	896.1855	1162.359741	1641.702148
## 3095	1599.4158	1316.323608	1631.003784
## 3096	946.4982	1227.701782	1538.908447
## 3097	2841.2490	454.965027	1043.560303
## 3098	1094.6748	1548.341797	1754.623901
## 3099	1520.3309	1504.957031	1760.193115
## 3100	1861.1013	891.779297	1101.709229
## 3101	1737.2931	1191.982666	1647.134888
## 3102	1357.9257	1355.551758	1765.835938
## 3103	1807.8212	1240.343872	1687.918823
## 3104	1369.6995	1185.158936	1587.758179
## 3105	2049.5337	1771.029541	2187.825928
## 3106	1717.2117	1208.954468	1793.400757
## 3107	1579.6261	539.651489	1016.337463
## 3108	2812.2739	1696.224365	2898.479736
## 3109	461.6835	1273.483887	1743.492188
## 3110	1264.1648	1221.959717	1376.105103
## 3111	1266.5789	882.588074	1375.612183
## 3112	1246.5641	1318.282104	1661.763428
## 3113	2006.8309	1460.403076	1885.093384
## 3114	1206.0966	950.986694	1432.083740
## 3115	906.2756	1412.882080	1566.887817
## 3116	566.3524	1740.506714	2019.816162
## 3117	1872.9171	1675.284424	1757.487671
## 3118	869.2834	1645.846313	1868.843384
## 3119	1688.3442	454.821777	1023.974854
## 3120	1644.9250	1298.420288	1258.158691
## 3121	2857.5139	683.250488	1542.126343
## 3122	1902.0476	1201.314697	1528.484985
## 3123	1957.7635	1039.581299	1162.232788
## 3124	2314.4346	1621.497192	2590.239746
## 3125	2011.3723	313.035583	899.171997
## 3126	2116.6313	1534.884766	1377.593262
## 3127	2686.9187	1142.471924	1172.964600
## 3128	2609.6099	1590.812256	1211.946411
## 3129	2718.3687	1158.096924	1039.930542
## 3130	1777.1482	1189.560181	1081.877075
## 3131	2544.3022	991.978882	1278.553833
## 3132	2867.1169	1013.756958	1268.700073
## 3133	2876.4265	1182.855591	1245.662109
## 3134	2217.1201	1486.403687	1533.294189
## 3135	1704.2988	932.003723	1310.838989
## 3136	2783.6157	984.610168	1301.366089
## 3137	2295.6470	643.643982	801.589478
## 3138	2798.8899	910.797485	728.666504
## 3139	1931.6813	600.172485	939.029724
## 3140	2514.3223	499.942871	492.797760
## 3141	2369.1296	1092.172852	1331.417847
## 3142	1504.9211	2011.021851	1984.992554
## 3143	1399.7103	1595.790649	1925.732056
## 3144	1685.5620	1636.046509	1755.269165

## 3145	1060.4596	2055.693604	2255.788818
## 3146	1322.5746	1362.122925	961.889587
## 3147	2192.9009	892.187439	1313.126831
## 3148	1837.2360	1128.158813	1264.793823
## 3149	1825.3738	1603.107300	2141.741455
## 3150	1767.6533	1311.500977	1180.728027
## 3151	1452.5090	1258.800293	1271.824829
## 3152	1579.0170	1638.655518	1168.520264
## 3153	1706.9233	1556.593262	1079.972168
## 3154	2273.4087	979.421143	1092.264404
## 3155	1477.0280	1085.424438	951.129028
## 3156	1163.7050	1805.354980	1608.036865
## 3157	2862.7190	1154.440918	1318.250366
## 3158	959.4175	1154.320068	833.745850
## 3159	1005.5473	838.102173	578.031006
## 3160	991.8958	792.688416	500.513550
## 3161	827.0065	983.268494	767.131042
## 3162	2876.7041	701.392273	518.949219
## 3163	2357.6694	660.914307	544.371399
## 3164	2885.6711	610.318176	487.298431
## 3165	2336.9258	735.414246	675.161621
## 3166	2874.5308	415.996429	443.464661
## 3167	2277.1333	23.817373	32.406307
## 3168	2111.0005	1091.832642	1216.630127
## 3169	1991.8440	683.978577	808.478699
## 3170	1646.8181	920.138123	1075.307617
## 3171	2044.8000	431.026337	474.639679
## 3172	1842.7067	957.691162	471.881592
## 3173	1910.3080	1036.094727	885.943054
## 3174	1969.1000	1025.374756	1222.829102
## 3175	2549.4473	1131.409668	1181.494873
## 3176	1906.7156	817.377441	765.278198
## 3177	1610.5381	1079.339844	936.623535
## 3178	1813.2067	1114.013062	892.732239
## 3179	1548.1937	1103.786133	907.518921
## 3180	2565.3660	829.369873	778.087952
## 3181	2532.4175	1102.086670	809.091125
## 3182	1900.2076	1137.038574	992.669250
## 3183	2883.9148	843.637268	866.231140
## 3184	2760.8557	1288.728394	1221.020020
## 3185	2914.0908	3159.793457	2092.640137
## 3186	1668.1368	765.730591	954.582092
## 3187	2049.5872	1636.779541	1741.217896
## 3188	2745.9207	1669.099854	1252.525269
## 3189	2036.2703	1452.852417	1003.981567
## 3190	2469.9233	1241.678833	1208.980469
## 3191	1333.0505	1341.554199	1070.748291
## 3192	1296.9227	1200.213501	1417.553101
## 3193	1932.8113	921.465393	1481.902710
## 3194	1977.0411	1336.711304	1263.572388
## 3195	2090.0129	1227.969604	1104.009277
## 3196	1077.7805	879.159485	1535.840576
## 3197	1156.1742	1234.159546	1660.683716
## 3198	1180.6200	1344.637207	1731.847778

## 3199	698.4002	1159.212280	1714.109741
## 3200	1484.1398	577.730530	1200.418335
## 3201	1784.4069	1252.240234	1306.373657
## 3202	1140.3375	876.553650	1452.977295
## 3203	1423.5067	806.563965	1252.526245
## 3204	1471.5505	565.386414	1138.940186
## 3205	1578.9020	1756.187988	1976.335449
## 3206	791.3633	1017.177795	1472.991333
## 3207	2020.7264	597.216980	1011.429138
## 3208	2837.5142	1117.950806	1830.604004
## 3209	1515.1162	1244.175049	2177.384766
## 3210	1110.6238	909.875671	1329.328613
## 3211	1327.9738	646.128601	876.438843
## 3212	1193.9094	1780.504639	1800.474976
## 3213	1192.0023	1448.154663	1956.856812
## 3214	2734.4590	1479.437256	1795.936157
## 3215	2287.2864	1534.917358	1964.211426
## 3216	1465.8490	1482.367432	2259.591064
## 3217	1563.2388	1485.564819	1665.999268
## 3218	2840.9331	1528.136475	1650.428223
## 3219	2816.3633	801.552429	1072.498047
## 3220	1407.1824	1763.975830	2149.010742
## 3221	1472.6133	1172.318359	1651.005371
## 3222	1064.8835	1716.964966	2095.447021
## 3223	1025.2115	1815.134521	1779.386963
## 3224	1208.1807	1310.883789	1608.791138
## 3225	1167.2988	1920.607178	2062.515137
## 3226	595.3811	1355.775879	1705.431885
## 3227	886.3700	1359.519165	1686.479736
## 3228	630.8055	1384.405762	1608.593140
## 3229	1145.0573	1564.378906	1750.684204
## 3230	507.7096	1322.938721	1703.901489
## 3231	1021.9621	1353.605835	2043.035400
## 3232	523.8507	1357.096558	1765.762207
## 3233	1899.3851	1390.084595	1851.882324
## 3234	1125.6379	1433.473511	1642.938477
## 3235	1074.1357	1682.946045	1818.129395
## 3236	837.0381	938.902832	1381.782959
## 3237	743.7065	676.457336	1022.817200
## 3238	599.9991	888.817200	1328.527100
## 3239	910.9689	865.988770	1232.990601
## 3240	810.6635	806.046509	1412.840454
## 3241	2100.4958	772.703857	1341.942383
## 3242	978.2997	842.261963	1243.565308
## 3243	1219.0852	822.372864	1218.410278
## 3244	2311.3962	532.543152	1360.084473
## 3245	1757.1410	923.499268	1121.585083
## 3246	1142.0093	915.160339	1376.495483
## 3247	635.1052	1146.333374	1560.419556
## 3248	1482.6562	1838.047852	1983.424805
## 3249	1016.8013	1323.560791	1501.329346
## 3250	1771.1140	1517.928589	1993.844604
## 3251	1220.6145	1185.887329	1613.623657
## 3252	793.8802	1699.529907	1942.661743

## 3253	1232.8392	1747.950928	2521.765137
## 3254	1340.7777	1376.865356	1738.540771
## 3255	939.3052	1864.277588	2646.698242
## 3256	1050.2412	1462.573364	2110.292725
## 3257	1805.9901	1559.266357	2127.933105
## 3258	934.0750	1988.649292	2593.595947
## 3259	1405.0299	1669.184082	2293.125488
## 3260	1412.2804	1737.295532	2159.968750
## 3261	1003.7423	1722.213623	1981.090454
## 3262	997.1843	1327.266724	1787.576172
## 3263	907.1443	1830.174683	2367.484863
## 3264	827.6700	1685.164429	2272.902832
## 3265	1108.4060	1681.557251	2178.138184
## 3266	1749.1597	1934.765869	3021.280273
## 3267	1140.7668	1753.519287	2552.315186
## 3268	1291.1768	1435.688477	1737.343994
## 3269	2054.0178	1609.421387	1518.776855
## 3270	1350.3120	1721.548828	1969.130981
## 3271	949.2259	819.303772	1377.105469
## 3272	1483.1567	338.620575	896.373596
## 3273	1205.0813	910.918091	1469.568726
## 3274	726.8393	1533.443604	2074.498779
## 3275	861.1872	1612.428101	2358.118652
## 3276	1473.3649	2267.425293	2447.007568
## 3277	1255.0178	1287.420776	1575.881470
## 3278	600.2785	1698.978271	2125.278076
## 3279	1208.3075	1277.220093	1750.038452
## 3280	1233.4001	1830.821167	2440.654541
## 3281	981.3204	1729.149170	2430.995361
## 3282	793.9168	1713.352539	2480.135254
## 3283	1576.8298	810.594116	1295.857910
## 3284	1355.8109	1415.022461	2327.283936
## 3285	1644.7576	858.081604	1445.562500
## 3286	990.6080	1342.493896	1689.573608
## 3287	1099.5388	1609.920044	2428.508301
## 3288	1413.9668	1469.096191	1998.553711
## 3289	1593.4463	1471.583984	1854.746948
## 3290	1833.9125	1466.322998	2076.664795
## 3291	746.8101	1384.266113	1671.320557
## 3292	1898.3519	1592.576172	1902.705933
## 3293	1073.6440	916.121887	1355.931641
## 3294	2416.1650	310.801147	558.187805
## 3295	2098.5808	1306.114258	1334.540649
## 3296	1593.8635	984.712402	1218.377930
## 3297	2331.8193	1129.801880	1473.966553
## 3298	1151.7745	1245.324951	2041.110229
## 3299	1288.7463	1030.197754	1542.111938
## 3300	990.1723	1598.423828	1876.053589
## 3301	940.7906	1465.002319	1736.325806
## 3302	1149.0415	1436.482666	2115.462646
## 3303	1177.6379	1855.666138	2453.127441
## 3304	1515.0994	1427.897705	1766.084106
## 3305	1582.6975	1431.692749	1756.295776
## 3306	969.0215	1575.785889	1812.781250

## 3307	1781.9952	991.706238	1190.596069
## 3308	1138.2708	1306.492310	1626.405518
## 3309	1835.8452	1544.012207	1964.107910
## 3310	2338.3906	1482.955688	1299.364136
## 3311	2209.4021	1643.987427	1632.682495
## 3312	2175.3186	1361.359741	1519.545044
## 3313	2841.7783	1204.530396	1799.142212
## 3314	2429.0979	929.474243	1048.681030
## 3315	2873.2371	602.805847	796.631714
## 3316	2882.7673	197.812576	234.070099
## 3317	1632.3877	1180.388306	1097.398071
## 3318	2030.3947	962.817078	877.579407
## 3319	2069.5000	1067.099976	2078.588623
## 3320	2639.4199	2119.784424	1742.302246
## 3321	2802.4199	1441.702026	1194.746826
## 3322	2789.6252	472.610504	716.208435
## 3323	2242.7188	1141.103638	953.065247
## 3324	2442.2192	2083.996094	1889.378174
## 3325	2338.6255	1262.136841	2066.868896
## 3326	2462.4695	1757.377563	2018.460571
## 3327	1978.1550	733.483521	1062.785889
## 3328	1634.4324	1431.314209	1910.347534
## 3329	2080.9692	1521.481079	2147.614258
## 3330	1475.3379	1387.061157	2033.534790
## 3331	2852.6865	859.217468	2032.477173
## 3332	1246.7596	1190.944702	1966.554077
## 3333	2290.0867	815.295898	1487.906372
## 3334	2380.4282	566.760986	769.532104
## 3335	2215.7676	991.545898	1530.027344
## 3336	2179.9917	989.413757	1352.493408
## 3337	1644.3081	730.687500	1432.349609
## 3338	2105.9507	1483.222656	1656.708984
## 3339	1572.7349	1449.815552	2759.269775
## 3340	2822.1753	796.557983	1153.962036
## 3341	2833.8113	682.091919	1250.821411
## 3342	846.7998	1400.192749	2193.904541
## 3343	1646.4023	1767.891968	1449.053589
## 3344	1015.1992	1813.904785	1372.038208
## 3345	2193.0300	1596.695190	1147.852539
## 3346	2508.8633	1608.739990	1204.209473
## 3347	2889.4463	1043.756958	831.154114
## 3348	2368.8037	1977.047119	1383.271973
## 3349	2847.0872	1719.054321	1175.885010
## 3350	2889.8457	1188.958252	708.930664
## 3351	2242.1641	1544.972046	999.120728
## 3352	2095.2039	1086.827271	1310.346802
## 3353	2800.8074	879.509949	776.300781
## 3354	2842.2798	2422.948730	1497.567993
## 3355	2826.5291	1107.139526	626.599548
## 3356	1621.6241	1270.589844	1235.259766
## 3357	2304.6016	736.333435	792.276123
## 3358	1630.8407	669.465332	685.138428
## 3359	1676.0948	926.472717	1110.920898
## 3360	1677.2323	957.157532	950.825562

## 3361	2615.0999	398.007782	462.323547
## 3362	2003.1511	814.083801	811.228943
## 3363	1185.0122	954.998962	1097.532715
## 3364	2822.2300	568.186096	834.146240
## 3365	2220.1309	839.225830	786.760193
## 3366	1739.2810	1264.606567	1134.564697
## 3367	2217.3757	900.688782	1229.090942
## 3368	1699.5870	1018.848328	1099.040405
## 3369	2020.1562	647.629822	872.777832
## 3370	2606.5535	1065.530151	1280.084839
## 3371	1115.0488	1291.508911	1426.856201
## 3372	1557.6964	1339.620605	1835.275024
## 3373	2227.3035	1361.562866	1651.580811
## 3374	1889.7063	909.811584	1578.571411
## 3375	1784.3470	1352.785767	1762.596680
## 3376	2634.7966	1228.812744	1195.094971
## 3377	2514.0930	978.521423	1482.866211
## 3378	2695.6714	1288.968262	1826.039307
## 3379	2836.0645	498.384552	911.019836
## 3380	2391.4624	1571.301392	2018.335571
## 3381	2792.5496	744.029846	789.299561
## 3382	2827.6006	2247.253418	2550.401611
## 3383	2229.3525	841.663757	1502.170410
## 3384	2525.5291	893.047180	1438.676392
## 3385	1584.6859	1191.033081	1659.852295
## 3386	1994.9691	1209.043579	1486.217285
## 3387	1536.6737	1493.290039	2111.551758
## 3388	1543.1764	1234.225586	1761.990112
## 3389	2663.4121	642.967102	1167.919312
## 3390	1477.6503	1459.736450	1989.402222
## 3391	1424.0399	1595.584229	1752.126465
## 3392	1992.5558	2111.980957	1218.838867
## 3393	1567.1158	1401.952271	1055.353394
## 3394	2874.9590	724.394409	677.173401
## 3395	1627.1360	810.084045	699.143738
## 3396	2874.7715	963.341553	989.119446
## 3397	1778.6858	1019.749451	993.592407
## 3398	2880.8669	2072.987061	1930.760864
## 3399	2856.8652	1036.422119	1126.407227
## 3400	856.1611	1086.307251	1206.047729
## 3401	1520.4475	595.769287	1354.461182
## 3402	1408.6937	972.799194	1355.987427
## 3403	982.7856	1444.739746	1942.528687
## 3404	873.4943	1308.515381	1597.382690
## 3405	1070.9307	1405.567383	1577.043213
## 3406	985.8921	1404.379639	1525.276489
## 3407	2861.7395	952.948120	1639.953857
## 3408	1020.6919	1657.889038	2061.844971
## 3409	909.9257	1238.637085	1862.513306
## 3410	429.8593	1566.881714	2004.142700
## 3411	588.7579	1510.650513	1652.573975
## 3412	900.3160	1535.948242	1724.184692
## 3413	1115.7870	1143.314575	1663.833374
## 3414	1364.8834	1486.883301	2136.165283

## 3415	1376.5953	1149.200195	1571.159912
## 3416	1055.2042	1442.100952	1672.639282
## 3417	619.2185	1305.991089	1658.058594
## 3418	986.1501	1708.713013	1966.238770
## 3419	849.0110	1425.253906	1687.860107
## 3420	996.6835	1559.815308	1832.446045
## 3421	1182.1472	979.488708	1643.434814
## 3422	1137.4453	1536.305786	2317.908203
## 3423	1018.7225	1150.495605	1763.551392
## 3424	1570.1306	1178.323853	1876.433594
## 3425	1152.0618	1135.293945	1570.980957
## 3426	1059.0383	1653.707520	1942.407227
## 3427	1088.2924	1700.926147	1856.022705
## 3428	897.3823	1457.674072	1775.796021
## 3429	939.7238	1367.517944	1920.984741
## 3430	1295.6495	1184.104736	1480.209717
## 3431	1174.9968	1262.189087	1901.856445
## 3432	880.3497	1556.595581	2054.581787
## 3433	1171.7592	1778.849731	2423.055420
## 3434	915.2812	1492.039429	2581.851562
## 3435	1496.4358	1082.085571	2177.147217
## 3436	950.6889	1394.789795	1905.525879
## 3437	1922.2197	552.231445	1032.583618
## 3438	785.4556	1612.824707	2161.209961
## 3439	1145.4247	1382.288452	1980.560303
## 3440	954.3516	1529.371948	1758.622559
## 3441	1309.5415	1479.069092	1967.918457
## 3442	1920.0557	976.731995	1256.861450
## 3443	1705.5858	1716.090332	1636.511475
## 3444	904.0024	1534.285767	1954.741089
## 3445	1622.6124	1253.968628	1268.590210
## 3446	2421.1023	2280.916992	2834.246826
## 3447	950.7307	1365.225830	1886.433228
## 3448	2388.6702	1390.895630	1914.028076
## 3449	2362.1558	993.437683	1206.258057
## 3450	1838.1713	195.098358	445.440765
## 3451	2864.5591	2383.720703	3308.838135
## 3452	2231.3481	672.293579	944.128601
## 3453	2560.9270	2271.386963	1894.146484
## 3454	2287.3164	1328.761597	1681.707642
## 3455	2769.7920	1607.136475	2712.761719
## 3456	2597.0574	1147.889893	1659.711548
## 3457	2587.6394	939.723816	1229.104614
## 3458	2735.0574	755.474548	1073.163696
## 3459	2854.3901	1764.703369	2229.464600
## 3460	2285.8608	305.358246	419.964325
## 3461	2862.2825	1234.124268	1134.711182
## 3462	2870.3701	1337.326538	1107.099854
## 3463	2571.5889	96.074989	164.333450
## 3464	2508.7715	3029.742676	1977.889404
## 3465	2312.6707	1447.022461	812.201843
## 3466	2030.0354	817.958130	495.855743
## 3467	2123.1091	959.231689	542.393311
## 3468	1766.3530	543.092407	273.927856

## 3469	1698.4440	777.053833	508.197662
## 3470	2210.3938	620.140625	435.638275
## 3471	1996.6279	805.013245	535.481445
## 3472	2071.5999	812.071350	483.500427
## 3473	2412.3870	841.870605	521.402405
## 3474	1985.0261	662.635132	400.774841
## 3475	1670.0498	794.384155	442.947296
## 3476	2898.7017	865.113892	1255.012695
## 3477	2887.3613	2666.321289	2237.649658
## 3478	2268.4121	131.208557	273.739136
## 3479	2168.0874	1252.797974	1528.640381
## 3480	2360.2703	1364.450928	1702.307373
## 3481	2387.7456	1914.636353	1320.647949
## 3482	2770.5349	1136.659302	828.540894
## 3483	2516.9756	1204.358032	725.423401
## 3484	1985.0453	1497.269409	1016.233154
## 3485	2665.8860	1349.708130	1072.894043
## 3486	2805.5525	866.546753	900.798828
## 3487	2158.7949	1288.878418	798.263611
## 3488	1719.5168	1323.238281	1252.646729
## 3489	2013.6206	1151.829956	847.445984
## 3490	2770.2817	843.198242	1000.908386
## 3491	2793.4436	918.136597	1124.734253
## 3492	1386.2277	1393.661377	1528.965088
## 3493	1923.5183	1487.491455	930.938660
## 3494	2460.8521	947.086304	853.334290
## 3495	2881.5176	166.502228	419.336182
## 3496	2870.2480	1468.109009	1465.202026
## 3497	2840.5618	991.705872	1044.480591
## 3498	1593.6344	1375.138428	1466.307495
## 3499	1834.8099	1402.071655	1416.949341
## 3500	1958.8036	954.783752	1024.261108
## 3501	1911.9301	988.798706	883.034180
## 3502	1860.5165	1221.017700	1335.469604
## 3503	1770.5734	1477.521973	1372.666626
## 3504	2689.5137	847.417847	930.630737
## 3505	2210.1997	996.821777	1125.907227
## 3506	2108.3445	1361.442139	1527.999146
## 3507	1731.1367	1387.007935	1382.875977
## 3508	1202.5679	1094.756104	1206.926636
## 3509	1981.1602	1367.728271	1773.727783
## 3510	1559.2168	1266.531860	1245.778564
## 3511	1798.3229	1077.178101	1209.657104
## 3512	945.2346	1372.208130	1451.973389
## 3513	1932.5292	1163.431641	1425.533936
## 3514	1563.3920	827.011963	992.280212
## 3515	1471.3063	1171.409302	1276.881592
## 3516	1087.2565	1189.161865	1284.104248
## 3517	2855.0933	1656.332397	1746.256348
## 3518	2393.0642	620.263855	963.358826
## 3519	2861.2939	754.210815	749.247314
## 3520	2318.4412	847.310791	929.609375
## 3521	2830.0164	1771.451782	2070.456543
## 3522	2235.9673	961.679565	1032.404175

## 3523	2098.9993	800.723206	1247.439819
## 3524	2050.9211	894.350891	1004.061401
## 3525	1766.4471	1181.865356	1315.670044
## 3526	2564.5840	782.632446	841.212524
## 3527	2319.6726	782.842651	931.780579
## 3528	2162.6887	800.254700	929.882935
## 3529	1712.3759	849.698364	1329.141602
## 3530	2089.2524	976.785583	1032.532837
## 3531	1944.3508	801.820251	954.922546
## 3532	2478.5469	652.259155	724.869873
## 3533	2739.8794	1795.708984	1515.390625
## 3534	1584.3613	917.885437	892.115540
## 3535	1658.0652	717.720825	363.431885
## 3536	2044.8715	755.468933	408.953003
## 3537	2008.4407	761.200073	340.359314
## 3538	1633.9490	764.242859	475.800751
## 3539	2054.3667	906.081299	663.278748
## 3540	1893.8319	1112.516968	1196.224365
## 3541	1927.4919	1101.023804	1250.251465
## 3542	1955.7181	875.207764	734.487305
## 3543	2526.2273	1591.482300	2255.865479
## 3544	1924.7798	1068.565796	1567.035278
## 3545	1618.8702	1372.947144	1501.925049
## 3546	1747.0652	994.831543	535.566223
## 3547	1532.4938	1231.252197	1224.911987
## 3548	1981.2755	1124.861938	1093.159302
## 3549	1934.1327	818.722229	725.297485
## 3550	1658.2904	1006.648926	990.171936
## 3551	2188.0452	1138.226929	809.914917
## 3552	919.3041	1148.297363	865.167664
## 3553	1432.6530	1701.125977	1739.526855
## 3554	1272.7231	457.495361	989.071167
## 3555	1904.5811	1300.089233	1575.644043
## 3556	1431.5682	1555.791016	1773.930298
## 3557	1293.3005	1559.430298	1890.833374
## 3558	1552.7888	1231.162720	1824.658569
## 3559	1675.5798	1409.197144	1649.914062
## 3560	720.5013	1191.071899	1476.931274
## 3561	1577.8024	1486.993042	2021.604736
## 3562	1913.3501	1474.338135	2069.079102
## 3563	2135.8496	1410.767456	1860.180298
## 3564	905.3069	1739.274780	2082.604004
## 3565	1324.5834	1458.411255	1891.276978
## 3566	1537.0525	1648.775513	2396.710449
## 3567	1201.3861	1736.061035	1896.145630
## 3568	1171.7665	1403.394409	1788.396240
## 3569	1349.3008	1098.339478	1612.058960
## 3570	906.5214	1475.459106	1798.670776
## 3571	1491.7659	1273.847046	1775.825562
## 3572	1708.1729	1231.584595	1638.000366
## 3573	1532.7372	1828.924194	2769.963379
## 3574	1050.1019	1562.688965	1586.235596
## 3575	1711.7426	1416.740112	1705.296509
## 3576	1508.1962	1396.104614	1787.952759

## 3577	1155.2081	1415.673340	1947.160034
## 3578	2238.3049	1239.883057	1373.691528
## 3579	1436.7611	1850.834839	2439.881592
## 3580	771.7010	1604.059326	2011.165527
## 3581	1232.6700	1777.161743	2348.785400
## 3582	906.4482	1316.071533	1710.910767
## 3583	1236.3352	1510.854980	2086.334473
## 3584	2443.4619	1168.377930	1622.021362
## 3585	1447.8973	1565.401001	1934.874634
## 3586	1180.1102	1325.540283	1686.409058
## 3587	1546.6464	1613.483154	1682.087646
## 3588	2860.8813	846.617737	1022.963623
## 3589	1713.6257	1638.289062	1871.388550
## 3590	875.6182	1385.230957	1584.774536
## 3591	805.9552	1494.007202	2012.075073
## 3592	748.9991	1648.982178	2062.245605
## 3593	942.5540	1253.097046	1523.024414
## 3594	1369.4969	1381.241455	1594.723999
## 3595	1254.3987	1603.207886	1800.247192
## 3596	1059.7976	1413.645996	1640.329712
## 3597	1965.9175	2217.772217	2349.196289
## 3598	1394.0400	1164.096680	1534.475830
## 3599	1451.3621	1683.579834	2222.524170
## 3600	865.6932	1404.789307	1690.676758
## 3601	1891.4037	1516.681274	1859.947021
## 3602	1253.5090	962.229614	1022.487366
## 3603	1478.6880	1141.547607	1412.590210
## 3604	900.9636	1445.172119	1722.505737
## 3605	2362.7346	1931.380005	2274.982178
## 3606	2585.0569	2367.505859	2863.830322
## 3607	2591.0515	781.142883	1324.591064
## 3608	2872.6660	1412.129150	1503.021240
## 3609	2861.5706	1130.981567	1542.049561
## 3610	2254.8928	368.528687	440.431671
## 3611	1712.5677	1429.354858	1836.099243
## 3612	2883.5945	534.447632	835.027527
## 3613	2349.0779	1519.935059	2260.523193
## 3614	2211.8621	778.425598	1202.519653
## 3615	2363.5789	1401.447998	2749.240723
## 3616	2505.0312	1316.168945	1177.534302
## 3617	2395.1377	540.254944	592.674377
## 3618	1493.4603	1250.719116	1357.338013
## 3619	1392.6241	905.334961	995.881836
## 3620	1640.5724	1316.312500	1430.792847
## 3621	2769.7837	551.587708	396.150208
## 3622	2184.9897	819.130249	1315.118530
## 3623	2332.7200	776.590576	845.476318
## 3624	2160.6511	727.508789	1120.421387
## 3625	1641.5503	2162.503174	2141.082275
## 3626	2424.5022	1244.317505	1236.467407
## 3627	2536.4192	970.388184	955.832642
## 3628	1881.4801	1884.765381	2358.216064
## 3629	2866.6116	1123.686646	1145.504272
## 3630	2780.2896	1091.341431	1135.443848

## 3631	2865.0198	1694.619141	1634.814209
## 3632	1703.7164	1295.000366	1009.109192
## 3633	2098.2632	1629.575806	1752.291260
## 3634	2697.0339	1200.664551	970.483032
## 3635	2045.3597	555.112488	804.365906
## 3636	2417.5945	1779.233154	1838.141357
## 3637	1319.4744	1204.941040	1146.246826
## 3638	1302.1499	1417.842651	2041.276245
## 3639	2822.5474	1298.751953	1328.861816
## 3640	2808.6440	1532.143799	1578.116333
## 3641	2839.2283	1601.123901	1204.552246
## 3642	1619.6746	1439.037598	1110.279419
## 3643	2315.5479	1287.964478	1073.884399
## 3644	1631.3876	1288.757690	1085.558716
## 3645	1648.4924	1078.131958	1297.121216
## 3646	1677.3005	1230.118774	1392.294800
## 3647	2650.3101	1322.785522	1814.498535
## 3648	2017.8466	1066.343262	1196.830688
## 3649	1201.6119	1203.884033	1621.274048
## 3650	2863.2908	801.453979	689.860718
## 3651	1844.3732	569.830505	632.150574
## 3652	2552.1357	988.566162	1295.061523
## 3653	1536.9520	896.869385	1064.848267
## 3654	2175.1062	1045.651367	1302.156860
## 3655	2058.2612	744.459778	956.536499
## 3656	1629.4048	1286.833008	994.104248
## 3657	2289.9360	774.340515	924.614136
## 3658	1571.9248	999.794922	1142.044922
## 3659	2714.4275	653.331360	926.592407
## 3660	2210.6882	708.376709	915.989319
## 3661	1926.0138	895.495056	1012.707214
## 3662	2102.4497	1643.749023	1771.257568
## 3663	2281.2283	3641.444580	1738.987305
## 3664	1838.6592	1333.767822	1954.154175
## 3665	2153.9419	1143.604736	1287.311401
## 3666	2897.0168	1433.250366	2265.630371
## 3667	2554.1646	857.009216	1007.858704
## 3668	2006.7505	1274.213867	1421.121826
## 3669	2152.2727	1366.578247	1060.466553
## 3670	2030.1187	1225.367920	887.424683
## 3671	2335.5481	1097.682739	984.377136
## 3672	1556.2476	1275.070923	998.796997
## 3673	1579.4987	1425.888306	1379.879395
## 3674	1572.6086	1129.321655	987.980591
## 3675	2707.5120	926.276489	814.827942
## 3676	1499.6925	1239.803833	1118.033203
## 3677	1442.3336	1338.503662	1265.238281
## 3678	2001.1541	1744.360962	1144.015015
## 3679	1568.5393	1379.999634	1119.486694
## 3680	2888.2737	1186.691895	1040.061646
## 3681	1636.5363	1041.434937	817.064819
## 3682	2860.8203	2596.547852	1471.672729
## 3683	1041.4424	1315.014893	1027.589233
## 3684	970.5761	1318.648193	1237.272583

## 3685	1553.5547	1213.850098	1030.488525
## 3686	1906.7662	988.161194	1068.209229
## 3687	1533.2756	786.271179	1034.281372
## 3688	1432.0936	1904.258179	1955.367798
## 3689	1345.2021	1073.168945	1090.204834
## 3690	1686.1552	1387.377441	1320.560547
## 3691	2120.7231	1086.312134	1313.868652
## 3692	1338.7499	1222.818848	1311.583008
## 3693	1567.7393	1155.498779	1053.739380
## 3694	2168.0271	1012.406128	1260.068481
## 3695	836.9949	1446.638794	1963.378174
## 3696	1086.0848	2129.214844	2955.574951
## 3697	712.2130	1160.158569	1864.637451
## 3698	928.2692	1178.124878	1407.123657
## 3699	1032.4569	1635.669067	1802.722778
## 3700	1591.2308	1378.678833	1790.171753
## 3701	1595.5770	1428.260620	1550.426758
## 3702	1924.2292	1485.385376	1662.947266
## 3703	1553.4584	1158.875000	1544.460938
## 3704	2150.4661	730.270447	1743.954956
## 3705	1757.9810	2659.778320	3893.121094
## 3706	810.4677	1782.318359	2081.862305
## 3707	928.0050	1680.389160	2133.878906
## 3708	1253.3850	1670.481079	2062.279297
## 3709	1235.3857	1396.182617	1418.031128
## 3710	2039.1257	1153.696167	1198.407471
## 3711	1491.7062	1357.969116	1539.130981
## 3712	1098.4357	1686.296875	1908.191284
## 3713	629.5303	1478.409912	1942.950562
## 3714	877.2083	1328.643799	1752.797974
## 3715	991.9673	1222.183594	1503.804932
## 3716	1340.8396	1515.226074	1906.718018
## 3717	1220.5858	1568.930786	2269.887451
## 3718	1274.0532	1002.145386	1431.351685
## 3719	670.2260	1599.577148	1886.787598
## 3720	1094.8690	1456.857666	1958.536133
## 3721	2669.9453	1702.663574	1508.081177
## 3722	1223.8342	1317.184326	1363.603271
## 3723	2074.5728	1117.223267	1405.075195
## 3724	1904.0326	1176.454224	1670.022339
## 3725	1181.6531	1562.155396	2006.527832
## 3726	2414.1040	569.346191	614.247131
## 3727	2494.8420	1239.796387	1103.288940
## 3728	2729.3181	282.608704	959.474609
## 3729	2866.8909	1192.111816	1258.358398
## 3730	2193.8462	1539.756104	1693.913208
## 3731	1751.7103	1186.618896	1313.318237
## 3732	2038.7349	1543.375854	1450.112183
## 3733	2784.7595	1027.960205	1142.395386
## 3734	2871.1541	1224.985352	1318.324463
## 3735	1405.5408	1065.016968	1015.539246
## 3736	1944.2701	1335.734863	1421.516724
## 3737	2505.8135	1436.441650	1262.620728
## 3738	2853.2397	709.088867	1048.797119

## 3739	2859.3501	1010.982361	1046.901245
## 3740	2868.7446	1251.157715	1398.974609
## 3741	1584.7386	1228.255981	1342.832275
## 3742	1856.9841	1374.387207	1484.522827
## 3743	1942.5127	950.720642	1194.321411
## 3744	1903.7097	1181.301758	1400.009521
## 3745	2379.2395	592.232361	811.285400
## 3746	2852.7871	1628.059570	1804.443237
## 3747	2844.2061	1064.237305	1203.953369
## 3748	2272.4705	1942.163940	1681.159912
## 3749	2234.1396	1373.692261	1617.052856
## 3750	2493.3054	1270.775146	1457.712524
## 3751	2660.4424	1419.402466	1361.145508
## 3752	2064.0154	918.648315	927.225525
## 3753	1700.4481	1269.081909	1291.905518
## 3754	1986.1451	1356.451050	1279.326416
## 3755	2337.3743	1116.569092	1758.593018
## 3756	2169.0217	1208.093384	1438.748413
## 3757	2246.7271	1147.753784	1327.056152
## 3758	1767.3505	1327.307495	1518.764160
## 3759	1775.9980	1241.097046	1476.779785
## 3760	2625.8875	818.180115	745.567871
## 3761	1904.1826	610.001038	782.313538
## 3762	1782.0679	1678.528076	1580.404419
## 3763	2707.9705	1085.806885	1129.180542
## 3764	2177.9214	963.577698	938.729553
## 3765	2134.5847	1056.207764	1242.624512
## 3766	1721.8900	1105.375977	1459.816040
## 3767	1194.9520	1245.223511	1281.995972
## 3768	1985.0150	1369.779297	1571.321167
## 3769	1554.4071	1095.322876	1280.781738
## 3770	1803.9802	1064.232300	1189.300537
## 3771	1033.4080	2031.624146	2123.479736
## 3772	1320.5044	1080.953125	1401.546021
## 3773	2200.6252	1109.913818	1297.374634
## 3774	1849.9932	1805.508301	2349.423340
## 3775	1820.7424	1111.298706	1062.767212
## 3776	1784.8740	1397.471680	1340.159546
## 3777	1465.3853	1773.186035	1169.066406
## 3778	1566.5305	1354.494385	1124.626709
## 3779	1706.2535	888.444885	935.551453
## 3780	2254.5183	1198.735352	940.489563
## 3781	1492.5330	2146.997559	1764.289307
## 3782	1167.6299	1179.511475	1126.083862
## 3783	2829.3064	1379.694458	804.179993
## 3784	953.1116	1158.379272	1184.860596
## 3785	1918.2188	1439.642090	1812.537598
## 3786	1564.9769	1168.911987	1440.887817
## 3787	1460.2043	985.687256	1128.111084
## 3788	1082.4208	1003.936829	1088.901001
## 3789	2000.4424	842.587097	875.993469
## 3790	1752.7871	1095.307739	1857.137329
## 3791	2219.4834	1370.649658	1457.525146
## 3792	1702.9786	944.440613	1338.439087

## 3793	2000.1620	1774.113037	2278.762939
## 3794	2594.9507	1088.017090	1360.012817
## 3795	1114.2932	1271.006348	1620.965088
## 3796	1550.3101	1045.319702	1530.742065
## 3797	2220.2390	1445.116333	1407.077393
## 3798	1901.2118	1520.014404	2004.472900
## 3799	1780.0060	922.932434	1375.994019
## 3800	2636.1069	1166.470459	1782.844971
## 3801	2508.2749	824.141846	1110.832642
## 3802	2710.5078	1180.862549	1260.637329
## 3803	2838.1685	981.401489	1435.762329
## 3804	2414.9280	1132.950439	2096.345947
## 3805	2795.2292	1282.687256	1687.017700
## 3806	2835.5884	1645.726074	1907.474365
## 3807	2210.7217	1278.308838	1579.410278
## 3808	2471.4485	543.765625	1064.972290
## 3809	1592.4447	1411.817383	2109.023682
## 3810	1979.1896	1311.584351	1625.126343
## 3811	1995.4756	1376.062622	1468.929688
## 3812	2134.6228	927.727783	996.994080
## 3813	1478.3660	303.905518	763.613342
## 3814	1022.9173	1508.786743	1628.906128
## 3815	1249.5807	1358.069702	1866.380981
## 3816	1013.1976	1579.507568	1830.775024
## 3817	653.0869	1442.479248	1688.738770
## 3818	1132.4032	1703.239258	2237.564697
## 3819	994.5471	1250.888062	1624.601685
## 3820	1609.6986	1643.880249	2730.621338
## 3821	1057.7965	1229.195435	1957.787354
## 3822	893.8462	1206.696045	1752.421997
## 3823	963.1291	1342.548950	1759.061157
## 3824	1222.2639	904.132751	1363.007324
## 3825	1554.7378	1201.013916	1696.615234
## 3826	1125.1318	1258.123779	1726.281250
## 3827	1561.4818	1014.422974	1471.782471
## 3828	929.1175	1704.146606	2159.821045
## 3829	892.4089	1052.753540	1562.889038
## 3830	1105.0033	1395.114990	1731.165771
## 3831	581.5148	1627.308105	1914.222656
## 3832	1007.9416	1607.048828	1874.658325
## 3833	1432.1809	1557.354858	1882.332275
## 3834	1850.7948	1155.935913	1325.807129
## 3835	1194.6403	1223.205811	1737.506226
## 3836	1154.6971	1426.535400	1635.951538
## 3837	1946.7640	1502.726807	2077.699951
## 3838	587.0552	853.761230	1297.990479
## 3839	1213.9774	963.814636	1653.252686
## 3840	761.2849	1625.940796	1856.619385
## 3841	1353.0723	1458.398193	1945.371582
## 3842	982.7520	1462.850830	2452.982422
## 3843	1802.8422	1004.460632	1404.960815
## 3844	928.5251	1425.179810	1966.392456
## 3845	1275.7007	1797.472656	2498.115479
## 3846	1645.2814	1351.882324	2053.121338

## 3847	999.1025	1168.399658	1760.606689
## 3848	1589.6364	1210.852783	1805.046753
## 3849	1275.8969	1442.986084	1991.811768
## 3850	1006.6843	1349.589722	1974.620972
## 3851	713.0955	1662.983398	2054.890137
## 3852	1024.7103	1386.304565	1854.087158
## 3853	1175.8651	1260.536011	1644.024658
## 3854	1906.9161	1963.384033	2926.287109
## 3855	1455.7552	1109.422729	1325.652100
## 3856	1193.8483	1895.202393	2577.520508
## 3857	1599.3959	920.098145	1391.999146
## 3858	2160.9341	1472.783203	2019.493286
## 3859	2263.4331	1046.114258	1385.551147
## 3860	2372.5374	938.430420	1314.019165
## 3861	2268.4873	1385.144653	1726.177612
## 3862	2023.1366	260.790375	471.800537
## 3863	2665.2627	286.599579	524.551514
## 3864	2704.9456	803.975342	1453.411743
## 3865	2539.2549	300.052521	511.307434
## 3866	2266.1790	873.150085	1399.786743
## 3867	2216.7205	1771.411865	1438.535767
## 3868	2859.2747	2309.445557	2267.211426
## 3869	2786.0762	1178.767456	928.239075
## 3870	2802.5833	1018.159851	900.926697
## 3871	2314.2285	1179.307495	1242.135010
## 3872	2831.1880	1245.842529	1322.925659
## 3873	2277.2471	1676.913330	1586.690063
## 3874	2812.7559	972.889587	1065.991455
## 3875	2803.4265	699.196472	435.163849
## 3876	2708.9177	1241.250000	944.578003
## 3877	2162.3152	736.365601	898.333191
## 3878	2441.8142	1415.197266	1405.874634
## 3879	2829.8098	1369.092041	1559.156250
## 3880	2863.0576	1048.736938	1260.790405
## 3881	2009.5391	1226.008057	1174.852905
## 3882	2174.8054	1503.839844	1590.851929
## 3883	2796.5288	994.107361	1358.553833
## 3884	2835.7942	880.641846	839.616943
## 3885	2608.3198	961.184875	945.945190
## 3886	2222.9365	1176.062500	1531.015503
## 3887	2235.2769	1168.328613	1153.112183
## 3888	2796.1489	828.489014	1354.330933
## 3889	2770.3020	1345.097046	2239.515625
## 3890	1813.5750	1323.991943	1878.136475
## 3891	2851.2117	741.660583	908.325134
## 3892	2777.8901	1012.555969	870.991089
## 3893	2440.9407	1092.130005	983.253418
## 3894	2244.1370	1045.375732	1453.136230
## 3895	1147.9550	1326.146851	1801.353882
## 3896	1693.0410	1178.726685	1609.686523
## 3897	2185.5681	1413.560059	1639.983154
## 3898	2853.4124	921.531311	1556.007812
## 3899	2840.5212	679.248474	719.545654
## 3900	2856.3621	1308.065918	1607.145264

## 3901	1609.3641	1359.739990	1502.397705
## 3902	2278.7944	1274.186646	1906.109009
## 3903	1607.1802	761.599731	752.856262
## 3904	1654.3101	1008.618164	1148.301880
## 3905	1678.7899	845.985535	1051.733887
## 3906	2630.3169	1038.884766	1441.156128
## 3907	1029.9518	988.670959	1000.269043
## 3908	2853.4695	780.126831	1020.392578
## 3909	1856.9203	957.046631	999.350830
## 3910	2527.1665	700.408508	883.660034
## 3911	1533.2579	960.023865	959.769409
## 3912	2273.4695	2588.149902	2050.560303
## 3913	2097.8350	2777.405273	2310.854004
## 3914	1650.8314	1337.228149	1716.633789
## 3915	2331.1238	1556.289917	2050.767578
## 3916	1598.0382	1229.712280	1235.013794
## 3917	2741.5850	1248.857178	964.106201
## 3918	2218.0825	1213.628662	948.954285
## 3919	1969.1693	1173.493042	927.664124
## 3920	2132.5461	1502.469482	1244.597168
## 3921	2265.1118	918.848206	718.214111
## 3922	1820.1740	1544.399902	1471.432251
## 3923	2164.4434	1126.839478	1084.699829
## 3924	2831.9321	1012.590942	985.803467
## 3925	2589.6350	904.481934	929.931458
## 3926	2003.1404	1212.022339	1077.919800
## 3927	2111.9290	1128.422119	974.610657
## 3928	2014.0846	1201.979980	1060.906372
## 3929	2328.3916	1285.312866	1189.256958
## 3930	1547.3267	1531.290649	1344.525269
## 3931	2728.1394	1589.176758	1454.658813
## 3932	2895.7283	1267.898926	998.858521
## 3933	2899.6035	1097.705078	996.322266
## 3934	2359.2898	988.983398	860.974243
## 3935	2889.6003	1154.534668	1106.105469
## 3936	1528.5939	901.975037	791.118408
## 3937	2400.2456	492.179657	285.351318
## 3938	2462.1995	360.150238	216.765274
## 3939	1908.3168	1249.052856	946.271179
## 3940	2862.8137	1210.577881	1309.214355
## 3941	2752.1738	899.649841	1133.627441
## 3942	2867.6458	1668.692749	1484.648560
## 3943	1681.0039	958.631226	1211.293579
## 3944	2057.8486	1171.146729	1399.683350
## 3945	2690.0515	1297.392456	1374.405273
## 3946	2037.9282	1515.293213	1128.798584
## 3947	2470.3352	1389.409424	1343.949341
## 3948	1332.0127	1321.916626	1074.515503
## 3949	1302.6978	1176.839111	1309.747314
## 3950	2042.1605	1051.165161	1392.077148
## 3951	2505.1311	297.692017	1034.509644
## 3952	2863.6384	1216.585083	1236.015869
## 3953	2891.9753	1071.577026	1238.097290
## 3954	1987.5081	1345.620605	1128.184692

## 3955	2403.7161	1301.030518	2211.090820
## 3956	2680.2009	1539.650391	1759.114746
## 3957	2547.9583	2495.356201	1406.173706
## 3958	2509.0166	1760.784180	1296.375122
## 3959	2315.5803	2162.410156	1466.769409
## 3960	2625.2263	968.785278	667.582397
## 3961	2688.5542	1665.935059	875.245483
## 3962	2881.0183	1437.345215	1053.954834
## 3963	2404.4155	898.216187	511.897827
## 3964	2839.4426	832.388062	742.448608
## 3965	2265.3916	1046.053833	629.453552
## 3966	2414.2163	809.414978	456.802734
## 3967	1336.1869	1147.187256	721.268005
## 3968	1957.9060	973.135925	644.284180
## 3969	1942.2372	1236.786133	675.812988
## 3970	1884.1410	1074.709106	597.584106
## 3971	2369.1846	671.094849	525.846497
## 3972	1388.4919	1009.222778	986.994507
## 3973	1281.6610	520.219299	1147.714355
## 3974	1815.5911	1332.284180	1369.822876
## 3975	2346.5264	1259.632812	1264.594849
## 3976	1467.1245	1394.244629	1753.076050
## 3977	2485.8052	2076.899902	2628.063965
## 3978	1259.4752	1445.712402	1608.106689
## 3979	1001.9075	1570.529175	1968.739258
## 3980	1464.7603	1395.862305	1571.222168
## 3981	1920.3793	1439.280396	1479.317749
## 3982	1225.3717	1566.061768	1853.479980
## 3983	621.3715	1489.931641	1570.749756
## 3984	900.6895	1579.275879	1698.454102
## 3985	868.2813	1503.841675	1641.375366
## 3986	1032.3607	1492.547241	1567.869141
## 3987	810.6968	1619.889648	1730.301514
## 3988	2308.4680	1245.389893	1428.651245
## 3989	449.3258	1591.354370	1740.176758
## 3990	917.2383	1472.923828	1661.226440
## 3991	762.2920	1571.219238	1846.700928
## 3992	2154.6143	1107.954224	1626.891968
## 3993	1771.6854	1547.020508	2113.997803
## 3994	1427.0684	1515.847046	1775.319580
## 3995	1831.9337	1220.256836	1446.962280
## 3996	726.4175	1277.655029	1793.379761
## 3997	1401.2891	957.670105	1117.287598
## 3998	693.1152	1186.993042	1759.592041
## 3999	830.6395	1339.394409	1807.297607
## 4000	645.4569	1549.655029	2124.331787
## 4001	1662.3400	1312.348633	2002.982422
## 4002	759.3542	1397.106567	1739.908447
## 4003	1696.9071	1511.606934	1673.472534
## 4004	2150.6335	1603.192139	1781.952637
## 4005	1861.3860	2062.774414	2168.017334
## 4006	1729.5155	1378.420532	1657.346069
## 4007	1666.1919	841.522095	1191.413452
## 4008	1181.1993	1200.163208	1576.545532

## 4009	1056.9993	987.443542	1392.641846
## 4010	1239.4979	1374.888062	1567.568848
## 4011	706.8329	1456.219604	1998.695679
## 4012	1173.6307	1667.413818	2221.678223
## 4013	764.4309	1772.031982	2426.031494
## 4014	1012.8244	1720.858887	2105.664307
## 4015	1013.6060	1833.497681	2471.799561
## 4016	1106.1902	1768.197266	2651.027100
## 4017	1122.7657	1479.793213	2090.706543
## 4018	810.4526	1407.801147	1995.223145
## 4019	875.8748	1530.315674	1987.386841
## 4020	860.8767	1615.380615	1832.627197
## 4021	782.5570	1456.346680	1940.797363
## 4022	958.0594	1715.291504	1924.216187
## 4023	1308.5044	1696.697144	1970.238647
## 4024	2003.1648	1572.487061	2015.218384
## 4025	1331.5629	1736.641846	1986.341064
## 4026	1242.7246	1661.814697	1737.852539
## 4027	776.4417	1740.883545	1802.622437
## 4028	832.6052	1689.355103	2076.687500
## 4029	1139.1360	1446.777100	1888.524170
## 4030	1837.8970	1436.467651	1838.040894
## 4031	1544.8557	1373.702271	1631.795654
## 4032	1173.6678	1408.356934	1823.479980
## 4033	1124.3232	1758.765015	2164.344238
## 4034	1284.8169	2165.677246	2365.901855
## 4035	765.9343	1854.859375	1968.831909
## 4036	1069.9009	1579.876587	1656.089111
## 4037	1184.7970	1801.377441	2060.654785
## 4038	2742.1057	1333.535400	1531.445435
## 4039	763.1907	1718.571655	1987.267578
## 4040	527.5469	1527.224365	1824.106445
## 4041	1907.1195	1048.755737	1350.479614
## 4042	808.8334	1524.956665	1715.313232
## 4043	1459.4319	1287.081909	1562.359863
## 4044	621.7322	1678.493896	1752.931641
## 4045	2515.1536	2389.748047	1904.308228
## 4046	1028.2726	1254.677002	1505.026978
## 4047	648.0535	1495.783569	1643.971313
## 4048	1865.1338	1105.362183	1461.774048
## 4049	2390.3743	1825.322266	1914.463013
## 4050	2120.9373	2392.499512	3988.713135
## 4051	2394.6357	1220.516602	2750.722656
## 4052	2832.6892	1428.651367	1485.017700
## 4053	2345.6311	1578.353760	1282.121582
## 4054	2871.4663	1064.264893	1682.776855
## 4055	2540.1794	1238.583374	1427.805176
## 4056	2845.3286	103.522453	287.115204
## 4057	2195.2551	695.489441	912.150757
## 4058	2882.5061	1271.572144	1034.074707
## 4059	2371.0273	730.536499	515.382751
## 4060	2878.5701	450.669739	435.425934
## 4061	2816.8066	9.498054	33.344383
## 4062	2914.5181	4033.290527	2122.321045

## 4063	2627.2827	2559.197021	1557.826782
## 4064	2415.5391	1024.992188	1100.218262
## 4065	2780.9636	1045.204590	1280.865234
## 4066	2877.2322	1524.250854	1813.033081
## 4067	2771.5217	755.877686	956.695801
## 4068	2779.9983	1200.693115	1532.777710
## 4069	2882.7729	740.731201	846.687927
## 4070	2786.3010	1906.643799	1990.869385
## 4071	2868.1707	766.647400	892.637451
## 4072	2464.5303	1168.912720	1362.436279
## 4073	2501.1086	1465.892700	1520.512695
## 4074	2605.4512	1141.018799	1217.123779
## 4075	2752.0569	697.428101	969.384827
## 4076	2661.6697	1906.007812	2203.991943
## 4077	2851.8076	996.059387	882.899841
## 4078	2406.1675	876.628601	633.883972
## 4079	2314.4084	1182.600220	1058.805298
## 4080	1107.5704	1056.109863	1152.052979
## 4081	2340.2542	2772.083252	2097.208740
## 4082	2046.6846	1255.059570	678.282532
## 4083	2364.2830	1468.285645	1311.082153
## 4084	2856.2043	778.924622	486.406555
## 4085	2725.8186	1634.859985	1017.260864
## 4086	2805.1885	1746.741577	1676.270386
## 4087	2840.3169	805.992615	616.085022
## 4088	2809.1387	1565.676025	1002.183044
## 4089	2761.0471	1668.596924	1077.349365
## 4090	2712.6035	1239.060303	883.964111
## 4091	2496.5000	840.685974	1038.553223
## 4092	2735.7344	1298.533813	1031.687378
## 4093	2861.9448	1322.552246	796.582642
## 4094	2870.8572	1610.349121	924.347595
## 4095	2814.5139	1512.315063	1150.036987
## 4096	2604.2180	648.462280	460.751129
## 4097	2699.5918	1199.261353	822.746338
## 4098	2513.4043	1078.005615	607.035034
## 4099	2013.4824	1085.362305	552.721497
## 4100	2434.2812	1229.463379	770.497253
## 4101	2457.3657	1361.196777	970.751831
## 4102	2857.2339	1120.500244	747.529419
## 4103	2864.9226	1239.186035	782.163025
## 4104	2771.0647	963.664368	545.471985
## 4105	1584.9664	2121.817871	1712.880493
## 4106	2774.6782	919.320068	581.233459
## 4107	2589.8311	1083.922241	711.158325
## 4108	2098.2275	1054.828613	631.609131
## 4109	1259.8320	757.923889	363.358093
## 4110	2622.5100	882.855286	516.212769
## 4111	2855.8777	1022.697754	734.700684
## 4112	2353.5623	576.598633	311.232178
## 4113	2828.6387	636.870667	395.180237
## 4114	2839.1860	928.047241	1082.891357
## 4115	2280.2097	3213.817871	2830.308350
## 4116	2087.2805	1142.406250	1082.651733

## 4117	1570.2764	1147.038330	721.609924
## 4118	1576.9777	1004.530090	1186.115723
## 4119	2709.1968	551.254150	552.948608
## 4120	1507.5898	672.108337	689.597107
## 4121	1445.8628	1163.383667	1274.676514
## 4122	1977.1364	1575.280884	1056.755981
## 4123	1573.2651	1266.283936	847.481445
## 4124	2868.5127	776.045532	707.058655
## 4125	1619.6863	831.530945	780.397461
## 4126	2863.2307	1055.273926	1054.194336
## 4127	1046.5016	1447.030273	1287.501099
## 4128	970.4924	1286.218628	1556.600098
## 4129	1544.3130	1137.778320	980.112061
## 4130	1890.3933	1187.431519	1187.208618
## 4131	1516.8790	1223.020386	1157.397827
## 4132	1432.3937	1217.821777	1404.783447
## 4133	1351.1188	1197.883911	1175.447266
## 4134	1695.7900	1199.707031	1185.669556
## 4135	2124.5701	1229.706665	1420.972290
## 4136	1318.7164	1230.053223	1551.693604
## 4137	1869.8892	1499.967896	1636.554199
## 4138	1776.7025	1274.499146	2350.851318
## 4139	2695.2197	995.686768	1448.136963
## 4140	2197.7183	1758.671387	2677.774414
## 4141	2130.9111	1452.285645	2573.988770
## 4142	1708.0728	1314.132690	1386.620728
## 4143	1204.1801	2288.478271	2989.800781
## 4144	1970.1016	1213.234619	1083.325317
## 4145	1567.7585	1080.564331	1197.160034
## 4146	1770.8834	1373.629272	1670.986694
## 4147	2334.1946	816.577759	836.562805
## 4148	2153.4368	1687.586182	1527.001465
## 4149	773.8627	1066.326416	1320.846069
## 4150	1195.5837	1336.020874	1672.178101
## 4151	1947.9945	1950.117432	2833.072998
## 4152	1271.8938	1259.138672	1719.130127
## 4153	1804.6630	763.564087	1423.748535
## 4154	1502.8024	1729.515381	2523.495117
## 4155	1597.4988	1350.580200	1862.429443
## 4156	999.0553	1329.829102	1809.150024
## 4157	1324.9668	895.643311	1585.795410
## 4158	1849.1937	1157.280518	2013.135498
## 4159	2392.6196	1860.086548	1499.344482
## 4160	1513.3794	1466.167358	1265.587769
## 4161	1263.4487	1210.326416	1151.217651
## 4162	2380.9202	851.697937	688.022583
## 4163	1480.9442	1383.346436	1879.177734
## 4164	1397.3330	1312.068604	1957.824097
## 4165	1210.7203	1298.747803	1827.133789
## 4166	1344.4200	1054.718506	1774.759033
## 4167	1175.1859	1278.815063	1942.102295
## 4168	1989.2227	1106.174316	1379.369751
## 4169	1955.2520	1523.083496	1810.403442
## 4170	1069.6584	1466.005371	1904.036987

## 4171	2813.9998	1283.022583	1659.928223
## 4172	1967.7557	1631.999023	2535.735840
## 4173	1540.4852	1198.642822	1707.749756
## 4174	2062.3491	1153.004639	1597.271851
## 4175	2442.2144	1083.719727	2066.175049
## 4176	1297.3580	1261.766724	1916.074951
## 4177	1999.7743	1197.024780	1546.413330
## 4178	2208.1704	342.307068	501.594482
## 4179	1649.7908	1012.748840	1562.261963
## 4180	1520.9838	1086.608643	1661.062988
## 4181	1871.5818	1006.542358	1472.755859
## 4182	2075.4685	1456.719116	1935.264648
## 4183	2449.0972	406.229279	1071.236694
## 4184	1477.4148	578.937134	1255.857178
## 4185	1352.6746	895.652222	1678.441284
## 4186	1391.0773	1217.162354	1692.109375
## 4187	1225.6010	1243.041138	1860.430176
## 4188	1414.3608	985.697632	1104.239624
## 4189	1356.6738	1336.094849	1574.723755
## 4190	1220.6497	1251.998291	2091.400391
## 4191	788.9937	1059.583618	1898.263550
## 4192	1478.7700	1211.162842	1827.164062
## 4193	792.6071	1609.939819	2050.558594
## 4194	443.2424	1593.232422	1804.057373
## 4195	1170.8383	1424.772095	1666.716064
## 4196	904.2806	1465.467041	1831.381836
## 4197	1904.6982	1232.622803	1611.510742
## 4198	1443.8502	1566.467041	1841.731323
## 4199	847.0703	1640.336914	1885.817871
## 4200	982.9465	1838.379639	2545.248535
## 4201	1358.4950	1576.734497	1907.348999
## 4202	1106.7147	1782.851440	2481.826172
## 4203	1573.3170	1516.631470	1581.673706
## 4204	2004.8472	1092.596924	1465.956909
## 4205	598.7128	1524.975342	1838.557983
## 4206	1480.1249	856.864563	1408.994873
## 4207	1573.7373	1510.777222	1520.822021
## 4208	1554.4452	1064.433350	1360.447266
## 4209	994.7057	1513.770142	1766.821777
## 4210	1160.4819	1473.878784	1677.914673
## 4211	2155.5781	986.793335	1429.709595
## 4212	2172.4790	1581.401978	1689.786377
## 4213	1345.7874	1758.728149	2068.278564
## 4214	1330.3030	1471.325684	2038.316406
## 4215	1471.2593	1719.326660	1888.943481
## 4216	2449.6025	1519.150269	1668.164429
## 4217	767.6591	1449.640137	1996.845093
## 4218	1380.4501	1611.294556	1936.068848
## 4219	1395.5193	1817.464478	2054.784912
## 4220	1338.2319	2053.312012	2693.078613
## 4221	690.6180	1512.916870	1989.729858
## 4222	1320.7457	1472.656860	1766.580688
## 4223	1736.9283	1323.665039	1772.572021
## 4224	1217.6860	1881.223511	2275.378662

## 4225	810.0879	1647.395020	1902.139771
## 4226	1416.5979	1603.470825	1898.511963
## 4227	991.8423	1170.360596	1705.343262
## 4228	2397.0308	1847.899292	1978.806396
## 4229	2145.3999	1486.399780	1965.169922
## 4230	2575.4131	885.014465	1125.868408
## 4231	2847.8059	1462.737915	2050.720459
## 4232	2824.2871	792.746216	707.963623
## 4233	2254.8899	516.893921	677.356934
## 4234	1720.1069	2408.585938	2432.269287
## 4235	2871.1885	1242.937866	2064.977783
## 4236	2292.2004	1805.435425	2479.151123
## 4237	2241.2043	1579.591187	1498.108032
## 4238	2339.6770	1259.584473	1571.868896
## 4239	2562.5151	1324.525757	1799.854004
## 4240	2439.6948	512.672607	588.696289
## 4241	1494.1249	667.087769	747.674561
## 4242	1365.7623	1188.950684	1126.405518
## 4243	1646.7838	872.966675	1212.256104
## 4244	1929.4052	898.221130	1136.912109
## 4245	1635.7891	2117.981934	2189.293213
## 4246	2057.4961	1210.499146	1133.254883
## 4247	1896.5227	1951.109741	2357.601074
## 4248	1926.7307	1269.178955	1176.975708
## 4249	1982.4850	1527.508789	1791.539185
## 4250	2555.6116	1472.009521	1142.892822
## 4251	1935.1196	1508.537964	1724.729370
## 4252	1609.5640	986.246887	893.486694
## 4253	1719.1125	1043.369263	748.678955
## 4254	1574.0149	1221.196289	1255.989746
## 4255	1736.3203	1041.296265	1119.098145
## 4256	2240.1536	1050.186157	833.695312
## 4257	2456.1570	1032.275635	952.635376
## 4258	2526.0886	854.988525	1003.632019
## 4259	1893.3024	1132.438232	861.709900
## 4260	2879.7896	1134.240112	1228.004639
## 4261	2788.9771	986.034973	901.405090
## 4262	2884.6726	831.057434	644.741760
## 4263	1705.4022	1052.464844	839.124939
## 4264	2089.6748	1142.287842	887.502258
## 4265	2743.5515	908.912109	1116.777954
## 4266	2055.6995	2265.221191	1847.429810
## 4267	2441.6265	1038.549072	1142.944702
## 4268	1320.4796	926.977234	1322.703491
## 4269	1296.2377	1715.445557	1595.025269
## 4270	964.2321	1353.067261	1161.644043
## 4271	1909.2429	1481.156616	1575.416016
## 4272	1571.7518	909.479797	1403.648315
## 4273	1469.9441	1247.105103	1190.455933
## 4274	1090.2875	1254.795044	1648.563721
## 4275	2891.5415	936.645996	1143.759033
## 4276	2681.3218	1754.795898	1837.198486
## 4277	2729.0430	620.276306	1075.062988
## 4278	1607.5845	1140.715820	1338.751465

## 4279	2275.6465	1004.615295	991.197693
## 4280	1614.5508	941.165100	1124.456665
## 4281	1663.9803	1081.817871	1263.744141
## 4282	1675.8568	934.146118	991.880310
## 4283	2604.6128	786.074829	950.535156
## 4284	1987.6411	802.802795	863.273804
## 4285	1189.4915	856.427002	983.903503
## 4286	2863.8428	1095.943848	1489.394531
## 4287	2846.3997	870.117798	973.837402
## 4288	2370.7295	682.014587	689.917053
## 4289	2316.2559	750.787720	835.295654
## 4290	2197.9573	1084.223022	1314.438599
## 4291	1610.2452	820.504089	880.958130
## 4292	2547.5898	1489.469971	1113.851318
## 4293	2856.5139	706.232849	751.914368
## 4294	2575.1555	750.851013	830.581421
## 4295	2231.2410	847.314209	1199.515991
## 4296	2191.9915	989.515198	840.677185
## 4297	2784.2366	804.454346	965.705933
## 4298	2755.0120	687.665161	986.490112
## 4299	1809.0784	946.393677	1198.040161
## 4300	2854.5330	786.201965	953.123108
## 4301	2728.9080	678.583801	896.186035
## 4302	2435.2856	1778.263428	1651.553833
## 4303	2244.7849	1139.832764	1203.207275
## 4304	1146.3152	1528.690186	1867.324829
## 4305	1701.2158	1077.784790	1421.885742
## 4306	2189.3965	1469.596069	2233.859131
## 4307	2747.7732	802.074158	747.100464
## 4308	2833.0120	1254.963379	1134.313354
## 4309	2178.4021	1051.013672	1219.216675
## 4310	1764.8312	1090.203613	1257.223022
## 4311	2025.3790	1121.186890	1196.020874
## 4312	2727.5859	994.991455	1378.989136
## 4313	2859.0815	2072.541748	3211.134033
## 4314	1395.9962	1260.269043	1544.615601
## 4315	1922.6744	924.311584	1179.163452
## 4316	2537.9651	1460.102539	1536.965576
## 4317	2848.6516	1227.857056	1503.914307
## 4318	2872.1792	1198.787964	1163.005249
## 4319	2866.7832	1388.330811	1873.784302
## 4320	1580.1940	1334.198242	1611.938477
## 4321	1836.2584	1572.822388	1421.543945
## 4322	1689.3412	1244.382446	1358.518677
## 4323	2331.4600	874.682373	916.611877
## 4324	1984.7168	1012.437317	943.000549
## 4325	2882.0125	780.236694	902.944580
## 4326	2872.9939	1183.449951	1446.276978
## 4327	885.5019	1303.759766	1333.964111
## 4328	1779.7697	1069.102783	1369.216919
## 4329	1502.3529	1273.543579	1080.925415
## 4330	880.8327	934.157410	1384.231323
## 4331	861.8661	1525.324463	2231.969727
## 4332	1129.2900	1627.789551	1944.797852

## 4333	532.4861	1219.732422	1657.670776
## 4334	972.4189	1284.007446	1662.319336
## 4335	1032.1959	1203.906494	1972.401855
## 4336	1524.2410	1355.089233	1539.960693
## 4337	896.6708	1423.803589	1658.871460
## 4338	1180.7534	1477.071289	1677.396729
## 4339	532.7106	1444.584717	2035.508057
## 4340	769.6892	1391.041992	2038.235840
## 4341	997.1354	1244.338379	1849.380859
## 4342	1721.8185	1527.023438	2007.263794
## 4343	1227.7625	1504.693848	2149.914551
## 4344	2874.3423	2240.487793	2261.328857
## 4345	753.9320	1325.909790	1565.170776
## 4346	1333.7477	1822.721680	2369.413086
## 4347	1055.9153	1383.774048	1805.218750
## 4348	633.5487	1351.010498	1683.652710
## 4349	573.5519	1298.917358	1738.566406
## 4350	670.3343	1334.598022	1545.269409
## 4351	986.5786	1395.731934	1984.635498
## 4352	1968.5969	787.940186	1337.185425
## 4353	846.2021	1553.452759	1989.844727
## 4354	762.8467	1449.082520	1667.340576
## 4355	1005.5991	1492.353638	1727.237061
## 4356	702.7872	1341.203491	1820.494995
## 4357	784.1779	1604.822632	2126.862793
## 4358	621.7875	1260.985962	1709.465576
## 4359	1114.4683	1015.710083	1482.318848
## 4360	1088.5334	1012.136475	1607.641724
## 4361	1191.8735	1086.505981	1695.602417
## 4362	2100.7693	840.195129	1830.206665
## 4363	1545.2925	1000.973877	1665.274048
## 4364	1151.4496	1454.539551	1576.860840
## 4365	2726.3406	805.042358	1586.967773
## 4366	1831.6451	1328.902710	1671.097656
## 4367	2468.0286	1432.030884	1898.661987
## 4368	1143.7493	1344.238159	1762.802124
## 4369	612.4079	1452.835938	1741.848022
## 4370	1628.2667	1754.941284	2230.851074
## 4371	904.8799	1426.379883	1820.800049
## 4372	2369.9236	1060.885620	1272.630737
## 4373	2073.6885	1136.898071	1300.092041
## 4374	2278.6533	1099.534546	1338.758667
## 4375	2472.5576	1260.589722	1524.084351
## 4376	2406.8865	1313.562012	1825.337402
## 4377	2347.6135	1255.084473	1508.087036
## 4378	2769.3794	1008.937988	1351.859253
## 4379	2831.8911	1378.783081	1456.430176
## 4380	2837.5994	677.437134	908.818420
## 4381	2629.1592	644.354553	844.751709
## 4382	2861.7371	363.283691	614.067505
## 4383	2834.0181	105.570213	485.775970
## 4384	2774.6140	2430.145996	4244.691895
## 4385	2355.1182	1040.302368	1291.930420
## 4386	2798.9258	1407.159180	1730.801758

## 4387	2746.2505	1240.246704	1432.492920
## 4388	2832.5798	2011.306152	2070.088135
## 4389	2811.1958	1247.393188	1217.319458
## 4390	2205.9023	1421.931641	1412.180542
## 4391	2897.4565	592.573303	487.859497
## 4392	2754.6172	1334.503784	1232.727173
## 4393	2779.9617	1108.348511	1058.835571
## 4394	2829.6428	781.768372	1082.130127
## 4395	2774.2478	88.038071	135.958267
## 4396	1717.5435	296.246918	636.826233
## 4397	2662.5967	277.364258	415.612640
## 4398	2722.6284	354.921051	596.061035
## 4399	2735.3105	420.085480	783.372620
## 4400	2266.9087	1571.237793	3882.067139
## 4401	2824.5405	1316.393433	2498.819580
## 4402	1534.0869	1026.528320	1366.051270
## 4403	2365.8350	1412.762695	1551.413818
## 4404	2839.2180	1023.226257	1071.826172
## 4405	2833.2522	838.200806	1652.037842
## 4406	2288.2490	875.057495	1376.291260
## 4407	2217.7568	718.200928	1085.247192
## 4408	2520.1946	1018.369995	1563.973999
## 4409	2694.7229	508.839417	1432.787109
## 4410	2044.0874	1561.983032	1994.099609
## 4411	1699.3296	710.733398	812.451477
## 4412	1991.0193	1150.224609	1992.380859
## 4413	2351.0803	650.495361	428.893768
## 4414	2134.3430	463.484161	298.750763
## 4415	2214.7175	842.353699	1073.265137
## 4416	1780.8955	1648.961670	1556.326904
## 4417	1789.6406	1157.484619	1268.642212
## 4418	2648.1262	1578.940308	1657.998291
## 4419	1588.2113	1314.546509	1382.489380
## 4420	1564.8541	1156.602783	1183.294556
## 4421	2628.4197	919.757141	913.537659
## 4422	1493.8806	1355.103027	1526.339233
## 4423	1435.2932	1396.075195	1595.319702
## 4424	1974.7200	1061.854614	1238.298584
## 4425	1547.3341	1355.168823	1545.588501
## 4426	2867.4312	1357.035645	1439.538574
## 4427	1644.2806	1057.221069	1301.436890
## 4428	2885.2319	1573.787720	2185.091064
## 4429	1032.2025	1465.817017	1178.477783
## 4430	1333.8871	1005.614197	934.204773
## 4431	2239.4160	1680.933105	1541.213379
## 4432	1859.1415	1301.775635	1088.358887
## 4433	1839.1498	1462.681641	1622.611206
## 4434	1789.2457	1128.426758	943.989258
## 4435	1461.9135	965.232422	1237.389282
## 4436	1559.3413	3251.861572	3080.686035
## 4437	1693.5819	1261.074829	912.245972
## 4438	2245.2168	817.832092	1443.635010
## 4439	1470.0433	1226.350830	1518.603760
## 4440	1152.7097	1426.146240	1601.013794

## 4441	2865.8723	1292.067749	1526.409668
## 4442	1863.9752	1228.278320	1132.593628
## 4443	1794.1146	1888.566528	1026.442505
## 4444	2697.6345	1198.819580	1176.667114
## 4445	2174.8650	1176.312622	785.694031
## 4446	2124.5735	1194.228516	1198.090088
## 4447	1717.3553	996.849487	854.798645
## 4448	1197.0404	1733.489380	1556.488647
## 4449	1958.4961	1406.334717	1402.927124
## 4450	1542.7084	1120.846191	713.952271
## 4451	1789.2511	1087.948120	832.434937
## 4452	2033.1552	1758.037231	2282.723633
## 4453	1762.3387	1046.049438	1097.627563
## 4454	2239.2095	909.457214	951.492126
## 4455	1711.9360	1241.034424	1360.521484
## 4456	2019.6440	1353.607666	1618.941284
## 4457	2608.3252	853.181396	870.813049
## 4458	1124.6589	1370.733032	1487.252686
## 4459	1569.2844	936.571106	1159.725708
## 4460	2248.2424	909.627319	1032.906616
## 4461	1928.8905	1462.478760	1411.661133
## 4462	1792.8357	1190.981689	1866.899902
## 4463	2622.7263	943.604858	961.056946
## 4464	2518.0588	1172.244751	1542.624512
## 4465	2717.4788	998.524109	1360.068970
## 4466	2867.8123	221.160782	264.586029
## 4467	2391.7444	1958.879883	2457.599121
## 4468	2781.7964	1161.208496	1243.020630
## 4469	2841.1619	1118.771362	1789.755127
## 4470	2221.2937	1050.368042	1261.600342
## 4471	2475.9944	1130.563599	1902.138916
## 4472	1595.9149	1469.402100	1776.794434
## 4473	1990.8828	1023.705688	1358.021973
## 4474	1894.0380	954.274597	1397.829468
## 4475	2820.4026	1763.916260	1570.988892
## 4476	2847.4724	595.409241	806.149902
## 4477	1563.2749	1104.755615	1655.775513
## 4478	1646.1611	1262.963989	1600.727295
## 4479	2836.9595	1410.018066	1456.105469
## 4480	1881.1971	1055.242554	1765.442749
## 4481	1785.9432	1555.484863	1799.367676
## 4482	785.8698	1070.055786	1628.825928
## 4483	2529.5835	793.310242	1491.667480
## 4484	2824.6118	896.991699	1558.905762
## 4485	2882.5078	975.330139	1263.274048
## 4486	2435.1260	1358.095703	1742.122192
## 4487	2812.1475	1467.864380	3316.040527
## 4488	2811.9231	741.779968	1161.884277
## 4489	2843.3889	1123.857056	1755.708740
## 4490	2863.5117	896.474976	1957.877441
## 4491	2687.5713	1171.474243	1560.558960
## 4492	1643.8539	1086.427612	2197.844971
## 4493	2108.3601	1325.812744	2716.027832
## 4494	1898.7501	1271.719727	2248.316162

## 4495	1974.9513	740.518494	1488.929321
## 4496	1774.9484	1016.363098	1591.928345
## 4497	2557.5647	1153.366821	1931.115479
## 4498	2466.4404	353.843750	772.749084
## 4499	1609.5842	443.000061	943.552734
## 4500	2510.5212	790.952942	1157.616577
## 4501	2839.9580	357.754669	851.743713
## 4502	1333.6248	445.579041	980.792725
## 4503	2347.7307	716.789917	1330.581421
## 4504	2114.2639	781.988342	1438.163574
## 4505	1009.0560	599.809448	1204.182861
## 4506	1649.5812	332.751648	203.888412
## 4507	2094.7356	314.936218	272.564026
## 4508	1870.9574	637.066528	1311.627808
## 4509	1529.1543	772.793213	1475.713013
## 4510	1174.8892	1414.931152	2281.320801
## 4511	1273.9143	878.973083	1514.330811
## 4512	2133.5498	1119.406738	2461.687500
## 4513	1882.8687	1388.979004	2374.694336
## 4514	2298.3789	566.817078	1181.406982
## 4515	2164.0713	1625.532959	2203.881836
## 4516	2285.3743	1896.504272	3007.035889
## 4517	1983.8813	1731.313110	2332.016846
## 4518	2105.4421	755.905090	1228.506836
## 4519	2910.4954	521.041809	514.487976
## 4520	2916.4495	673.107239	847.708984
## 4521	2661.6353	308.797638	357.498840
## 4522	2756.8987	104.291969	140.794159
## 4523	2850.8345	1096.617188	2198.720947
## 4524	2459.0396	315.284973	546.371826
## 4525	2382.0710	948.783386	1199.647827
## 4526	2885.0610	1205.128296	1272.393433
## 4527	2473.8245	582.148865	545.098267
## 4528	2841.6548	437.537781	463.803101
## 4529	2345.2727	657.577087	618.086792
## 4530	2863.4307	1054.510986	1110.269409
## 4531	2848.1956	833.459778	526.815491
## 4532	2847.5288	859.909729	590.869934
## 4533	2832.4736	953.648804	586.278564
## 4534	2847.8101	907.504639	633.827332
## 4535	1862.1366	1192.081055	1258.566895
## 4536	1893.9049	782.529297	1498.180054
## 4537	2428.9541	1045.122070	1355.171997
## 4538	2577.8267	932.856750	1270.043579
## 4539	1970.2439	1902.495483	2765.494629
## 4540	1930.0627	2254.295654	3229.010498
## 4541	1449.8738	1460.488525	2758.678955
## 4542	2883.0405	136.708725	217.627914
## 4543	2005.3748	893.607239	1644.730713
## 4544	2862.5981	1777.253418	2456.033691
## 4545	1178.2976	1632.732178	2480.184082
## 4546	2068.6675	1683.889648	2598.742188
## 4547	2514.1797	767.581604	1158.354126
## 4548	2373.9023	1737.697388	3241.865479

## 4549	1894.8933	1041.586426	1772.136353
## 4550	1217.9736	2120.007324	2861.803955
## 4551	1894.4188	2235.711426	3134.154541
## 4552	1755.1569	1400.959351	2700.926758
## 4553	1943.0059	233.654037	617.461487
## 4554	2136.4080	1233.710815	1943.560181
## 4555	1886.2140	2164.724609	2712.367920
## 4556	2042.1295	781.760986	1173.153687
## 4557	2127.4780	1477.871094	1897.189819
## 4558	2042.5594	1491.558472	2723.968750
## 4559	2840.5215	333.537079	607.164856
## 4560	1691.6514	1057.456787	2347.621582
## 4561	1929.6584	1834.531860	2361.859375
## 4562	2141.1897	1576.312256	2287.662109
## 4563	1998.2100	1084.899170	1214.791504
## 4564	2062.6152	463.729065	533.580811
## 4565	1830.7490	899.938599	905.789978
## 4566	2427.0779	995.104553	955.950623
## 4567	2190.7451	1423.738770	1312.706421
## 4568	2780.7920	874.221985	967.116150
## 4569	2290.4336	920.115967	1156.368286
## 4570	1312.3358	1141.563232	2342.397949
## 4571	2822.5339	886.466675	1142.241577
## 4572	1126.3971	1065.711792	1299.790527
## 4573	2078.9189	1119.425659	971.686340
## 4574	2169.8013	1220.383911	1561.071045
## 4575	1781.5078	1901.957886	2387.549805
## 4576	1612.1606	1268.339844	1976.240845
## 4577	2887.2490	1770.583984	2844.883057
## 4578	2740.9824	2193.921875	2726.951660
## 4579	1273.0165	1734.683105	2853.567383
## 4580	2451.7842	1204.077271	2130.637207
## 4581	1677.3865	1058.269043	1514.605591
## 4582	1841.1202	376.063904	608.406982
## 4583	1466.2550	165.166214	238.415909
## 4584	2814.3528	299.343292	231.242676
## 4585	2869.3931	625.710693	447.229706
## 4586	1875.4019	1136.281494	2100.053467
## 4587	1903.3044	1471.975586	1288.600586
## 4588	2510.3667	3396.199463	3754.071289
## 4589	2669.0427	833.092102	1899.674194
## 4590	2438.0176	1059.583130	1804.353394
## 4591	2218.7849	867.736267	1117.328369
## 4592	1357.5067	1345.489258	1715.769531
## 4593	2306.4399	1114.723389	1842.310303
## 4594	2494.6174	617.191162	1404.308472
## 4595	2470.1875	555.759949	806.363037
## 4596	2044.4695	764.939941	947.065735
## 4597	2450.4697	1985.824951	1985.276489
## 4598	1957.3940	1049.729126	1745.950439
## 4599	2298.0222	1601.690674	3081.635498
## 4600	1865.3253	1561.960327	2495.856689
## 4601	1998.9745	1464.193726	1931.507202
## 4602	1793.2758	1037.325439	1628.742188

## 4603	2563.0835	778.389709	1414.260498
## 4604	2468.0430	1045.832031	1545.201904
## 4605	1632.6281	1266.603027	2114.711914
## 4606	2544.2354	1738.340942	2885.127686
## 4607	2880.2502	1159.284058	1763.379028
## 4608	1345.7838	1012.355530	1598.303589
## 4609	2358.0125	576.908020	1260.536255
## 4610	2005.0103	658.402405	1221.187744
## 4611	1022.9773	666.939697	1392.735962
## 4612	2834.5017	778.376282	1706.726196
## 4613	2490.4915	781.741028	1197.320679
## 4614	2791.6890	1387.378174	2494.947998
## 4615	2843.6208	571.591064	1290.656738
## 4616	2392.5696	806.641541	1309.711792
## 4617	2848.4062	135.784729	124.194351
## 4618	2823.0129	250.092819	160.376663
## 4619	2779.2861	304.490448	253.447800
## 4620	2792.7024	617.010315	361.123810
## 4621	2549.5498	243.592514	167.019104
## 4622	1574.1613	398.400146	391.885284
## 4623	2075.6489	2034.569946	3737.362061
## 4624	1875.1204	1248.786255	1934.356079
## 4625	1982.7435	1885.764160	2731.525879
## 4626	1697.5187	1131.127563	2382.618652
## 4627	2191.5271	1192.611816	2537.907471
## 4628	1896.5885	1326.955200	2340.889893
## 4629	1524.9644	969.573364	1814.726562
## 4630	1169.6653	774.287415	1375.697632
## 4631	1281.5328	737.523254	1399.894165
## 4632	2147.8425	1324.655151	2201.535889
## 4633	1879.9823	670.564392	1112.546631
## 4634	2292.3413	601.348938	960.129639
## 4635	2159.5925	345.116486	399.287659
## 4636	2274.2595	554.489502	1060.609985
## 4637	2010.3014	1423.508423	2459.916016
## 4638	2101.1438	690.393738	1313.654297
## 4639	2900.3665	323.239502	497.158203
## 4640	2877.8286	350.550201	1125.476440
## 4641	2620.9277	1351.688599	1682.557983
## 4642	2757.1248	2217.203125	3399.065674
## 4643	2833.3074	1195.800903	2029.674683
## 4644	2407.3130	1812.165283	2278.167236
## 4645	2332.8062	973.967651	1872.445190
## 4646	2912.4939	757.304504	674.963562
## 4647	2495.4861	674.180603	729.779358
## 4648	2913.3188	412.812988	560.390747
## 4649	2377.2178	230.189255	348.034515
## 4650	2882.8252	739.214905	1899.012451
## 4651	2902.1279	251.335831	342.973541
## 4652	2902.6716	218.636505	374.497345
## 4653	2913.8848	749.762268	1032.122070
## 4654	2888.2947	1244.223633	1070.124756
## 4655	1870.8867	531.263123	605.131165
## 4656	1880.8596	848.896240	720.583313

## 4657	2378.1094	829.597473	504.017181
## 4658	2544.1848	1110.362915	626.861938
## 4659	1931.8953	895.738464	537.764282
## 4660	1931.3828	973.210083	1294.699585
## 4661	1459.1262	1091.748779	1518.558472
## 4662	2896.9092	2470.572754	2798.635254
## 4663	2225.5876	1769.744629	2863.789551
## 4664	2038.5237	2091.309082	3048.351807
## 4665	2804.1584	1746.225952	3251.537354
## 4666	1692.9244	1372.419922	2388.440186
## 4667	1944.2422	1085.565308	1891.244507
## 4668	2148.5754	1012.768860	1933.630615
## 4669	2025.2177	1141.111572	1798.474609
## 4670	2135.0332	1236.988892	1900.230469
## 4671	1842.8883	1712.135620	2350.396729
## 4672	2485.5198	2012.151733	2659.206055
## 4673	2173.9360	1020.187317	1201.039795
## 4674	2823.8940	954.251160	1267.031860
## 4675	2306.7065	579.720154	614.768860
## 4676	1317.9464	1231.271606	1438.917847
## 4677	2847.4551	1155.126099	1026.846313
## 4678	1123.7520	1098.129272	2111.275879
## 4679	2046.5132	976.859924	1020.653381
## 4680	2146.3252	1935.883179	1877.648804
## 4681	1755.2069	859.670471	1108.874878
## 4682	1913.4314	805.093140	978.136841
## 4683	1550.3289	1103.582397	1309.677979
## 4684	964.2721	1709.690308	2441.204346
## 4685	1793.0107	452.771637	1035.340942
## 4686	1398.2611	2117.748047	2464.861816
## 4687	2208.2119	1517.522583	1774.540039
## 4688	1763.9844	1724.494507	1636.353394
## 4689	1565.7933	1533.432495	2185.736328
## 4690	1041.1915	1924.239380	2379.765137
## 4691	1138.6899	1773.408447	2444.579834
## 4692	1601.3889	1860.394897	2240.439453
## 4693	2851.1396	1060.236450	2107.665283
## 4694	2730.6541	1570.608032	2753.064453
## 4695	1260.9373	1166.670898	2069.344238
## 4696	2244.7363	566.227539	403.263519
## 4697	1559.7161	178.438248	278.315521
## 4698	1943.2817	1923.137573	3264.260254
## 4699	1239.0382	1218.887817	1822.168335
## 4700	2892.4250	511.056335	495.821655
## 4701	1579.1052	42.146969	140.591995
## 4702	1146.2976	1536.932983	2402.484131
## 4703	2791.2075	84.365005	248.280380
## 4704	2901.9646	495.504059	477.690887
## 4705	2423.5498	1052.593628	931.913818
## 4706	2651.7749	1031.584106	1016.088867
## 4707	2901.6711	1108.734619	1041.355225
## 4708	2342.8298	1128.446899	1040.898804
## 4709	2429.2622	1296.846436	1183.561646
## 4710	1766.0228	1339.574951	1153.297852

## 4711	2451.4644	1239.905273	1130.596313
## 4712	2003.2429	1447.448242	1274.354126
## 4713	2251.6111	1056.112915	887.035583
## 4714	1588.1417	1375.807983	1106.386475
## 4715	2889.4788	1336.563843	1108.086548
## 4716	2895.7805	1113.815186	825.263733
## 4717	1504.1090	1894.165039	2096.476074
## 4718	2052.2087	2121.349365	1390.764526
## 4719	2032.3379	1361.129883	909.604736
## 4720	2459.0276	1063.965454	741.991211
## 4721	2149.3647	1213.137085	867.235352
## 4722	1776.5941	1192.907227	932.914673
## 4723	2893.6675	1108.039795	1105.617188
## 4724	2419.1528	978.649963	877.489258
## 4725	2891.4910	1137.134277	950.188477
## 4726	2902.6887	694.070190	509.960388
## 4727	2143.4231	1131.436157	855.510071
## 4728	1569.7683	1104.599365	1003.960693
## 4729	719.2247	1608.458008	1560.761108
## 4730	2862.6152	1203.779541	956.505859
## 4731	2861.3674	1046.450562	771.646240
## 4732	2576.1421	1149.030396	2926.250244
## 4733	1362.6687	1008.788330	1004.413025
## 4734	2322.4429	522.477417	466.346100
## 4735	2508.2102	3155.078369	3923.519287
## 4736	2467.6670	713.319519	1148.786865
## 4737	2042.1699	801.528870	1158.979614
## 4738	2450.4167	1100.762817	1471.673096
## 4739	1971.4635	1706.018677	2019.880493
## 4740	2302.7737	637.075989	901.932312
## 4741	1874.8118	1398.586792	2122.536133
## 4742	2025.3137	409.989777	591.828369
## 4743	1791.8684	1124.432495	1284.982788
## 4744	2581.7180	951.011353	1034.124023
## 4745	2462.0073	1032.489258	1816.807251
## 4746	1628.9158	1328.687012	2314.228027
## 4747	2544.8066	887.795532	1646.284546
## 4748	2858.3286	1291.492676	1669.436401
## 4749	1353.4059	1038.730713	1529.694092
## 4750	2383.3140	929.810364	1260.994019
## 4751	2070.0693	1226.950439	1810.714478
## 4752	1030.3518	1105.243286	1771.089966
## 4753	2444.4126	748.620605	1387.042725
## 4754	2737.4275	690.399719	1199.974487
## 4755	2663.8337	333.039215	793.652649
## 4756	2347.1353	237.850555	564.661865
## 4757	1957.2592	546.736572	1227.220947
## 4758	1454.4896	711.617798	1308.683838
## 4759	1889.7327	711.371216	1706.135132
## 4760	1761.6158	820.303528	1623.518921
## 4761	2200.1067	739.821472	1279.913452
## 4762	2195.1179	240.230179	164.976624
## 4763	2407.6182	491.335114	273.920685
## 4764	1757.3147	362.057861	270.250977

## 4765	2749.7722	306.052643	242.049683
## 4766	2306.1165	317.862122	469.751160
## 4767	2321.8494	2340.365723	2574.865479
## 4768	2749.1162	2027.033936	1705.974121
## 4769	842.1199	1736.606689	2030.364746
## 4770	2793.6233	1933.661743	1827.309448
## 4771	2508.6377	1344.141479	1686.393433
## 4772	2790.2219	618.941162	1178.910278
## 4773	2844.2322	1720.323242	2236.716309
## 4774	2415.7761	1108.643555	1717.371216
## 4775	2849.6001	626.036804	1477.221924
## 4776	2846.2437	1400.717041	2235.806641
## 4777	2814.8584	2020.036499	1730.000488
## 4778	2836.6467	1301.375732	1338.072021
## 4779	2650.4395	568.896179	814.499634
## 4780	1628.3467	1184.501465	1283.105469
## 4781	2077.9438	1240.774658	1531.648193
## 4782	1881.4686	1837.680908	2056.989014
## 4783	1963.5704	776.175110	1211.391724
## 4784	1435.6051	1083.926392	840.445679
## 4785	1426.2305	978.671387	2265.989746
## 4786	2147.0583	1220.665283	2272.578125
## 4787	2371.5576	1729.233398	2559.620605
## 4788	2278.0945	619.431274	1386.607910
## 4789	913.4213	1266.184692	2315.818604
## 4790	1065.5946	1157.415894	1909.555664
## 4791	1671.4685	1420.204224	2114.333008
## 4792	2154.5010	980.907532	1734.463623
## 4793	1875.1291	1735.503296	2230.629395
## 4794	1497.6160	1781.743042	2078.849121
## 4795	1153.1675	1745.909790	2495.601318
## 4796	1254.1749	1116.989014	1176.296387
## 4797	2036.2634	597.372498	362.196198
## 4798	1795.1305	936.280151	943.230469
## 4799	2284.1235	666.434631	1359.840942
## 4800	2168.5618	679.268372	1210.329102
## 4801	2283.2888	647.912598	1208.405518
## 4802	2010.8773	1071.687256	1905.540649
## 4803	2107.2556	1745.369751	2509.600586
## 4804	2901.3179	1257.908081	2273.825684
## 4805	2898.9780	1151.462524	2371.800537
## 4806	2637.3174	455.558441	559.813538
## 4807	2755.3267	1421.875244	2465.851074
## 4808	2849.6628	660.640381	1055.816284
## 4809	2419.2825	308.139496	403.447571
## 4810	2347.4917	935.542297	1569.372437
## 4811	2878.4829	514.416504	1026.577515
## 4812	2466.9758	1111.856201	2630.100586
## 4813	2892.1138	1582.249023	2581.072021
## 4814	2368.0491	907.279175	2184.413818
## 4815	2900.3323	428.700562	625.157532
## 4816	2879.8137	404.739441	1511.752686
## 4817	2861.7739	1463.516602	1977.030762
## 4818	2887.4600	1661.094238	2469.602051

## 4819	2880.4336	1719.791870	3092.879150
## 4820	1855.1163	1486.675903	2237.927979
## 4821	1903.3395	699.393921	1332.530762
## 4822	2434.0674	542.708313	822.781799
## 4823	2591.2185	275.264587	321.461151
## 4824	1970.7058	636.325989	1546.515625
## 4825	1949.2466	695.987183	1057.718384
## 4826	1450.3870	756.949219	803.777100
## 4827	2879.7998	1076.279419	1405.308838
## 4828	2015.1735	889.285522	463.705170
## 4829	1538.6088	1000.264771	568.532471
## 4830	965.6433	1464.372437	2137.939453
## 4831	1789.4741	1767.388550	3242.166748
## 4832	1402.8145	1218.820435	2147.468506
## 4833	2209.2673	1168.084717	2287.350342
## 4834	1758.2802	1164.622437	1766.185913
## 4835	1563.3103	586.625916	1142.297729
## 4836	1042.7317	1923.405884	2023.909912
## 4837	1137.1874	1552.913574	2091.064453
## 4838	1606.2100	1927.455444	2314.614990
## 4839	2855.9761	2590.560547	2844.651611
## 4840	2736.9329	1335.457764	1863.721191
## 4841	1263.6816	1673.664185	2312.382324
## 4842	2464.3599	1342.452393	1932.991699
## 4843	1672.2798	1920.747559	2161.170410
## 4844	1826.7827	1233.921265	2175.152588
## 4845	1457.8887	1268.170532	2168.051025
## 4846	2854.0984	415.112793	272.647949
## 4847	2858.0134	518.966492	340.437775
## 4848	1095.4889	965.574158	2353.789307
## 4849	2852.5298	848.550110	1571.725708
## 4850	2898.8904	661.080627	792.163696
## 4851	2280.7156	188.875702	321.228241
## 4852	2021.3601	1414.769287	1152.447388
## 4853	2064.6912	1147.195923	1696.879761
## 4854	2813.3926	929.007446	1616.063599
## 4855	2854.5984	1742.061035	3143.509766
## 4856	2581.0386	1820.556274	2849.304199
## 4857	2705.6814	929.419983	2110.931885
## 4858	2791.8196	849.339111	1810.230835
## 4859	2413.6604	1168.552124	2505.766357
## 4860	2309.8823	1418.022461	2606.414551
## 4861	2839.8145	479.007935	928.000183
## 4862	2432.3481	1987.748291	3638.204834
## 4863	2812.3618	869.364990	1993.624756
## 4864	2329.6985	1108.138550	2169.692383
## 4865	2838.7234	1578.292969	2808.277344
## 4866	2823.2219	1564.570068	1858.195923
## 4867	2833.0994	1979.480103	3773.435303
## 4868	2846.0103	583.007690	1149.052734
## 4869	2826.6982	825.384521	1864.526123
## 4870	1847.9747	592.018982	779.944885
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## 4873	2450.1250	1013.537415	709.729370
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## 4876	1462.7561	571.832336	1202.698364
## 4877	2901.3857	257.355499	399.075623
## 4878	2323.8459	1326.495483	1379.239746
## 4879	2081.3569	762.174438	769.683777
## 4880	1824.4199	782.062927	757.267517
## 4881	2407.7151	928.229248	570.351318
## 4882	1864.9423	1057.020020	541.635620
## 4883	1857.1891	820.463135	519.638123
## 4884	2536.7529	991.362000	1476.350098
## 4885	2668.6055	730.296021	1276.604736
## 4886	2444.0706	1453.887329	2035.320923
## 4887	2226.0891	1051.078613	1235.294434
## 4888	2895.2827	2134.830566	2842.604980
## 4889	1508.5515	1925.462036	2960.737549
## 4890	2287.2603	1575.009399	2741.907715
## 4891	2503.6240	949.252441	1901.617065
## 4892	2471.9109	1357.293945	2470.108398
## 4893	2025.7837	1036.982300	1765.106567
## 4894	2440.3330	654.064941	1494.762573
## 4895	1938.5382	1419.368652	2073.619629
## 4896	2309.3567	1427.731079	1925.460815
## 4897	1876.8754	1425.197876	2340.744385
## 4898	2026.0908	1110.863647	1796.806274
## 4899	2877.8528	634.642151	638.713745
## 4900	2543.5913	1692.892578	1894.047363
## 4901	2843.0195	2092.023682	2741.293945
## 4902	2900.3323	1478.983887	1877.668091
## 4903	2436.0840	834.382996	1091.403320
## 4904	2891.9238	724.332336	984.011963
## 4905	2883.8103	1284.895508	2012.224854
## 4906	2877.5693	1439.324341	2572.009521
## 4907	2875.0498	332.954376	474.570251
## 4908	2674.4399	374.253021	531.186035
## 4909	1649.0394	1152.744507	1397.721191
## 4910	2110.0076	865.932434	1205.085327
## 4911	1892.8110	1037.883057	2399.567627
## 4912	1965.7061	1447.744385	2209.773438
## 4913	1431.1464	1199.055176	1604.473877
## 4914	1434.4486	1253.446411	1858.415283
## 4915	2168.2141	791.929871	1486.009521
## 4916	2336.2688	1603.653687	2680.159180
## 4917	2283.5825	638.702271	1377.376831
## 4918	917.5689	1419.165161	2225.412109
## 4919	1075.9602	1139.866699	2183.164551
## 4920	1690.9781	1435.401489	1938.613281
## 4921	2172.2695	416.867828	1295.208618
## 4922	1862.4767	1542.829346	2008.948608
## 4923	1499.8060	1267.470337	2093.241699
## 4924	1153.2639	1437.788574	1929.006592
## 4925	1253.7816	1961.020996	2522.988525
## 4926	2088.9863	1340.795776	2421.112549

## 4927	1851.4620	2226.618164	2879.881348
## 4928	2243.9641	1162.675171	1477.210449
## 4929	1942.1785	668.338440	442.574524
## 4930	1496.0299	926.289185	565.929871
## 4931	970.7796	895.403137	1485.508545
## 4932	1812.6351	1634.658691	2746.383057
## 4933	1407.1102	749.957031	1389.994995
## 4934	2206.4111	846.532837	1380.414307
## 4935	1765.8094	1194.902954	2415.130371
## 4936	1578.4650	619.841309	1338.237183
## 4937	1041.5403	1361.096680	2231.884033
## 4938	1136.7490	2083.734863	2122.924561
## 4939	1614.4656	1387.845825	1729.347656
## 4940	2861.5449	1665.336304	2705.430420
## 4941	2727.5059	1301.329712	1758.418823
## 4942	1261.4203	1846.764404	2201.341309
## 4943	2244.7214	2429.448486	2964.700928
## 4944	1224.6611	1632.758911	2351.909424
## 4945	1228.9847	1642.215698	2083.574463
## 4946	2865.5020	1271.635498	2144.635986
## 4947	1571.2533	1479.513306	2337.192627
## 4948	1121.8872	357.865814	447.472931
## 4949	1764.4025	1750.872925	3201.350342
## 4950	914.9543	735.795654	1411.905396
## 4951	2784.2698	286.159149	325.400116
## 4952	1569.4319	553.967834	414.356598
## 4953	1566.1244	992.420715	1083.929810
## 4954	2457.0991	1009.210388	901.130249
## 4955	2811.0173	409.064636	367.223328
## 4956	2701.1577	1554.392578	2514.406982
## 4957	2364.7466	2516.850586	2279.019531
## 4958	1977.5563	1278.055786	1998.042358
## 4959	1465.4529	1867.063110	1945.641724
## 4960	1902.8545	1153.853394	1210.604858
## 4961	1783.5486	1864.215698	2004.423462
## 4962	2208.9065	1593.727173	2499.627686
## 4963	1679.4015	1741.117310	1831.905884
## 4964	1816.7323	1400.880981	1797.811768
## 4965	2854.4448	572.696960	1271.187378
## 4966	2374.0422	1820.452393	2787.291016
## 4967	2320.6331	1400.287842	1289.422119
## 4968	2733.5266	736.580627	1153.949951
## 4969	838.7327	1342.598145	1495.365723
## 4970	1792.9214	277.219604	445.759766
## 4971	2521.5964	187.320465	455.692657
## 4972	2412.0549	639.336670	1251.259644
## 4973	1614.5939	674.573486	1239.995972
## 4974	2513.0312	332.450745	662.705566
## 4975	2839.7534	721.111328	1940.561523
## 4976	1332.9906	643.471436	1304.491821
## 4977	2347.9395	787.195068	1395.875977
## 4978	2009.3539	833.229370	1441.709106
## 4979	1017.1078	568.122498	1117.901489
## 4980	2116.8118	455.870880	314.803314

## 4981	1985.2539	280.007843	407.567932
## 4982	1839.1105	2020.893555	2780.455566
## 4983	2441.4021	774.102844	1290.046631
## 4984	1879.7540	1479.924438	1761.708496
## 4985	1893.9906	1571.796021	2027.234497
## 4986	2535.8491	690.192017	1167.163818
## 4987	2666.0022	1136.296631	1826.056641
## 4988	2439.2590	1006.386230	2294.552246
## 4989	2216.2742	580.938354	775.096313
## 4990	1354.5342	1062.121826	1256.040649
## 4991	2294.5042	497.731476	1153.125977
## 4992	2494.5261	1442.209717	2220.904785
## 4993	2451.3965	1387.664795	2586.462646
## 4994	2018.1287	1508.816284	1947.695801
## 4995	2444.6411	758.239929	1078.214966
## 4996	1962.6643	1262.581177	1828.111084
## 4997	2305.8508	919.627991	1290.556763
## 4998	1872.5116	1096.375732	1906.779785
## 4999	2005.6495	932.437378	1679.209473
##	\t\nfundamental_freq_mn fundamental_freq_var motion_dist_mn		
## 1	102.60780	60.17829	0.538928
## 2	84.68770	46.89688	0.446286
## 3	92.69461	41.18265	0.591414
## 4	96.59550	61.86105	0.246416
## 5	95.03695	48.36439	0.314103
## 6	109.96493	60.04241	0.270214
## 7	124.97644	43.18655	0.399679
## 8	131.13185	41.80399	0.420022
## 9	122.91135	45.42921	0.657833
## 10	124.33065	46.91661	0.678812
## 11	116.90527	64.80365	0.266648
## 12	97.25635	57.74859	0.345087
## 13	110.95454	57.33597	0.331181
## 14	127.39584	48.91462	0.380865
## 15	86.23029	47.15195	0.318373
## 16	111.78481	58.06393	0.291844
## 17	146.56058	63.98966	0.299371
## 18	130.83507	54.92693	0.574563
## 19	105.81737	55.45668	0.318818
## 20	132.85648	44.49908	0.721467
## 21	129.22937	48.22460	0.353245
## 22	111.39287	63.53847	0.390240
## 23	121.60601	43.38024	0.602686
## 24	119.35387	52.34655	0.795117
## 25	138.50339	36.99867	0.616643
## 26	144.57864	44.73715	0.737363
## 27	137.91542	47.89961	0.791816
## 28	102.76906	50.88095	0.736903
## 29	125.99936	42.87019	0.859254
## 30	113.67149	48.44705	0.396954
## 31	120.45066	39.31356	0.363259
## 32	119.38635	46.93740	0.300859
## 33	109.51063	31.48112	0.367148
## 34	126.57639	36.68864	0.361200

## 35	125.16711	47.61028	0.314554
## 36	93.88517	60.55172	0.350377
## 37	84.83147	47.96256	0.448876
## 38	105.07435	59.84415	0.342860
## 39	116.20807	61.45526	0.602730
## 40	75.86883	41.54173	0.765802
## 41	119.27661	52.63418	0.405429
## 42	144.32083	47.46843	0.484070
## 43	73.44726	45.13962	0.377483
## 44	112.36426	63.57412	0.493036
## 45	119.43219	64.71478	0.440889
## 46	135.26399	62.86840	0.490714
## 47	100.16201	53.62911	0.539701
## 48	121.79328	60.32403	0.807154
## 49	110.34499	60.35048	0.261786
## 50	137.30759	59.98303	0.891526
## 51	123.27224	60.79154	0.877406
## 52	106.23595	49.01340	0.562158
## 53	140.26840	43.91209	0.595120
## 54	106.09735	40.36660	0.458997
## 55	118.45833	38.02193	0.320479
## 56	106.38760	49.78931	0.433891
## 57	116.29100	36.50158	0.751801
## 58	90.80563	46.59501	0.524604
## 59	118.28268	57.49628	0.566865
## 60	132.82217	58.86540	0.557575
## 61	126.39990	56.34277	0.631159
## 62	113.52776	60.05857	0.524160
## 63	130.32459	52.53883	0.768905
## 64	125.94299	58.02357	0.664024
## 65	131.45848	53.53073	0.599375
## 66	138.73932	46.50256	0.535544
## 67	117.36433	46.29869	0.642532
## 68	96.51727	43.77645	0.780240
## 69	87.98955	42.48024	0.389383
## 70	127.58659	44.50185	0.703489
## 71	99.40066	39.33764	0.545251
## 72	119.09174	39.97595	0.531457
## 73	85.72674	41.63331	0.711344
## 74	80.83763	45.33085	0.383191
## 75	86.62927	38.42541	0.431985
## 76	99.58276	66.98273	0.487160
## 77	133.42053	62.36503	0.521627
## 78	133.00977	54.05512	0.797443
## 79	140.57657	48.17520	0.745968
## 80	116.74702	37.43579	0.792549
## 81	109.54298	38.63345	0.815717
## 82	123.65977	58.44814	0.671158
## 83	117.44501	52.40312	0.511650
## 84	116.22454	46.15765	0.617285
## 85	114.35708	54.26332	0.510332
## 86	106.93469	52.71945	0.519929
## 87	117.49778	59.21963	0.442212
## 88	97.59048	43.54201	0.511558

## 89	103.48925	45.15095	0.451111
## 90	117.59945	39.76059	0.481197
## 91	102.14524	43.10627	0.874818
## 92	83.35854	48.48007	0.419027
## 93	95.89084	44.69786	0.612590
## 94	96.73098	55.34424	0.557669
## 95	106.88685	59.68930	0.621615
## 96	106.72943	51.01847	0.502259
## 97	63.52938	34.48438	0.616842
## 98	67.91911	24.48735	0.398125
## 99	106.66020	60.55501	0.594682
## 100	123.25135	49.61552	0.441873
## 101	118.18892	45.61906	0.441997
## 102	103.87421	59.85547	0.342050
## 103	96.16812	53.72687	0.652804
## 104	101.12659	50.19101	0.420463
## 105	118.59423	48.97576	0.373571
## 106	115.43787	42.03182	0.723462
## 107	106.57582	44.41860	0.867035
## 108	99.97479	50.46776	0.529396
## 109	78.17009	41.78434	0.294286
## 110	77.11111	47.93990	0.459774
## 111	84.29363	33.72774	0.624734
## 112	82.67464	42.08431	0.278585
## 113	107.16775	58.45455	0.357164
## 114	101.83175	55.60572	0.431442
## 115	101.57985	49.04167	0.528622
## 116	88.54514	45.47513	0.689013
## 117	86.15765	43.27179	0.572051
## 118	116.98658	48.54784	0.322332
## 119	129.80591	42.54838	0.661274
## 120	98.18927	45.02665	0.780298
## 121	124.23515	63.75102	0.240792
## 122	114.65834	45.87523	0.571229
## 123	130.81813	48.95061	0.731949
## 124	108.45376	44.66286	0.721314
## 125	101.57056	45.56619	0.638591
## 126	107.50905	44.78606	0.595114
## 127	104.65601	44.73765	0.836681
## 128	106.31866	49.59996	0.806709
## 129	107.01436	51.96888	0.677512
## 130	102.36607	54.43504	0.577738
## 131	107.33746	60.83214	0.585674
## 132	118.44209	51.68258	0.808092
## 133	109.94714	47.69035	0.794293
## 134	114.01035	55.97525	0.830367
## 135	80.76405	45.76862	0.274573
## 136	119.57372	43.96037	0.507269
## 137	137.64148	50.91145	0.559101
## 138	133.67169	31.89499	0.618350
## 139	105.18605	39.11770	0.287433
## 140	95.49952	63.54641	0.357657
## 141	96.36031	38.64836	0.296201
## 142	92.86983	46.70886	0.458822

## 143	117.14317	53.81593	0.416824
## 144	115.49300	53.42792	0.274468
## 145	133.98384	47.19257	0.240982
## 146	126.13590	45.79636	0.353467
## 147	131.12036	47.37928	0.355664
## 148	129.26689	49.35903	0.367716
## 149	139.87981	45.87024	0.351657
## 150	135.04684	45.42479	0.340730
## 151	142.01578	64.81351	0.223843
## 152	134.64996	45.75295	0.288692
## 153	140.22336	54.74101	0.316012
## 154	127.67581	48.18566	0.275247
## 155	134.58661	39.84593	0.282162
## 156	133.45664	45.45289	0.460619
## 157	100.65654	53.18181	0.306262
## 158	124.74567	65.09210	0.351107
## 159	140.65506	37.44886	0.422371
## 160	137.77480	53.91720	0.342145
## 161	137.94406	51.28965	0.191778
## 162	141.20872	38.23186	0.374066
## 163	129.90292	57.86502	0.424740
## 164	118.21835	61.02213	0.389495
## 165	127.78378	49.10698	0.530459
## 166	127.39005	45.25499	0.741327
## 167	126.04759	52.26187	0.702755
## 168	134.22275	52.60298	0.766420
## 169	122.35375	61.65615	0.637668
## 170	102.35438	54.43403	0.546305
## 171	96.32066	43.16421	0.764017
## 172	122.36344	66.40731	0.356812
## 173	99.21005	42.66089	0.716181
## 174	109.86395	43.59764	0.726702
## 175	102.25733	49.39114	0.718828
## 176	81.44934	47.91013	0.449944
## 177	72.95518	34.43116	0.731214
## 178	85.57060	47.54232	0.761098
## 179	105.56193	42.37439	0.787223
## 180	83.14663	47.08391	0.540476
## 181	96.93759	55.31981	0.543883
## 182	81.66024	42.47277	0.687267
## 183	88.05306	39.08850	0.706332
## 184	88.89001	45.85490	0.599796
## 185	90.86258	42.26875	0.786365
## 186	105.46211	56.21261	0.665118
## 187	112.09047	54.78889	0.594221
## 188	106.16689	60.81080	0.300522
## 189	118.63956	55.06329	0.548760
## 190	112.78797	67.65060	0.250772
## 191	124.99185	55.07133	0.463580
## 192	125.25967	60.44352	0.287970
## 193	117.87699	57.61246	0.347045
## 194	121.63888	59.10509	0.587358
## 195	134.66461	60.63607	0.494879
## 196	110.67790	59.07729	0.424888

## 197	129.43349	61.58518	0.567640
## 198	110.23391	60.25624	0.512078
## 199	83.82008	37.08403	0.827720
## 200	90.77593	39.79762	0.845365
## 201	100.78188	61.12141	0.649379
## 202	103.48204	48.64731	0.672044
## 203	118.09646	48.20187	0.645988
## 204	129.58672	51.64390	0.711846
## 205	136.10770	55.40016	0.613369
## 206	137.14877	55.73463	0.583699
## 207	108.71973	45.54596	0.416145
## 208	105.90685	53.82714	0.367465
## 209	109.84465	54.73237	0.646329
## 210	91.94413	58.91639	0.365488
## 211	135.02869	63.92908	0.430854
## 212	158.05783	70.04309	0.660322
## 213	120.28857	59.28855	0.798878
## 214	118.07534	55.17202	0.536319
## 215	76.79960	38.80792	0.787861
## 216	127.70863	44.38660	0.397417
## 217	139.29359	48.42869	0.540074
## 218	121.35476	50.79795	0.725875
## 219	125.85268	45.13424	0.718353
## 220	114.34180	47.85542	0.672369
## 221	114.36339	50.22977	0.574022
## 222	91.14117	45.87796	0.588786
## 223	102.53793	53.39811	0.764111
## 224	104.29699	48.73157	0.775162
## 225	103.98707	43.91381	0.845949
## 226	113.55130	57.38692	0.602342
## 227	99.82745	52.03537	0.550998
## 228	89.34244	46.05052	0.584813
## 229	108.24412	49.20899	0.800095
## 230	112.88564	49.87135	0.803256
## 231	111.80076	52.02668	0.818626
## 232	89.71287	51.41441	0.236551
## 233	110.66370	48.00024	0.501039
## 234	100.76075	58.68748	0.552925
## 235	111.97083	47.92766	0.577179
## 236	135.54086	29.93281	0.266682
## 237	97.21646	51.70525	0.425437
## 238	84.03644	46.90585	0.279976
## 239	85.03432	42.03662	0.290785
## 240	85.62575	49.78723	0.330974
## 241	129.94238	49.88564	0.310236
## 242	105.22089	47.49207	0.446210
## 243	126.04192	54.18786	0.499700
## 244	132.27280	56.25110	0.564496
## 245	124.22384	58.27004	0.447491
## 246	117.88523	43.02090	0.598051
## 247	110.19669	46.83530	0.671089
## 248	105.77333	44.48070	0.760434
## 249	99.96263	51.75444	0.634644
## 250	111.18281	56.95525	0.533034

## 251	100.97983	46.55385	0.737766
## 252	92.60541	60.04964	0.350531
## 253	97.98933	39.83294	0.689345
## 254	107.95408	43.72930	0.732879
## 255	91.76530	35.66908	0.634813
## 256	115.03928	46.90604	0.769154
## 257	127.71738	50.64453	0.567029
## 258	92.53329	50.62539	0.388207
## 259	117.60648	50.64491	0.592792
## 260	126.08243	48.13055	0.723700
## 261	123.79660	46.99625	0.694452
## 262	115.98168	57.01266	0.311034
## 263	106.46784	43.55442	0.229622
## 264	87.13677	43.18393	0.247890
## 265	90.32523	49.17142	0.302201
## 266	127.08788	69.78865	0.136333
## 267	100.17693	64.66048	0.320862
## 268	134.47348	65.29040	0.306843
## 269	95.19999	53.14762	0.207863
## 270	122.32585	64.99486	0.274745
## 271	115.55118	59.49123	0.255559
## 272	92.36517	58.10592	0.232542
## 273	135.04073	72.24519	0.406840
## 274	119.70010	54.43013	0.518802
## 275	86.16494	51.30189	0.470793
## 276	91.39331	53.22736	0.125488
## 277	125.96709	57.46362	0.109511
## 278	122.01904	60.70203	0.345092
## 279	124.37901	73.60297	0.230492
## 280	64.73813	35.83313	0.348660
## 281	110.32057	41.68115	0.162030
## 282	111.81650	42.51911	0.279269
## 283	103.78059	54.63806	0.261706
## 284	112.61784	40.08023	0.403760
## 285	108.91876	43.99668	0.758910
## 286	123.14903	63.42218	0.523963
## 287	126.40266	65.76231	0.591803
## 288	93.58119	50.52539	0.579674
## 289	126.15625	60.19806	0.623946
## 290	135.02112	49.84833	0.626587
## 291	118.39333	46.25475	0.753896
## 292	142.28404	47.77920	0.467853
## 293	120.35647	48.75888	0.736872
## 294	135.96249	51.57095	0.515974
## 295	134.64792	53.41892	0.506974
## 296	130.85854	53.65845	0.695418
## 297	137.42143	65.52325	0.503065
## 298	134.63559	62.40214	0.647672
## 299	151.16524	51.22575	0.684318
## 300	143.85194	48.14214	0.498685
## 301	124.14946	61.11491	0.360089
## 302	130.99049	47.20245	0.583927
## 303	138.39944	50.92851	0.731461
## 304	128.08067	52.51380	0.668140

## 305	142.17381	53.66404	0.824130
## 306	128.47899	48.63203	0.442236
## 307	133.27431	63.31656	0.788597
## 308	132.79457	53.14313	0.681568
## 309	145.13989	50.59887	0.778297
## 310	142.24831	69.53168	0.571746
## 311	132.90411	63.69425	0.552652
## 312	125.32581	58.91813	0.510690
## 313	116.88609	58.83378	0.713787
## 314	114.88546	58.97786	0.672433
## 315	141.10269	50.12403	0.915496
## 316	131.14970	48.20370	0.379086
## 317	146.89255	54.46153	0.363741
## 318	100.89221	51.00298	0.211837
## 319	103.08019	58.69580	0.231567
## 320	92.78281	46.54837	0.253844
## 321	127.84875	65.19559	0.235329
## 322	127.17550	48.84224	0.342243
## 323	135.24844	63.01443	0.272210
## 324	155.16086	62.07433	0.216591
## 325	159.60001	63.27223	0.383660
## 326	138.89780	66.32423	0.218046
## 327	116.47606	48.34739	0.347757
## 328	109.12400	54.10757	0.289531
## 329	111.45224	44.17408	0.327990
## 330	131.86791	45.08035	0.174861
## 331	99.20594	52.35417	0.277510
## 332	123.58554	61.61159	0.351983
## 333	125.77123	62.32666	0.137851
## 334	123.54860	64.93971	0.096699
## 335	112.63141	53.77498	0.317794
## 336	126.07674	51.35819	0.327301
## 337	119.64871	65.80939	0.214817
## 338	106.85587	55.14317	0.308466
## 339	133.03117	56.46978	0.416882
## 340	111.56382	58.30428	0.211041
## 341	120.00339	56.34329	0.311879
## 342	122.27485	55.29832	0.488314
## 343	97.16831	56.34685	0.286104
## 344	122.68973	53.82568	0.277690
## 345	117.87740	52.24984	0.454465
## 346	160.55588	55.06573	0.495608
## 347	145.73718	56.51164	0.185533
## 348	117.40334	46.00751	0.744147
## 349	92.16812	52.01556	0.383314
## 350	96.02287	44.70457	0.289466
## 351	71.52782	34.27472	0.365476
## 352	91.89119	35.94887	0.465272
## 353	83.04929	42.24991	0.417908
## 354	95.33569	35.85067	0.355635
## 355	84.54002	43.80651	0.462010
## 356	88.34316	52.48658	0.509869
## 357	104.18391	55.82058	0.310380
## 358	89.74514	51.07109	0.292501

## 359	113.90745	43.70187	0.821942
## 360	146.84784	65.96394	0.391070
## 361	134.48202	48.34723	0.359476
## 362	135.89450	49.63965	0.685984
## 363	126.98280	60.82947	0.375796
## 364	122.38390	57.29900	0.439684
## 365	80.19295	43.81336	0.664326
## 366	113.83838	65.52015	0.824402
## 367	117.88676	55.48043	0.556520
## 368	109.52356	53.32257	0.817885
## 369	118.26717	54.84709	0.316179
## 370	113.35626	48.23742	0.410692
## 371	121.44959	62.27599	0.432188
## 372	131.98390	43.54221	0.644214
## 373	103.06874	50.75724	0.812100
## 374	135.02907	37.96915	0.631217
## 375	136.20934	42.38306	0.762292
## 376	144.59523	48.25131	0.754247
## 377	136.67368	41.32545	0.912264
## 378	109.49685	49.34474	0.425168
## 379	103.90546	60.02112	0.405961
## 380	117.33678	55.75627	0.493039
## 381	137.38025	50.49906	0.511726
## 382	129.71512	57.05979	0.461201
## 383	136.46173	61.96682	0.431195
## 384	148.39423	60.11094	0.452527
## 385	109.67666	58.28177	0.468888
## 386	113.60482	60.45359	0.344598
## 387	139.00694	54.96000	0.390875
## 388	135.87611	44.60763	0.831051
## 389	128.28481	47.69327	0.533078
## 390	127.13132	53.38870	0.719552
## 391	112.67027	52.64957	0.611665
## 392	107.00075	51.83268	0.727774
## 393	106.18835	50.60885	0.702598
## 394	108.14938	64.55909	0.401801
## 395	99.46759	49.74960	0.558956
## 396	105.42242	64.02988	0.711929
## 397	123.33459	58.74547	0.846671
## 398	113.91721	65.39150	0.810822
## 399	112.86958	47.42024	0.880897
## 400	105.03716	51.67739	0.804915
## 401	105.29960	59.54701	0.555560
## 402	103.01159	62.39974	0.386949
## 403	115.77408	56.37987	0.500638
## 404	108.08479	57.88105	0.832389
## 405	133.71303	51.05437	0.559123
## 406	142.43605	51.25380	0.498908
## 407	130.73558	59.09812	0.614479
## 408	145.77650	41.17507	0.548995
## 409	165.83919	52.92829	0.493504
## 410	130.93617	46.30402	0.420537
## 411	160.85890	42.50075	0.542013
## 412	114.02212	55.32269	0.474219

## 413	136.69746	37.73336	0.838010
## 414	111.95887	56.99425	0.655154
## 415	101.11974	42.45551	0.858180
## 416	113.31863	50.69605	0.588702
## 417	127.81387	63.76789	0.427515
## 418	79.81804	45.23094	0.653502
## 419	129.14223	67.11393	0.296697
## 420	96.07379	51.95575	0.297449
## 421	134.01927	56.95238	0.417771
## 422	136.92235	60.07667	0.381537
## 423	160.76991	44.05506	0.456200
## 424	169.93964	54.26284	0.441828
## 425	144.70924	65.70783	0.476237
## 426	140.16156	48.38313	0.437136
## 427	143.70509	60.98683	0.427345
## 428	135.01065	41.08962	0.761815
## 429	124.30298	53.79628	0.531656
## 430	117.27885	44.63670	0.893707
## 431	95.75824	55.83181	0.528397
## 432	110.39801	63.98263	0.467595
## 433	113.43831	65.45528	0.491399
## 434	116.01305	52.55898	0.464565
## 435	127.70355	60.07802	0.445724
## 436	109.85003	53.67378	0.421367
## 437	97.98518	57.35070	0.293836
## 438	111.04330	48.27951	0.504345
## 439	128.24965	61.14083	0.352028
## 440	119.67102	47.46583	0.431132
## 441	109.09800	56.87790	0.306136
## 442	129.94943	54.63307	0.580838
## 443	124.22490	56.74119	0.520661
## 444	96.05198	54.55868	0.427005
## 445	92.75187	56.03527	0.530923
## 446	129.74307	69.43268	0.484035
## 447	119.11747	59.98872	0.485292
## 448	81.87139	49.92558	0.421679
## 449	92.74784	37.88720	0.621109
## 450	101.89760	46.70516	0.838588
## 451	119.74844	55.69362	0.742606
## 452	123.92111	47.48083	0.890164
## 453	121.22834	42.12370	0.873800
## 454	108.04138	36.38450	0.554381
## 455	127.97948	58.05636	0.617053
## 456	124.70068	52.89565	0.757560
## 457	121.52194	52.77312	0.534654
## 458	133.68401	54.02256	0.702165
## 459	118.10862	48.13797	0.622167
## 460	132.89722	44.53890	0.527827
## 461	123.41682	65.73092	0.755544
## 462	125.10793	60.48613	0.466770
## 463	83.77937	57.46492	0.535885
## 464	106.33713	51.42361	0.311699
## 465	101.31110	56.97645	0.284959
## 466	106.02924	46.55991	0.835778

## 467	157.55238	54.51917	0.413984
## 468	101.42456	53.68671	0.314985
## 469	126.77898	51.06575	0.465913
## 470	122.38473	59.65039	0.407951
## 471	130.25073	57.01713	0.441954
## 472	114.10831	54.71213	0.324843
## 473	130.45641	60.35955	0.494112
## 474	151.56506	54.87906	0.423112
## 475	99.14405	44.62957	0.416681
## 476	95.90594	59.87731	0.324329
## 477	97.14417	57.10827	0.715288
## 478	119.48971	50.98277	0.364414
## 479	106.44869	60.90133	0.403930
## 480	113.27387	53.28529	0.644964
## 481	122.54822	57.92690	0.876252
## 482	88.33028	46.48568	0.330778
## 483	83.17420	45.77291	0.683107
## 484	117.21733	56.37308	0.520784
## 485	101.63860	50.23145	0.535632
## 486	80.61155	34.86215	0.824828
## 487	97.94417	39.53202	0.792764
## 488	94.64173	40.77977	0.603085
## 489	100.20008	45.30811	0.513820
## 490	105.40015	41.05235	0.491242
## 491	95.92607	47.88782	0.302469
## 492	122.68774	57.16172	0.441123
## 493	114.12067	56.50946	0.388191
## 494	97.30714	48.46730	0.472204
## 495	115.48879	45.40687	0.772941
## 496	87.45610	36.33746	0.483224
## 497	118.61234	56.64149	0.426322
## 498	138.21834	68.33324	0.518834
## 499	151.68282	46.48090	0.598921
## 500	124.64273	62.83174	0.380315
## 501	127.93654	51.01321	0.481202
## 502	104.96558	56.23643	0.374427
## 503	133.70337	67.30076	0.290228
## 504	132.43585	58.48489	0.505499
## 505	101.08600	65.52281	0.417343
## 506	115.96018	60.35530	0.487000
## 507	99.35933	53.49536	0.541772
## 508	114.16465	56.49818	0.819195
## 509	121.54143	56.76534	0.268891
## 510	116.72061	60.30099	0.859524
## 511	126.79368	45.47854	0.297796
## 512	111.14574	51.18892	0.459624
## 513	96.45159	54.73456	0.544402
## 514	113.84328	50.82101	0.355614
## 515	100.49901	53.85350	0.271998
## 516	112.36357	61.28555	0.755789
## 517	138.09093	71.74112	0.284284
## 518	78.32677	47.76585	0.447122
## 519	101.15031	48.32002	0.535890
## 520	79.02341	46.86024	0.406992

## 521	92.35603	49.29190	0.461876
## 522	118.56064	48.00095	0.508500
## 523	128.96053	49.97155	0.713364
## 524	112.76354	46.93171	0.595022
## 525	122.56829	50.89057	0.338585
## 526	111.32913	45.84495	0.631040
## 527	119.36364	61.08406	0.818238
## 528	99.45355	50.51960	0.468567
## 529	96.02415	50.57468	0.420580
## 530	113.88072	45.66213	0.512466
## 531	107.16534	51.77520	0.508581
## 532	97.94579	60.65445	0.512988
## 533	92.79206	50.42025	0.655895
## 534	95.41039	47.78242	0.403289
## 535	108.90923	46.89851	0.541073
## 536	91.83919	58.73968	0.547320
## 537	116.92245	59.90214	0.537332
## 538	108.93848	60.62295	0.422955
## 539	88.15723	51.48957	0.363710
## 540	81.69559	45.90353	0.544058
## 541	93.71726	56.39218	0.433205
## 542	93.21424	61.43794	0.394359
## 543	99.58562	46.74008	0.440339
## 544	111.96390	44.69595	0.664951
## 545	82.50296	48.27335	0.593671
## 546	104.74073	44.05343	0.512509
## 547	118.61744	76.07606	0.551003
## 548	111.28497	69.36609	0.412757
## 549	107.14180	71.75906	0.584181
## 550	119.92998	72.10088	0.680557
## 551	131.21951	72.73391	0.487978
## 552	109.46412	57.83091	0.459649
## 553	103.20709	61.20703	0.753405
## 554	100.65735	51.48957	0.483089
## 555	146.21747	66.64009	0.449145
## 556	130.00282	59.81716	0.484108
## 557	120.44177	59.49715	0.512265
## 558	140.76001	53.55468	0.723555
## 559	115.66542	59.94169	0.425140
## 560	96.66635	42.91345	0.624455
## 561	61.20042	32.70052	0.559153
## 562	62.99981	33.49135	0.617790
## 563	66.86106	31.32682	0.517689
## 564	125.54305	60.26530	0.612047
## 565	116.83336	49.75676	0.423110
## 566	110.17046	51.11798	0.586908
## 567	141.40749	59.13833	0.798524
## 568	138.85936	59.14077	0.519380
## 569	139.77596	52.81203	0.453860
## 570	136.09827	51.56275	0.482102
## 571	125.75220	54.14505	0.640636
## 572	104.63082	53.28547	0.608183
## 573	124.93831	53.29372	0.510010
## 574	130.24501	44.58648	0.438955

## 575	136.78983	43.58133	0.808758
## 576	138.66727	43.88349	0.811793
## 577	105.37231	31.35619	0.732492
## 578	145.91344	46.11520	0.780317
## 579	124.76346	50.93299	0.884755
## 580	103.74831	47.88171	0.468727
## 581	84.48827	38.55481	0.698029
## 582	100.43828	42.56315	0.491567
## 583	81.19061	47.68291	0.628087
## 584	95.54304	47.98435	0.593780
## 585	90.60923	52.93728	0.599050
## 586	81.49023	37.66697	0.548386
## 587	74.52920	44.67765	0.493729
## 588	93.69703	45.38102	0.592957
## 589	77.63416	45.50016	0.547811
## 590	96.50685	55.40761	0.474498
## 591	83.79042	52.91905	0.453485
## 592	89.51863	45.03119	0.496136
## 593	87.28212	45.23014	0.383385
## 594	57.73767	26.32272	0.316187
## 595	65.36771	38.91294	0.472345
## 596	74.24743	40.59521	0.425571
## 597	68.52239	38.80492	0.535662
## 598	77.81132	53.87145	0.305866
## 599	78.51248	48.13983	0.558499
## 600	81.44031	45.84741	0.576743
## 601	96.51023	50.16087	0.618526
## 602	83.41444	44.60464	0.561395
## 603	80.99236	46.19551	0.832106
## 604	108.86739	42.77173	0.789312
## 605	110.50977	55.89753	0.847342
## 606	108.68179	36.98891	0.441880
## 607	103.75077	41.05999	0.724602
## 608	112.78570	42.07919	0.433201
## 609	117.47728	41.71718	0.500164
## 610	111.79809	35.48518	0.387676
## 611	93.33497	44.76454	0.377253
## 612	145.21800	61.64694	0.321136
## 613	132.42480	66.16648	0.484863
## 614	148.18739	67.90861	0.547373
## 615	83.24254	44.38792	0.360212
## 616	64.99547	35.64181	0.463642
## 617	95.66323	59.72598	0.687726
## 618	70.47262	27.39627	0.336032
## 619	91.11669	47.89900	0.730579
## 620	85.87421	44.90762	0.522840
## 621	71.11355	28.68799	0.470219
## 622	100.94555	63.93662	0.397042
## 623	55.37118	26.42378	0.456743
## 624	107.10870	49.74927	0.597022
## 625	84.85094	44.70481	0.363238
## 626	102.33281	42.76122	0.499827
## 627	89.34972	48.71302	0.498977
## 628	97.29712	38.94304	0.938336

## 629	123.28501	62.19540	0.466196
## 630	137.52006	70.49141	0.325395
## 631	127.69113	67.60541	0.336487
## 632	107.18021	47.05924	0.772822
## 633	123.25764	53.44936	0.279587
## 634	126.54237	43.01608	0.643413
## 635	137.31261	56.89036	0.521614
## 636	129.37009	48.09341	0.581988
## 637	80.91985	34.61729	0.692699
## 638	112.66264	52.80723	0.605380
## 639	125.03220	49.00987	0.606020
## 640	105.48955	66.57004	0.703827
## 641	97.56165	52.29904	0.537469
## 642	89.75916	50.41190	0.373718
## 643	94.77895	48.09852	0.327299
## 644	76.12292	41.05654	0.317355
## 645	78.96880	42.44255	0.434187
## 646	93.22729	41.97255	0.434099
## 647	84.68930	31.66989	0.858793
## 648	113.22894	48.61114	0.487031
## 649	107.77734	59.11263	0.367194
## 650	103.58175	50.86256	0.752900
## 651	119.73391	68.33535	0.730655
## 652	97.33965	49.93227	0.381857
## 653	101.03560	48.99765	0.513921
## 654	92.61844	45.39796	0.503017
## 655	96.93000	41.63096	0.556925
## 656	106.01811	38.85456	0.638657
## 657	93.89479	37.40210	0.384947
## 658	95.43667	46.09754	0.502764
## 659	96.23841	40.78292	0.580640
## 660	99.32029	61.19834	0.432716
## 661	102.36043	37.75422	0.413719
## 662	108.95976	41.05057	0.877762
## 663	116.84521	49.65614	0.915782
## 664	102.68728	46.61319	0.505074
## 665	98.52834	52.15558	0.468379
## 666	80.85776	36.93353	0.467166
## 667	130.00670	59.50891	0.358273
## 668	136.87042	48.70139	0.732836
## 669	92.48734	44.44891	0.542532
## 670	117.08097	58.93769	0.657023
## 671	117.44987	51.29665	0.487120
## 672	136.51787	54.90618	0.361643
## 673	105.29648	60.91249	0.495633
## 674	87.17960	56.52631	0.278783
## 675	114.58286	55.40698	0.745099
## 676	115.93932	56.46487	0.551751
## 677	120.76858	59.06302	0.890851
## 678	131.27469	64.59463	0.715321
## 679	105.24294	56.29676	0.857061
## 680	117.54015	48.06498	0.923194
## 681	114.95052	68.30984	0.490237
## 682	96.84152	59.20305	0.390854

## 683	137.07452	53.00274	0.486625
## 684	139.41951	38.98939	0.707740
## 685	121.28772	32.73740	0.979368
## 686	114.23084	37.91637	0.419428
## 687	107.89473	36.83332	0.953315
## 688	121.40764	39.89313	0.941366
## 689	121.50295	36.55539	0.964414
## 690	119.03980	34.93075	0.963388
## 691	109.90829	34.03487	0.650837
## 692	97.64877	45.07683	0.696180
## 693	91.12653	35.85314	0.737410
## 694	105.05653	38.91056	0.776429
## 695	112.10494	46.95209	0.799160
## 696	108.36774	43.46972	0.700549
## 697	102.23403	47.71560	0.638571
## 698	92.95077	45.18072	0.615199
## 699	86.42084	43.74052	0.734325
## 700	137.11705	46.33307	0.877551
## 701	141.16469	45.29654	0.971245
## 702	139.27824	46.09929	0.798928
## 703	123.89170	37.89084	0.882723
## 704	126.53890	33.44505	0.948563
## 705	123.70890	32.35862	0.853047
## 706	122.95378	34.66977	0.981842
## 707	122.40212	35.89446	0.840359
## 708	119.73354	36.92203	0.974545
## 709	125.67818	37.21606	0.957415
## 710	118.32690	33.74850	0.420483
## 711	131.42363	43.75496	0.863864
## 712	144.60146	44.59834	0.757053
## 713	123.52848	39.27011	0.977008
## 714	123.62690	39.16423	0.627982
## 715	119.38842	33.05567	0.750996
## 716	130.37968	46.05046	0.481274
## 717	106.22164	30.57801	0.647030
## 718	101.30089	32.35715	0.846949
## 719	135.26924	45.07568	0.981066
## 720	94.63939	26.86962	0.816300
## 721	105.45879	23.14189	0.871300
## 722	99.23988	49.21658	0.593402
## 723	101.33499	33.43722	0.711020
## 724	114.57057	38.06351	0.836215
## 725	140.33903	54.18926	0.754816
## 726	129.20299	51.55464	0.536641
## 727	126.11700	50.73414	0.589046
## 728	124.74967	53.41922	0.407414
## 729	107.00157	57.43342	0.409870
## 730	128.36574	51.88300	0.826517
## 731	113.50636	45.11897	0.493297
## 732	98.55800	37.11173	0.533058
## 733	96.58652	41.07221	0.565056
## 734	99.17401	41.84647	0.853684
## 735	104.21882	47.00174	0.356102
## 736	80.21829	37.12622	0.253967

## 737	79.08162	34.86243	0.824125
## 738	93.41217	41.15757	0.496462
## 739	91.15610	46.15860	0.307662
## 740	100.89208	50.48277	0.474005
## 741	99.26479	47.80882	0.808231
## 742	101.42389	44.79166	0.327346
## 743	103.34930	55.41529	0.330134
## 744	96.48434	42.85538	0.858899
## 745	87.95012	44.85846	0.418373
## 746	83.74819	48.66036	0.292676
## 747	78.02154	44.80509	0.560480
## 748	90.22257	50.85659	0.602848
## 749	122.44903	61.40826	0.693341
## 750	107.11906	54.87056	0.413831
## 751	101.53580	43.66879	0.803748
## 752	98.48042	58.67416	0.851131
## 753	107.62430	51.59298	0.457097
## 754	97.54848	43.76438	0.288240
## 755	109.69380	61.13541	0.587364
## 756	128.46912	66.40089	0.348577
## 757	100.40604	45.60475	0.419094
## 758	102.52238	48.48547	0.590822
## 759	113.21577	34.50927	0.465278
## 760	93.26154	48.05268	0.492959
## 761	110.53408	41.97424	0.691356
## 762	110.13801	37.74364	0.319932
## 763	114.36437	44.96011	0.914443
## 764	98.58578	50.08106	0.843588
## 765	83.76127	32.83916	0.859024
## 766	93.44959	43.65471	0.881844
## 767	105.25726	44.01890	0.906000
## 768	100.77388	49.78590	0.407252
## 769	108.93262	70.43369	0.792835
## 770	110.77406	57.45834	0.894296
## 771	117.33981	66.25382	0.777391
## 772	102.39510	49.08438	0.858246
## 773	112.43820	54.85663	0.339008
## 774	115.68073	66.52889	0.439973
## 775	94.52020	51.55949	0.576782
## 776	117.70388	53.70552	0.804424
## 777	101.38613	37.83149	0.719400
## 778	113.66304	45.93391	0.296746
## 779	102.17576	37.18059	0.254197
## 780	94.88088	31.56413	0.450447
## 781	105.88295	47.59804	0.479943
## 782	108.71175	39.86336	0.799571
## 783	123.02663	29.28519	0.836220
## 784	120.28029	29.27255	0.766358
## 785	122.16529	36.44229	0.688463
## 786	118.03664	40.16810	0.890008
## 787	122.91109	43.28571	0.344730
## 788	125.92649	35.67052	0.576116
## 789	138.35710	45.79337	0.639332
## 790	124.03191	45.36476	0.858743

## 791	110.66372	43.24686	0.620517
## 792	118.15709	44.50438	0.524420
## 793	115.53692	46.45191	0.353272
## 794	109.50732	52.17167	0.598918
## 795	101.42195	30.65815	0.544516
## 796	130.48645	55.89426	0.543347
## 797	141.64023	43.54536	0.947066
## 798	111.69434	52.15355	0.536920
## 799	132.06566	61.88625	0.381601
## 800	110.17540	46.22103	0.325410
## 801	101.13834	57.49215	0.317457
## 802	131.72501	67.87650	0.427888
## 803	136.77103	55.87665	0.433087
## 804	113.70912	45.93651	0.857403
## 805	84.38044	39.33928	0.884240
## 806	79.64806	42.50752	0.427147
## 807	113.00298	49.12591	0.756594
## 808	141.71646	48.67153	0.681845
## 809	130.12650	47.13638	0.972560
## 810	142.26695	45.48753	0.696493
## 811	128.28102	51.93224	0.819684
## 812	142.33952	44.50152	0.982870
## 813	145.37822	46.32698	0.800086
## 814	139.98351	45.36765	0.815002
## 815	142.12865	45.89668	0.813914
## 816	139.62935	46.82778	0.719569
## 817	140.86446	49.70215	0.838461
## 818	120.57122	65.37706	0.373085
## 819	123.72526	35.07553	0.782722
## 820	120.78800	36.95274	0.778549
## 821	133.68346	31.97744	0.975071
## 822	142.86583	33.55760	0.652985
## 823	137.62349	36.80226	0.789589
## 824	140.87755	51.06990	0.796946
## 825	125.17243	48.00386	0.747308
## 826	101.47414	49.13397	0.830492
## 827	135.84079	45.05645	0.540152
## 828	135.56149	46.74831	0.541501
## 829	124.71509	44.76349	0.342514
## 830	94.56970	30.30282	0.544813
## 831	95.11053	27.76814	0.321128
## 832	103.49685	37.06632	0.864875
## 833	109.60857	40.79678	0.345348
## 834	92.78167	33.46331	0.612073
## 835	77.21688	34.80437	0.657813
## 836	98.21799	42.91128	0.711423
## 837	87.75320	37.17053	0.654989
## 838	82.76281	41.01915	0.810312
## 839	92.65572	42.76542	0.626804
## 840	107.77156	58.10810	0.637477
## 841	104.03377	48.04513	0.495962
## 842	98.43892	58.13544	0.372315
## 843	93.51169	35.00529	0.622939
## 844	92.17122	33.91420	0.653530

## 845	85.69364	32.50332	0.665658
## 846	71.34737	34.82825	0.498231
## 847	102.22684	34.30036	0.549596
## 848	105.41949	43.31287	0.510478
## 849	87.47468	46.02840	0.477859
## 850	92.07227	50.50685	0.231301
## 851	100.06088	44.31649	0.359470
## 852	90.14596	39.69594	0.381848
## 853	106.10756	48.51893	0.473943
## 854	108.17912	54.93158	0.380005
## 855	108.67635	44.26266	0.457411
## 856	98.00719	40.80986	0.614598
## 857	89.69039	29.25174	0.904998
## 858	85.35616	33.51808	0.562960
## 859	95.07631	37.43388	0.743987
## 860	123.18505	55.79271	0.811283
## 861	133.02583	55.59743	0.576972
## 862	132.53615	36.72185	0.548653
## 863	139.99994	44.67199	0.733054
## 864	126.11092	46.50019	0.486806
## 865	122.85197	44.44574	0.549240
## 866	130.98431	46.19425	0.843843
## 867	110.35213	57.69942	0.656733
## 868	140.14348	57.52559	0.722335
## 869	127.89123	58.32837	0.600424
## 870	112.81216	54.39494	0.425455
## 871	121.61367	62.84404	0.644538
## 872	123.17705	67.39861	0.558527
## 873	132.94801	62.89537	0.626731
## 874	116.01466	48.16692	0.621349
## 875	124.46723	51.06820	0.706838
## 876	128.50656	44.21695	0.858081
## 877	123.41004	44.36104	0.777468
## 878	138.56667	40.94176	0.533044
## 879	134.69604	36.15144	0.321968
## 880	135.25705	46.97602	0.406541
## 881	133.71318	49.22687	0.397139
## 882	145.56406	55.74211	0.374726
## 883	137.21979	44.24031	0.369135
## 884	144.17545	45.28146	0.778584
## 885	141.13986	50.84902	0.315878
## 886	123.12386	56.17688	0.381870
## 887	109.68770	52.11443	0.707092
## 888	105.49984	35.31138	0.299265
## 889	115.60287	44.99040	0.395677
## 890	100.47973	53.47550	0.435297
## 891	120.67886	55.21862	0.655765
## 892	97.87202	34.75637	0.862864
## 893	111.85957	43.91389	0.942135
## 894	115.63518	61.35081	0.435923
## 895	133.57790	50.25365	0.674248
## 896	143.45764	46.19605	0.721546
## 897	142.31671	46.99124	0.797065
## 898	155.77753	42.94370	0.959907

## 899	141.04950	48.53180	0.877108
## 900	123.36079	69.94207	0.627017
## 901	137.76921	45.74025	0.938325
## 902	133.87679	70.27470	0.637524
## 903	144.20754	39.46297	0.946061
## 904	133.23621	58.07937	0.784175
## 905	154.88719	39.86775	0.930217
## 906	150.01022	39.38936	0.927361
## 907	148.54353	68.86544	0.609120
## 908	150.58153	44.49667	0.923417
## 909	149.10242	43.62425	0.827169
## 910	130.38646	48.02629	0.749863
## 911	143.09723	39.15474	0.932976
## 912	146.19669	39.47305	0.910880
## 913	142.16000	43.59651	0.824301
## 914	112.76216	52.72738	0.836612
## 915	114.13975	51.07914	0.438526
## 916	125.27601	46.95338	0.465194
## 917	119.46285	58.31111	0.709504
## 918	124.61586	60.10738	0.325485
## 919	122.01512	55.82530	0.637115
## 920	117.23950	41.87667	0.584921
## 921	118.99621	62.83526	0.392289
## 922	78.29197	22.31729	0.416749
## 923	73.23676	27.35213	0.323218
## 924	69.98401	30.59610	0.644116
## 925	81.17386	18.22121	0.513939
## 926	86.42895	29.68813	0.571998
## 927	95.29412	48.56435	0.831757
## 928	122.82346	42.84688	0.822152
## 929	107.61664	46.42936	0.909981
## 930	110.92954	47.64372	0.830809
## 931	108.43167	47.26348	0.901504
## 932	102.12580	44.74895	0.541850
## 933	125.42042	56.46186	0.321345
## 934	137.43015	50.10587	0.405100
## 935	137.28796	39.61190	0.397451
## 936	137.55339	49.82569	0.355435
## 937	140.68243	53.14503	0.370428
## 938	141.37816	42.47367	0.776286
## 939	146.32277	50.31673	0.315196
## 940	121.38502	49.59528	0.379974
## 941	137.41118	62.11355	0.711170
## 942	107.07930	36.43545	0.299344
## 943	119.93237	46.35632	0.396480
## 944	88.79328	44.92925	0.418563
## 945	81.77262	35.79735	0.693361
## 946	110.87313	52.56209	0.387316
## 947	96.16056	47.30252	0.333904
## 948	118.40753	63.50809	0.321433
## 949	91.05845	49.39923	0.433950
## 950	104.07436	41.30895	0.436282
## 951	108.05132	46.76006	0.866254
## 952	126.76815	54.67671	0.385267

## 953	115.19106	57.11291	0.339053
## 954	110.41539	65.31471	0.493489
## 955	116.63949	72.38858	0.545248
## 956	91.43848	36.14442	0.357507
## 957	85.24719	38.09605	0.459968
## 958	81.44163	40.49823	0.696239
## 959	83.36571	38.11048	0.334943
## 960	72.21129	30.09701	0.738494
## 961	110.32481	58.89065	0.524015
## 962	142.49339	59.16512	0.474937
## 963	138.50795	64.58318	0.395701
## 964	133.20329	66.62846	0.450916
## 965	122.11176	66.98100	0.593044
## 966	57.41492	28.44599	0.355101
## 967	90.26997	50.75006	0.500312
## 968	88.02180	55.75606	0.502433
## 969	89.45802	33.52367	0.938304
## 970	78.11260	42.22442	0.510644
## 971	79.76753	61.29959	0.466999
## 972	82.28594	44.04630	0.485626
## 973	101.89022	48.80560	0.355401
## 974	95.47437	39.46671	0.732541
## 975	83.98809	46.32339	0.533680
## 976	82.53982	37.63849	0.651320
## 977	69.35117	35.13644	0.428337
## 978	115.07949	55.00088	0.401929
## 979	135.34895	62.46376	0.495275
## 980	121.42436	62.86114	0.273884
## 981	135.89853	45.25935	0.747329
## 982	129.54185	46.68106	0.553137
## 983	115.70931	57.59263	0.887258
## 984	124.10635	61.93023	0.631425
## 985	99.99810	52.64094	0.854533
## 986	110.41030	66.82761	0.723353
## 987	98.60924	63.53600	0.349307
## 988	118.83549	62.47174	0.470307
## 989	125.67412	48.79111	0.737074
## 990	126.65691	41.17751	0.800333
## 991	132.55174	37.18308	0.988622
## 992	136.54913	35.82341	0.345380
## 993	127.55866	40.14094	0.704750
## 994	147.80586	42.64661	0.755128
## 995	148.19772	48.72645	0.698420
## 996	138.18041	43.24198	0.487852
## 997	156.79892	53.93718	0.728491
## 998	156.58751	50.24684	0.795219
## 999	131.45628	70.88010	0.804012
## 1000	149.12854	51.57747	0.848266
## 1001	109.44228	47.95871	0.844454
## 1002	122.97002	42.11305	0.476977
## 1003	106.54923	33.69874	0.931866
## 1004	139.71637	43.80466	0.608878
## 1005	145.87666	51.72586	0.899533
## 1006	142.98091	51.92331	0.798304

## 1007	90.59128	54.60737	0.625585
## 1008	104.23251	41.32296	0.672368
## 1009	124.05161	57.89859	0.749778
## 1010	138.18459	68.05534	0.542078
## 1011	140.89416	46.90165	0.797308
## 1012	145.77309	52.84073	0.633669
## 1013	128.14310	48.44371	0.670734
## 1014	131.35879	53.15063	0.760517
## 1015	131.12471	59.48325	0.754628
## 1016	149.93254	61.48043	0.657119
## 1017	122.56794	46.80752	0.702367
## 1018	135.19047	49.67278	0.426548
## 1019	142.26349	46.76485	0.599619
## 1020	130.52145	51.07140	0.480445
## 1021	125.01479	51.87429	0.699290
## 1022	137.70567	69.24021	0.700267
## 1023	137.98904	49.68204	0.548856
## 1024	141.37006	44.82585	0.695725
## 1025	149.11636	42.28145	0.650345
## 1026	149.69006	53.05994	0.484805
## 1027	160.14475	47.80628	0.489009
## 1028	148.27672	48.10380	0.392861
## 1029	142.11403	61.05197	0.311870
## 1030	131.37196	56.93634	0.468244
## 1031	144.66527	48.39681	0.500822
## 1032	122.98673	53.31810	0.639105
## 1033	127.87955	66.33964	0.630308
## 1034	126.05161	66.23610	0.588086
## 1035	137.57083	39.83333	0.415595
## 1036	134.16640	48.05074	0.901658
## 1037	137.87628	47.22562	0.868403
## 1038	133.90747	42.01524	0.826030
## 1039	121.50047	46.75934	0.926609
## 1040	134.81708	50.92984	0.893592
## 1041	133.72597	48.35145	0.716471
## 1042	111.55871	50.09765	0.487954
## 1043	134.45476	43.69992	0.815123
## 1044	136.74840	50.82301	0.799428
## 1045	135.60078	43.35704	0.830663
## 1046	137.47649	42.72566	0.776771
## 1047	140.90237	47.74008	0.745166
## 1048	142.12686	41.64388	0.977053
## 1049	157.96493	39.45989	0.796591
## 1050	148.84312	41.70027	0.772732
## 1051	146.64668	42.76796	0.780962
## 1052	155.63358	39.87250	0.975855
## 1053	157.91077	35.02334	0.767765
## 1054	157.53130	41.43894	0.639147
## 1055	146.29025	41.14387	0.761794
## 1056	142.11177	45.53589	0.776124
## 1057	142.90227	40.63031	0.839980
## 1058	157.42110	37.05548	0.491665
## 1059	134.69356	56.14674	0.424727
## 1060	146.03619	39.68362	0.724048

## 1061	150.93840	45.53670	0.800930
## 1062	137.73308	49.71851	0.519756
## 1063	131.37607	38.91394	0.914082
## 1064	116.33520	39.25886	0.725568
## 1065	111.05911	44.86415	0.715995
## 1066	109.87029	46.21511	0.593504
## 1067	133.82730	48.67757	0.501000
## 1068	126.74001	38.98870	0.567129
## 1069	111.22938	36.96468	0.405420
## 1070	101.97501	39.21927	0.399828
## 1071	100.12217	50.44921	0.287687
## 1072	102.17648	42.31285	0.488236
## 1073	139.65804	50.84232	0.804972
## 1074	133.88770	45.61733	0.376169
## 1075	139.67256	63.89496	0.362408
## 1076	110.61190	59.50696	0.300293
## 1077	124.27213	36.94170	0.605588
## 1078	105.70643	43.90903	0.612317
## 1079	88.52344	40.80227	0.878246
## 1080	109.12595	59.22573	0.424877
## 1081	95.35171	53.54702	0.776883
## 1082	100.09012	63.81204	0.230004
## 1083	130.10886	53.29974	0.811090
## 1084	107.27821	48.62848	0.589449
## 1085	119.88863	59.31208	0.672458
## 1086	96.69271	47.14628	0.852239
## 1087	97.63785	57.78995	0.425924
## 1088	105.56243	48.00388	0.664762
## 1089	134.85567	61.59001	0.648463
## 1090	91.30701	51.67184	0.271665
## 1091	93.33808	51.75906	0.715670
## 1092	103.43193	59.01350	0.590349
## 1093	117.13031	53.72142	0.498288
## 1094	101.82406	59.17986	0.668144
## 1095	105.90914	63.41711	0.357694
## 1096	116.05428	55.66974	0.602578
## 1097	112.52332	58.57335	0.626456
## 1098	133.74545	46.65785	0.624197
## 1099	125.56596	46.78280	0.497730
## 1100	98.88113	57.67794	0.598424
## 1101	122.46880	56.37082	0.787525
## 1102	122.27060	45.15425	0.435752
## 1103	103.59309	54.19224	0.729278
## 1104	122.26214	55.46001	0.424908
## 1105	110.66086	51.35890	0.501644
## 1106	106.80785	33.27145	0.389176
## 1107	102.86848	37.49859	0.560164
## 1108	94.21822	43.88552	0.654609
## 1109	116.84959	40.34027	0.710274
## 1110	113.19595	53.49238	0.663920
## 1111	110.30598	46.35604	0.807034
## 1112	109.04297	39.47094	0.630721
## 1113	96.95467	39.79142	0.637644
## 1114	114.10748	42.33097	0.497268

## 1115	75.01096	48.92289	0.376261
## 1116	84.72598	35.17495	0.629154
## 1117	84.09158	43.21162	0.652954
## 1118	115.57517	54.38722	0.665154
## 1119	94.09358	48.92387	0.501573
## 1120	104.75626	49.62242	0.548175
## 1121	97.25051	40.29688	0.513738
## 1122	85.74304	41.12854	0.481441
## 1123	88.71550	43.90521	0.227432
## 1124	86.79961	34.75988	0.354601
## 1125	76.27281	38.54919	0.379974
## 1126	103.17073	34.24186	0.474972
## 1127	99.32285	43.95676	0.379085
## 1128	106.16421	41.90675	0.457219
## 1129	98.41414	51.35257	0.778768
## 1130	81.10636	43.75794	0.454684
## 1131	103.48413	43.02181	0.471202
## 1132	111.20779	40.30616	0.776777
## 1133	114.51777	36.70020	0.984936
## 1134	128.73569	33.58945	0.351457
## 1135	127.53966	33.44056	0.851443
## 1136	111.27996	32.03832	0.724334
## 1137	122.13973	30.55888	0.822403
## 1138	132.54796	45.44157	0.979886
## 1139	137.81865	44.10598	0.827499
## 1140	132.64790	71.21951	0.620216
## 1141	131.21779	44.08403	0.800427
## 1142	135.23518	46.40447	0.745268
## 1143	141.42488	52.87375	0.795529
## 1144	143.71867	49.23931	0.788001
## 1145	137.17314	44.58898	0.804351
## 1146	100.02412	52.57355	0.647062
## 1147	129.96916	43.81956	0.845724
## 1148	102.04931	55.46947	0.656845
## 1149	133.27438	47.50487	0.816556
## 1150	119.13474	38.27853	0.829779
## 1151	122.29073	47.66505	0.802970
## 1152	128.06233	32.29921	0.828682
## 1153	113.71154	55.59107	0.593384
## 1154	119.64978	34.97869	0.779537
## 1155	107.41990	58.58172	0.621681
## 1156	130.27339	46.40991	0.771939
## 1157	129.34955	35.04229	0.811382
## 1158	131.83408	49.49295	0.665491
## 1159	128.65131	45.15841	0.775394
## 1160	137.86144	63.10518	0.513816
## 1161	134.24878	53.14419	0.774324
## 1162	136.18753	62.51772	0.593907
## 1163	126.67291	65.46584	0.470971
## 1164	108.37269	58.39588	0.437224
## 1165	118.36551	47.08555	0.612123
## 1166	125.22056	63.59772	0.374410
## 1167	131.98946	66.87474	0.365126
## 1168	117.72665	53.22485	0.506043

## 1169	104.61657	48.31215	0.696138
## 1170	119.07732	32.41093	0.798965
## 1171	98.06825	42.10516	0.699250
## 1172	130.50922	50.03592	0.682171
## 1173	115.37463	50.66844	0.611294
## 1174	93.95818	41.63938	0.454767
## 1175	104.62743	47.18390	0.421308
## 1176	93.64727	49.57814	0.679456
## 1177	89.08930	48.48452	0.376780
## 1178	109.14719	53.32166	0.288295
## 1179	130.66746	58.26018	0.599534
## 1180	112.40252	61.78873	0.555430
## 1181	129.10667	66.45778	0.393698
## 1182	115.45776	55.57345	0.388488
## 1183	90.57807	49.75258	0.230254
## 1184	109.37030	65.52380	0.279908
## 1185	123.82156	64.38658	0.605865
## 1186	109.28926	58.83534	0.376037
## 1187	115.38458	52.52553	0.444219
## 1188	112.04136	55.95715	0.266803
## 1189	134.04733	59.82307	0.604540
## 1190	111.00625	56.54279	0.295530
## 1191	128.92728	65.65185	0.487825
## 1192	101.51656	59.32681	0.551603
## 1193	86.04461	46.78495	0.584085
## 1194	93.45023	48.21808	0.502108
## 1195	106.71149	43.04286	0.487321
## 1196	83.34685	40.70235	0.607912
## 1197	88.12867	43.51791	0.596640
## 1198	100.76508	42.10954	0.578746
## 1199	100.02220	31.49672	0.869845
## 1200	78.77254	38.60092	0.344910
## 1201	101.27271	59.71941	0.250863
## 1202	80.94079	38.04886	0.320682
## 1203	103.90408	47.61511	0.385858
## 1204	85.85982	48.42755	0.359406
## 1205	108.23591	44.28140	0.568762
## 1206	117.35970	41.08396	0.797302
## 1207	120.35490	40.08309	0.837107
## 1208	106.79820	34.39319	0.768406
## 1209	104.50633	39.96507	0.688057
## 1210	113.59627	35.52166	0.883515
## 1211	128.26480	33.30909	0.345230
## 1212	120.94455	29.60267	0.574936
## 1213	122.96780	30.94429	0.638964
## 1214	105.10792	37.95835	0.863059
## 1215	117.32800	43.25386	0.616512
## 1216	124.89083	62.12207	0.450083
## 1217	111.23795	57.22342	0.305709
## 1218	101.57907	52.54702	0.334179
## 1219	119.78029	39.11660	0.774869
## 1220	119.65284	47.00699	0.282003
## 1221	143.12724	41.38998	0.651548
## 1222	102.49043	41.97493	0.489421

## 1223	119.19759	46.74228	0.528564
## 1224	118.42699	57.56113	0.686627
## 1225	119.24699	46.02911	0.534947
## 1226	108.53484	32.62011	0.604056
## 1227	118.42554	59.53550	0.824182
## 1228	111.33044	58.03862	0.376535
## 1229	123.34003	44.87870	0.473936
## 1230	133.56291	47.66310	0.787704
## 1231	122.50846	49.30338	0.973249
## 1232	121.81245	45.77892	0.913386
## 1233	129.23358	30.70588	0.346406
## 1234	128.41644	36.23676	0.792509
## 1235	130.56024	35.58237	0.759332
## 1236	134.18666	34.63512	0.821726
## 1237	142.63284	31.40454	0.809417
## 1238	110.62626	55.19311	0.614371
## 1239	133.42610	41.57815	0.764981
## 1240	146.47209	40.06575	0.784083
## 1241	144.50670	46.05095	0.759512
## 1242	148.06688	36.01062	0.804388
## 1243	107.71923	49.21188	0.636708
## 1244	139.23531	40.40641	0.776158
## 1245	133.87706	31.51023	0.982421
## 1246	144.62793	39.94561	0.496262
## 1247	146.30589	40.31694	0.551177
## 1248	139.29692	44.49233	0.773316
## 1249	150.38528	36.71665	0.777617
## 1250	149.01500	39.18354	0.802554
## 1251	130.32439	31.27460	0.550286
## 1252	110.58987	33.35080	0.637090
## 1253	135.45012	52.39988	0.636410
## 1254	134.03485	45.14564	0.762033
## 1255	140.08684	42.34860	0.750713
## 1256	124.61402	56.84302	0.609373
## 1257	121.53674	57.88044	0.674963
## 1258	125.84634	40.31882	0.675681
## 1259	145.78885	41.44946	0.823177
## 1260	145.53332	37.00362	0.770771
## 1261	139.52647	40.37851	0.793387
## 1262	145.89983	33.77906	0.607567
## 1263	134.50015	42.30338	0.796844
## 1264	143.82958	35.00455	0.770577
## 1265	140.81015	39.87099	0.796393
## 1266	122.93446	29.16863	0.805142
## 1267	95.01532	43.15489	0.621496
## 1268	130.82759	48.32215	0.778874
## 1269	87.28440	38.63427	0.545180
## 1270	86.94614	46.15725	0.231757
## 1271	76.93539	30.68883	0.385610
## 1272	70.84216	31.79106	0.396660
## 1273	78.87672	41.81178	0.343188
## 1274	87.39915	46.72320	0.719032
## 1275	92.03741	48.99410	0.616597
## 1276	93.45640	51.57386	0.495029

## 1277	94.29547	45.45853	0.592792
## 1278	96.55679	46.06868	0.508697
## 1279	116.41777	64.69893	0.598425
## 1280	95.28584	48.97501	0.477388
## 1281	94.48206	43.11447	0.590287
## 1282	94.43947	40.22877	0.498795
## 1283	108.13052	46.49918	0.456586
## 1284	99.49468	42.22001	0.418466
## 1285	82.92903	44.68800	0.580736
## 1286	107.29426	59.51488	0.625340
## 1287	93.21949	52.72689	0.524195
## 1288	89.70385	55.43075	0.494207
## 1289	98.69671	47.40392	0.753804
## 1290	111.49969	48.15557	0.905317
## 1291	90.85287	44.12281	0.610830
## 1292	81.11272	37.83573	0.385033
## 1293	79.95259	43.08932	0.336432
## 1294	87.13799	39.09680	0.319496
## 1295	86.20342	47.39605	0.435222
## 1296	78.25159	39.44465	0.452479
## 1297	78.69996	39.35794	0.318067
## 1298	93.47468	53.04357	0.904433
## 1299	154.23303	49.23201	0.375249
## 1300	144.38451	61.72088	0.336546
## 1301	134.75049	64.57686	0.490266
## 1302	92.47531	69.19638	0.546418
## 1303	84.65442	43.12336	0.360838
## 1304	75.54451	49.89835	0.460436
## 1305	74.69600	33.49443	0.692949
## 1306	82.36277	44.33478	0.338036
## 1307	73.38436	29.91499	0.732343
## 1308	90.84892	46.17116	0.525163
## 1309	69.05286	26.69842	0.466142
## 1310	105.68630	71.51281	0.398922
## 1311	75.79642	40.99159	0.453314
## 1312	97.63573	49.11162	0.599301
## 1313	90.71587	47.55631	0.351329
## 1314	96.28327	42.64805	0.499103
## 1315	101.54839	50.62144	0.501934
## 1316	103.76996	45.28807	0.938154
## 1317	137.12088	62.02571	0.496416
## 1318	124.37769	69.20248	0.469585
## 1319	122.64399	70.05318	0.480895
## 1320	136.89325	56.73457	0.359286
## 1321	116.90929	42.10194	0.726795
## 1322	100.93058	57.84024	0.544990
## 1323	117.58590	53.97803	0.651845
## 1324	145.18883	52.65001	0.487121
## 1325	92.64105	56.76120	0.359520
## 1326	112.60188	64.00976	0.494086
## 1327	110.80712	63.20226	0.275111
## 1328	112.72020	53.44599	0.742745
## 1329	119.88432	59.06610	0.550520
## 1330	134.16951	60.17780	0.890728

## 1331	112.78934	62.39852	0.684079
## 1332	130.03726	56.97132	0.849982
## 1333	124.09142	60.24752	0.928008
## 1334	159.12938	71.83488	0.570223
## 1335	126.42460	35.63643	0.815384
## 1336	94.34141	42.53002	0.553071
## 1337	144.93983	49.75676	0.757716
## 1338	133.77953	43.46304	0.901112
## 1339	136.69832	44.14910	0.696544
## 1340	138.44319	43.42572	0.672176
## 1341	135.94290	44.95040	0.379029
## 1342	140.69360	48.53191	0.322508
## 1343	138.01178	47.39525	0.755867
## 1344	153.04843	42.55019	0.751638
## 1345	153.46669	42.21030	0.879965
## 1346	156.85831	38.88134	0.767097
## 1347	140.74927	42.74217	0.768677
## 1348	95.03434	38.96346	0.828567
## 1349	98.63127	39.31018	0.631635
## 1350	122.44221	46.02185	0.814830
## 1351	181.23155	36.55867	0.992976
## 1352	163.39070	71.74274	0.703414
## 1353	161.59563	71.05573	0.247767
## 1354	100.42217	64.51694	0.275849
## 1355	104.64624	57.64930	0.617001
## 1356	106.58832	46.12893	0.290880
## 1357	106.78586	39.09144	0.869940
## 1358	114.11627	66.05916	0.775862
## 1359	120.68085	38.28211	0.796867
## 1360	127.02020	27.30972	0.835600
## 1361	113.08649	32.69845	0.768226
## 1362	112.92720	48.55824	0.690859
## 1363	132.69045	43.05348	0.885829
## 1364	119.61646	35.75738	0.345545
## 1365	141.79105	39.36435	0.576117
## 1366	105.74076	42.55079	0.638077
## 1367	108.03417	51.30949	0.860803
## 1368	125.56706	41.80908	0.620578
## 1369	103.09528	41.14150	0.823956
## 1370	112.73408	48.78865	0.911290
## 1371	108.69803	47.07974	0.832619
## 1372	105.65418	47.18602	0.902831
## 1373	107.47893	55.55253	0.603348
## 1374	114.79942	68.97670	0.290451
## 1375	142.12834	79.44647	0.566475
## 1376	116.88428	54.66410	0.337764
## 1377	102.53275	46.03460	0.408574
## 1378	104.83557	42.32051	0.591650
## 1379	106.80344	41.04290	0.463399
## 1380	89.00877	46.45770	0.493784
## 1381	116.34673	43.99193	0.690748
## 1382	115.27318	37.04182	0.805816
## 1383	126.16062	27.16432	0.835967
## 1384	120.18282	32.42427	0.768167

## 1385	121.00286	47.82873	0.686992
## 1386	118.58437	46.66182	0.885186
## 1387	125.54293	36.45041	0.345704
## 1388	137.95927	42.26395	0.576314
## 1389	114.36452	42.40159	0.637282
## 1390	98.20303	50.94122	0.858366
## 1391	122.18697	40.36426	0.621969
## 1392	123.27232	42.47898	0.919871
## 1393	87.55650	40.96030	0.565959
## 1394	129.63329	44.36147	0.966229
## 1395	126.79310	30.56619	0.879132
## 1396	101.55027	51.48615	0.562348
## 1397	120.80553	44.05144	0.850554
## 1398	145.24158	45.26635	0.947373
## 1399	143.19724	48.63417	0.842960
## 1400	146.19252	48.29035	0.814523
## 1401	153.67094	44.97612	0.963816
## 1402	147.51292	45.21753	0.931194
## 1403	134.62030	46.15508	0.855009
## 1404	147.00162	47.14574	0.803403
## 1405	113.13320	63.81553	0.627078
## 1406	136.19435	53.12655	0.763705
## 1407	136.59148	44.93007	0.860724
## 1408	110.34595	63.10236	0.662525
## 1409	150.55702	44.00866	0.862569
## 1410	149.25220	49.77562	0.877933
## 1411	137.70900	51.26004	0.848565
## 1412	138.99112	57.82323	0.487783
## 1413	142.18056	53.40707	0.566301
## 1414	138.39102	53.22200	0.677762
## 1415	147.45947	56.56946	0.699507
## 1416	140.30811	55.14967	0.721438
## 1417	129.96536	51.62406	0.780097
## 1418	132.66264	53.21280	0.648662
## 1419	122.23236	46.82494	0.791056
## 1420	129.95096	35.35926	0.847794
## 1421	140.81235	43.02134	0.937833
## 1422	127.20843	63.86752	0.562853
## 1423	133.36639	63.55840	0.841158
## 1424	116.54871	68.81166	0.345948
## 1425	105.70095	56.80041	0.256807
## 1426	91.08894	56.90868	0.323646
## 1427	104.21469	45.84722	0.385271
## 1428	126.49882	62.69372	0.354236
## 1429	133.13722	42.78055	0.566874
## 1430	105.65399	33.98541	0.308191
## 1431	106.37495	35.36460	0.911923
## 1432	86.07272	45.57391	0.844907
## 1433	84.18865	37.32065	0.856755
## 1434	99.79101	40.81023	0.881088
## 1435	104.22861	53.90216	0.903503
## 1436	107.12508	53.11226	0.406083
## 1437	87.89646	60.22825	0.792207
## 1438	110.09689	54.95176	0.895454

## 1439	73.83911	47.33382	0.754277
## 1440	123.98156	48.69307	0.550057
## 1441	137.84792	40.72724	0.324385
## 1442	139.09222	60.64719	0.406589
## 1443	130.50032	46.32823	0.396542
## 1444	142.96596	51.25394	0.353514
## 1445	143.55530	51.82648	0.372026
## 1446	128.28169	51.64046	0.778633
## 1447	117.92950	47.83859	0.319903
## 1448	108.80132	38.97179	0.381466
## 1449	107.47645	53.22852	0.713529
## 1450	117.48989	48.34616	0.300472
## 1451	115.34678	41.58715	0.399944
## 1452	101.34459	53.62480	0.444761
## 1453	97.28542	54.07984	0.534867
## 1454	113.53603	45.71571	0.288773
## 1455	115.34553	67.43253	0.569065
## 1456	105.08351	59.54841	0.346525
## 1457	116.51249	64.71574	0.409963
## 1458	137.26656	66.53183	0.591277
## 1459	113.96159	35.07231	0.458383
## 1460	95.36504	50.86622	0.490793
## 1461	106.38362	41.48056	0.698075
## 1462	97.48412	41.51259	0.409383
## 1463	105.91256	51.80219	0.673323
## 1464	112.54491	45.13427	0.645275
## 1465	97.26131	61.46375	0.260298
## 1466	111.29864	56.91596	0.714938
## 1467	116.87982	62.36634	0.584442
## 1468	134.26350	41.09800	0.502772
## 1469	125.64233	50.63332	0.672978
## 1470	109.19182	62.10194	0.354582
## 1471	98.51362	49.40115	0.605451
## 1472	104.64956	61.64128	0.625773
## 1473	119.98678	51.22795	0.621145
## 1474	122.63519	40.24263	0.498641
## 1475	119.45543	57.44677	0.844889
## 1476	101.12192	51.89436	0.342760
## 1477	128.37285	60.22599	0.458182
## 1478	114.70741	66.04095	0.604425
## 1479	117.64352	52.55684	0.808646
## 1480	105.61715	39.35048	0.717879
## 1481	114.35761	46.08413	0.295850
## 1482	102.74258	36.95645	0.254513
## 1483	97.31245	33.97501	0.448527
## 1484	100.57576	44.23535	0.494249
## 1485	106.41045	41.29247	0.821867
## 1486	106.12869	45.47844	0.909476
## 1487	113.90582	47.97321	0.831321
## 1488	103.97894	47.92450	0.901062
## 1489	100.43690	50.93925	0.910012
## 1490	85.50625	52.89978	0.561328
## 1491	112.96352	46.06080	0.685682
## 1492	144.27841	62.80284	0.709080

## 1493	91.15609	40.96356	0.594741
## 1494	145.53397	47.38443	0.907501
## 1495	140.95489	43.54722	0.710741
## 1496	136.32030	44.53787	0.710413
## 1497	138.52199	49.81914	0.701755
## 1498	144.50420	49.40925	0.913328
## 1499	138.70329	48.15791	0.733591
## 1500	143.77017	44.26988	0.768407
## 1501	135.25557	50.34951	0.721686
## 1502	130.40645	53.06943	0.643762
## 1503	141.10585	48.25237	0.603361
## 1504	142.46809	46.98740	0.826021
## 1505	123.97477	48.07084	0.713408
## 1506	136.96976	48.97572	0.841297
## 1507	122.27623	35.60107	0.767141
## 1508	115.51111	32.24303	0.802067
## 1509	131.99062	36.14545	0.769154
## 1510	121.68385	32.87786	0.806675
## 1511	124.91191	36.35573	0.761921
## 1512	129.69597	39.89332	0.817524
## 1513	127.63855	42.79660	0.636820
## 1514	124.01262	39.06294	0.798762
## 1515	132.64533	40.69400	0.778822
## 1516	116.68756	37.95129	0.789563
## 1517	121.26374	33.82930	0.758411
## 1518	122.90121	39.59906	0.830793
## 1519	137.09320	38.55108	0.756983
## 1520	133.66988	33.78319	0.806817
## 1521	119.57842	35.62904	0.798793
## 1522	123.40356	34.53712	0.836857
## 1523	119.40934	46.93701	0.703150
## 1524	142.32558	58.30792	0.626588
## 1525	140.58429	52.69010	0.806556
## 1526	123.41256	35.38234	0.751487
## 1527	123.67287	35.24108	0.826932
## 1528	124.03178	34.79885	0.761955
## 1529	127.75331	36.99081	0.824674
## 1530	108.36885	47.88409	0.734501
## 1531	125.07499	37.22651	0.699536
## 1532	128.01260	50.52233	0.833268
## 1533	131.17633	44.33821	0.848753
## 1534	134.18904	43.18777	0.857823
## 1535	130.94098	40.24046	0.841879
## 1536	135.03189	44.32452	0.858815
## 1537	127.23019	41.68041	0.808331
## 1538	129.48312	39.20902	0.853976
## 1539	130.73080	42.18797	0.851518
## 1540	123.00827	53.73426	0.636921
## 1541	127.05482	42.03097	0.735761
## 1542	133.88704	41.50789	0.846934
## 1543	88.86119	50.61111	0.761682
## 1544	81.93063	50.09752	0.383089
## 1545	111.32890	62.38740	0.411225
## 1546	119.98573	60.34861	0.515271

## 1547	129.55893	57.89610	0.736577
## 1548	134.99293	48.42820	0.575078
## 1549	100.11390	57.22691	0.561624
## 1550	126.56756	41.02700	0.891997
## 1551	120.01781	66.11262	0.558782
## 1552	131.72478	45.52884	0.789809
## 1553	119.50647	48.82658	0.818986
## 1554	95.13584	49.30738	0.626672
## 1555	109.00830	41.11491	0.777936
## 1556	105.65128	56.06792	0.786249
## 1557	112.01706	50.62382	0.790823
## 1558	132.33775	43.83996	0.844077
## 1559	140.27277	42.41609	0.868749
## 1560	141.57523	39.15758	0.940505
## 1561	131.85098	37.81646	0.370273
## 1562	91.19074	45.93420	0.535115
## 1563	126.25083	37.01477	0.984517
## 1564	123.42899	34.17843	0.865557
## 1565	111.42024	56.53314	0.518692
## 1566	114.34332	30.20492	0.880831
## 1567	130.63197	34.55984	0.819406
## 1568	129.05499	35.10798	0.807744
## 1569	128.46663	49.76326	0.742085
## 1570	124.14481	36.39045	0.749445
## 1571	148.70630	44.07011	0.274609
## 1572	133.51321	50.19467	0.328130
## 1573	135.78363	47.85776	0.382169
## 1574	138.76979	35.09905	0.818025
## 1575	123.01251	54.94510	0.434054
## 1576	143.88731	36.73243	0.651270
## 1577	143.30978	45.34046	0.973766
## 1578	148.15872	38.60349	0.756994
## 1579	139.30434	42.07218	0.817287
## 1580	111.98816	57.56871	0.648711
## 1581	137.91325	43.73138	0.801201
## 1582	121.05074	61.95186	0.613110
## 1583	132.39528	46.21449	0.773067
## 1584	137.32018	41.20432	0.800934
## 1585	143.57242	41.26259	0.813671
## 1586	133.03575	45.65271	0.719109
## 1587	126.82330	39.28664	0.615147
## 1588	116.52573	33.23362	0.831530
## 1589	109.09994	33.58090	0.787406
## 1590	94.64306	46.22915	0.661155
## 1591	112.68205	32.34138	0.824971
## 1592	118.56152	33.97746	0.916913
## 1593	116.10821	37.18903	0.738225
## 1594	118.11268	35.04481	0.919314
## 1595	109.20450	54.25433	0.748593
## 1596	123.23796	37.10057	0.779156
## 1597	113.24161	42.46409	0.887884
## 1598	94.81346	36.35088	0.870160
## 1599	90.95966	51.25655	0.825103
## 1600	113.96192	42.45817	0.839887

## 1601	118.55511	32.83164	0.642830
## 1602	122.17779	38.87328	0.636068
## 1603	137.95799	54.79954	0.666625
## 1604	124.83780	43.23386	0.735958
## 1605	113.67636	36.70103	0.630008
## 1606	113.93047	41.63456	0.708725
## 1607	149.67660	47.85445	0.658428
## 1608	133.54553	45.06160	0.735593
## 1609	133.26579	42.90416	0.724744
## 1610	111.98273	35.91385	0.654683
## 1611	109.06299	35.02381	0.753220
## 1612	132.78632	52.00021	0.617778
## 1613	124.19041	47.85421	0.667965
## 1614	124.23149	32.41730	0.623971
## 1615	116.35774	33.97478	0.701990
## 1616	127.23454	39.90978	0.744275
## 1617	122.43304	34.11653	0.800816
## 1618	121.41901	35.98674	0.854887
## 1619	111.84910	41.56607	0.503290
## 1620	110.10082	38.48077	0.721927
## 1621	105.07919	37.93613	0.578616
## 1622	124.50121	36.86169	0.799069
## 1623	124.26121	43.67524	0.563691
## 1624	126.37643	34.26610	0.772924
## 1625	124.58185	37.10280	0.741152
## 1626	117.28732	34.95260	0.814584
## 1627	117.88165	31.07606	0.766734
## 1628	116.24226	34.97919	0.784529
## 1629	116.99278	31.54763	0.789955
## 1630	110.58082	35.96648	0.641084
## 1631	117.91806	34.13199	0.724736
## 1632	110.68174	36.27020	0.656662
## 1633	121.24737	36.11546	0.611422
## 1634	111.36774	34.46956	0.689790
## 1635	114.01921	36.47576	0.660976
## 1636	117.24086	35.88895	0.693011
## 1637	106.43964	40.63003	0.525261
## 1638	123.69085	46.21397	0.692655
## 1639	111.90424	43.24456	0.893616
## 1640	112.97244	36.09377	0.895575
## 1641	118.97839	35.72280	0.857950
## 1642	118.88522	32.31506	0.795012
## 1643	114.41528	36.94381	0.610261
## 1644	125.03954	37.85545	0.710195
## 1645	112.01192	29.82299	0.705752
## 1646	127.27700	35.07871	0.721570
## 1647	116.01358	36.39785	0.666641
## 1648	118.90057	33.50744	0.654491
## 1649	126.53489	41.32341	0.496795
## 1650	116.68134	33.36449	0.726131
## 1651	112.31928	38.19196	0.660588
## 1652	126.22762	42.03851	0.663452
## 1653	117.93868	37.16947	0.783280
## 1654	93.56535	47.83422	0.626485

## 1655	117.44775	37.45924	0.785616
## 1656	103.82317	59.49895	0.569725
## 1657	116.13145	38.45133	0.781367
## 1658	106.32247	40.63928	0.795008
## 1659	106.99056	33.33640	0.808236
## 1660	113.14723	33.72654	0.794791
## 1661	120.74455	36.08655	0.650161
## 1662	116.17223	41.47515	0.805035
## 1663	116.16597	33.36200	0.711740
## 1664	109.17906	41.67939	0.674094
## 1665	126.57136	42.80391	0.755538
## 1666	133.08510	45.69271	0.746412
## 1667	127.24318	38.03142	0.723855
## 1668	133.86600	64.96998	0.568487
## 1669	125.89036	35.02315	0.842579
## 1670	123.35005	38.16262	0.765908
## 1671	124.87315	43.01702	0.398477
## 1672	133.36862	43.33274	0.660726
## 1673	111.02372	39.96382	0.360664
## 1674	124.60765	38.36398	0.789189
## 1675	111.95184	43.44815	0.453078
## 1676	102.38563	27.88312	0.784852
## 1677	91.73376	36.91348	0.515255
## 1678	104.05960	36.38441	0.684630
## 1679	107.91758	26.56247	0.830930
## 1680	120.52183	40.52016	0.861189
## 1681	133.32576	32.62422	0.760900
## 1682	118.65065	31.24862	0.856543
## 1683	112.02479	34.71990	0.737406
## 1684	129.51964	37.40414	0.821424
## 1685	147.12859	48.55983	0.786992
## 1686	152.34180	41.83455	0.895614
## 1687	152.40469	41.02478	0.834308
## 1688	149.12499	44.83520	0.785737
## 1689	135.06360	49.37667	0.763869
## 1690	149.31277	48.29465	0.781741
## 1691	135.00777	49.22026	0.819734
## 1692	113.21574	28.09813	0.809237
## 1693	131.16798	36.38295	0.819853
## 1694	124.72860	47.18257	0.704672
## 1695	150.24945	43.94896	0.827359
## 1696	119.10414	32.09133	0.868705
## 1697	91.16705	44.26922	0.745668
## 1698	121.27649	44.29435	0.773531
## 1699	108.13458	51.28475	0.823844
## 1700	121.61142	70.50113	0.626356
## 1701	145.78126	49.41051	0.768228
## 1702	136.41791	55.83215	0.784082
## 1703	151.05328	52.25003	0.791366
## 1704	153.05476	53.19230	0.841535
## 1705	142.09651	50.57559	0.863496
## 1706	144.93053	44.56295	0.785457
## 1707	149.01741	49.64930	0.856882
## 1708	145.55792	43.37632	0.972753

## 1709	149.96194	45.56530	0.877610
## 1710	151.49457	44.61543	0.895477
## 1711	138.42221	55.71368	0.781190
## 1712	155.69736	47.88938	0.901482
## 1713	138.36699	52.58023	0.767814
## 1714	144.18678	48.19198	0.807498
## 1715	148.05426	48.90164	0.827560
## 1716	149.15887	43.50859	0.864113
## 1717	131.72192	56.61411	0.790398
## 1718	144.54399	44.30584	0.953701
## 1719	141.99265	48.28725	0.735375
## 1720	117.63127	41.30085	0.753140
## 1721	102.90415	35.20964	0.704608
## 1722	108.66100	33.26673	0.980336
## 1723	113.78971	39.85972	0.745479
## 1724	114.14629	39.18636	0.862821
## 1725	84.49742	45.87899	0.349832
## 1726	111.14125	64.64712	0.541607
## 1727	89.74686	57.84011	0.536642
## 1728	80.29121	48.29503	0.551683
## 1729	78.91883	47.45075	0.810073
## 1730	109.61655	49.75121	0.923050
## 1731	66.35435	27.78333	0.517216
## 1732	96.84422	51.76505	0.660253
## 1733	109.85510	47.85182	0.531854
## 1734	94.60850	50.96926	0.573924
## 1735	127.86633	55.76805	0.598588
## 1736	119.16439	49.79339	0.698655
## 1737	111.57905	59.36821	0.557361
## 1738	126.83039	68.16461	0.530529
## 1739	114.34174	48.36671	0.486939
## 1740	100.63694	59.38789	0.320241
## 1741	102.88313	56.22174	0.286904
## 1742	109.40577	48.87466	0.493666
## 1743	134.99443	55.70752	0.807681
## 1744	114.89257	52.86369	0.375373
## 1745	102.76923	62.79362	0.357629
## 1746	89.12541	55.83980	0.308516
## 1747	114.07878	50.73269	0.606022
## 1748	106.84958	52.26524	0.616707
## 1749	104.33250	50.84362	0.875366
## 1750	133.31604	75.14254	0.421465
## 1751	133.98747	71.90574	0.777599
## 1752	98.30293	55.73118	0.224746
## 1753	123.75017	49.17044	0.812467
## 1754	98.38878	50.69565	0.587789
## 1755	105.52297	52.78825	0.546719
## 1756	108.99731	47.00854	0.859444
## 1757	108.74400	59.47800	0.737490
## 1758	105.88240	59.70262	0.785809
## 1759	147.73791	67.30034	0.743299
## 1760	135.08241	60.69083	0.278713
## 1761	127.99205	51.12521	0.687792
## 1762	117.58353	60.12719	0.463759

## 1763	82.69504	45.34368	0.276271
## 1764	83.13119	35.47393	0.471335
## 1765	91.06371	52.61662	0.264706
## 1766	95.60051	57.27050	0.519419
## 1767	126.39806	69.14283	0.425691
## 1768	82.23366	42.30896	0.430726
## 1769	103.94690	61.25857	0.317393
## 1770	80.35808	41.35604	0.267753
## 1771	95.13658	45.08020	0.377094
## 1772	77.21506	37.72715	0.437270
## 1773	79.80389	41.14846	0.313074
## 1774	76.45867	36.52415	0.551661
## 1775	81.47943	39.72327	0.403635
## 1776	88.89161	42.57461	0.444983
## 1777	94.27165	41.25212	0.506239
## 1778	93.88644	37.21962	0.939348
## 1779	127.55878	36.40006	0.807599
## 1780	126.73142	26.13400	0.835928
## 1781	117.29728	33.65472	0.769559
## 1782	118.16210	51.22339	0.684105
## 1783	122.90696	44.34360	0.882497
## 1784	124.79834	40.26111	0.345193
## 1785	138.36693	40.40147	0.576340
## 1786	107.19354	42.29335	0.636557
## 1787	105.73708	51.22648	0.861626
## 1788	118.73999	39.90668	0.620198
## 1789	119.85435	57.61626	0.764665
## 1790	104.84389	35.95468	0.504154
## 1791	87.65552	42.89429	0.529501
## 1792	147.40022	72.52344	0.580081
## 1793	137.41432	47.68872	0.789267
## 1794	143.92920	43.35619	0.841008
## 1795	148.86523	41.74456	0.670413
## 1796	149.15451	41.94168	0.790718
## 1797	138.46400	46.51595	0.475158
## 1798	135.31551	56.98594	0.797063
## 1799	133.18050	56.50030	0.786721
## 1800	126.26903	62.52007	0.531020
## 1801	131.91362	55.98024	0.793828
## 1802	137.37550	56.00253	0.542566
## 1803	138.80139	50.30941	0.446731
## 1804	143.93320	68.46396	0.364381
## 1805	146.46271	41.64139	0.817292
## 1806	144.92835	50.84003	0.855774
## 1807	146.39302	47.72572	0.811309
## 1808	143.18460	42.59492	0.883174
## 1809	145.16429	46.42326	0.847715
## 1810	115.85578	44.35064	0.760867
## 1811	104.08035	33.98983	0.850612
## 1812	113.32806	34.71464	0.818238
## 1813	144.42429	47.81549	0.840490
## 1814	148.96324	54.47558	0.822344
## 1815	145.33200	48.13658	0.846133
## 1816	120.19810	47.69886	0.688383

## 1817	145.12988	48.40921	0.839010
## 1818	119.33639	40.28668	0.819575
## 1819	125.29299	37.91505	0.563863
## 1820	132.38069	54.84555	0.785544
## 1821	146.42889	45.11503	0.855852
## 1822	138.49229	51.51743	0.834770
## 1823	142.50871	50.98643	0.807137
## 1824	125.68378	69.23957	0.347163
## 1825	130.12869	61.66558	0.535063
## 1826	105.97336	59.96715	0.528031
## 1827	108.08155	50.99889	0.830994
## 1828	98.22309	50.80529	0.492610
## 1829	90.12157	54.89262	0.471105
## 1830	87.13053	52.81189	0.492773
## 1831	120.30441	69.31684	0.357640
## 1832	151.09245	53.32395	0.731606
## 1833	114.82569	62.93151	0.549579
## 1834	110.06774	42.61128	0.651512
## 1835	121.82407	56.76518	0.487413
## 1836	110.86210	51.67995	0.359033
## 1837	123.93243	57.93046	0.494558
## 1838	145.70415	58.66683	0.279717
## 1839	117.16999	57.79794	0.742576
## 1840	113.99429	54.66680	0.553381
## 1841	117.30240	61.62487	0.889380
## 1842	106.35400	66.40677	0.314800
## 1843	135.55727	64.94443	0.278413
## 1844	122.85748	67.06474	0.618169
## 1845	108.29184	63.33617	0.291676
## 1846	122.52187	49.09969	0.754010
## 1847	94.96408	40.72415	0.408114
## 1848	115.17696	56.76143	0.671127
## 1849	118.03841	43.18570	0.644834
## 1850	84.52964	41.32911	0.260815
## 1851	132.33096	65.14958	0.718764
## 1852	121.84249	58.37740	0.589617
## 1853	131.73045	40.97617	0.499317
## 1854	119.84353	56.07020	0.671880
## 1855	86.35582	49.26953	0.358801
## 1856	103.22529	56.32961	0.605605
## 1857	97.84665	56.24733	0.626664
## 1858	120.47751	48.69678	0.620649
## 1859	120.08320	42.83350	0.497610
## 1860	116.81432	47.27341	0.437176
## 1861	101.12160	41.02468	0.726866
## 1862	105.63379	42.11369	0.434760
## 1863	112.10732	40.82432	0.503063
## 1864	115.13857	37.14588	0.392617
## 1865	114.57750	38.04837	0.540155
## 1866	142.08440	39.34565	0.323579
## 1867	137.44710	58.67522	0.408382
## 1868	133.94748	48.03578	0.397424
## 1869	138.43268	47.74956	0.371743
## 1870	144.84322	50.94835	0.372710

## 1871	130.54904	51.69133	0.779878
## 1872	126.81239	51.41352	0.315058
## 1873	104.32027	36.14230	0.379618
## 1874	105.28317	50.20716	0.706016
## 1875	117.80936	49.97584	0.299613
## 1876	114.62444	41.49213	0.397601
## 1877	87.17091	40.79092	0.460210
## 1878	102.10060	56.96672	0.739663
## 1879	123.05984	47.69870	0.572915
## 1880	136.78789	47.99678	0.796964
## 1881	148.26628	43.35486	0.722497
## 1882	133.41293	50.11616	0.608234
## 1883	116.12871	47.28778	0.404824
## 1884	118.89568	50.80367	0.451310
## 1885	135.70279	55.13492	0.763173
## 1886	116.79880	47.95852	0.937549
## 1887	125.27200	53.31283	0.795008
## 1888	114.94645	49.11558	0.445570
## 1889	119.84582	51.88427	0.637529
## 1890	120.35147	57.87264	0.706984
## 1891	113.26241	54.58172	0.576233
## 1892	115.83218	68.23625	0.404519
## 1893	117.74165	47.53811	0.772840
## 1894	128.18123	48.59544	0.359455
## 1895	126.55525	52.30940	0.784416
## 1896	119.44002	53.95144	0.798743
## 1897	148.58670	45.80542	0.785851
## 1898	147.03033	51.66038	0.776820
## 1899	113.89410	38.75428	0.824436
## 1900	109.93160	41.40153	0.864952
## 1901	110.86456	35.47867	0.835377
## 1902	113.05214	40.92619	0.886566
## 1903	112.13465	34.68638	0.826510
## 1904	115.99299	45.02186	0.831153
## 1905	147.49596	49.87116	0.710813
## 1906	135.33681	50.34771	0.906973
## 1907	132.99092	49.91304	0.937223
## 1908	137.29985	55.64326	0.232234
## 1909	98.82371	50.44586	0.322511
## 1910	88.57055	50.11974	0.437623
## 1911	89.95059	50.09915	0.600536
## 1912	91.76315	50.89803	0.522211
## 1913	97.61452	57.53834	0.667792
## 1914	78.46659	41.98857	0.345775
## 1915	107.10259	55.19277	0.525392
## 1916	104.37363	54.27267	0.604573
## 1917	107.21108	53.47821	0.459988
## 1918	113.02223	57.01975	0.486077
## 1919	121.07379	54.34020	0.467687
## 1920	101.86379	50.62486	0.059414
## 1921	95.66600	52.66159	0.282661
## 1922	114.68048	58.23294	0.229879
## 1923	123.51331	51.83923	0.263842
## 1924	129.20616	54.73007	0.377177

## 1925	109.03994	56.82787	0.353740
## 1926	135.02582	67.56045	0.486976
## 1927	126.13732	49.48197	0.448627
## 1928	104.55722	42.93662	0.789157
## 1929	120.41454	58.30912	0.451864
## 1930	122.54687	53.79546	0.284612
## 1931	112.95335	58.98345	0.580101
## 1932	112.28630	64.03873	0.340031
## 1933	93.91704	49.44249	0.405122
## 1934	115.33903	57.52645	0.589428
## 1935	121.82022	42.34427	0.460771
## 1936	102.49439	48.33920	0.490353
## 1937	108.78643	36.24094	0.689635
## 1938	98.72052	53.50442	0.446298
## 1939	90.17457	46.82144	0.307018
## 1940	88.41087	47.12757	0.333946
## 1941	115.64535	42.21109	0.777109
## 1942	103.03201	52.18824	0.279998
## 1943	111.50793	44.16544	0.652389
## 1944	115.78430	52.36225	0.487280
## 1945	124.05881	45.65484	0.523963
## 1946	114.70458	54.98027	0.690231
## 1947	121.18755	55.93642	0.536221
## 1948	124.91214	48.06825	0.605457
## 1949	114.35229	60.63544	0.706404
## 1950	121.69409	48.08966	0.745747
## 1951	103.64967	47.01451	0.900145
## 1952	113.05600	47.78660	0.908239
## 1953	106.33740	48.23964	0.858778
## 1954	96.05933	66.11716	0.742026
## 1955	95.74299	50.66082	0.417363
## 1956	89.00423	54.73432	0.337105
## 1957	98.36722	53.10598	0.323944
## 1958	86.84327	50.93089	0.434581
## 1959	111.19688	49.75654	0.437580
## 1960	109.28253	68.19899	0.865150
## 1961	112.73919	52.06146	0.537154
## 1962	109.68333	42.81856	0.536008
## 1963	126.59132	45.86825	0.341937
## 1964	95.99900	31.25233	0.543491
## 1965	94.26775	27.44245	0.322330
## 1966	101.90087	36.63604	0.859909
## 1967	114.24814	41.20112	0.350921
## 1968	75.83057	39.77478	0.727521
## 1969	92.53855	37.98795	0.781945
## 1970	89.57545	34.07238	0.891537
## 1971	76.68482	40.35117	0.825125
## 1972	95.89063	42.61250	0.464804
## 1973	119.60772	46.24698	0.629623
## 1974	144.33472	45.81752	0.975626
## 1975	133.86621	47.16285	0.863371
## 1976	104.04276	52.88382	0.530176
## 1977	117.37408	54.75120	0.839721
## 1978	138.71408	40.81382	0.854242

## 1979	141.07547	44.27924	0.788367
## 1980	131.97073	45.02936	0.823841
## 1981	116.22056	31.69587	0.870000
## 1982	105.92915	49.30976	0.515957
## 1983	118.88604	33.58780	0.693022
## 1984	143.17584	47.19928	0.788619
## 1985	143.10701	49.61735	0.975195
## 1986	138.04802	51.16965	0.846849
## 1987	134.18195	51.93339	0.763747
## 1988	138.86114	50.94730	0.806421
## 1989	133.34726	44.92715	0.517602
## 1990	143.25749	48.06025	0.558516
## 1991	116.71442	56.91446	0.834805
## 1992	143.72920	55.59705	0.704255
## 1993	141.70944	48.33595	0.808881
## 1994	134.17134	46.56162	0.978179
## 1995	141.41000	54.24833	0.839675
## 1996	131.87799	61.33178	0.835582
## 1997	120.43590	51.67845	0.710948
## 1998	130.48166	47.31399	0.518198
## 1999	140.63585	74.52886	0.521109
## 2000	133.05916	43.73489	0.798908
## 2001	159.55154	38.09037	0.437204
## 2002	153.65558	48.04612	0.513118
## 2003	156.59451	37.37670	0.473301
## 2004	143.07603	44.02462	0.546721
## 2005	155.45944	48.84321	0.492157
## 2006	131.32510	51.19016	0.474577
## 2007	153.42685	47.97332	0.478934
## 2008	145.02974	46.26388	0.563297
## 2009	129.89119	47.88241	0.602840
## 2010	139.79990	42.26243	0.796367
## 2011	141.22963	59.11465	0.640597
## 2012	146.09004	48.00376	0.755272
## 2013	148.55594	47.79887	0.479132
## 2014	130.70793	62.43376	0.496758
## 2015	128.43124	48.88583	0.905670
## 2016	112.31878	65.60918	0.647541
## 2017	127.59504	48.99091	0.354312
## 2018	122.44290	54.18034	0.812408
## 2019	138.64313	62.48502	0.839275
## 2020	125.09895	58.23659	0.607867
## 2021	87.39454	41.06116	0.850071
## 2022	94.95451	45.54888	0.611497
## 2023	111.13296	52.42180	0.903064
## 2024	121.83298	56.33767	0.572012
## 2025	111.20589	51.76446	0.742074
## 2026	112.37255	51.65728	0.804412
## 2027	98.74200	56.24010	0.574114
## 2028	136.67149	39.16133	0.550398
## 2029	129.92409	39.66139	0.733591
## 2030	124.01701	54.81789	0.479647
## 2031	130.84325	42.80919	0.555000
## 2032	127.23662	46.31244	0.848616

## 2033	121.49336	53.77110	0.655614
## 2034	110.45550	47.59746	0.716458
## 2035	115.91144	60.54283	0.580514
## 2036	130.42017	60.49150	0.425439
## 2037	130.44890	53.42311	0.643793
## 2038	111.53029	55.98395	0.557820
## 2039	121.98047	67.42690	0.618325
## 2040	127.27202	53.84577	0.620449
## 2041	117.34132	54.90754	0.705165
## 2042	131.78265	42.25673	0.860413
## 2043	125.20034	46.76699	0.765348
## 2044	118.28640	51.48095	0.542343
## 2045	114.70045	54.38387	0.463354
## 2046	114.58659	54.16951	0.364425
## 2047	132.16753	53.57701	0.572556
## 2048	130.53944	55.94264	0.503835
## 2049	124.04806	60.28767	0.413306
## 2050	122.43803	64.18834	0.444935
## 2051	131.64000	46.39711	0.592047
## 2052	111.10928	54.00819	0.702321
## 2053	112.36646	52.31405	0.495102
## 2054	135.26114	61.40000	0.503383
## 2055	126.06187	57.68943	0.710130
## 2056	121.93671	46.09214	0.675238
## 2057	129.83931	53.40888	0.796966
## 2058	109.09128	53.05594	0.862442
## 2059	99.03637	50.94590	0.310626
## 2060	107.62823	48.73352	0.277607
## 2061	108.15914	49.92199	0.613282
## 2062	124.72622	58.08997	0.296831
## 2063	114.42988	38.39056	0.758834
## 2064	124.70564	50.38178	0.549061
## 2065	107.17968	55.97170	0.653606
## 2066	122.08100	47.67222	0.710036
## 2067	99.55812	39.71219	0.660975
## 2068	117.52221	50.96814	0.807403
## 2069	112.32202	42.95260	0.627464
## 2070	77.02721	32.29937	0.636426
## 2071	98.58913	47.04939	0.493967
## 2072	104.45995	59.60035	0.374387
## 2073	93.91473	48.29858	0.628164
## 2074	107.34154	52.49353	0.652773
## 2075	96.93071	39.31560	0.667889
## 2076	89.73109	34.93871	0.502903
## 2077	93.03590	35.61500	0.556936
## 2078	72.22355	32.49017	0.532996
## 2079	87.83148	43.36780	0.488763
## 2080	93.86007	39.78692	0.228263
## 2081	104.20967	39.88136	0.355352
## 2082	91.59370	43.69771	0.380892
## 2083	102.00980	42.92760	0.475866
## 2084	88.54909	41.91576	0.380472
## 2085	105.76522	43.36111	0.458900
## 2086	97.66219	56.94497	0.801736

## 2087	106.66428	43.77135	0.331151
## 2088	96.17033	31.53017	0.606603
## 2089	119.30996	50.70618	0.699694
## 2090	119.91891	43.66127	0.817122
## 2091	141.66170	40.86123	0.708114
## 2092	135.49834	42.29222	0.275572
## 2093	123.68105	64.43387	0.512785
## 2094	133.29894	37.59534	0.756442
## 2095	134.49911	49.02600	0.809039
## 2096	126.85927	44.05964	0.864727
## 2097	135.09729	41.30450	0.871207
## 2098	132.95264	43.96642	0.732095
## 2099	128.38261	46.02426	0.873376
## 2100	115.51756	43.73722	0.654996
## 2101	131.61714	46.43057	0.641595
## 2102	118.56163	50.17638	0.666141
## 2103	123.86996	42.42725	0.976133
## 2104	126.60510	42.56192	0.820483
## 2105	134.03719	49.80521	0.686771
## 2106	120.19817	41.37976	0.729522
## 2107	125.83107	42.18615	0.771379
## 2108	121.13808	41.00048	0.707882
## 2109	125.33027	68.72648	0.514338
## 2110	139.14990	44.22223	0.763122
## 2111	143.30017	37.93072	0.828211
## 2112	146.71228	34.25166	0.973517
## 2113	148.69600	35.25257	0.843652
## 2114	143.40375	36.20512	0.784368
## 2115	143.85776	41.05014	0.839374
## 2116	132.07349	46.19287	0.498717
## 2117	134.54877	53.91056	0.452673
## 2118	114.27000	56.76591	0.450027
## 2119	136.28818	42.33391	0.464434
## 2120	129.77712	58.39294	0.471161
## 2121	128.19566	47.73636	0.502891
## 2122	138.07677	42.49305	0.525122
## 2123	138.53744	37.99417	0.833828
## 2124	131.28592	49.42467	0.669893
## 2125	131.49445	39.89294	0.705534
## 2126	136.01800	37.36505	0.598470
## 2127	127.69791	46.42717	0.419117
## 2128	111.60569	42.64204	0.739570
## 2129	114.64400	48.04089	0.805858
## 2130	129.06076	53.20444	0.672866
## 2131	133.29860	59.03530	0.868220
## 2132	108.97920	46.80507	0.799865
## 2133	117.77875	45.19473	0.834931
## 2134	119.09423	34.16313	0.768091
## 2135	117.46419	36.88423	0.689243
## 2136	127.56059	36.69012	0.884055
## 2137	122.39836	27.01904	0.345489
## 2138	118.43738	37.74707	0.574808
## 2139	115.62612	45.34883	0.633970
## 2140	126.97224	46.60661	0.862258

## 2141	125.16879	35.72199	0.619183
## 2142	110.87587	53.58787	0.635789
## 2143	124.61735	42.67535	0.863355
## 2144	96.31310	55.43624	0.733030
## 2145	105.05094	57.18406	0.666166
## 2146	106.14823	48.81229	0.595190
## 2147	118.48640	61.56842	0.437629
## 2148	100.11832	51.11502	0.426007
## 2149	104.59303	56.12774	0.689866
## 2150	113.23113	51.27599	0.440789
## 2151	94.44492	43.64713	0.258218
## 2152	87.18372	42.97176	0.378439
## 2153	93.14150	44.10168	0.277015
## 2154	112.81454	54.10984	0.688451
## 2155	115.69174	57.59309	0.681497
## 2156	84.26648	47.70123	0.583694
## 2157	108.85479	62.27462	0.607426
## 2158	124.85766	53.16613	0.872285
## 2159	103.58778	40.46443	0.308888
## 2160	95.09654	36.04794	0.916710
## 2161	87.55209	42.85269	0.846537
## 2162	117.02203	42.79811	0.854690
## 2163	113.84750	52.49881	0.876867
## 2164	129.72966	52.86492	0.899954
## 2165	84.57224	33.59002	0.404940
## 2166	72.12676	39.17007	0.788102
## 2167	100.88443	48.83770	0.893944
## 2168	75.61281	44.69616	0.789586
## 2169	106.28964	45.58750	0.851021
## 2170	96.84990	49.25737	0.347970
## 2171	115.40332	69.01717	0.455576
## 2172	103.03378	60.56809	0.604705
## 2173	100.47930	55.44626	0.811044
## 2174	108.45922	52.98816	0.720808
## 2175	116.79743	53.06404	0.298393
## 2176	117.22159	49.93089	0.256083
## 2177	101.31844	38.53691	0.446900
## 2178	102.83772	43.39171	0.487231
## 2179	91.94568	62.70457	0.786016
## 2180	120.02997	40.61855	0.314877
## 2181	105.42627	35.01487	0.639695
## 2182	112.01400	45.00850	0.502581
## 2183	138.38592	43.22908	0.504408
## 2184	126.52676	53.40545	0.639760
## 2185	142.38980	48.49747	0.590893
## 2186	133.67587	44.78579	0.381917
## 2187	118.79662	48.60503	0.447872
## 2188	116.65939	47.68717	0.761159
## 2189	131.21860	53.58980	0.939577
## 2190	122.29089	50.29414	0.788342
## 2191	115.18285	50.51489	0.436363
## 2192	133.62676	58.49480	0.636621
## 2193	113.00221	57.79186	0.709606
## 2194	118.25807	54.10413	0.569190

## 2195	100.68787	56.25683	0.417599
## 2196	123.02807	50.65140	0.771883
## 2197	119.31541	51.50568	0.361246
## 2198	125.14049	47.35304	0.777048
## 2199	125.34686	49.80831	0.886797
## 2200	125.17782	57.62180	0.948742
## 2201	124.89138	52.50631	0.920375
## 2202	141.21919	43.71905	0.787889
## 2203	140.98084	49.96827	0.604514
## 2204	135.79590	52.63777	0.713573
## 2205	133.34695	46.68180	0.737931
## 2206	139.18440	50.08896	0.635421
## 2207	137.96060	47.37244	0.629971
## 2208	140.29343	51.85399	0.734716
## 2209	144.62846	45.29775	0.941632
## 2210	124.23678	58.21007	0.838260
## 2211	125.21562	63.88205	0.480536
## 2212	125.98642	54.14216	0.885458
## 2213	131.60091	47.52384	0.375130
## 2214	130.21315	51.63437	0.427753
## 2215	98.16619	60.36429	0.679915
## 2216	110.12688	49.84952	0.607342
## 2217	117.59769	57.51931	0.529907
## 2218	112.71397	67.11414	0.571465
## 2219	124.93905	53.49489	0.597254
## 2220	108.96491	49.10090	0.701491
## 2221	123.85484	69.77760	0.554543
## 2222	108.38755	65.06763	0.533841
## 2223	82.23309	41.07615	0.489044
## 2224	107.12632	44.39189	0.820730
## 2225	126.19960	45.04640	0.909156
## 2226	99.87012	43.85126	0.830119
## 2227	111.36787	46.37382	0.899990
## 2228	90.62090	48.52191	0.473322
## 2229	95.66354	53.44120	0.362408
## 2230	87.83954	57.62257	0.319747
## 2231	85.20293	53.91096	0.398158
## 2232	97.80145	53.94795	0.627902
## 2233	79.29327	42.74977	0.580959
## 2234	106.75217	53.21189	0.481764
## 2235	97.87753	47.40539	0.667238
## 2236	110.64298	45.33801	0.594748
## 2237	115.87990	67.08552	0.500627
## 2238	128.99095	45.85967	0.340296
## 2239	116.99911	42.53037	0.488486
## 2240	115.40237	46.63028	0.549656
## 2241	107.52554	42.83448	0.369044
## 2242	124.98483	46.26984	0.400656
## 2243	106.98219	53.97382	0.565612
## 2244	123.50835	44.67213	0.568528
## 2245	89.97146	48.74975	0.471604
## 2246	111.97521	56.34560	0.326140
## 2247	115.37357	53.00331	0.498977
## 2248	98.18035	57.55949	0.349582

## 2249	110.44506	46.59443	0.339174
## 2250	120.85362	48.30180	0.622588
## 2251	111.02203	45.23702	0.762397
## 2252	104.12734	58.40472	0.613722
## 2253	111.21451	53.38237	0.381406
## 2254	108.55103	58.93063	0.339295
## 2255	122.30644	55.66040	0.323131
## 2256	107.34857	55.01276	0.439422
## 2257	140.05537	57.16255	0.435798
## 2258	122.99435	50.21172	0.862851
## 2259	121.53127	54.07993	0.707993
## 2260	124.86979	48.18699	0.836728
## 2261	105.10552	43.26929	0.743959
## 2262	115.27457	47.58529	0.535138
## 2263	101.47604	41.56947	0.577744
## 2264	90.13983	35.93208	0.412310
## 2265	81.16386	36.12470	0.415603
## 2266	88.21667	32.32975	0.819699
## 2267	101.14055	46.25539	0.496325
## 2268	140.44661	47.24195	0.533225
## 2269	131.27878	46.76519	0.562321
## 2270	131.46568	54.41370	0.375251
## 2271	108.63574	58.76821	0.334964
## 2272	101.57920	58.42263	0.479609
## 2273	118.22380	64.77243	0.552614
## 2274	121.77426	52.87054	0.361315
## 2275	103.81312	50.92384	0.464567
## 2276	94.48647	46.09800	0.693560
## 2277	92.34425	41.31366	0.333899
## 2278	91.76452	43.05670	0.733841
## 2279	88.64311	38.32115	0.529909
## 2280	91.10184	52.53507	0.464676
## 2281	90.57717	48.39160	0.394643
## 2282	98.81071	50.72275	0.449682
## 2283	104.62523	48.99429	0.605760
## 2284	80.43081	40.88054	0.343839
## 2285	84.75451	34.02139	0.502052
## 2286	98.25169	40.50192	0.494651
## 2287	128.83867	57.29575	0.938688
## 2288	71.75404	32.93010	0.676590
## 2289	83.62885	33.18660	0.865693
## 2290	76.24935	38.00353	0.683377
## 2291	68.88464	31.27504	0.348479
## 2292	85.26083	37.72234	0.378768
## 2293	97.01939	63.18455	0.375087
## 2294	102.29653	37.59126	0.544806
## 2295	93.17729	38.56155	0.431303
## 2296	129.33160	49.11594	0.658521
## 2297	115.11493	48.24750	0.600843
## 2298	110.69869	41.14158	0.697133
## 2299	129.22810	45.37515	0.437871
## 2300	129.07211	49.60822	0.557111
## 2301	126.86871	45.08866	0.494035
## 2302	134.13277	47.10251	0.627523

## 2303	127.50269	46.53641	0.933741
## 2304	128.01776	51.32106	0.893546
## 2305	131.51205	46.48665	0.797103
## 2306	114.13250	63.89291	0.794743
## 2307	130.25125	50.80036	0.832520
## 2308	123.07225	53.73691	0.839546
## 2309	133.78415	52.28269	0.475708
## 2310	147.93240	52.39169	0.930135
## 2311	131.79941	45.22902	0.609999
## 2312	116.80305	45.60144	0.902934
## 2313	142.63260	51.89312	0.799565
## 2314	133.62909	65.99207	0.632676
## 2315	150.47896	51.36343	0.672329
## 2316	150.87860	59.65678	0.748416
## 2317	118.55325	58.50819	0.546132
## 2318	122.61899	49.48341	0.795653
## 2319	116.30853	47.96629	0.630597
## 2320	144.98036	48.58685	0.669936
## 2321	131.59566	53.14927	0.759179
## 2322	147.81520	65.51599	0.749675
## 2323	122.51299	55.78376	0.659527
## 2324	130.02617	53.14646	0.704162
## 2325	129.67920	47.32334	0.419900
## 2326	145.32861	47.51194	0.594297
## 2327	125.76605	47.87570	0.479955
## 2328	128.65723	56.39915	0.702890
## 2329	138.81143	62.95848	0.701216
## 2330	135.99535	48.32346	0.545956
## 2331	134.52769	46.42884	0.698761
## 2332	136.54315	46.25176	0.648122
## 2333	144.69138	51.76389	0.479038
## 2334	142.41048	49.16471	0.489730
## 2335	145.06818	52.04351	0.388772
## 2336	140.65718	58.80674	0.316079
## 2337	144.76836	60.82951	0.463217
## 2338	104.20911	52.10935	0.874192
## 2339	111.50309	37.46455	0.693925
## 2340	109.82411	48.94629	0.764200
## 2341	111.78075	50.10433	0.849041
## 2342	95.06945	54.17149	0.647990
## 2343	121.91994	49.05888	0.866759
## 2344	88.81714	49.75788	0.731601
## 2345	138.96005	70.91521	0.698414
## 2346	98.43908	55.30060	0.588028
## 2347	90.92206	50.24953	0.467402
## 2348	87.95677	49.15667	0.418080
## 2349	92.29187	52.53585	0.689350
## 2350	93.94045	52.56531	0.439921
## 2351	76.68995	40.32633	0.266856
## 2352	76.30496	38.75861	0.379261
## 2353	109.28240	52.35461	0.288807
## 2354	109.76984	56.02700	0.703111
## 2355	87.84055	43.68962	0.674118
## 2356	86.14219	40.56999	0.571939

## 2357	104.59611	46.68570	0.613844
## 2358	118.04452	54.09866	0.875638
## 2359	99.86877	52.34199	0.572583
## 2360	78.60613	40.82439	0.390015
## 2361	86.31490	36.81160	0.354727
## 2362	81.53480	43.44901	0.347792
## 2363	79.37500	41.43264	0.468272
## 2364	84.74509	35.31046	0.482465
## 2365	88.53291	47.76836	0.869153
## 2366	125.79188	31.02483	0.811652
## 2367	125.23114	24.78697	0.837517
## 2368	112.10922	41.66158	0.780120
## 2369	122.94560	46.14973	0.687315
## 2370	124.27286	37.29810	0.889631
## 2371	127.79556	39.88555	0.341472
## 2372	127.36831	40.68100	0.585197
## 2373	113.57332	49.08985	0.634104
## 2374	115.20827	48.71449	0.860833
## 2375	118.90836	35.57552	0.646614
## 2376	98.84824	47.17931	0.821697
## 2377	112.44558	65.72128	0.407053
## 2378	87.67575	40.84777	0.621120
## 2379	109.03126	34.18665	0.374191
## 2380	105.69595	26.43922	0.317214
## 2381	115.25201	43.59408	0.458656
## 2382	142.13359	42.62805	0.402813
## 2383	131.56451	45.34389	0.816193
## 2384	148.16625	41.36335	0.963250
## 2385	129.88969	34.48161	0.754978
## 2386	120.99855	36.91507	0.891628
## 2387	135.32817	45.14710	0.543931
## 2388	135.95032	37.90573	0.660788
## 2389	114.84287	49.66783	0.376441
## 2390	122.16290	56.15433	0.563350
## 2391	95.23439	48.20015	0.491306
## 2392	118.12681	35.53192	0.623974
## 2393	138.39046	37.54797	0.871097
## 2394	131.93901	36.19072	0.736599
## 2395	124.82209	34.58139	0.766607
## 2396	129.40982	40.46359	0.908942
## 2397	96.33102	45.36268	0.691161
## 2398	129.47807	41.74237	0.578125
## 2399	127.12038	34.03100	0.759440
## 2400	128.42770	38.18818	0.908388
## 2401	114.15308	29.27836	0.682162
## 2402	114.01018	31.17293	0.718338
## 2403	113.79340	49.35237	0.730845
## 2404	117.68269	52.60018	0.498690
## 2405	127.44930	60.71357	0.470396
## 2406	123.54061	65.92001	0.491152
## 2407	142.58777	58.54812	0.379757
## 2408	122.50809	42.57881	0.737406
## 2409	114.18176	67.74458	0.566733
## 2410	109.72295	51.00642	0.654007

## 2411	132.06314	52.88472	0.488542
## 2412	125.52378	59.21211	0.368286
## 2413	94.63779	65.20335	0.500143
## 2414	124.93085	61.84629	0.294775
## 2415	111.42017	55.24439	0.740748
## 2416	122.45503	58.81910	0.542640
## 2417	128.82753	60.40100	0.888032
## 2418	125.80920	65.60096	0.828901
## 2419	96.92441	62.65023	0.372691
## 2420	105.38507	60.05636	0.271864
## 2421	92.23749	52.01863	0.832191
## 2422	99.21619	40.92465	0.524541
## 2423	88.11819	44.95966	0.344334
## 2424	103.10695	47.73291	0.498594
## 2425	97.91765	51.93149	0.832414
## 2426	102.70053	45.47960	0.341219
## 2427	83.62281	51.93889	0.359961
## 2428	86.78940	41.37830	0.869786
## 2429	84.04255	42.89895	0.431264
## 2430	140.67452	74.11729	0.306515
## 2431	108.13312	63.52520	0.584430
## 2432	113.04694	60.02613	0.617080
## 2433	102.00707	46.35243	0.703189
## 2434	98.59916	46.68736	0.431315
## 2435	113.06027	44.01672	0.809300
## 2436	92.36161	46.09534	0.847119
## 2437	130.09885	66.90156	0.354748
## 2438	120.86514	60.98502	0.263721
## 2439	101.53519	42.01835	0.375066
## 2440	112.45691	57.73206	0.404972
## 2441	105.72183	52.38086	0.340089
## 2442	111.70138	38.68308	0.586499
## 2443	127.37980	32.05545	0.535060
## 2444	144.57350	47.74665	0.317991
## 2445	124.59734	48.67433	0.405648
## 2446	145.06656	49.05347	0.398712
## 2447	145.11926	51.57133	0.364607
## 2448	136.98204	53.46020	0.376177
## 2449	124.55971	53.15562	0.776553
## 2450	102.35222	31.87269	0.309567
## 2451	116.58456	52.80656	0.383861
## 2452	118.44768	59.39331	0.715091
## 2453	107.52900	37.41953	0.297283
## 2454	114.82653	41.13561	0.400109
## 2455	99.75921	54.81376	0.463910
## 2456	129.46368	66.61111	0.741920
## 2457	123.57702	68.71850	0.362512
## 2458	127.28861	58.35979	0.624388
## 2459	117.90615	49.30441	0.731895
## 2460	147.26417	40.89534	0.822050
## 2461	147.38745	42.73913	0.773096
## 2462	134.90048	36.42900	0.814961
## 2463	143.10805	31.47088	0.925531
## 2464	142.99175	40.76696	0.585552

## 2465	141.11401	55.78152	0.765217
## 2466	130.16489	59.88286	0.784616
## 2467	118.58122	59.92899	0.650766
## 2468	123.96805	46.37636	0.553535
## 2469	140.99757	45.61169	0.563642
## 2470	145.10753	44.62607	0.740418
## 2471	148.67258	33.26030	0.815684
## 2472	135.65303	46.13499	0.837558
## 2473	151.73438	45.43498	0.366357
## 2474	144.27004	40.43195	0.731103
## 2475	132.74646	61.67253	0.664265
## 2476	109.39886	39.62333	0.504151
## 2477	104.71856	35.64197	0.864354
## 2478	141.54987	63.11288	0.428982
## 2479	125.39291	59.71809	0.673673
## 2480	116.91564	60.67719	0.642892
## 2481	124.71029	66.05570	0.289341
## 2482	118.50627	57.44468	0.717778
## 2483	109.82777	53.25590	0.583108
## 2484	135.98935	45.80006	0.504267
## 2485	105.17254	51.17900	0.692430
## 2486	98.95232	62.94648	0.412892
## 2487	105.36351	57.76562	0.602132
## 2488	121.35291	63.73381	0.626262
## 2489	114.38725	45.19497	0.622479
## 2490	121.65359	47.78894	0.535929
## 2491	93.39825	59.74601	0.467756
## 2492	108.03879	65.91131	0.321969
## 2493	80.98696	54.14449	0.340793
## 2494	126.01902	54.86137	0.777605
## 2495	96.72515	42.17717	0.311412
## 2496	121.56499	50.88665	0.666126
## 2497	127.03725	43.15181	0.489198
## 2498	132.41977	55.91391	0.521105
## 2499	136.03966	64.91777	0.683533
## 2500	122.23807	46.99047	0.599085
## 2501	105.56678	55.70864	0.707175
## 2502	107.53941	46.35439	0.824963
## 2503	100.86700	41.12136	0.910423
## 2504	98.57626	37.28163	0.832062
## 2505	116.57548	48.71153	0.904454
## 2506	84.69420	45.53683	0.468888
## 2507	94.85283	46.74276	0.310210
## 2508	96.54112	53.56410	0.618310
## 2509	82.80755	45.79273	0.326530
## 2510	116.07387	48.73497	0.763061
## 2511	108.10149	40.95020	0.689204
## 2512	116.10085	41.14983	0.847978
## 2513	127.68657	55.24520	0.746883
## 2514	127.97085	50.35035	0.576659
## 2515	127.69937	50.33599	0.711263
## 2516	130.97021	53.08675	0.431363
## 2517	109.02063	59.47117	0.444272
## 2518	117.94367	51.95111	0.845466

## 2519	116.54701	47.29662	0.578676
## 2520	97.40303	35.62641	0.529933
## 2521	95.90633	39.41965	0.559675
## 2522	86.77765	42.58766	0.363494
## 2523	87.62532	41.58084	0.286032
## 2524	108.27332	49.06248	0.529004
## 2525	89.30074	26.78348	0.800827
## 2526	111.55214	47.32208	0.393069
## 2527	118.11516	69.91904	0.375542
## 2528	131.60651	64.65013	0.326314
## 2529	115.78596	50.09822	0.607446
## 2530	118.01547	57.32214	0.627059
## 2531	111.87737	56.47195	0.877992
## 2532	77.83750	45.79794	0.449370
## 2533	87.50057	51.90850	0.772571
## 2534	99.72240	64.44513	0.224351
## 2535	131.63924	54.17248	0.812517
## 2536	105.93946	46.30654	0.586655
## 2537	121.67435	53.25376	0.736533
## 2538	94.97211	56.71880	0.814256
## 2539	93.56685	58.57098	0.821059
## 2540	136.40445	47.16987	0.728916
## 2541	141.98680	40.62519	0.339457
## 2542	149.44757	74.04441	0.504870
## 2543	126.37235	49.05875	0.739143
## 2544	126.84360	43.43327	0.609100
## 2545	104.12047	38.36447	0.822440
## 2546	91.42076	36.24033	0.517799
## 2547	132.27554	42.32537	0.758807
## 2548	131.03690	39.01271	0.427780
## 2549	123.84154	59.41657	0.591951
## 2550	133.47586	38.83073	0.892247
## 2551	128.41751	34.22017	0.827039
## 2552	128.55724	34.82582	0.370232
## 2553	120.24179	34.03616	0.406702
## 2554	119.45376	44.35241	0.410421
## 2555	105.09901	27.38833	0.417999
## 2556	114.36988	26.70821	0.439927
## 2557	123.98553	31.17992	0.742274
## 2558	123.15465	34.64469	0.749861
## 2559	105.21813	35.79295	0.784012
## 2560	132.93634	44.42396	0.739910
## 2561	131.88702	63.66464	0.631984
## 2562	145.86955	51.87232	0.803005
## 2563	143.02783	66.17763	0.595251
## 2564	108.25674	54.42856	0.630249
## 2565	129.35292	57.41811	0.496323
## 2566	125.69621	45.95278	0.546199
## 2567	128.83031	52.50814	0.518436
## 2568	142.68823	45.72438	0.495311
## 2569	145.64006	48.92630	0.796117
## 2570	139.08363	45.58787	0.764364
## 2571	135.48151	43.75593	0.549994
## 2572	136.78325	48.66905	0.298278

## 2573	119.81220	61.59708	0.592789
## 2574	145.83864	41.63139	0.902573
## 2575	133.22607	43.92272	0.422080
## 2576	136.29849	43.22839	0.855568
## 2577	110.28320	40.97162	0.671686
## 2578	105.92953	35.12185	0.870685
## 2579	93.44610	41.20138	0.545669
## 2580	139.13223	50.35357	0.837036
## 2581	136.42906	46.50401	0.431338
## 2582	120.90211	46.77696	0.783596
## 2583	149.66661	38.28824	0.601411
## 2584	138.70511	51.01893	0.524631
## 2585	130.10034	41.77465	0.358692
## 2586	123.06140	45.39177	0.550531
## 2587	130.03836	50.88442	0.513626
## 2588	144.78360	41.09679	0.856310
## 2589	126.45220	35.50297	0.476048
## 2590	131.11743	41.56345	0.773318
## 2591	149.03593	43.79744	0.771797
## 2592	146.32101	46.68108	0.707520
## 2593	139.49442	53.89513	0.830805
## 2594	130.92526	55.03782	0.589752
## 2595	119.75166	61.89032	0.468640
## 2596	117.42283	61.21927	0.479037
## 2597	106.04897	44.99716	0.380121
## 2598	107.25123	39.17712	0.738755
## 2599	112.32073	56.45907	0.569111
## 2600	119.09671	54.98143	0.672047
## 2601	129.87482	68.50573	0.423345
## 2602	137.72855	53.17862	0.407470
## 2603	100.07976	40.24118	0.499006
## 2604	120.45241	59.92071	0.302744
## 2605	134.47301	46.51862	0.746043
## 2606	117.68604	57.56060	0.542488
## 2607	111.75445	57.74435	0.880387
## 2608	115.04649	63.76580	0.449901
## 2609	116.31233	60.99053	0.490545
## 2610	113.60108	66.74476	0.715682
## 2611	121.18537	66.44195	0.361513
## 2612	121.41993	66.93469	0.641328
## 2613	79.17375	25.81595	0.610201
## 2614	76.97388	22.06576	0.412363
## 2615	78.15292	21.07332	0.444368
## 2616	74.17487	29.82914	0.344099
## 2617	70.58526	30.21971	0.644529
## 2618	84.55798	23.61088	0.533762
## 2619	108.58092	48.74804	0.570795
## 2620	116.85436	52.49450	0.825006
## 2621	108.19193	62.43149	0.622286
## 2622	101.27164	50.62497	0.403370
## 2623	120.39417	61.07324	0.347178
## 2624	106.90371	48.73655	0.365370
## 2625	98.85086	56.05257	0.470119
## 2626	106.34002	51.40297	0.483040

## 2627	109.12875	50.31424	0.858793
## 2628	95.50197	32.38967	0.807387
## 2629	122.06245	35.35804	0.836465
## 2630	124.37439	35.96914	0.781036
## 2631	117.76771	34.15252	0.686508
## 2632	122.36731	28.84983	0.889994
## 2633	113.12244	42.46147	0.343998
## 2634	126.78680	37.15010	0.585869
## 2635	126.20771	41.80246	0.630747
## 2636	118.48680	45.78881	0.864453
## 2637	127.62735	41.23691	0.645467
## 2638	115.83759	47.23562	0.316227
## 2639	115.23880	41.50529	0.914394
## 2640	116.94650	53.33087	0.841473
## 2641	104.10641	31.66495	0.861238
## 2642	84.07578	32.60111	0.888658
## 2643	98.74809	49.19785	0.906265
## 2644	103.23270	43.30752	0.420607
## 2645	84.10674	49.03013	0.798429
## 2646	95.91516	48.88600	0.889678
## 2647	117.31231	66.79936	0.775302
## 2648	99.13644	61.38921	0.846693
## 2649	100.95919	66.43327	0.452187
## 2650	108.67808	53.16869	0.606929
## 2651	129.41205	43.31812	0.741450
## 2652	103.09255	47.35164	0.762380
## 2653	105.80868	56.10767	0.725002
## 2654	95.69080	37.93259	0.765218
## 2655	112.87255	38.67710	0.792162
## 2656	118.32526	35.71080	0.853622
## 2657	114.85263	54.13671	0.734662
## 2658	118.18467	47.85236	0.795111
## 2659	122.18893	36.70834	0.776652
## 2660	116.38366	50.67481	0.772875
## 2661	122.27884	49.82666	0.760231
## 2662	98.31589	46.06934	0.732375
## 2663	109.80120	39.23356	0.712873
## 2664	123.32287	31.95656	0.759525
## 2665	101.68231	37.48934	0.880544
## 2666	83.88991	35.21978	0.788522
## 2667	110.14809	46.62715	0.855193
## 2668	85.44321	38.41772	0.836293
## 2669	95.57912	38.44055	0.865140
## 2670	92.01597	39.11757	0.876516
## 2671	91.41122	34.05278	0.822786
## 2672	92.97675	34.86328	0.747842
## 2673	106.15218	40.91861	0.814464
## 2674	95.76043	37.46433	0.776421
## 2675	117.22758	37.33370	0.988093
## 2676	140.37276	43.33477	0.822751
## 2677	142.42940	40.69909	0.980036
## 2678	118.50027	45.25783	0.577294
## 2679	117.73016	36.99227	0.597650
## 2680	122.55067	35.45798	0.703238

## 2681	118.02456	33.96272	0.814008
## 2682	117.20330	33.24045	0.617090
## 2683	112.94727	39.14126	0.581941
## 2684	116.19469	36.92453	0.596685
## 2685	115.60860	52.90943	0.297622
## 2686	129.79129	33.44934	0.407141
## 2687	136.40514	44.61676	0.416690
## 2688	144.65269	39.57630	0.788370
## 2689	136.12750	40.72463	0.981578
## 2690	137.31282	56.04949	0.638910
## 2691	136.28267	41.31992	0.866971
## 2692	126.40264	39.60213	0.589410
## 2693	113.72919	36.18003	0.832091
## 2694	115.21743	35.89060	0.779557
## 2695	113.00028	52.82488	0.817173
## 2696	114.06010	36.09734	0.870198
## 2697	100.07552	46.01932	0.737744
## 2698	128.41962	41.99426	0.800494
## 2699	143.66046	47.11950	0.674615
## 2700	147.51379	47.26645	0.725624
## 2701	142.28560	62.87718	0.767741
## 2702	134.53415	46.04506	0.667140
## 2703	148.73140	35.59079	0.676520
## 2704	127.54911	61.21955	0.768563
## 2705	142.38693	47.19292	0.715620
## 2706	135.63074	39.90797	0.909003
## 2707	120.25692	45.42150	0.838504
## 2708	144.49358	51.24973	0.581201
## 2709	147.28400	46.58338	0.472154
## 2710	145.50951	33.03536	0.748438
## 2711	143.67294	48.45786	0.429312
## 2712	140.25595	34.68262	0.540442
## 2713	137.94096	39.67358	0.380222
## 2714	133.09992	44.43775	0.447473
## 2715	149.23721	42.10847	0.440979
## 2716	139.01006	33.14801	0.464202
## 2717	135.87489	31.79814	0.743439
## 2718	96.10258	44.12103	0.639170
## 2719	117.91921	45.45795	0.641532
## 2720	127.52214	35.11533	0.875715
## 2721	126.42822	39.80539	0.599629
## 2722	131.17363	40.04131	0.842477
## 2723	125.57629	38.90126	0.775114
## 2724	125.81953	63.71422	0.813709
## 2725	123.50510	52.87333	0.859394
## 2726	123.08292	58.38844	0.725117
## 2727	129.61897	44.64247	0.778770
## 2728	110.46044	44.10331	0.741005
## 2729	112.74448	41.23759	0.650829
## 2730	104.89437	35.78780	0.689758
## 2731	143.49661	37.82270	0.839388
## 2732	137.64813	39.90111	0.376775
## 2733	133.81137	66.69901	0.702247
## 2734	131.12772	68.83672	0.352149

## 2735	147.84036	69.42456	0.263427
## 2736	121.33317	66.80363	0.330160
## 2737	124.71515	56.21799	0.404184
## 2738	131.75885	65.46712	0.355739
## 2739	145.16025	45.27122	0.584198
## 2740	135.41489	52.26821	0.844702
## 2741	124.27674	50.54791	0.359260
## 2742	119.32666	64.19954	0.465325
## 2743	125.59914	47.49990	0.608993
## 2744	112.83675	45.65138	0.824456
## 2745	107.79041	33.16288	0.725790
## 2746	113.19705	40.89575	0.312234
## 2747	100.70007	42.15445	0.258543
## 2748	102.65458	39.54339	0.451649
## 2749	126.79709	47.86155	0.480976
## 2750	106.35705	33.97081	0.539339
## 2751	99.06480	38.49691	0.316796
## 2752	107.71865	47.36824	0.405697
## 2753	135.84802	41.26391	0.394316
## 2754	125.49529	35.95480	0.369338
## 2755	143.78436	53.71464	0.376439
## 2756	147.03659	43.51021	0.780688
## 2757	138.75110	45.39395	0.310379
## 2758	146.42717	52.40964	0.382255
## 2759	101.00474	48.16509	0.715357
## 2760	126.33155	50.51586	0.296879
## 2761	113.59364	43.51030	0.400871
## 2762	128.47771	66.65453	0.463749
## 2763	99.23887	43.95253	0.903290
## 2764	116.65614	39.48033	0.707109
## 2765	143.02240	47.20913	0.820311
## 2766	144.89403	51.86568	0.876751
## 2767	143.39247	54.66061	0.521679
## 2768	148.96094	43.75626	0.648726
## 2769	119.43063	57.53194	0.358662
## 2770	115.49908	59.70158	0.532415
## 2771	132.29024	64.92847	0.470991
## 2772	148.23590	42.78273	0.612907
## 2773	141.84465	42.91629	0.867907
## 2774	141.25503	35.20479	0.742055
## 2775	123.43076	31.91555	0.938811
## 2776	131.48900	37.57620	0.815752
## 2777	140.89519	51.21436	0.723885
## 2778	143.55219	59.18440	0.512924
## 2779	138.60913	64.71783	0.401459
## 2780	140.77708	46.50399	0.534023
## 2781	143.25238	48.30283	0.432795
## 2782	119.78343	49.70443	0.397805
## 2783	142.51421	49.98580	0.428588
## 2784	130.76663	51.09735	0.692681
## 2785	140.53294	52.44939	0.408509
## 2786	130.02736	39.49446	0.532574
## 2787	138.21266	41.56929	0.855510
## 2788	140.43974	51.03003	0.438367

## 2789	129.93973	42.87006	0.517404
## 2790	112.68210	33.65329	0.414594
## 2791	112.07360	45.91154	0.773524
## 2792	136.02060	50.67464	0.451083
## 2793	140.81184	43.89637	0.659638
## 2794	131.91663	50.33834	0.366569
## 2795	115.92815	54.64756	0.560210
## 2796	134.32188	49.76276	0.564223
## 2797	142.82893	38.23698	0.531087
## 2798	142.64186	41.64055	0.509706
## 2799	129.01578	53.63437	0.482614
## 2800	133.16054	47.58655	0.277044
## 2801	136.47508	48.91820	0.329497
## 2802	133.90434	39.36988	0.563249
## 2803	137.70326	39.91173	0.841351
## 2804	139.50240	47.76344	0.436878
## 2805	136.62868	38.98655	0.761363
## 2806	140.78006	40.73269	0.728212
## 2807	136.17517	42.95171	0.450662
## 2808	121.67503	39.63408	0.583066
## 2809	125.58266	33.54190	0.632501
## 2810	117.57951	39.21269	0.508811
## 2811	131.62961	46.61351	0.330428
## 2812	134.47577	53.50493	0.805608
## 2813	149.40387	46.01276	0.764314
## 2814	106.79900	52.44456	0.800415
## 2815	127.59736	32.41940	0.957526
## 2816	98.16323	46.20504	0.609141
## 2817	103.07561	48.88224	0.434477
## 2818	94.49091	41.13654	0.317905
## 2819	121.45361	66.23532	0.582180
## 2820	128.21182	60.76811	0.356315
## 2821	127.23495	55.29969	0.435409
## 2822	121.81443	51.85368	0.587923
## 2823	138.11676	44.48359	0.504261
## 2824	100.61424	51.19776	0.491928
## 2825	117.10149	47.92522	0.692694
## 2826	111.80969	33.97029	0.745300
## 2827	112.93746	39.39697	0.905033
## 2828	99.01994	37.52421	0.911058
## 2829	98.26125	37.82968	0.859088
## 2830	83.18591	44.67867	0.488109
## 2831	86.18400	43.38284	0.316777
## 2832	85.07748	49.55225	0.624112
## 2833	127.34816	58.49464	0.319658
## 2834	148.37166	50.49125	0.764622
## 2835	91.59689	48.70827	0.673861
## 2836	90.99914	51.57765	0.716273
## 2837	81.67061	50.11908	0.712865
## 2838	82.27334	41.04311	0.700745
## 2839	97.90506	41.90914	0.834165
## 2840	90.18855	53.96640	0.641438
## 2841	87.68793	57.21747	0.402150
## 2842	119.83308	56.07218	0.737491

## 2843	106.29123	37.40592	0.616338
## 2844	114.85581	48.97886	0.625650
## 2845	105.17976	44.50203	0.539383
## 2846	121.14761	58.34173	0.713650
## 2847	122.47074	52.54810	0.736653
## 2848	125.26857	47.14360	0.737120
## 2849	128.04585	50.61521	0.480815
## 2850	97.17446	47.28487	0.805386
## 2851	105.37550	50.12499	0.427938
## 2852	110.09003	58.62432	0.675245
## 2853	126.90832	58.83579	0.648763
## 2854	119.79341	68.80051	0.298953
## 2855	109.53852	63.94424	0.717018
## 2856	83.05956	49.71597	0.591003
## 2857	122.61426	47.11373	0.508601
## 2858	116.35044	40.90057	0.690775
## 2859	92.77216	47.37464	0.407517
## 2860	92.30033	34.84549	0.601836
## 2861	102.66106	57.10839	0.627876
## 2862	127.63752	42.73444	0.622812
## 2863	120.89487	46.78517	0.536973
## 2864	108.95264	54.41460	0.729051
## 2865	123.80723	62.95525	0.822549
## 2866	99.34772	56.60432	0.906538
## 2867	126.46932	45.94253	0.734769
## 2868	138.71458	43.62876	0.438686
## 2869	128.56151	42.13156	0.422840
## 2870	141.39986	34.72139	0.438649
## 2871	137.16411	45.43241	0.396985
## 2872	117.53365	41.20496	0.352809
## 2873	119.52972	39.67553	0.548886
## 2874	122.64139	40.57787	0.626460
## 2875	143.89627	38.59729	0.820904
## 2876	129.04146	54.41271	0.756990
## 2877	129.20732	33.23221	0.677845
## 2878	135.50249	36.84591	0.748615
## 2879	106.01913	54.54549	0.603620
## 2880	124.95772	41.14180	0.781182
## 2881	113.60074	57.02786	0.519770
## 2882	127.39896	42.47243	0.818162
## 2883	128.28795	39.67528	0.873245
## 2884	126.96653	40.17863	0.784431
## 2885	137.02335	66.89423	0.744817
## 2886	104.20554	53.05170	0.621503
## 2887	118.27317	40.98935	0.769237
## 2888	127.26680	35.26361	0.764463
## 2889	122.65669	35.76493	0.732854
## 2890	130.20955	38.40805	0.809906
## 2891	148.38954	47.91710	0.864373
## 2892	100.39030	42.54734	0.737227
## 2893	127.32411	39.48158	0.575543
## 2894	114.88003	39.27235	0.541701
## 2895	126.24679	40.81000	0.695159
## 2896	121.61171	39.57612	0.761945

## 2897	142.93802	50.16046	0.462151
## 2898	145.83934	44.77653	0.933458
## 2899	122.40221	37.12489	0.782946
## 2900	134.64092	46.15523	0.846165
## 2901	135.57097	66.94363	0.330641
## 2902	147.59654	53.45868	0.339644
## 2903	126.15327	69.35340	0.612960
## 2904	113.09164	41.69588	0.743036
## 2905	126.01186	43.94434	0.811422
## 2906	141.34100	45.11156	0.325469
## 2907	117.32677	44.34262	0.271479
## 2908	101.62163	34.66905	0.602777
## 2909	109.19876	41.84712	0.813002
## 2910	104.10242	41.83027	0.445673
## 2911	99.34300	37.93215	0.450361
## 2912	124.59806	50.05088	0.499556
## 2913	147.19153	39.56031	0.567164
## 2914	149.76146	47.68362	0.738961
## 2915	143.83160	56.28199	0.738928
## 2916	142.54666	54.87348	0.573694
## 2917	141.87933	58.12154	0.509878
## 2918	148.92198	53.04629	0.456130
## 2919	153.30154	53.75142	0.391268
## 2920	124.14555	42.79599	0.873080
## 2921	136.81621	50.72674	0.251507
## 2922	150.69791	47.39460	0.786710
## 2923	143.47914	48.12805	0.751977
## 2924	139.62936	42.07234	0.922152
## 2925	126.23791	34.37065	0.830792
## 2926	131.28114	47.32537	0.790600
## 2927	139.44650	44.72610	0.793436
## 2928	138.79689	45.31923	0.832398
## 2929	122.08720	41.03111	0.671747
## 2930	123.21940	36.36639	0.752458
## 2931	135.30219	37.91937	0.796441
## 2932	122.78052	51.29161	0.869912
## 2933	134.25090	42.42088	0.754010
## 2934	139.83044	40.20113	0.843255
## 2935	123.86846	39.84922	0.618570
## 2936	121.71480	37.15684	0.814737
## 2937	120.35618	44.76014	0.692025
## 2938	122.93179	45.12613	0.567728
## 2939	124.32551	34.97623	0.762072
## 2940	127.00401	38.60197	0.891307
## 2941	122.44255	44.03573	0.593742
## 2942	121.88049	35.96725	0.810161
## 2943	99.15115	39.37923	0.712549
## 2944	119.41830	39.62257	0.844594
## 2945	120.63042	40.93147	0.839687
## 2946	124.72669	40.97638	0.663257
## 2947	127.40727	42.17078	0.826734
## 2948	121.36750	39.21095	0.722472
## 2949	118.42465	50.69160	0.725522
## 2950	129.66103	40.76846	0.753990

## 2951	108.26840	49.30725	0.582407
## 2952	127.38679	37.59392	0.764635
## 2953	97.89483	49.91472	0.713859
## 2954	122.99828	37.98601	0.877389
## 2955	142.44269	41.63243	0.786872
## 2956	136.93308	39.26472	0.893267
## 2957	123.96069	40.97784	0.750709
## 2958	112.40668	48.98116	0.666309
## 2959	133.84520	44.40150	0.777356
## 2960	136.69000	36.09099	0.826292
## 2961	137.04042	33.90576	0.582687
## 2962	131.31435	47.16996	0.686990
## 2963	129.91910	51.14796	0.707873
## 2964	116.27497	59.67782	0.620065
## 2965	137.01825	48.11714	0.509775
## 2966	131.04585	48.48945	0.525828
## 2967	137.29532	32.67339	0.846649
## 2968	132.09804	36.15986	0.814394
## 2969	135.54517	37.53698	0.579079
## 2970	132.92400	41.39129	0.540022
## 2971	138.27310	44.08167	0.553034
## 2972	135.42918	41.33413	0.666511
## 2973	129.10881	44.44080	0.849033
## 2974	128.70563	43.00849	0.612386
## 2975	131.45880	41.99257	0.607855
## 2976	130.86320	36.49270	0.558619
## 2977	135.28311	45.23920	0.605886
## 2978	133.92717	43.10977	0.612000
## 2979	138.82396	50.65362	0.542529
## 2980	126.46447	47.09531	0.612237
## 2981	133.97852	49.00665	0.675594
## 2982	130.34827	35.57099	0.843795
## 2983	134.39377	40.38354	0.814844
## 2984	121.72089	38.84912	0.710776
## 2985	125.86688	39.31886	0.777300
## 2986	117.49052	37.97033	0.643483
## 2987	120.40095	39.03584	0.603628
## 2988	123.31258	38.77218	0.588493
## 2989	114.25297	52.14569	0.486950
## 2990	122.91116	35.29916	0.740667
## 2991	86.36489	44.64593	0.608734
## 2992	138.05943	36.86077	0.808350
## 2993	121.52679	36.41365	0.819465
## 2994	117.73420	35.21447	0.769123
## 2995	124.15489	34.12890	0.916608
## 2996	95.30457	43.00886	0.612397
## 2997	89.00452	52.04664	0.288696
## 2998	128.65979	72.74802	0.825540
## 2999	122.07310	65.77428	0.443475
## 3000	79.63984	20.88508	0.480757
## 3001	72.78401	27.63991	0.711476
## 3002	75.34268	24.85182	0.356787
## 3003	78.49040	28.60349	0.644172
## 3004	83.27982	25.24975	0.609461

## 3005	81.88533	30.83140	0.411214
## 3006	111.12324	52.73280	0.438360
## 3007	102.04640	53.51245	0.328670
## 3008	110.82426	61.29923	0.648764
## 3009	120.71375	46.01373	0.537869
## 3010	112.51023	43.98312	0.573250
## 3011	111.66553	49.78605	0.824337
## 3012	120.28807	60.11107	0.360211
## 3013	101.05170	62.77440	0.280447
## 3014	113.03404	49.32089	0.522401
## 3015	134.09399	55.35006	0.804634
## 3016	108.96587	49.73815	0.386290
## 3017	108.68753	62.98478	0.370096
## 3018	82.40251	45.32045	0.313504
## 3019	117.50462	51.96239	0.607020
## 3020	98.00002	45.86887	0.625863
## 3021	116.66517	65.65624	0.877734
## 3022	133.70529	73.36858	0.446362
## 3023	106.64257	61.58272	0.777497
## 3024	84.34419	43.90943	0.226365
## 3025	126.12071	48.92975	0.811771
## 3026	110.81349	56.78586	0.588562
## 3027	99.01386	50.30211	0.615094
## 3028	129.60341	43.77515	0.903790
## 3029	131.17648	52.45687	0.573819
## 3030	128.05061	45.81939	0.748477
## 3031	115.40330	40.45695	0.815753
## 3032	133.15526	57.59803	0.591072
## 3033	137.36206	39.92235	0.554427
## 3034	135.53101	43.42721	0.735023
## 3035	131.71443	50.40680	0.501171
## 3036	120.33184	51.05753	0.574799
## 3037	138.78496	48.72200	0.849535
## 3038	113.82841	51.70461	0.656039
## 3039	120.37224	48.32561	0.733215
## 3040	123.39585	62.68720	0.600564
## 3041	111.05798	61.51616	0.454027
## 3042	120.65813	48.35096	0.662349
## 3043	114.29600	54.39991	0.556203
## 3044	109.81025	51.62884	0.621700
## 3045	127.51358	55.19937	0.623824
## 3046	127.18604	58.32642	0.710771
## 3047	135.88005	47.19323	0.869932
## 3048	128.79622	51.33456	0.782426
## 3049	125.80290	38.75571	0.556098
## 3050	91.09844	61.28331	0.662778
## 3051	92.74543	40.29756	0.724511
## 3052	108.53786	54.82784	0.651940
## 3053	101.93341	49.02513	0.814741
## 3054	109.09492	48.09022	0.646607
## 3055	89.92451	34.85909	0.638204
## 3056	92.49691	31.96114	0.510758
## 3057	64.25100	31.71812	0.380145
## 3058	89.96105	42.28587	0.676482

## 3059	101.37215	35.90431	0.676668
## 3060	106.42660	44.62251	0.681633
## 3061	96.05296	46.82575	0.517628
## 3062	100.34259	42.32469	0.533667
## 3063	86.03833	39.82027	0.524901
## 3064	103.22977	53.86206	0.475850
## 3065	98.11968	51.97097	0.230079
## 3066	103.03229	45.42240	0.361924
## 3067	104.76257	51.62929	0.409951
## 3068	101.79345	41.40342	0.478279
## 3069	86.61673	33.85436	0.387212
## 3070	89.54187	31.52695	0.491874
## 3071	115.25172	35.20954	0.805935
## 3072	125.54727	26.92690	0.836591
## 3073	117.55746	32.92359	0.782088
## 3074	120.84278	48.28121	0.689509
## 3075	122.92540	44.03838	0.881184
## 3076	123.89429	37.37370	0.342044
## 3077	138.95039	39.82918	0.589178
## 3078	108.22772	41.88406	0.636497
## 3079	103.00530	50.84113	0.858062
## 3080	118.45290	39.43288	0.642733
## 3081	122.55766	49.24409	0.881444
## 3082	124.68334	38.67089	0.773253
## 3083	118.44540	33.77290	0.643222
## 3084	116.00420	42.81891	0.750057
## 3085	117.99091	55.24663	0.766586
## 3086	110.81625	54.35762	0.661068
## 3087	105.99564	42.25493	0.585898
## 3088	130.71069	44.56837	0.618285
## 3089	139.36499	31.07321	0.847141
## 3090	133.96532	33.86030	0.747865
## 3091	122.41516	38.44035	0.729362
## 3092	129.86209	37.76358	0.951379
## 3093	138.24593	33.43484	0.897138
## 3094	124.36102	35.72637	0.849673
## 3095	113.73171	37.16841	0.841844
## 3096	119.43394	34.72138	0.859475
## 3097	100.50590	53.50530	0.607096
## 3098	106.85706	25.82130	0.836795
## 3099	113.18117	34.94198	0.747221
## 3100	111.15293	38.00587	0.667366
## 3101	113.78995	36.56718	0.829456
## 3102	123.20018	42.42866	0.858953
## 3103	122.88159	41.52881	0.868151
## 3104	130.52145	37.58493	0.838325
## 3105	132.16432	48.77783	0.686933
## 3106	123.51831	43.06342	0.700331
## 3107	108.11752	37.79679	0.742658
## 3108	104.87642	56.95040	0.585564
## 3109	127.42699	33.70752	0.888394
## 3110	130.91658	38.17181	0.747985
## 3111	120.86822	42.42586	0.707519
## 3112	122.82916	37.82731	0.795638

## 3113	122.46141	43.72847	0.681496
## 3114	115.01968	37.25987	0.548163
## 3115	123.43367	32.70623	0.821228
## 3116	140.70941	34.94424	0.951593
## 3117	144.17403	48.92412	0.778879
## 3118	141.23190	38.99103	0.831788
## 3119	109.65885	43.23461	0.709275
## 3120	111.10345	34.43643	0.930640
## 3121	97.13013	52.61671	0.579040
## 3122	128.57739	50.59830	0.735603
## 3123	111.43931	44.85290	0.402561
## 3124	97.30602	52.31411	0.481663
## 3125	127.12687	63.85920	0.422473
## 3126	122.75584	55.81130	0.586912
## 3127	94.19285	55.11642	0.721534
## 3128	121.88219	64.45024	0.766901
## 3129	76.98403	43.09761	0.757998
## 3130	130.85663	53.79189	0.865823
## 3131	115.02541	65.22609	0.518714
## 3132	114.52539	73.62618	0.469207
## 3133	117.45309	74.45727	0.501560
## 3134	138.31798	58.74177	0.386846
## 3135	118.57331	57.89167	0.739819
## 3136	130.04785	68.42522	0.563734
## 3137	118.79324	50.88193	0.659181
## 3138	95.58576	46.44662	0.428519
## 3139	111.65288	50.10638	0.408088
## 3140	115.10362	54.66423	0.503795
## 3141	143.07724	55.21938	0.301789
## 3142	113.03739	55.81829	0.746839
## 3143	114.74442	55.52202	0.547571
## 3144	119.26189	62.43475	0.874248
## 3145	128.40279	53.23935	0.537673
## 3146	137.43932	41.10080	0.318541
## 3147	145.50320	59.79637	0.404978
## 3148	135.88316	43.96397	0.394820
## 3149	142.96318	49.61639	0.365510
## 3150	143.05057	50.91478	0.370363
## 3151	131.44304	52.79594	0.778366
## 3152	121.00916	49.26286	0.315172
## 3153	104.48425	34.82716	0.383380
## 3154	103.82498	51.92397	0.717334
## 3155	118.78553	50.36875	0.297697
## 3156	115.50426	42.10733	0.398076
## 3157	93.73431	46.49857	0.455525
## 3158	119.56535	47.82797	0.823595
## 3159	101.83173	39.98745	0.911038
## 3160	96.11018	36.29272	0.832247
## 3161	117.28252	48.39250	0.901706
## 3162	85.93052	50.24490	0.705097
## 3163	86.96998	44.36895	0.442689
## 3164	79.26196	43.91637	0.344419
## 3165	94.47875	42.48589	0.354511
## 3166	90.81718	59.74603	0.467262

## 3167	93.32478	54.89018	0.482618
## 3168	86.31412	35.21905	0.865869
## 3169	89.70566	35.43750	0.722562
## 3170	87.11034	28.94067	0.850485
## 3171	126.84785	55.75271	0.750110
## 3172	136.51181	49.97687	0.568376
## 3173	132.99236	50.45752	0.717772
## 3174	130.55222	52.85350	0.440717
## 3175	123.28268	64.53606	0.448209
## 3176	112.48201	50.95425	0.834247
## 3177	124.96846	50.07282	0.578997
## 3178	97.66518	38.67741	0.531589
## 3179	101.82721	38.21703	0.560865
## 3180	88.35747	53.15348	0.419042
## 3181	97.27994	42.86367	0.675431
## 3182	100.28196	39.56924	0.646881
## 3183	77.61571	36.87300	0.291704
## 3184	83.83554	43.47774	0.718391
## 3185	82.96932	36.28737	0.594205
## 3186	134.56732	42.67068	0.503704
## 3187	127.56217	47.82478	0.692949
## 3188	110.85024	60.93011	0.419010
## 3189	99.39135	48.50815	0.601500
## 3190	108.51766	61.27465	0.626510
## 3191	119.20851	53.95805	0.621234
## 3192	123.21916	42.31631	0.536052
## 3193	107.95187	51.18270	0.696460
## 3194	111.84456	56.30849	0.871262
## 3195	107.03406	54.08028	0.915054
## 3196	126.21303	52.77919	0.694700
## 3197	123.14893	37.69141	0.824525
## 3198	126.79529	38.23294	0.767996
## 3199	120.27422	34.63380	0.932182
## 3200	116.40364	40.25244	0.804951
## 3201	116.71321	37.84525	0.590199
## 3202	110.80971	35.89252	0.696616
## 3203	121.93952	40.73679	0.785478
## 3204	109.04367	37.02264	0.880311
## 3205	126.36569	38.01559	0.554299
## 3206	115.91385	31.64738	0.770274
## 3207	100.60400	41.22286	0.903764
## 3208	101.74875	52.62083	0.451584
## 3209	112.59726	38.90942	0.479792
## 3210	115.61526	43.38039	0.528133
## 3211	123.26749	42.08473	0.365740
## 3212	141.29198	47.64831	0.570845
## 3213	134.56953	51.67386	0.460622
## 3214	139.83688	70.96780	0.449069
## 3215	125.08556	54.28914	0.717605
## 3216	116.56436	48.37891	0.901961
## 3217	117.98006	41.93428	0.803883
## 3218	97.32715	47.42184	0.726604
## 3219	98.41504	47.21445	0.645189
## 3220	124.49707	35.64031	0.803172

## 3221	127.46339	42.84526	0.936154
## 3222	122.72710	38.30613	0.856664
## 3223	142.70354	48.98854	0.705827
## 3224	115.58978	33.48676	0.952108
## 3225	124.43173	32.74734	0.698784
## 3226	116.65952	44.12016	0.777917
## 3227	119.56363	43.87119	0.862191
## 3228	122.19550	44.75631	0.781992
## 3229	120.06606	44.84303	0.737270
## 3230	119.10757	45.13297	0.792496
## 3231	118.17352	46.55228	0.686510
## 3232	117.56300	45.01114	0.801544
## 3233	105.47119	46.92543	0.640614
## 3234	117.67157	48.04861	0.723389
## 3235	134.01594	43.36008	0.799477
## 3236	143.15254	38.16364	0.808663
## 3237	140.81430	30.99287	0.974366
## 3238	144.23944	27.24330	0.817484
## 3239	143.24008	29.67780	0.972849
## 3240	142.64899	32.04008	0.529318
## 3241	129.21320	44.10909	0.677603
## 3242	142.18269	30.95916	0.817052
## 3243	137.25041	35.18768	0.513032
## 3244	124.86644	50.27143	0.749926
## 3245	137.51602	38.67319	0.818668
## 3246	138.40277	30.73579	0.821858
## 3247	129.40132	32.18094	0.791457
## 3248	104.98607	32.03788	0.661236
## 3249	147.72639	40.68628	0.924328
## 3250	141.65524	50.49102	0.848707
## 3251	160.74260	36.67628	0.580215
## 3252	133.11414	33.36252	0.643690
## 3253	132.99396	35.88742	0.952981
## 3254	129.04719	38.23051	0.545167
## 3255	138.50487	34.86413	0.570116
## 3256	136.89395	35.10469	0.629833
## 3257	129.21799	41.00687	0.821226
## 3258	141.99982	33.61237	0.971657
## 3259	142.96181	38.86358	0.881690
## 3260	135.92636	36.15418	0.572150
## 3261	136.50275	33.61515	0.604892
## 3262	112.80924	32.89016	0.553644
## 3263	133.57280	32.47632	0.519913
## 3264	135.50619	29.77045	0.556380
## 3265	134.01109	33.86441	0.744499
## 3266	137.42973	43.40219	0.452760
## 3267	147.63808	38.55325	0.647112
## 3268	131.24219	37.22149	0.865785
## 3269	104.31660	36.20900	0.600581
## 3270	104.73253	30.91089	0.787812
## 3271	111.21314	32.67917	0.408835
## 3272	116.64992	44.38675	0.804332
## 3273	124.87869	41.28036	0.343905
## 3274	125.81575	32.73483	0.547031

## 3275	132.19461	31.27570	0.509336
## 3276	142.60202	38.28430	0.528069
## 3277	129.67180	33.62899	0.925294
## 3278	142.36911	27.73151	0.691654
## 3279	124.37328	29.41374	0.860532
## 3280	130.93683	32.44223	0.491887
## 3281	144.45737	35.55552	0.596182
## 3282	134.74736	31.33458	0.774313
## 3283	114.61642	32.49747	0.902923
## 3284	124.20220	33.58710	0.655138
## 3285	132.06337	42.66919	0.861709
## 3286	158.55826	38.94603	0.970306
## 3287	137.95694	35.52236	0.508473
## 3288	122.15850	36.24052	0.901377
## 3289	123.92464	35.90118	0.753894
## 3290	122.96331	38.62376	0.659998
## 3291	109.26698	28.43953	0.810714
## 3292	102.54981	36.95644	0.701361
## 3293	140.73483	44.83676	0.761533
## 3294	106.93014	54.19906	0.689550
## 3295	142.75914	47.62595	0.810007
## 3296	135.62114	47.64473	0.727182
## 3297	129.43628	53.64309	0.560619
## 3298	132.58470	44.13037	0.389999
## 3299	135.75116	46.60092	0.502048
## 3300	142.65100	32.96560	0.497774
## 3301	109.72342	30.27297	0.969273
## 3302	109.30956	39.24538	0.463452
## 3303	135.07996	34.98141	0.754312
## 3304	138.62015	47.66876	0.752126
## 3305	154.57466	49.97032	0.432556
## 3306	120.23794	41.39711	0.791077
## 3307	121.44254	43.17356	0.357440
## 3308	131.50224	43.27776	0.707756
## 3309	131.22130	51.41651	0.296586
## 3310	130.99687	57.03275	0.327703
## 3311	128.77216	53.72325	0.793601
## 3312	114.00958	43.52125	0.435601
## 3313	108.63879	60.91024	0.548893
## 3314	107.93737	45.28609	0.352493
## 3315	88.60177	46.91836	0.561893
## 3316	77.41946	44.60102	0.515039
## 3317	87.51708	35.82909	0.895117
## 3318	94.07766	40.93371	0.387829
## 3319	123.90834	62.31297	0.831736
## 3320	91.85655	40.04750	0.794232
## 3321	107.60667	47.87467	0.703596
## 3322	117.03732	64.51379	0.576581
## 3323	154.06717	57.74298	0.473680
## 3324	137.68308	57.86808	0.588799
## 3325	137.67610	56.26561	0.619957
## 3326	126.71133	54.23711	0.596255
## 3327	103.18549	48.94039	0.350897
## 3328	124.33142	48.52326	0.391398

## 3329	118.44441	51.92831	0.488340
## 3330	128.75520	51.22783	0.376497
## 3331	103.99719	64.72824	0.465206
## 3332	128.86624	50.72434	0.409843
## 3333	121.90185	58.94579	0.542717
## 3334	140.37474	61.52138	0.364441
## 3335	121.90174	56.41356	0.527849
## 3336	131.67535	57.31156	0.362025
## 3337	124.98862	46.78942	0.554343
## 3338	121.53946	44.50872	0.361372
## 3339	126.51392	48.82368	0.528572
## 3340	113.02975	63.32406	0.712687
## 3341	110.99256	59.97165	0.646022
## 3342	131.07976	41.88645	0.651092
## 3343	121.58742	33.84871	0.389248
## 3344	134.25562	39.66276	0.700387
## 3345	113.50084	48.70866	0.850767
## 3346	117.28490	47.37679	0.592010
## 3347	98.14745	43.69157	0.399084
## 3348	113.17578	42.30491	0.355559
## 3349	93.44669	45.26597	0.347730
## 3350	83.84800	36.79924	0.448044
## 3351	110.20674	38.33930	0.479166
## 3352	130.49094	54.04480	0.866210
## 3353	151.18961	68.23065	0.471717
## 3354	124.32985	56.11030	0.335459
## 3355	122.36572	58.45950	0.346323
## 3356	121.49473	46.66515	0.779582
## 3357	88.04075	38.59934	0.309913
## 3358	89.32032	31.37617	0.673703
## 3359	109.53915	50.79847	0.489902
## 3360	104.85268	41.36934	0.526192
## 3361	120.63444	64.63109	0.681599
## 3362	118.17519	48.80132	0.532989
## 3363	140.54335	47.13464	0.604751
## 3364	123.79584	63.73028	0.664127
## 3365	119.72690	51.72871	0.635901
## 3366	101.36015	43.06838	0.905063
## 3367	138.75948	61.85748	0.577412
## 3368	121.13774	53.77193	0.753805
## 3369	106.25499	49.45334	0.814978
## 3370	109.42558	60.87993	0.596469
## 3371	131.70885	39.78975	0.555711
## 3372	124.98584	41.16519	0.735341
## 3373	126.33540	50.84956	0.498410
## 3374	129.94894	50.68487	0.581028
## 3375	131.60477	40.26276	0.847803
## 3376	110.36241	49.77277	0.660536
## 3377	124.41702	59.75890	0.727425
## 3378	116.94206	54.40641	0.609164
## 3379	104.09654	55.08719	0.454491
## 3380	130.76555	57.66308	0.660443
## 3381	120.34417	57.48511	0.552809
## 3382	127.76982	59.68588	0.635474

## 3383	122.71487	51.62688	0.622435
## 3384	111.42396	57.19022	0.705271
## 3385	131.29193	42.83448	0.864415
## 3386	126.88869	47.41700	0.791444
## 3387	129.18506	39.85144	0.322203
## 3388	134.25522	43.10387	0.913105
## 3389	115.93268	60.62184	0.845789
## 3390	134.17928	44.18888	0.855665
## 3391	129.54181	39.52142	0.883366
## 3392	85.23407	36.42124	0.894126
## 3393	89.82002	39.76428	0.420042
## 3394	84.70248	52.56086	0.796871
## 3395	101.17048	41.30919	0.890657
## 3396	85.09700	51.00757	0.757490
## 3397	107.81467	54.84750	0.918203
## 3398	93.47398	64.67333	0.433271
## 3399	105.45753	61.74134	0.223287
## 3400	121.68628	53.58810	0.800658
## 3401	118.48887	49.93424	0.897566
## 3402	138.60704	45.06719	0.743414
## 3403	154.98038	41.28847	0.811080
## 3404	127.72450	46.30585	0.477975
## 3405	120.63844	34.61923	0.496323
## 3406	120.47111	35.94814	0.850415
## 3407	93.75663	58.19939	0.461092
## 3408	127.94439	42.36465	0.345451
## 3409	114.22023	42.50295	0.361924
## 3410	122.97295	37.42927	0.842587
## 3411	128.33606	34.69270	0.822013
## 3412	120.88790	34.22181	0.831312
## 3413	117.11273	35.87989	0.745189
## 3414	146.05421	38.10966	0.844161
## 3415	132.54051	37.76354	0.873737
## 3416	149.53281	40.83552	0.925607
## 3417	148.36923	35.90631	0.656918
## 3418	117.37957	25.92782	0.599377
## 3419	120.67902	27.36849	0.865260
## 3420	109.49787	25.43654	0.790472
## 3421	111.21336	32.64193	0.713277
## 3422	126.42793	29.65711	0.732418
## 3423	137.71519	34.36760	0.947453
## 3424	144.82989	44.42891	0.867299
## 3425	143.38512	40.87622	0.472657
## 3426	120.17072	28.47895	0.532643
## 3427	115.71305	24.93623	0.805937
## 3428	112.18390	27.56251	0.531809
## 3429	102.85926	27.23376	0.930370
## 3430	101.81346	29.83917	0.691211
## 3431	108.25082	28.60518	0.959667
## 3432	126.71796	26.77985	0.615261
## 3433	129.00404	29.55049	0.763757
## 3434	127.66943	29.22566	0.647431
## 3435	108.98913	33.95489	0.918599
## 3436	113.27224	31.28520	0.761926

## 3437	104.25759	36.39111	0.846865
## 3438	133.45259	31.17528	0.573562
## 3439	125.48176	33.00915	0.850805
## 3440	115.66333	24.01850	0.615800
## 3441	115.89349	29.77498	0.749358
## 3442	105.81059	34.72594	0.572159
## 3443	120.08680	34.15062	0.879260
## 3444	122.88232	27.49095	0.564407
## 3445	113.15966	35.25589	0.559789
## 3446	87.53828	33.30572	0.721804
## 3447	122.35333	28.58208	0.740154
## 3448	107.92984	41.39524	0.335153
## 3449	99.34607	39.00959	0.748120
## 3450	115.84870	37.98614	0.680942
## 3451	109.24673	55.78899	0.607968
## 3452	133.42444	51.18016	0.490588
## 3453	123.84022	55.39000	0.265382
## 3454	139.98219	57.22845	0.373143
## 3455	114.33361	63.78679	0.430379
## 3456	104.88023	58.39684	0.375710
## 3457	117.73550	59.24655	0.730652
## 3458	124.99187	68.16192	0.620647
## 3459	120.48256	67.10657	0.494038
## 3460	112.01952	58.96566	0.608622
## 3461	87.08021	49.46337	0.509692
## 3462	90.11639	56.66045	0.600471
## 3463	105.87086	62.16635	0.485810
## 3464	87.83613	42.78157	0.603466
## 3465	92.69801	39.34383	0.551231
## 3466	94.71733	37.44704	0.497035
## 3467	87.83810	35.63343	0.452107
## 3468	80.86214	26.03766	0.616200
## 3469	96.37848	38.25694	0.718969
## 3470	96.56774	46.20456	0.624668
## 3471	105.46359	43.02895	0.707391
## 3472	109.19892	49.65436	0.791623
## 3473	100.64488	44.83578	0.637751
## 3474	97.34672	35.38741	0.787978
## 3475	112.53957	43.95291	0.771023
## 3476	78.46956	48.93447	0.720476
## 3477	89.05371	59.86841	0.654373
## 3478	77.32314	38.92823	0.598274
## 3479	128.55006	52.89936	0.774565
## 3480	128.85967	52.65500	0.447195
## 3481	121.78843	49.56388	0.686132
## 3482	126.17440	58.05027	0.567739
## 3483	132.48640	52.07929	0.623857
## 3484	154.51140	52.43641	0.849350
## 3485	130.77168	55.08933	0.358267
## 3486	114.18939	58.93081	0.295451
## 3487	118.51133	42.73241	0.531558
## 3488	129.15221	39.73638	0.802417
## 3489	118.01572	43.75459	0.368949
## 3490	100.13811	51.72178	0.359614

## 3491	104.30128	55.53293	0.320443
## 3492	114.79317	45.97256	0.602739
## 3493	124.03116	46.11606	0.628707
## 3494	123.34077	57.41087	0.875749
## 3495	73.84858	45.66192	0.442849
## 3496	95.80496	49.05586	0.751852
## 3497	98.55679	57.80673	0.227043
## 3498	130.38638	54.15498	0.811841
## 3499	110.35841	51.60251	0.589216
## 3500	112.91822	56.04641	0.728683
## 3501	103.46686	49.97036	0.861885
## 3502	98.65536	46.20234	0.862838
## 3503	129.70175	58.01091	0.358068
## 3504	103.89171	55.76281	0.464030
## 3505	108.36063	49.17339	0.617581
## 3506	131.11499	56.40039	0.811040
## 3507	99.32748	51.63279	0.721637
## 3508	114.74211	45.51432	0.311740
## 3509	111.72367	59.72385	0.256972
## 3510	108.20597	40.87629	0.455431
## 3511	101.84526	43.74591	0.485608
## 3512	110.08100	37.73844	0.478429
## 3513	103.70836	46.91525	0.724473
## 3514	109.15121	43.12696	0.440113
## 3515	105.17111	43.50689	0.503770
## 3516	106.94620	34.51189	0.409210
## 3517	91.79906	46.70960	0.668565
## 3518	97.99330	45.00030	0.432487
## 3519	94.15071	50.90699	0.342460
## 3520	94.37473	40.16874	0.360927
## 3521	123.10586	63.84133	0.476626
## 3522	102.11685	43.10205	0.482943
## 3523	107.48434	48.74636	0.868928
## 3524	115.21381	46.79293	0.450634
## 3525	103.76511	36.88800	0.484934
## 3526	88.51433	40.61892	0.715767
## 3527	95.93272	43.45684	0.360344
## 3528	120.98207	50.60784	0.636666
## 3529	88.98875	35.81379	0.607284
## 3530	87.49532	34.90193	0.413569
## 3531	90.62289	35.80777	0.444714
## 3532	81.63961	35.82809	0.361138
## 3533	69.44062	30.17473	0.639592
## 3534	109.68298	47.21204	0.548938
## 3535	79.74761	18.24745	0.568286
## 3536	77.26681	21.72690	0.823080
## 3537	77.96970	21.67368	0.730587
## 3538	87.41568	30.01680	0.848372
## 3539	85.43893	36.45181	0.751524
## 3540	120.91378	50.97146	0.575183
## 3541	114.79572	48.70446	0.717462
## 3542	126.83968	49.95382	0.440285
## 3543	114.34647	52.61695	0.446683
## 3544	105.18699	44.51572	0.838452

## 3545	117.34734	47.68776	0.584177
## 3546	132.41670	47.46191	0.529345
## 3547	134.02069	46.71407	0.558752
## 3548	120.15808	54.47171	0.701936
## 3549	117.27400	53.56932	0.849875
## 3550	117.86362	49.10382	0.949365
## 3551	98.40480	44.08393	0.342178
## 3552	104.07276	34.24259	0.688878
## 3553	117.98153	43.45543	0.823376
## 3554	128.41332	49.72203	0.936053
## 3555	108.95360	39.86983	0.801657
## 3556	123.93645	34.16241	0.922426
## 3557	131.42058	42.97497	0.917039
## 3558	146.95598	47.56334	0.863162
## 3559	152.06692	46.75210	0.933754
## 3560	151.41232	36.03294	0.784138
## 3561	107.16073	35.63346	0.921107
## 3562	97.86594	40.02320	0.807605
## 3563	127.18323	48.16971	0.888495
## 3564	113.34348	33.22916	0.700217
## 3565	110.62144	37.03541	0.935180
## 3566	120.75181	38.89222	0.658476
## 3567	100.55164	26.85173	0.923481
## 3568	107.97508	31.26683	0.799064
## 3569	106.79793	31.70980	0.934201
## 3570	114.75455	34.35561	0.669276
## 3571	152.47875	43.22133	0.941013
## 3572	152.04469	47.41489	0.695593
## 3573	149.64839	45.28124	0.719913
## 3574	148.95010	31.90819	0.945994
## 3575	143.85736	42.58799	0.890522
## 3576	141.88565	39.87190	0.523626
## 3577	148.14336	38.96034	0.945611
## 3578	142.84543	54.42011	0.656214
## 3579	147.00342	43.35501	0.903942
## 3580	135.38725	35.30307	0.709056
## 3581	133.72801	40.99582	0.948439
## 3582	149.63322	35.79970	0.688127
## 3583	149.51837	41.30814	0.779376
## 3584	130.30400	55.70528	0.814789
## 3585	147.54196	40.75880	0.723915
## 3586	145.19933	37.03072	0.950295
## 3587	148.96303	40.13359	0.924356
## 3588	115.28097	54.80036	0.734128
## 3589	142.24291	42.12212	0.932570
## 3590	149.29700	38.88843	0.815786
## 3591	131.77713	38.41184	0.963605
## 3592	114.09753	31.09178	0.719523
## 3593	108.04534	27.12049	0.973465
## 3594	106.94954	31.42237	0.649855
## 3595	107.94894	26.95098	0.943513
## 3596	112.25555	26.48529	0.725311
## 3597	117.06264	39.40659	0.893478
## 3598	114.82165	31.68811	0.818006

## 3599	108.12920	30.67452	0.948989
## 3600	115.44389	29.83479	0.773672
## 3601	128.93149	44.15236	0.884844
## 3602	158.85284	41.18956	0.730675
## 3603	109.41139	31.83713	0.927950
## 3604	110.10370	25.69012	0.669188
## 3605	101.89098	40.89863	0.331853
## 3606	88.04911	35.53758	0.712573
## 3607	99.95888	44.66445	0.514361
## 3608	93.78560	49.09287	0.468912
## 3609	89.22756	47.42120	0.506137
## 3610	107.24998	44.02249	0.385577
## 3611	101.97542	31.98078	0.734007
## 3612	85.68825	42.43496	0.563668
## 3613	118.30586	48.69355	0.666237
## 3614	118.87125	45.25678	0.491842
## 3615	122.30122	53.27362	0.370801
## 3616	127.26630	58.52504	0.502919
## 3617	126.87750	54.66735	0.303641
## 3618	151.53409	44.28707	0.750087
## 3619	111.48063	48.63745	0.544843
## 3620	144.91345	50.00901	0.890875
## 3621	98.89066	46.72532	0.342249
## 3622	117.15288	55.99569	0.312629
## 3623	114.12949	53.57936	0.623759
## 3624	135.10118	53.86737	0.327276
## 3625	118.40346	57.00318	0.768060
## 3626	118.65239	65.57311	0.407550
## 3627	99.91093	61.38516	0.672409
## 3628	111.68658	57.75280	0.647256
## 3629	97.09881	61.81916	0.303692
## 3630	126.31514	74.68573	0.719879
## 3631	103.69576	66.78843	0.589880
## 3632	117.85691	59.32288	0.510418
## 3633	134.11943	64.65984	0.690929
## 3634	109.45843	69.76809	0.414170
## 3635	108.54669	59.89228	0.609270
## 3636	107.80543	53.65787	0.627846
## 3637	116.55683	39.05541	0.623426
## 3638	125.81396	41.25279	0.533538
## 3639	122.61741	61.47493	0.476891
## 3640	109.06776	53.72665	0.339454
## 3641	111.26605	65.26347	0.346701
## 3642	105.49777	49.22123	0.776766
## 3643	101.23025	58.14535	0.311566
## 3644	119.25221	55.50648	0.666218
## 3645	119.61800	43.11344	0.487578
## 3646	118.55772	44.94039	0.525548
## 3647	100.40242	55.16999	0.683448
## 3648	115.51882	60.36506	0.532950
## 3649	116.72478	48.85080	0.603358
## 3650	80.66664	47.37576	0.685513
## 3651	126.40906	50.66459	0.552989
## 3652	101.32570	52.25407	0.661754

## 3653	129.58124	47.22319	0.725983
## 3654	142.84256	59.80332	0.657414
## 3655	140.30914	53.64873	0.815857
## 3656	105.71085	41.90395	0.642832
## 3657	122.10300	58.57173	0.637838
## 3658	130.63782	53.62616	0.509264
## 3659	107.74063	61.22967	0.386058
## 3660	105.64060	49.74637	0.680042
## 3661	107.72903	48.47978	0.677581
## 3662	102.62873	54.75422	0.682633
## 3663	91.50228	34.89227	0.519037
## 3664	100.78111	54.14109	0.539705
## 3665	99.40634	50.52445	0.541088
## 3666	98.27531	61.22051	0.492776
## 3667	98.65707	54.46661	0.231689
## 3668	102.61749	52.11626	0.361377
## 3669	95.62237	37.40272	0.409790
## 3670	86.79475	31.11725	0.479937
## 3671	87.71039	39.08813	0.388174
## 3672	94.06188	35.92057	0.486958
## 3673	103.16893	39.33460	0.316310
## 3674	103.08263	38.59190	0.919426
## 3675	82.17014	43.53622	0.845397
## 3676	113.08785	45.19717	0.854357
## 3677	108.33433	42.83158	0.886862
## 3678	97.51352	36.09178	0.894185
## 3679	90.55482	32.06221	0.420244
## 3680	71.20812	40.38386	0.797393
## 3681	109.54294	41.39555	0.889189
## 3682	93.27204	46.03995	0.756740
## 3683	93.07137	37.96812	0.805477
## 3684	111.32242	50.32191	0.837989
## 3685	112.47800	52.08981	0.780856
## 3686	112.24155	56.22375	0.688810
## 3687	109.28662	48.77720	0.885819
## 3688	119.01891	31.57560	0.339999
## 3689	127.07866	35.33898	0.586410
## 3690	120.41271	30.98511	0.639369
## 3691	117.26663	37.48524	0.856100
## 3692	120.31183	37.51274	0.645647
## 3693	121.22454	46.95617	0.954578
## 3694	121.86264	46.12210	0.350752
## 3695	126.99925	39.39216	0.737102
## 3696	121.33056	36.20591	0.915733
## 3697	144.06296	42.52601	0.696615
## 3698	129.05415	32.50442	0.969367
## 3699	145.02118	35.80853	0.732214
## 3700	142.55763	41.57297	0.924738
## 3701	145.98230	42.37706	0.602855
## 3702	98.06480	33.10852	0.856202
## 3703	101.05685	32.18531	0.929069
## 3704	103.01952	39.82027	0.793136
## 3705	100.93479	34.01486	0.933286
## 3706	109.50510	27.34861	0.786233

## 3707	112.84298	34.55102	0.960462
## 3708	123.20609	33.59050	0.541885
## 3709	119.89102	36.65413	0.922725
## 3710	130.85918	50.09380	0.746481
## 3711	150.16115	44.74940	0.902039
## 3712	155.45299	37.84468	0.944630
## 3713	149.30150	34.47291	0.690731
## 3714	145.01747	36.92278	0.881808
## 3715	147.98439	36.33391	0.949559
## 3716	139.00540	42.87750	0.704178
## 3717	153.37466	41.34177	0.587132
## 3718	139.70493	39.14180	0.916944
## 3719	148.78117	35.68171	0.673612
## 3720	148.27603	39.73368	0.954745
## 3721	121.67709	54.62981	0.686609
## 3722	99.91183	30.00729	0.927948
## 3723	91.81232	38.74201	0.726185
## 3724	127.83948	46.73334	0.899618
## 3725	117.38466	36.58234	0.745103
## 3726	95.56448	53.26717	0.327807
## 3727	88.85156	48.95401	0.725417
## 3728	109.06639	66.99524	0.353789
## 3729	102.49204	56.35340	0.289035
## 3730	119.65093	60.68401	0.528710
## 3731	130.89316	52.16949	0.803759
## 3732	107.38994	51.26653	0.390569
## 3733	93.07878	52.64365	0.372101
## 3734	108.98303	67.36459	0.336849
## 3735	107.22502	50.33225	0.603005
## 3736	108.54735	45.28263	0.620795
## 3737	137.76990	70.36059	0.875532
## 3738	117.06368	67.54811	0.446176
## 3739	86.24553	45.03883	0.756082
## 3740	105.07563	53.66003	0.224195
## 3741	121.00813	52.05418	0.812882
## 3742	96.13763	50.94207	0.585792
## 3743	101.34061	47.34242	0.641869
## 3744	118.98638	50.69652	0.858049
## 3745	111.27608	60.71979	0.689870
## 3746	119.34966	69.17545	0.715685
## 3747	123.55201	64.99460	0.707096
## 3748	115.19945	47.51036	0.699705
## 3749	120.45070	52.66637	0.833756
## 3750	116.58484	57.61788	0.638201
## 3751	116.02418	58.79733	0.395477
## 3752	99.18772	41.79707	0.737768
## 3753	120.81417	48.31374	0.614066
## 3754	142.54080	60.25897	0.627212
## 3755	115.50748	59.05714	0.541943
## 3756	106.55692	49.08765	0.716316
## 3757	122.27966	53.98033	0.747962
## 3758	116.81695	38.58581	0.747564
## 3759	95.24578	35.12702	0.477814
## 3760	93.50777	48.98272	0.800922

## 3761	110.01379	52.03842	0.863287
## 3762	117.68232	49.57087	0.364293
## 3763	91.95084	46.52709	0.463190
## 3764	97.10005	42.87611	0.635621
## 3765	98.18128	44.10074	0.817526
## 3766	108.78464	49.21571	0.731848
## 3767	106.16779	30.81043	0.310410
## 3768	98.70160	43.49330	0.255250
## 3769	109.56419	42.32487	0.453767
## 3770	96.45729	45.36605	0.482856
## 3771	132.04111	36.77420	0.539529
## 3772	141.59093	45.98264	0.317925
## 3773	133.52965	54.24422	0.406503
## 3774	139.58626	50.63235	0.397152
## 3775	151.84915	53.11396	0.351234
## 3776	112.37904	49.68372	0.375780
## 3777	120.75683	46.54924	0.778481
## 3778	106.09424	38.58593	0.310052
## 3779	118.59713	54.28862	0.380525
## 3780	111.55912	54.82240	0.714838
## 3781	111.60986	41.35554	0.298165
## 3782	113.24383	40.01313	0.397306
## 3783	119.75010	67.62165	0.415567
## 3784	116.61734	41.82483	0.474284
## 3785	103.27426	42.70155	0.725221
## 3786	109.47576	42.03773	0.437465
## 3787	111.28455	37.27034	0.502108
## 3788	113.11715	37.57568	0.408700
## 3789	109.15848	39.69957	0.613936
## 3790	111.79359	52.07808	0.914780
## 3791	118.98761	43.49318	0.574066
## 3792	127.28941	47.25187	0.752796
## 3793	126.29073	44.24576	0.816497
## 3794	110.80638	48.83921	0.596463
## 3795	137.10548	38.42966	0.553013
## 3796	131.45798	45.12276	0.733724
## 3797	137.82129	50.37616	0.493230
## 3798	128.99568	46.50023	0.583047
## 3799	134.88376	52.33293	0.844912
## 3800	113.35449	54.16623	0.665074
## 3801	115.37977	52.13344	0.727698
## 3802	109.85680	48.28538	0.622409
## 3803	121.63728	64.21162	0.449236
## 3804	119.05205	53.86963	0.652804
## 3805	114.55781	53.24956	0.557154
## 3806	113.52071	53.29488	0.635672
## 3807	116.84142	45.14317	0.623212
## 3808	121.96789	58.62716	0.704408
## 3809	136.18533	47.16053	0.869473
## 3810	135.13882	50.34597	0.790805
## 3811	127.15477	48.00022	0.893763
## 3812	117.61507	44.37245	0.344165
## 3813	119.71428	57.22281	0.612971
## 3814	143.90477	43.48611	0.870259

## 3815	112.95951	29.22717	0.938174
## 3816	113.54207	27.64865	0.912556
## 3817	105.53829	23.22370	0.682873
## 3818	112.06796	31.24659	0.933949
## 3819	102.17240	27.62778	0.843963
## 3820	110.87453	34.11795	0.814553
## 3821	105.95610	30.96861	0.833791
## 3822	102.77896	28.89486	0.800610
## 3823	128.64200	38.49961	0.937376
## 3824	140.09010	39.71536	0.711759
## 3825	144.59718	44.66414	0.839947
## 3826	149.26209	38.71058	0.642517
## 3827	143.48225	46.81054	0.862055
## 3828	149.61543	36.51727	0.703877
## 3829	140.97644	34.03657	0.792966
## 3830	142.32716	35.14384	0.689602
## 3831	118.97982	32.18963	0.841637
## 3832	109.07809	28.82678	0.633425
## 3833	107.29195	29.94732	0.868298
## 3834	90.03525	32.66128	0.638931
## 3835	115.79995	30.70678	0.863637
## 3836	118.54054	35.08031	0.768959
## 3837	102.40131	33.12350	0.834023
## 3838	94.55769	33.53124	0.834853
## 3839	97.75754	36.71586	0.889202
## 3840	109.82215	25.96801	0.735322
## 3841	114.87679	35.69064	0.946572
## 3842	106.78516	30.61152	0.921742
## 3843	138.26677	48.34771	0.612732
## 3844	146.21750	36.08839	0.428970
## 3845	134.50755	36.39469	0.743791
## 3846	131.93613	44.55861	0.884256
## 3847	140.86905	34.89697	0.633931
## 3848	129.11604	39.87716	0.875663
## 3849	139.11688	36.92395	0.595556
## 3850	132.03537	35.60254	0.581120
## 3851	107.37544	25.43466	0.801070
## 3852	102.66031	27.12422	0.857631
## 3853	122.60299	39.99014	0.689887
## 3854	128.00780	45.42165	0.537568
## 3855	135.50746	43.61379	0.851552
## 3856	123.78808	44.72921	0.813279
## 3857	96.21690	35.77731	0.906372
## 3858	99.98116	35.68586	0.730654
## 3859	90.69923	36.41689	0.684070
## 3860	92.11859	39.33702	0.330597
## 3861	103.36132	48.43630	0.783026
## 3862	110.74488	42.69331	0.128790
## 3863	104.59277	49.18543	0.329154
## 3864	86.26844	43.86559	0.474273
## 3865	98.91129	58.20070	0.607559
## 3866	114.60699	55.44752	0.530601
## 3867	117.91076	48.41675	0.663297
## 3868	97.24972	53.74553	0.348033

## 3869	122.00348	65.23078	0.547908
## 3870	117.27304	60.63903	0.631267
## 3871	115.63180	51.28847	0.511242
## 3872	98.52455	47.30688	0.490427
## 3873	121.09335	55.61583	0.480658
## 3874	105.72697	53.57924	0.080868
## 3875	110.16540	58.42414	0.302907
## 3876	114.52502	54.66566	0.236034
## 3877	132.18646	50.59071	0.269613
## 3878	128.51433	55.89551	0.396119
## 3879	136.80678	67.68345	0.387817
## 3880	103.47327	53.85688	0.491834
## 3881	120.18354	48.15314	0.481471
## 3882	127.97214	52.58848	0.789620
## 3883	114.60432	61.18277	0.563321
## 3884	111.77557	61.21291	0.460543
## 3885	96.52231	46.12890	0.369331
## 3886	110.72232	55.54606	0.580921
## 3887	115.35302	46.93597	0.503260
## 3888	107.59502	60.76368	0.439536
## 3889	116.10774	61.82420	0.442643
## 3890	113.16798	51.12693	0.615189
## 3891	101.79515	55.85371	0.714010
## 3892	125.08923	62.87163	0.494816
## 3893	107.46603	50.74771	0.524246
## 3894	106.50219	54.25703	0.712582
## 3895	123.98790	45.63793	0.685612
## 3896	114.89485	46.38428	0.795783
## 3897	125.50008	58.09882	0.864418
## 3898	95.32603	49.08980	0.469753
## 3899	105.17125	52.18778	0.333941
## 3900	99.84782	55.95103	0.332755
## 3901	124.24998	49.75994	0.773191
## 3902	119.34005	52.99874	0.306178
## 3903	107.73682	46.26761	0.661763
## 3904	125.23513	44.21801	0.489631
## 3905	127.65636	50.51210	0.522906
## 3906	123.50254	63.10641	0.683593
## 3907	128.29256	48.45198	0.598679
## 3908	106.30987	69.35603	0.686768
## 3909	121.38068	50.99034	0.555424
## 3910	101.00591	49.75155	0.662952
## 3911	116.80714	49.18470	0.719177
## 3912	80.53779	38.54306	0.659975
## 3913	80.74138	34.22041	0.812498
## 3914	111.77779	50.90223	0.650454
## 3915	102.69987	51.65820	0.640380
## 3916	111.64580	49.24185	0.510810
## 3917	89.01945	44.05640	0.386899
## 3918	90.24960	39.37572	0.672495
## 3919	88.67408	35.41267	0.679237
## 3920	75.38169	36.12485	0.678030
## 3921	102.92527	39.08051	0.518157
## 3922	113.40037	42.51453	0.537951

## 3923	97.22925	46.37694	0.527908
## 3924	95.82291	51.36012	0.483164
## 3925	99.01231	49.61807	0.228946
## 3926	86.54572	35.87069	0.343917
## 3927	111.55483	44.93095	0.358465
## 3928	103.13583	48.37375	0.469598
## 3929	102.35486	56.15942	0.390848
## 3930	105.74461	37.95408	0.488561
## 3931	81.28363	36.27745	0.368412
## 3932	76.38652	38.58258	0.264177
## 3933	75.18559	38.72660	0.328480
## 3934	89.43638	42.68288	0.408063
## 3935	70.81836	42.19342	0.358012
## 3936	115.41679	45.36620	0.579652
## 3937	115.44459	49.00975	0.413980
## 3938	112.14562	50.07717	0.674666
## 3939	103.14203	36.30306	0.643702
## 3940	100.63325	47.64234	0.291187
## 3941	95.25691	45.99150	0.717727
## 3942	103.55257	50.91627	0.586432
## 3943	125.69026	43.01716	0.509786
## 3944	139.73352	50.00559	0.696353
## 3945	118.12766	54.36930	0.421503
## 3946	106.94217	53.47730	0.604154
## 3947	98.72069	54.01321	0.625736
## 3948	118.98033	54.47395	0.623353
## 3949	121.47479	41.42081	0.532967
## 3950	112.53776	44.91217	0.378296
## 3951	104.04858	66.33356	0.355805
## 3952	104.58127	65.58702	0.498808
## 3953	96.07484	57.82123	0.552891
## 3954	112.25786	53.72745	0.369266
## 3955	128.29184	65.77266	0.464997
## 3956	124.42735	68.44013	0.699416
## 3957	141.33058	63.40998	0.341206
## 3958	139.18529	62.54252	0.736832
## 3959	99.79617	66.30238	0.531159
## 3960	93.65556	52.54454	0.476365
## 3961	58.92238	28.77117	0.400412
## 3962	80.81279	60.88012	0.462555
## 3963	75.86487	28.81225	0.605810
## 3964	87.45695	50.03226	0.368207
## 3965	73.21883	23.90729	0.511772
## 3966	89.81284	46.61217	0.509955
## 3967	100.16287	44.21671	0.938916
## 3968	92.87636	40.88826	0.650058
## 3969	88.89449	37.74567	0.856828
## 3970	86.56739	35.43715	0.933254
## 3971	145.22392	60.13446	0.650618
## 3972	127.72958	52.09172	0.494362
## 3973	113.07415	50.44230	0.384143
## 3974	129.30212	49.00183	0.536889
## 3975	137.37595	66.67899	0.615917
## 3976	126.20260	50.11166	0.892146

## 3977	129.79719	59.26953	0.662217
## 3978	144.06255	45.88349	0.948975
## 3979	131.41164	40.28077	0.788889
## 3980	127.00269	47.42548	0.433546
## 3981	132.57407	56.65116	0.425570
## 3982	108.57680	34.45314	0.748378
## 3983	123.38473	35.41174	0.852976
## 3984	133.86566	41.09659	0.948681
## 3985	132.06636	45.47525	0.872392
## 3986	133.35538	41.63440	0.965114
## 3987	134.87613	41.21890	0.568120
## 3988	118.29552	50.79527	0.723779
## 3989	132.36916	39.99683	0.872085
## 3990	129.89821	43.59924	0.772745
## 3991	131.58441	42.16837	0.848470
## 3992	110.62593	58.59177	0.727632
## 3993	123.96899	47.43224	0.571541
## 3994	120.05377	40.55246	0.668252
## 3995	99.06953	38.65175	0.905719
## 3996	150.73116	40.75808	0.852782
## 3997	148.30667	40.08508	0.940801
## 3998	152.64439	39.71234	0.519532
## 3999	151.58887	42.80126	0.974691
## 4000	149.67297	39.53135	0.804578
## 4001	134.54144	50.83258	0.782404
## 4002	142.17896	37.21140	0.820106
## 4003	117.71081	41.16442	0.748050
## 4004	104.87111	38.80722	0.810261
## 4005	106.86079	35.67904	0.877652
## 4006	120.15756	47.86095	0.889789
## 4007	148.64508	51.42802	0.730231
## 4008	154.85747	44.32716	0.931738
## 4009	145.98872	40.16487	0.676949
## 4010	148.21536	42.88066	0.954709
## 4011	125.96283	40.62415	0.803626
## 4012	104.89034	31.85839	0.954188
## 4013	105.87241	29.71461	0.802705
## 4014	109.92102	29.83318	0.432232
## 4015	107.61066	29.63868	0.755118
## 4016	115.77494	35.31349	0.412672
## 4017	114.31889	32.25747	0.683050
## 4018	114.87117	31.47113	0.464100
## 4019	113.36238	30.41157	0.639488
## 4020	102.09161	28.45211	0.503643
## 4021	109.33813	30.97524	0.646619
## 4022	110.25459	28.84387	0.616945
## 4023	116.08398	36.86087	0.703719
## 4024	99.96768	37.72876	0.391944
## 4025	116.38937	35.88152	0.646363
## 4026	123.46053	34.58843	0.430204
## 4027	119.98019	27.22213	0.692582
## 4028	113.96711	32.50078	0.522042
## 4029	120.64464	32.18324	0.730275
## 4030	115.58939	46.83919	0.440916

## 4031	140.01073	45.77636	0.717161
## 4032	141.57636	46.10331	0.952563
## 4033	105.45815	27.83812	0.702887
## 4034	102.04165	26.59551	0.608646
## 4035	108.54787	22.86520	0.758152
## 4036	110.26122	24.87174	0.965687
## 4037	112.22965	26.49079	0.781562
## 4038	98.01813	43.75366	0.824582
## 4039	113.21259	25.58177	0.742772
## 4040	127.70643	31.14178	0.741169
## 4041	131.35449	44.10790	0.830544
## 4042	137.00153	31.33859	0.736432
## 4043	136.61745	38.62606	0.829538
## 4044	147.41260	30.11556	0.740038
## 4045	133.19711	50.48412	0.729982
## 4046	138.84212	34.89086	0.708099
## 4047	135.75687	34.36028	0.662762
## 4048	111.40472	43.01173	0.377690
## 4049	138.54622	62.79256	0.327195
## 4050	131.55963	56.36162	0.812130
## 4051	120.60288	56.81776	0.477883
## 4052	112.15987	52.36504	0.702238
## 4053	109.16949	41.47434	0.497894
## 4054	102.16681	58.02860	0.630783
## 4055	110.05734	50.48409	0.592963
## 4056	99.50261	61.43617	0.607270
## 4057	99.70155	52.29475	0.549144
## 4058	75.91612	44.42388	0.515932
## 4059	93.20406	45.48857	0.626309
## 4060	72.29840	39.81105	0.558598
## 4061	138.22623	77.28733	0.476646
## 4062	81.56833	35.82352	0.471456
## 4063	92.47739	36.42324	0.519891
## 4064	99.22360	43.82168	0.400412
## 4065	83.78069	48.35739	0.345583
## 4066	95.00773	52.49388	0.495502
## 4067	91.70489	52.26542	0.428932
## 4068	87.93254	46.45542	0.540269
## 4069	72.97696	43.54338	0.312770
## 4070	80.03823	45.83397	0.565154
## 4071	82.64420	46.31697	0.580677
## 4072	86.34201	43.97438	0.620131
## 4073	98.49776	49.39033	0.561143
## 4074	86.75565	48.00522	0.846941
## 4075	89.07558	49.98591	0.476239
## 4076	70.47892	39.96251	0.386685
## 4077	59.21844	27.94852	0.389565
## 4078	75.96534	42.19896	0.504748
## 4079	78.81539	39.97150	0.696214
## 4080	95.12579	39.35349	0.806934
## 4081	119.52549	50.04720	0.738455
## 4082	127.21842	49.76175	0.716991
## 4083	133.84505	65.16688	0.607720
## 4084	111.54702	56.74717	0.474484

## 4085	93.02088	46.02181	0.428549
## 4086	120.95559	68.28037	0.688563
## 4087	112.82688	63.48595	0.396124
## 4088	96.61136	56.79004	0.308805
## 4089	111.25041	54.64749	0.589587
## 4090	108.42591	56.32853	0.558118
## 4091	121.20624	61.78511	0.404036
## 4092	120.11938	68.70457	0.398446
## 4093	112.34579	61.83100	0.230330
## 4094	98.61134	57.77300	0.267650
## 4095	136.64014	73.61419	0.605012
## 4096	99.84766	55.87233	0.391054
## 4097	89.12622	45.92005	0.450717
## 4098	101.24985	48.12073	0.291002
## 4099	105.03741	46.88689	0.607394
## 4100	87.30626	42.26516	0.300260
## 4101	86.90705	37.73610	0.487414
## 4102	93.69025	54.45717	0.551925
## 4103	86.47918	44.74013	0.568880
## 4104	95.00316	49.54095	0.504022
## 4105	101.05293	28.76691	0.511270
## 4106	75.03575	43.04723	0.629668
## 4107	79.97828	35.47964	0.603743
## 4108	100.26601	45.74511	0.574035
## 4109	106.60599	41.16481	0.873651
## 4110	86.63219	44.13085	0.563955
## 4111	96.06654	56.14267	0.391203
## 4112	104.06561	50.39618	0.353754
## 4113	106.69644	57.17315	0.344148
## 4114	101.77206	50.11570	0.466577
## 4115	115.50398	52.71367	0.476204
## 4116	111.68949	49.63775	0.863972
## 4117	112.86201	48.50273	0.318123
## 4118	110.31162	44.31548	0.920435
## 4119	80.92548	39.29747	0.847304
## 4120	91.69862	30.88668	0.852492
## 4121	114.23324	48.34421	0.884427
## 4122	84.70307	36.65790	0.899169
## 4123	91.85561	42.68936	0.421999
## 4124	86.99730	56.35709	0.794760
## 4125	104.46558	44.70344	0.890698
## 4126	89.72226	54.35450	0.784080
## 4127	111.47935	53.37534	0.804699
## 4128	113.89394	47.37746	0.837872
## 4129	120.98832	31.80627	0.778744
## 4130	132.97873	42.64263	0.687563
## 4131	120.43542	32.62261	0.890650
## 4132	124.09399	28.75159	0.342015
## 4133	112.03445	38.79416	0.584509
## 4134	128.88419	44.33882	0.635671
## 4135	116.62242	47.32580	0.854094
## 4136	125.59233	39.15358	0.646245
## 4137	142.40527	45.21349	0.852178
## 4138	106.85664	41.81012	0.358485

## 4139	93.41845	52.82884	0.461557
## 4140	117.25781	54.51891	0.618766
## 4141	114.88167	49.09483	0.821022
## 4142	122.95038	42.46835	0.725468
## 4143	109.89014	38.47055	0.311448
## 4144	105.18536	39.93951	0.257517
## 4145	100.70141	42.47345	0.450132
## 4146	121.28822	53.82858	0.476391
## 4147	101.42751	42.13280	0.869033
## 4148	95.74322	32.97067	0.358697
## 4149	113.79591	42.28312	0.739429
## 4150	116.61029	35.52376	0.587616
## 4151	123.55405	42.82958	0.740747
## 4152	123.94585	36.04537	0.415924
## 4153	104.64637	34.43609	0.518563
## 4154	134.49687	47.93475	0.441155
## 4155	128.21860	49.85668	0.608171
## 4156	131.61694	39.15236	0.715715
## 4157	130.71783	42.63913	0.782540
## 4158	125.14631	47.44690	0.757861
## 4159	80.11937	36.51995	0.870926
## 4160	88.48052	33.23835	0.554580
## 4161	93.60230	32.35677	0.699912
## 4162	94.29761	44.11995	0.790830
## 4163	109.85806	39.52768	0.872187
## 4164	141.70277	41.04794	0.840186
## 4165	140.13933	44.38566	0.670319
## 4166	136.64670	43.12675	0.699878
## 4167	134.46616	36.63963	0.369478
## 4168	93.34993	40.08231	0.635103
## 4169	88.26776	36.50152	0.718170
## 4170	101.97201	33.18850	0.754909
## 4171	130.61261	66.10429	0.572636
## 4172	144.45862	51.52190	0.762339
## 4173	127.30388	40.90944	0.459029
## 4174	125.95718	49.88392	0.598549
## 4175	96.83513	45.67109	0.306989
## 4176	115.25610	33.77667	0.381378
## 4177	109.55210	44.16191	0.520888
## 4178	113.17019	50.84674	0.782457
## 4179	137.76914	48.97160	0.486573
## 4180	143.24283	43.50306	0.740092
## 4181	137.77065	46.45222	0.773620
## 4182	131.36496	48.44565	0.837998
## 4183	122.71584	51.81275	0.760025
## 4184	128.80598	43.13533	0.917164
## 4185	117.18160	38.34038	0.893185
## 4186	147.10754	45.67918	0.672795
## 4187	145.22459	40.99660	0.935877
## 4188	152.38066	41.04799	0.738568
## 4189	155.68706	41.66410	0.938373
## 4190	146.42387	45.48482	0.799676
## 4191	142.26874	41.52443	0.808993
## 4192	109.93282	42.39578	0.758939

## 4193	96.83421	26.23124	0.745813
## 4194	134.60875	30.22017	0.742556
## 4195	143.44350	36.46469	0.733069
## 4196	142.11357	36.09029	0.750847
## 4197	129.99257	45.06812	0.778315
## 4198	138.06729	38.04708	0.939367
## 4199	145.66350	33.28790	0.717463
## 4200	110.04402	27.64758	0.968771
## 4201	104.27737	28.70174	0.734818
## 4202	110.18984	30.70598	0.766901
## 4203	104.57697	31.63787	0.928392
## 4204	104.99213	36.34245	0.571814
## 4205	139.78436	38.14568	0.854232
## 4206	118.29292	39.66761	0.883968
## 4207	106.37534	36.60001	0.708892
## 4208	143.11412	43.91399	0.913291
## 4209	131.62404	39.89979	0.632063
## 4210	108.56292	31.92863	0.918071
## 4211	108.39478	40.66488	0.608450
## 4212	106.31599	43.44253	0.853622
## 4213	100.05482	26.51913	0.830630
## 4214	109.68232	29.76366	0.933825
## 4215	104.22832	29.44963	0.697265
## 4216	107.80615	43.46173	0.871057
## 4217	111.76572	29.18698	0.773564
## 4218	110.40492	29.78354	0.932089
## 4219	103.01795	26.30373	0.679654
## 4220	99.37517	28.05953	0.927098
## 4221	108.98611	27.54012	0.740823
## 4222	107.87367	29.71958	0.948334
## 4223	105.31902	34.48762	0.703125
## 4224	114.50851	30.56631	0.946765
## 4225	111.87422	28.15173	0.746499
## 4226	105.95994	32.81976	0.917338
## 4227	110.17658	34.50670	0.696973
## 4228	87.34714	35.94307	0.325172
## 4229	93.83407	35.78716	0.796121
## 4230	91.48373	49.47452	0.502240
## 4231	113.52180	66.17317	0.469772
## 4232	139.20984	63.43613	0.488269
## 4233	125.35487	51.06157	0.376483
## 4234	101.49416	32.73057	0.738827
## 4235	90.93523	43.40789	0.570374
## 4236	110.81664	40.32703	0.657256
## 4237	109.52980	39.47018	0.482979
## 4238	90.92419	36.41777	0.370768
## 4239	106.51544	54.22827	0.501327
## 4240	82.52229	35.54966	0.299654
## 4241	115.84454	54.25985	0.747156
## 4242	130.35020	46.36689	0.537675
## 4243	122.51523	49.50660	0.887613
## 4244	140.05617	49.97139	0.715150
## 4245	112.82340	56.53526	0.843016
## 4246	116.64827	62.61386	0.745819

## 4247	112.45039	56.95654	0.576003
## 4248	116.28128	60.76688	0.731389
## 4249	113.11474	62.73695	0.441619
## 4250	112.69164	63.02388	0.443706
## 4251	132.26337	64.59628	0.845643
## 4252	116.97932	57.52157	0.583021
## 4253	134.57927	51.31137	0.527002
## 4254	129.86246	46.79384	0.562026
## 4255	115.60555	52.53512	0.737114
## 4256	127.49451	56.21154	0.797156
## 4257	114.99860	60.46830	0.434228
## 4258	90.58375	42.66114	0.672064
## 4259	95.90370	36.73322	0.646225
## 4260	90.84066	47.63124	0.300089
## 4261	85.66443	45.43505	0.719756
## 4262	80.66516	41.77782	0.586672
## 4263	100.81560	42.29976	0.506865
## 4264	105.71920	45.87903	0.690852
## 4265	82.37147	41.19497	0.394090
## 4266	87.86567	27.78305	0.601845
## 4267	121.05364	57.43137	0.625654
## 4268	127.63731	51.26578	0.622019
## 4269	131.18013	43.13401	0.535408
## 4270	117.73618	48.16519	0.470522
## 4271	122.76988	49.23103	0.723164
## 4272	116.95530	50.92689	0.436382
## 4273	113.91436	50.77588	0.502252
## 4274	110.99508	39.27871	0.406905
## 4275	80.77924	46.30762	0.514326
## 4276	95.61272	45.88819	0.387621
## 4277	92.71919	49.38208	0.347449
## 4278	110.75949	39.99544	0.776110
## 4279	105.18572	43.48325	0.307543
## 4280	116.02700	43.70791	0.663557
## 4281	103.99168	38.40859	0.485383
## 4282	104.85387	35.53335	0.518175
## 4283	126.26438	59.88676	0.683689
## 4284	104.07350	39.14770	0.530220
## 4285	114.16600	45.82192	0.602423
## 4286	100.06331	54.40538	0.708730
## 4287	109.35101	56.18681	0.279237
## 4288	123.40491	50.28653	0.304091
## 4289	117.32074	61.25148	0.617637
## 4290	141.00548	61.94228	0.325567
## 4291	129.65718	47.76126	0.762042
## 4292	86.71801	35.79414	0.549956
## 4293	82.02138	51.62732	0.465722
## 4294	121.47037	60.79963	0.366991
## 4295	120.73397	62.43248	0.576036
## 4296	124.48362	53.41048	0.503412
## 4297	116.88699	63.53573	0.432858
## 4298	87.93507	48.60574	0.446776
## 4299	111.41222	50.72376	0.610707
## 4300	93.21675	57.20890	0.716366

## 4301	124.50096	66.92083	0.491380
## 4302	121.89293	59.52760	0.520035
## 4303	109.56539	46.67119	0.709236
## 4304	116.90971	40.91566	0.685435
## 4305	121.99557	52.18165	0.795768
## 4306	119.82886	54.19923	0.860342
## 4307	123.69059	64.09208	0.364609
## 4308	99.79797	51.36247	0.288122
## 4309	111.42604	53.66954	0.528059
## 4310	128.58635	53.81446	0.805435
## 4311	106.34663	49.45357	0.389874
## 4312	95.39813	49.35269	0.371538
## 4313	95.63226	52.09385	0.329531
## 4314	122.84408	47.36214	0.604116
## 4315	114.68657	41.87109	0.625528
## 4316	108.31023	57.02595	0.877775
## 4317	103.55542	58.18831	0.445632
## 4318	117.32703	65.96985	0.776414
## 4319	94.52120	55.33179	0.223175
## 4320	120.19847	47.46618	0.812769
## 4321	140.67403	55.64516	0.585147
## 4322	111.42804	48.85483	0.717583
## 4323	99.85836	51.32162	0.807853
## 4324	121.79450	58.99446	0.925839
## 4325	82.49748	47.30100	0.432712
## 4326	86.40493	52.82153	0.210440
## 4327	122.06603	48.79243	0.688973
## 4328	102.95252	49.16855	0.859003
## 4329	112.33511	45.95034	0.925529
## 4330	123.48985	42.52546	0.755396
## 4331	116.32867	31.08993	0.789368
## 4332	113.69810	27.85774	0.960462
## 4333	131.80995	28.74768	0.800531
## 4334	135.80524	30.27513	0.693953
## 4335	133.47208	32.85747	0.609627
## 4336	132.78186	36.15962	0.518358
## 4337	126.12601	32.86158	0.759870
## 4338	135.53099	32.07779	0.958207
## 4339	139.04576	31.16668	0.776258
## 4340	145.26878	36.19497	0.763430
## 4341	140.58678	32.37017	0.771266
## 4342	140.18724	46.09343	0.524580
## 4343	132.13637	35.25678	0.527995
## 4344	91.59184	45.42219	0.551449
## 4345	131.22989	30.25327	0.771675
## 4346	145.08693	36.40052	0.790051
## 4347	140.28496	33.72140	0.636076
## 4348	139.88762	35.24939	0.769491
## 4349	139.57156	40.68313	0.756278
## 4350	123.47733	25.57292	0.753613
## 4351	146.69078	41.61443	0.767204
## 4352	137.36440	54.68302	0.513891
## 4353	148.62337	40.86221	0.423491
## 4354	132.88988	28.88263	0.750662

## 4355	134.16396	29.80925	0.771200
## 4356	138.96646	32.59925	0.728426
## 4357	135.57523	30.35975	0.763299
## 4358	143.33635	36.95638	0.537042
## 4359	131.53877	36.15716	0.763999
## 4360	134.13803	38.86051	0.780295
## 4361	124.63264	37.11924	0.503633
## 4362	119.13046	46.02979	0.783253
## 4363	134.58581	49.09960	0.424906
## 4364	134.94667	33.96269	0.477957
## 4365	100.58820	44.55175	0.478770
## 4366	118.50907	36.34164	0.555292
## 4367	112.40299	45.80587	0.396392
## 4368	129.91032	33.21641	0.477077
## 4369	138.19327	30.79879	0.744238
## 4370	142.56532	45.61597	0.750017
## 4371	134.53653	32.75263	0.806232
## 4372	122.83939	46.62507	0.330684
## 4373	124.46137	43.60473	0.807866
## 4374	130.09734	48.09209	0.393233
## 4375	118.77014	47.69015	0.346565
## 4376	119.91183	46.72598	0.225792
## 4377	119.62381	45.74638	0.283674
## 4378	121.47373	63.03244	0.332807
## 4379	125.72948	68.44508	0.299814
## 4380	138.28165	66.91484	0.284792
## 4381	112.78611	51.96163	0.225792
## 4382	105.77106	49.95145	0.373422
## 4383	103.58628	50.12452	0.294662
## 4384	129.90135	68.51347	0.434778
## 4385	119.73103	52.71520	0.672651
## 4386	123.68004	61.10668	0.643312
## 4387	111.28702	61.95191	0.518085
## 4388	115.22000	61.98305	0.793587
## 4389	111.03600	61.13692	0.337426
## 4390	137.85584	59.12118	0.460988
## 4391	115.93972	69.38345	0.725831
## 4392	107.36762	64.77750	0.664702
## 4393	97.31473	59.15119	0.691292
## 4394	89.81393	48.99200	0.726567
## 4395	94.33415	58.82027	0.620978
## 4396	137.96129	47.52305	0.779530
## 4397	115.84500	62.72367	0.361048
## 4398	119.44436	62.10595	0.262429
## 4399	115.13362	57.43306	0.329005
## 4400	120.61602	63.13366	0.408244
## 4401	85.37022	56.96592	0.357752
## 4402	125.59847	56.03928	0.583791
## 4403	121.38924	59.75026	0.660376
## 4404	98.58837	51.55353	0.716271
## 4405	102.46629	53.01803	0.718886
## 4406	112.71430	53.77240	0.697658
## 4407	112.57523	51.57264	0.827271
## 4408	112.58177	55.09426	0.646070

## 4409	95.27766	48.20076	0.396027
## 4410	127.39408	53.95547	0.738012
## 4411	119.48188	48.25080	0.613053
## 4412	105.11006	46.18098	0.624151
## 4413	107.58218	46.38891	0.540045
## 4414	121.10270	46.86597	0.710320
## 4415	111.53632	47.10337	0.734809
## 4416	102.16874	33.50754	0.734273
## 4417	107.41441	38.41621	0.481519
## 4418	124.99655	65.40729	0.804601
## 4419	126.89036	45.51218	0.311897
## 4420	120.06963	46.40026	0.913699
## 4421	98.02517	47.91306	0.838088
## 4422	121.04848	50.86592	0.856821
## 4423	124.48278	51.95118	0.887790
## 4424	117.17805	49.91162	0.904554
## 4425	112.73363	34.90841	0.416523
## 4426	84.36803	40.83219	0.796430
## 4427	106.92055	48.62280	0.891307
## 4428	94.78494	57.68369	0.772315
## 4429	94.49232	39.11851	0.550866
## 4430	107.26378	47.10778	0.318658
## 4431	99.12146	57.45353	0.407344
## 4432	114.13063	61.76189	0.400955
## 4433	102.68900	49.82317	0.364619
## 4434	111.10804	55.46836	0.378221
## 4435	114.09815	53.41488	0.779429
## 4436	136.64601	41.99253	0.310537
## 4437	135.23413	45.36152	0.382262
## 4438	127.00861	58.26580	0.714632
## 4439	146.20250	44.67134	0.296265
## 4440	148.20099	43.54090	0.397068
## 4441	95.41234	53.54731	0.447454
## 4442	131.06578	56.66993	0.857722
## 4443	106.26112	40.24736	0.357927
## 4444	93.83282	45.72367	0.469180
## 4445	99.26757	44.36747	0.606352
## 4446	116.27331	56.99478	0.819843
## 4447	120.66501	51.84746	0.732047
## 4448	114.95049	43.28328	0.312339
## 4449	109.46664	42.27629	0.259434
## 4450	123.48473	47.87857	0.456062
## 4451	128.79215	56.42778	0.485130
## 4452	116.26125	54.55370	0.614599
## 4453	108.38441	42.86585	0.913657
## 4454	99.22022	48.00864	0.575253
## 4455	100.89523	39.60576	0.750914
## 4456	125.12822	58.71188	0.815278
## 4457	98.32658	42.48138	0.594121
## 4458	101.24432	33.68442	0.546530
## 4459	106.25588	40.90500	0.732116
## 4460	86.64395	43.42709	0.497532
## 4461	102.07285	40.44561	0.583361
## 4462	132.30039	46.89578	0.844022

## 4463	114.16366	49.44941	0.663405
## 4464	129.12825	56.29496	0.726692
## 4465	108.07873	50.71307	0.632963
## 4466	109.33048	65.40196	0.453764
## 4467	125.23953	51.17253	0.655783
## 4468	103.94524	48.56206	0.560407
## 4469	102.46235	49.28351	0.638311
## 4470	128.19237	50.48200	0.625489
## 4471	134.02080	61.97645	0.709714
## 4472	131.48770	38.54835	0.872485
## 4473	129.75598	51.66758	0.791185
## 4474	123.16354	48.33169	0.904707
## 4475	130.55104	61.94323	0.427947
## 4476	122.96685	62.16401	0.224355
## 4477	127.68401	47.14235	0.746718
## 4478	135.04880	44.61768	0.800464
## 4479	118.41167	57.16082	0.530105
## 4480	124.55663	50.54811	0.743697
## 4481	125.95402	39.20598	0.563725
## 4482	141.38945	38.98693	0.850033
## 4483	95.10126	47.86216	0.280428
## 4484	104.94484	55.88782	0.291295
## 4485	94.13209	50.98597	0.433894
## 4486	101.11578	46.89545	0.269854
## 4487	108.19585	66.02993	0.254343
## 4488	109.57675	63.06581	0.217060
## 4489	108.67675	59.53130	0.339690
## 4490	111.00536	63.34225	0.447966
## 4491	73.67149	38.98105	0.562852
## 4492	92.65345	39.53856	0.657272
## 4493	93.10332	46.56336	0.827097
## 4494	87.23219	38.56593	0.805636
## 4495	107.30795	47.37888	0.827795
## 4496	126.36880	53.02748	0.681638
## 4497	109.32187	53.09907	0.622522
## 4498	102.37869	49.68681	0.532006
## 4499	126.44621	44.87908	0.505286
## 4500	128.38805	53.71252	0.520090
## 4501	108.23609	53.62694	0.473678
## 4502	122.57080	41.20794	0.633654
## 4503	128.42889	55.94696	0.431197
## 4504	132.71510	51.66743	0.495837
## 4505	133.98846	42.95180	0.833251
## 4506	137.12714	38.69575	0.738386
## 4507	125.35916	53.18671	0.658307
## 4508	115.24761	43.47319	0.638142
## 4509	99.18259	42.62157	0.810565
## 4510	101.55625	35.95788	0.675646
## 4511	100.73455	37.29531	0.692132
## 4512	92.09560	40.06957	0.726584
## 4513	94.69067	44.46127	0.798385
## 4514	79.86674	39.16056	0.817602
## 4515	107.77219	42.83895	0.824203
## 4516	102.86968	44.83047	0.405196

## 4517	123.09563	56.37362	0.314927
## 4518	124.44180	62.13058	0.496979
## 4519	109.24549	65.46074	0.524780
## 4520	84.43436	54.89236	0.352869
## 4521	94.22465	56.04522	0.301479
## 4522	92.16515	51.71698	0.278716
## 4523	101.39732	54.22535	0.303392
## 4524	92.84827	43.95990	0.281908
## 4525	102.44009	52.34613	0.295698
## 4526	87.63277	48.51537	0.310280
## 4527	90.79407	46.72961	0.275286
## 4528	87.40649	49.53573	0.458463
## 4529	95.61089	45.13667	0.347496
## 4530	83.19265	49.74950	0.380660
## 4531	82.99783	48.31232	0.552526
## 4532	92.64226	50.84386	0.601715
## 4533	102.87273	58.18217	0.670606
## 4534	89.14732	51.59288	0.722313
## 4535	109.66779	50.33820	0.872279
## 4536	109.18354	42.41955	0.847381
## 4537	91.85177	46.41600	0.809843
## 4538	96.68810	44.05090	0.817755
## 4539	102.34932	42.04367	0.764786
## 4540	121.04315	47.97162	0.845100
## 4541	114.95022	43.96278	0.837062
## 4542	90.87373	52.93844	0.750226
## 4543	111.96484	49.15775	0.828124
## 4544	112.21541	57.94913	0.635478
## 4545	114.14925	43.30204	0.789662
## 4546	91.73527	44.12854	0.826008
## 4547	73.81039	35.66092	0.585248
## 4548	73.58117	35.40076	0.690256
## 4549	87.62160	43.24770	0.787026
## 4550	100.85500	35.57858	0.628098
## 4551	91.34065	36.46789	0.822668
## 4552	93.28138	42.47327	0.744143
## 4553	95.37633	50.94378	0.826863
## 4554	113.13449	47.97854	0.814059
## 4555	109.07452	40.94618	0.831626
## 4556	105.67001	44.41397	0.902328
## 4557	101.31647	46.54362	0.692876
## 4558	102.36547	43.74880	0.477217
## 4559	86.42172	43.90250	0.642286
## 4560	109.57906	44.22256	0.371010
## 4561	128.80185	51.92018	0.297781
## 4562	114.09906	48.72783	0.343826
## 4563	131.37186	49.43430	0.306818
## 4564	114.12534	47.82235	0.298595
## 4565	112.71189	48.57512	0.552927
## 4566	105.37475	50.93090	0.573547
## 4567	133.01375	62.57917	0.308459
## 4568	126.77634	70.15652	0.417917
## 4569	114.83942	62.30895	0.271057
## 4570	134.43630	46.77541	0.384798

## 4571	122.78381	74.28603	0.424473
## 4572	131.31020	42.42176	0.717520
## 4573	91.16573	49.62526	0.710344
## 4574	115.24372	60.54768	0.765879
## 4575	122.19024	53.44027	0.782168
## 4576	103.70184	38.61602	0.243453
## 4577	98.21011	50.04569	0.515503
## 4578	90.39670	44.03847	0.454096
## 4579	112.30171	48.68301	0.800629
## 4580	104.92419	52.70747	0.430948
## 4581	127.22179	52.82930	0.408028
## 4582	102.36131	49.32097	0.588432
## 4583	126.83965	51.48071	0.702047
## 4584	117.51961	61.74068	0.405919
## 4585	99.80520	51.64669	0.509597
## 4586	116.58673	43.86465	0.771248
## 4587	91.12108	48.35818	0.531308
## 4588	112.81580	59.57652	0.649753
## 4589	85.16112	47.74342	0.687929
## 4590	98.00436	45.68170	0.625153
## 4591	82.10664	37.34376	0.673329
## 4592	102.49741	33.59766	0.696476
## 4593	82.20194	34.08092	0.781514
## 4594	82.68623	41.37014	0.787873
## 4595	84.22437	37.87569	0.825462
## 4596	99.18152	39.42769	0.781976
## 4597	96.21258	46.93456	0.792565
## 4598	91.92711	34.42947	0.718936
## 4599	110.96004	47.85080	0.763958
## 4600	109.67454	42.79942	0.803640
## 4601	129.91891	54.64558	0.792028
## 4602	106.39197	41.50027	0.696294
## 4603	101.91584	50.63094	0.648624
## 4604	101.41972	47.36772	0.509440
## 4605	114.30035	42.50782	0.513037
## 4606	108.34429	51.79774	0.514206
## 4607	91.14925	49.00891	0.459567
## 4608	122.00163	41.83644	0.638284
## 4609	103.40931	45.45250	0.447575
## 4610	124.37761	46.54044	0.514452
## 4611	130.26775	40.30699	0.824045
## 4612	103.14552	62.14501	0.302846
## 4613	121.44726	58.20763	0.278669
## 4614	119.97252	60.06866	0.271167
## 4615	109.67133	61.00730	0.431495
## 4616	119.55250	57.60897	0.269083
## 4617	104.87675	60.85130	0.264510
## 4618	122.32433	67.44639	0.216823
## 4619	111.85973	55.04538	0.348532
## 4620	104.43834	45.66326	0.428955
## 4621	139.05618	61.78881	0.589745
## 4622	135.69253	41.48190	0.665661
## 4623	113.90113	45.77912	0.813429
## 4624	118.75571	51.12600	0.835318

## 4625	88.06149	41.50276	0.801455
## 4626	96.90640	42.83022	0.759314
## 4627	87.68269	44.69654	0.643381
## 4628	88.29367	38.52350	0.671149
## 4629	111.51540	43.87897	0.799940
## 4630	112.80139	43.97231	0.669383
## 4631	102.71660	38.56601	0.698602
## 4632	88.23479	34.89532	0.691912
## 4633	109.57689	51.20535	0.780717
## 4634	84.42526	37.85266	0.825018
## 4635	93.23394	43.87117	0.820482
## 4636	90.49561	39.00184	0.425305
## 4637	100.33176	39.93723	0.309880
## 4638	93.34457	49.21561	0.490605
## 4639	71.40812	39.92170	0.541515
## 4640	84.84418	52.80809	0.356163
## 4641	103.43195	44.93279	0.309618
## 4642	103.37847	52.81683	0.273922
## 4643	90.45190	47.30543	0.299253
## 4644	120.11294	57.46326	0.275161
## 4645	137.46114	64.62891	0.300764
## 4646	117.84113	72.99822	0.315360
## 4647	127.04668	66.25009	0.273836
## 4648	98.56560	63.07060	0.488213
## 4649	95.88197	52.09027	0.360440
## 4650	99.16228	56.73048	0.386841
## 4651	92.41620	51.30984	0.563901
## 4652	86.30258	46.04286	0.594787
## 4653	102.22752	64.75983	0.691943
## 4654	95.38431	58.03593	0.731207
## 4655	100.62551	44.19541	0.879676
## 4656	92.66511	42.89030	0.848479
## 4657	100.31499	46.16898	0.814171
## 4658	100.07910	54.48618	0.787752
## 4659	108.69282	48.49707	0.775088
## 4660	105.36060	45.10479	0.818953
## 4661	107.86054	38.02100	0.844237
## 4662	102.22142	49.42325	0.712169
## 4663	103.77738	47.92753	0.652900
## 4664	117.24969	50.29977	0.418937
## 4665	116.74395	62.44946	0.642087
## 4666	112.10907	44.22133	0.332007
## 4667	115.12932	49.07889	0.287433
## 4668	104.70863	48.38110	0.340938
## 4669	120.08516	52.93706	0.306255
## 4670	102.04343	42.70637	0.293529
## 4671	126.26837	51.06448	0.541798
## 4672	108.10800	50.96172	0.554129
## 4673	119.26573	55.95656	0.323506
## 4674	118.09040	53.29350	0.409205
## 4675	114.12350	52.94501	0.297909
## 4676	118.78701	44.65852	0.384375
## 4677	138.24716	74.75077	0.440886
## 4678	135.93530	48.20287	0.706961

## 4679	112.32782	60.61353	0.697196
## 4680	127.88854	55.07397	0.781905
## 4681	134.11792	48.62583	0.780480
## 4682	117.03972	42.61016	0.382149
## 4683	113.48965	54.93093	0.784216
## 4684	111.90280	38.20039	0.301794
## 4685	114.61442	50.39143	0.718580
## 4686	124.28414	42.31573	0.563683
## 4687	103.27741	47.20599	0.490205
## 4688	103.84812	35.32502	0.744941
## 4689	121.71993	50.86482	0.297200
## 4690	129.03863	44.48988	0.699762
## 4691	120.17561	37.55785	0.777747
## 4692	125.90594	42.05766	0.244305
## 4693	95.55986	50.95113	0.505647
## 4694	107.73604	53.09423	0.447659
## 4695	111.07305	44.13067	0.786999
## 4696	95.04833	42.91168	0.578568
## 4697	118.83112	52.58470	0.424978
## 4698	110.32119	60.15951	0.556052
## 4699	125.98682	49.22680	0.666939
## 4700	85.53155	50.74650	0.439771
## 4701	118.79913	43.32016	0.520291
## 4702	131.55600	36.61257	0.284300
## 4703	93.75227	55.13134	0.195982
## 4704	78.34728	49.94058	0.188613
## 4705	97.25813	53.20179	0.610497
## 4706	89.01459	55.57177	0.542955
## 4707	87.48803	54.72830	0.249445
## 4708	90.78414	50.54209	0.217401
## 4709	86.48332	47.60408	0.325022
## 4710	93.90144	46.24195	0.633431
## 4711	88.18144	50.40146	0.287717
## 4712	91.51520	49.51051	0.376295
## 4713	93.07098	53.58308	0.262146
## 4714	95.43572	38.59938	0.296184
## 4715	92.96875	56.12442	0.246562
## 4716	89.82555	47.02252	0.306547
## 4717	124.03930	54.01997	0.253505
## 4718	87.66899	40.27706	0.262263
## 4719	95.50769	48.56786	0.347549
## 4720	73.72707	29.43250	0.178890
## 4721	93.71596	50.20403	0.254696
## 4722	84.40116	32.90206	0.302237
## 4723	116.14255	70.77584	0.282339
## 4724	104.34425	54.28213	0.264118
## 4725	75.78304	39.97827	0.258828
## 4726	71.68475	37.42636	0.293095
## 4727	105.46072	54.85511	0.351294
## 4728	95.78467	42.21233	0.515676
## 4729	131.72267	43.49875	0.690573
## 4730	97.06462	54.76263	0.272385
## 4731	83.01485	44.60564	0.455358
## 4732	106.63135	57.82090	0.397945

## 4733	107.41553	50.69999	0.693967
## 4734	90.39705	52.08635	0.766726
## 4735	112.00008	58.23545	0.746695
## 4736	88.60785	44.29281	0.810044
## 4737	90.69546	41.74097	0.805448
## 4738	83.85636	36.79624	0.769785
## 4739	102.15649	38.19362	0.711667
## 4740	100.44345	39.69827	0.800492
## 4741	96.12183	38.89489	0.792361
## 4742	87.64376	34.08461	0.803020
## 4743	104.53564	41.72623	0.672226
## 4744	78.44509	35.17829	0.625699
## 4745	93.08560	45.37023	0.525449
## 4746	108.00939	41.14960	0.504178
## 4747	103.85447	51.44468	0.518946
## 4748	108.83121	59.44238	0.471603
## 4749	115.50236	43.78062	0.641545
## 4750	102.65740	45.41645	0.438117
## 4751	100.37299	43.02215	0.500857
## 4752	121.43230	40.12887	0.839786
## 4753	111.25711	51.55153	0.668993
## 4754	118.75150	55.69493	0.266964
## 4755	105.99017	49.84678	0.718065
## 4756	116.75122	49.97597	0.728793
## 4757	115.27335	47.53227	0.287178
## 4758	130.26186	44.00405	0.415506
## 4759	120.60326	49.40114	0.661523
## 4760	122.52281	46.50146	0.472306
## 4761	119.97177	52.49174	0.621815
## 4762	128.43306	54.13871	0.241724
## 4763	116.56546	44.34381	0.214643
## 4764	145.28571	42.51806	0.675548
## 4765	106.32927	57.87697	0.172993
## 4766	125.41085	48.91956	0.257581
## 4767	135.65140	60.35400	0.308812
## 4768	85.37825	49.57236	0.183219
## 4769	125.91317	49.17969	0.693201
## 4770	105.60205	48.88334	0.286886
## 4771	105.82279	56.30855	0.285028
## 4772	106.15928	61.47487	0.296340
## 4773	104.46284	60.62601	0.428219
## 4774	107.79171	54.86309	0.269302
## 4775	98.33878	57.95748	0.243828
## 4776	101.70647	53.84928	0.199959
## 4777	117.15469	53.92217	0.343538
## 4778	99.42358	50.67340	0.435514
## 4779	97.01848	48.44191	0.587960
## 4780	121.29246	45.63188	0.638942
## 4781	120.15015	44.94303	0.827280
## 4782	116.44649	41.16728	0.804502
## 4783	100.75497	43.86232	0.804399
## 4784	96.23174	38.79007	0.254839
## 4785	119.01759	49.01478	0.485131
## 4786	127.27660	54.48134	0.626374

## 4787	80.25490	37.79182	0.401460
## 4788	95.84440	52.01106	0.556750
## 4789	107.94287	43.51254	0.404815
## 4790	128.91228	44.16404	0.825858
## 4791	126.71124	42.70305	0.758291
## 4792	115.31796	53.55285	0.647850
## 4793	113.62358	39.68364	0.647799
## 4794	126.61556	38.84800	0.804008
## 4795	127.51547	39.81137	0.670806
## 4796	129.01569	40.76774	0.689592
## 4797	142.32762	47.61631	0.715286
## 4798	129.93762	42.05606	0.817695
## 4799	92.98220	42.87288	0.802100
## 4800	98.47325	45.83590	0.838881
## 4801	86.58656	42.46628	0.411276
## 4802	100.84255	41.53035	0.305537
## 4803	101.58042	43.53117	0.494867
## 4804	80.62232	44.09018	0.515769
## 4805	86.49233	52.27178	0.357417
## 4806	104.34097	62.43872	0.313004
## 4807	96.58356	56.33649	0.288937
## 4808	79.96130	45.26507	0.332049
## 4809	93.39350	44.07807	0.285733
## 4810	90.14749	38.93850	0.298028
## 4811	93.67426	50.19859	0.314204
## 4812	87.30700	41.42309	0.279178
## 4813	80.96061	42.80923	0.469870
## 4814	91.39042	50.48133	0.353167
## 4815	74.93329	45.87026	0.368554
## 4816	81.97858	53.40140	0.570797
## 4817	97.86677	48.42325	0.625276
## 4818	99.29652	50.83631	0.674895
## 4819	91.61769	48.53214	0.747354
## 4820	128.75296	55.61519	0.898757
## 4821	123.02701	60.10524	0.858461
## 4822	113.26998	62.54273	0.785472
## 4823	95.03473	57.72543	0.792901
## 4824	108.39717	46.91450	0.781534
## 4825	106.38941	48.54220	0.813299
## 4826	97.17052	35.97110	0.855355
## 4827	77.28236	44.07354	0.673422
## 4828	97.93941	40.52636	0.380822
## 4829	111.63037	49.35410	0.780682
## 4830	110.45427	36.23097	0.298434
## 4831	124.82134	51.05088	0.712115
## 4832	114.47662	43.65894	0.561559
## 4833	106.34158	48.05212	0.488562
## 4834	118.17673	48.44748	0.740201
## 4835	117.83166	45.97789	0.302640
## 4836	119.23663	37.33911	0.710199
## 4837	127.24036	48.25072	0.759183
## 4838	122.43233	47.89955	0.246650
## 4839	125.72612	64.21040	0.498719
## 4840	96.84208	44.96032	0.437625

## 4841	119.53790	38.97109	0.780566
## 4842	113.31284	52.52099	0.431223
## 4843	127.26491	43.13808	0.419667
## 4844	114.23187	43.52993	0.598335
## 4845	111.92301	48.22276	0.685275
## 4846	91.85037	50.89473	0.432337
## 4847	89.99689	45.68224	0.507938
## 4848	114.49645	50.43961	0.371148
## 4849	97.97094	54.18848	0.441097
## 4850	90.56960	57.98968	0.515666
## 4851	95.52403	42.61688	0.426157
## 4852	90.70673	47.99845	0.303533
## 4853	123.26857	52.14781	0.487406
## 4854	114.44473	59.55508	0.536708
## 4855	93.84395	52.94282	0.345946
## 4856	125.82046	57.07006	0.309819
## 4857	110.56690	53.29669	0.275733
## 4858	116.32895	55.09935	0.322722
## 4859	111.95676	58.46062	0.284509
## 4860	113.72583	49.78397	0.278591
## 4861	88.28416	40.46475	0.320286
## 4862	124.42348	59.23449	0.287748
## 4863	119.31278	61.79823	0.487439
## 4864	122.99346	52.43293	0.345523
## 4865	104.21658	58.62840	0.389802
## 4866	124.65004	63.80518	0.544676
## 4867	116.13399	59.98930	0.626875
## 4868	107.80465	59.95319	0.687633
## 4869	112.08625	63.75966	0.720908
## 4870	119.83669	51.59474	0.906791
## 4871	126.30765	39.59014	0.870883
## 4872	140.90007	53.63287	0.779182
## 4873	118.56840	55.62540	0.800815
## 4874	135.46254	48.41003	0.807088
## 4875	124.80997	60.36371	0.817078
## 4876	107.53339	45.83953	0.843687
## 4877	90.11303	48.98927	0.739972
## 4878	103.00210	51.89992	0.641363
## 4879	95.49793	43.50491	0.603788
## 4880	98.41283	41.23945	0.712647
## 4881	87.98309	42.17467	0.692072
## 4882	106.47179	47.26160	0.753585
## 4883	104.36155	46.42547	0.524057
## 4884	100.57242	53.00934	0.646556
## 4885	99.42163	49.23967	0.684906
## 4886	106.98257	51.46687	0.629641
## 4887	104.91225	42.81275	0.698432
## 4888	97.18411	49.67121	0.225280
## 4889	114.43166	44.02343	0.788576
## 4890	126.19493	58.11872	0.747649
## 4891	107.73638	51.87068	0.754867
## 4892	96.98659	46.82557	0.797626
## 4893	115.32530	51.56146	0.801544
## 4894	98.18771	46.70714	0.795973

## 4895	126.47250	56.17775	0.720161
## 4896	106.23231	45.81927	0.796164
## 4897	108.28434	46.08375	0.801726
## 4898	96.42080	41.61156	0.791886
## 4899	72.76622	39.35077	0.286882
## 4900	96.79553	50.32801	0.270059
## 4901	88.88941	42.15519	0.267318
## 4902	89.21024	48.29749	0.428831
## 4903	92.94531	38.19202	0.258573
## 4904	77.62594	38.36998	0.258693
## 4905	81.57292	40.33100	0.211574
## 4906	96.65721	54.62174	0.356394
## 4907	80.93352	44.58814	0.441998
## 4908	85.00507	43.13492	0.582435
## 4909	103.59590	39.52067	0.645528
## 4910	88.41189	35.65711	0.827415
## 4911	108.13050	43.80156	0.802281
## 4912	106.26455	43.35515	0.804247
## 4913	120.58884	44.80323	0.257448
## 4914	112.60015	42.82088	0.479339
## 4915	107.60764	47.89569	0.621800
## 4916	115.65017	52.19267	0.403388
## 4917	100.87183	46.05156	0.540663
## 4918	110.70602	42.16056	0.407836
## 4919	101.58299	39.25752	0.817068
## 4920	125.75887	50.31515	0.747788
## 4921	118.32061	51.25055	0.662112
## 4922	137.43785	50.54571	0.627029
## 4923	120.77110	43.19037	0.817679
## 4924	126.02732	39.77680	0.662286
## 4925	127.56963	38.30551	0.698763
## 4926	120.37852	49.50676	0.690161
## 4927	128.32127	43.62786	0.784244
## 4928	111.65609	50.13690	0.826169
## 4929	131.68300	54.71651	0.384335
## 4930	137.22838	37.47095	0.778649
## 4931	109.70020	38.82163	0.312272
## 4932	96.72083	38.09704	0.731336
## 4933	103.76787	43.65770	0.572185
## 4934	90.28908	38.81749	0.479708
## 4935	95.51932	36.34130	0.742109
## 4936	86.83570	40.47583	0.293107
## 4937	122.63213	42.27639	0.704680
## 4938	121.53210	39.90780	0.770770
## 4939	100.70765	40.64175	0.241869
## 4940	117.08163	71.71468	0.494120
## 4941	112.28400	63.27256	0.448490
## 4942	126.22327	43.96651	0.794340
## 4943	134.79474	57.62338	0.608579
## 4944	118.57207	36.19003	0.500407
## 4945	123.45830	39.67180	0.663624
## 4946	105.38338	55.72393	0.444591
## 4947	114.77107	45.50545	0.531602
## 4948	110.11018	43.93478	0.432417

## 4949	107.67137	56.77277	0.422843
## 4950	123.02174	46.15170	0.429246
## 4951	109.17590	66.91213	0.431123
## 4952	119.82913	51.75901	0.488520
## 4953	107.30872	51.85059	0.712366
## 4954	90.59643	51.88900	0.680524
## 4955	82.65507	53.78606	0.259364
## 4956	124.61712	70.31531	0.694175
## 4957	109.17983	54.10887	0.683047
## 4958	110.89355	57.32592	0.277471
## 4959	130.62178	51.89852	0.401676
## 4960	113.91721	55.61769	0.661622
## 4961	121.08840	55.83070	0.456251
## 4962	117.42860	56.60191	0.637899
## 4963	114.32182	43.82009	0.241095
## 4964	119.06849	50.50168	0.687558
## 4965	94.06749	56.99194	0.186390
## 4966	113.22814	48.85270	0.261098
## 4967	112.86015	45.01179	0.297843
## 4968	90.95985	43.96431	0.181051
## 4969	119.84615	36.10645	0.690659
## 4970	100.54714	50.01465	0.688584
## 4971	126.75041	61.50670	0.633210
## 4972	128.40941	56.89247	0.499395
## 4973	122.95344	41.91176	0.511048
## 4974	122.97349	52.48367	0.512491
## 4975	113.52402	64.82619	0.468031
## 4976	126.18425	44.31085	0.633342
## 4977	124.96796	51.28550	0.438426
## 4978	122.18193	52.48073	0.509926
## 4979	134.39117	41.27119	0.829926
## 4980	130.34471	48.64412	0.658180
## 4981	127.58076	44.61211	0.597205
## 4982	107.58826	45.87197	0.722922
## 4983	91.65310	46.49798	0.706263
## 4984	96.08099	42.34907	0.757334
## 4985	98.19892	33.28033	0.531446
## 4986	85.75584	37.24659	0.651510
## 4987	80.32783	35.79026	0.670370
## 4988	91.37259	45.64830	0.612371
## 4989	90.08615	40.01685	0.732020
## 4990	102.36316	36.51035	0.697341
## 4991	94.72358	43.54230	0.749416
## 4992	112.42713	48.43362	0.770594
## 4993	90.30498	45.65098	0.807348
## 4994	124.22314	51.31091	0.777661
## 4995	106.76481	47.04382	0.754320
## 4996	106.62896	43.05140	0.698695
## 4997	107.49240	49.50756	0.775367
## 4998	103.00959	39.40491	0.818853
## 4999	127.94688	50.39991	0.800799
##	motion_dist_var label		
## 1	0.038365	1	
## 2	0.066858	1	

## 3	0.141610	1
## 4	0.093782	1
## 5	0.193568	1
## 6	0.136905	1
## 7	0.123641	1
## 8	0.300965	1
## 9	0.133105	1
## 10	0.140427	1
## 11	0.142270	1
## 12	0.178490	1
## 13	0.170403	1
## 14	0.366905	1
## 15	0.032062	1
## 16	0.054370	1
## 17	0.034475	1
## 18	0.136943	1
## 19	0.053882	1
## 20	0.086667	1
## 21	0.055915	1
## 22	0.068525	1
## 23	0.166302	1
## 24	0.051931	1
## 25	0.101820	1
## 26	0.082128	1
## 27	0.068762	1
## 28	0.062534	1
## 29	0.056598	1
## 30	0.092085	1
## 31	0.082315	1
## 32	0.076133	1
## 33	0.071186	1
## 34	0.072383	1
## 35	0.075830	1
## 36	0.139152	1
## 37	0.157865	1
## 38	0.182582	1
## 39	0.111261	1
## 40	0.011083	1
## 41	0.067717	1
## 42	0.063993	1
## 43	0.080470	1
## 44	0.073627	1
## 45	0.092648	1
## 46	0.102647	1
## 47	0.084873	1
## 48	0.034952	1
## 49	0.050637	1
## 50	0.008614	1
## 51	0.024736	1
## 52	0.127029	1
## 53	0.105756	1
## 54	0.294672	1
## 55	0.069925	1
## 56	0.081213	1

## 57	0.110897	1
## 58	0.069540	1
## 59	0.138141	1
## 60	0.224548	1
## 61	0.147496	1
## 62	0.160017	1
## 63	0.112761	1
## 64	0.085718	1
## 65	0.116989	1
## 66	0.094208	1
## 67	0.087641	1
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## 74	0.141110	1
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## 76	0.166250	1
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## 78	0.107991	1
## 79	0.071164	1
## 80	0.064776	1
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## 82	0.055421	1
## 83	0.050556	1
## 84	0.117613	1
## 85	0.098597	1
## 86	0.231703	1
## 87	0.035998	1
## 88	0.183497	1
## 89	0.098808	1
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## 2021	0.015346	-1
## 2022	0.079447	-1
## 2023	0.027359	1
## 2024	0.096910	1
## 2025	0.082428	1
## 2026	0.037916	1
## 2027	0.077887	1
## 2028	0.138068	1
## 2029	0.076986	1
## 2030	0.172500	1
## 2031	0.105839	1
## 2032	0.026847	1
## 2033	0.072817	1
## 2034	0.048068	1
## 2035	0.127884	1
## 2036	0.113188	1
## 2037	0.092963	1
## 2038	0.058085	1
## 2039	0.061764	1
## 2040	0.110165	1
## 2041	0.070124	1
## 2042	0.061601	1
## 2043	0.064637	1
## 2044	0.134114	1
## 2045	0.157723	1
## 2046	0.074577	1
## 2047	0.100289	1
## 2048	0.106649	1
## 2049	0.061657	1
## 2050	0.215370	1
## 2051	0.074558	1
## 2052	0.055619	1
## 2053	0.084624	1
## 2054	0.068249	1

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## 2056	0.115771	1
## 2057	0.108346	1
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## 2059	0.061035	1
## 2060	0.052874	1
## 2061	0.085179	1
## 2062	0.039784	1
## 2063	0.090018	1
## 2064	0.048536	1
## 2065	0.073754	1
## 2066	0.094871	1
## 2067	0.050875	1
## 2068	0.069137	1
## 2069	0.098258	1
## 2070	0.047612	1
## 2071	0.343889	1
## 2072	0.043616	1
## 2073	0.107265	1
## 2074	0.173162	1
## 2075	0.054915	1
## 2076	0.058957	1
## 2077	0.058712	1
## 2078	0.221655	1
## 2079	0.074117	1
## 2080	0.032355	1
## 2081	0.075303	1
## 2082	0.049893	1
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## 2086	0.010291	1
## 2087	0.048591	1
## 2088	0.095524	1
## 2089	0.081904	-1
## 2090	0.081133	-1
## 2091	0.156918	-1
## 2092	0.135729	-1
## 2093	0.066590	-1
## 2094	0.136905	-1
## 2095	0.086407	-1
## 2096	0.112992	-1
## 2097	0.076766	-1
## 2098	0.129697	-1
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## 2104	0.078201	-1
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## 2160	0.039619	1
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## 2162	0.028806	1

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## 2353	0.044977	1
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## 2362	0.043208	1
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## 4537	0.042299	1
## 4538	0.040058	1

## 4539	0.074589	1
## 4540	0.053670	1
## 4541	0.048474	1
## 4542	0.048875	1
## 4543	0.029359	1
## 4544	0.063494	1
## 4545	0.055692	1
## 4546	0.030387	1
## 4547	0.085191	1
## 4548	0.084937	1
## 4549	0.045820	1
## 4550	0.076986	1
## 4551	0.042410	1
## 4552	0.056896	1
## 4553	0.055621	1
## 4554	0.053352	1
## 4555	0.040178	1
## 4556	0.015883	1
## 4557	0.051330	1
## 4558	0.066657	1
## 4559	0.049151	1
## 4560	0.094878	1
## 4561	0.132224	1
## 4562	0.080388	1
## 4563	0.089974	1
## 4564	0.083557	1
## 4565	0.056773	1
## 4566	0.075484	1
## 4567	0.054261	1
## 4568	0.039789	1
## 4569	0.059025	1
## 4570	0.098063	1
## 4571	0.063821	1
## 4572	0.118526	1
## 4573	0.055840	1
## 4574	0.059184	1
## 4575	0.067094	1
## 4576	0.117354	1
## 4577	0.142653	1
## 4578	0.081646	1
## 4579	0.069799	1
## 4580	0.054808	1
## 4581	0.064254	1
## 4582	0.117299	1
## 4583	0.171650	1
## 4584	0.078401	1
## 4585	0.078094	1
## 4586	0.097311	1
## 4587	0.223106	1
## 4588	0.094362	1
## 4589	0.079970	1
## 4590	0.123595	1
## 4591	0.129370	1
## 4592	0.079917	1

## 4593	0.045400	1
## 4594	0.035965	1
## 4595	0.035852	1
## 4596	0.052765	1
## 4597	0.058408	1
## 4598	0.056071	1
## 4599	0.050644	1
## 4600	0.056269	1
## 4601	0.052001	1
## 4602	0.087232	1
## 4603	0.103945	1
## 4604	0.084430	1
## 4605	0.157464	1
## 4606	0.122546	1
## 4607	0.074846	1
## 4608	0.068088	1
## 4609	0.122508	1
## 4610	0.157114	1
## 4611	0.085387	1
## 4612	0.086836	1
## 4613	0.056591	1
## 4614	0.065707	1
## 4615	0.071366	1
## 4616	0.071694	1
## 4617	0.084707	1
## 4618	0.065675	1
## 4619	0.052571	1
## 4620	0.046412	1
## 4621	0.069204	1
## 4622	0.140692	1
## 4623	0.046485	1
## 4624	0.041840	1
## 4625	0.059628	1
## 4626	0.091343	1
## 4627	0.092047	1
## 4628	0.140142	1
## 4629	0.052505	1
## 4630	0.112471	1
## 4631	0.091540	1
## 4632	0.056204	1
## 4633	0.060623	1
## 4634	0.042876	1
## 4635	0.057072	1
## 4636	0.081364	1
## 4637	0.047236	1
## 4638	0.187570	1
## 4639	0.116171	1
## 4640	0.127784	1
## 4641	0.061198	1
## 4642	0.065177	1
## 4643	0.142297	1
## 4644	0.072371	1
## 4645	0.090241	1
## 4646	0.067378	1

## 4647	0.044902	1
## 4648	0.049247	1
## 4649	0.089323	1
## 4650	0.081898	1
## 4651	0.055439	1
## 4652	0.095362	1
## 4653	0.061573	1
## 4654	0.045684	1
## 4655	0.016663	1
## 4656	0.025449	1
## 4657	0.036530	1
## 4658	0.038880	1
## 4659	0.076586	1
## 4660	0.045558	1
## 4661	0.042100	1
## 4662	0.040969	1
## 4663	0.051355	1
## 4664	0.072577	1
## 4665	0.059596	1
## 4666	0.105162	1
## 4667	0.130603	1
## 4668	0.078222	1
## 4669	0.087516	1
## 4670	0.083388	1
## 4671	0.058677	1
## 4672	0.082104	1
## 4673	0.062831	1
## 4674	0.037108	1
## 4675	0.070824	1
## 4676	0.098364	1
## 4677	0.067144	1
## 4678	0.124733	1
## 4679	0.059821	1
## 4680	0.056801	1
## 4681	0.071740	1
## 4682	0.116661	1
## 4683	0.093428	1
## 4684	0.084995	1
## 4685	0.110710	1
## 4686	0.115451	1
## 4687	0.074934	1
## 4688	0.082229	1
## 4689	0.067316	1
## 4690	0.097304	1
## 4691	0.144311	1
## 4692	0.117772	1
## 4693	0.139304	1
## 4694	0.084207	1
## 4695	0.072800	1
## 4696	0.070437	1
## 4697	0.063821	1
## 4698	0.109491	1
## 4699	0.178940	1
## 4700	0.075534	1

## 4701	0.095404	1
## 4702	0.063832	1
## 4703	0.087144	1
## 4704	0.078133	1
## 4705	0.140040	1
## 4706	0.106565	1
## 4707	0.133537	1
## 4708	0.054437	1
## 4709	0.197679	1
## 4710	0.097431	1
## 4711	0.082614	1
## 4712	0.087721	1
## 4713	0.054790	1
## 4714	0.232349	1
## 4715	0.057649	1
## 4716	0.085658	1
## 4717	0.188365	1
## 4718	0.104446	1
## 4719	0.071595	1
## 4720	0.086981	1
## 4721	0.119714	1
## 4722	0.219930	1
## 4723	0.097364	1
## 4724	0.069609	1
## 4725	0.086769	1
## 4726	0.069597	1
## 4727	0.304018	1
## 4728	0.375450	1
## 4729	0.194341	1
## 4730	0.072313	1
## 4731	0.090636	1
## 4732	0.130702	1
## 4733	0.074655	1
## 4734	0.037655	1
## 4735	0.037166	1
## 4736	0.041784	1
## 4737	0.053792	1
## 4738	0.055630	1
## 4739	0.052084	1
## 4740	0.047781	1
## 4741	0.052826	1
## 4742	0.045525	1
## 4743	0.086004	1
## 4744	0.111566	1
## 4745	0.090753	1
## 4746	0.161744	1
## 4747	0.127137	1
## 4748	0.075465	1
## 4749	0.067681	1
## 4750	0.125306	1
## 4751	0.157455	1
## 4752	0.085541	1
## 4753	0.058285	1
## 4754	0.108252	1

## 4755	0.076546	1
## 4756	0.058675	1
## 4757	0.053402	1
## 4758	0.069669	1
## 4759	0.062274	1
## 4760	0.087283	1
## 4761	0.059018	1
## 4762	0.054569	1
## 4763	0.084144	1
## 4764	0.074012	1
## 4765	0.042143	1
## 4766	0.052065	1
## 4767	0.116987	1
## 4768	0.060931	1
## 4769	0.111471	1
## 4770	0.074819	1
## 4771	0.055424	1
## 4772	0.069462	1
## 4773	0.072866	1
## 4774	0.069718	1
## 4775	0.080187	1
## 4776	0.061942	1
## 4777	0.044240	1
## 4778	0.042199	1
## 4779	0.069067	1
## 4780	0.138887	1
## 4781	0.051984	1
## 4782	0.043337	1
## 4783	0.051574	1
## 4784	0.099548	1
## 4785	0.090394	1
## 4786	0.092766	1
## 4787	0.073424	1
## 4788	0.054003	1
## 4789	0.088191	1
## 4790	0.097998	1
## 4791	0.093026	1
## 4792	0.095513	1
## 4793	0.156925	1
## 4794	0.049017	1
## 4795	0.109719	1
## 4796	0.092933	1
## 4797	0.060081	1
## 4798	0.053782	1
## 4799	0.031061	1
## 4800	0.055643	1
## 4801	0.076414	1
## 4802	0.050519	1
## 4803	0.191002	1
## 4804	0.116662	1
## 4805	0.131081	1
## 4806	0.062834	1
## 4807	0.069674	1
## 4808	0.149306	1

## 4809	0.069184	1
## 4810	0.077976	1
## 4811	0.059336	1
## 4812	0.049612	1
## 4813	0.045926	1
## 4814	0.092178	1
## 4815	0.081792	1
## 4816	0.065072	1
## 4817	0.100795	1
## 4818	0.061112	1
## 4819	0.052612	1
## 4820	0.013457	1
## 4821	0.026066	1
## 4822	0.037405	1
## 4823	0.033668	1
## 4824	0.072489	1
## 4825	0.052672	1
## 4826	0.047198	1
## 4827	0.049119	1
## 4828	0.114767	1
## 4829	0.090448	1
## 4830	0.086273	1
## 4831	0.118823	1
## 4832	0.112457	1
## 4833	0.075093	1
## 4834	0.081511	1
## 4835	0.075225	1
## 4836	0.099394	1
## 4837	0.148716	1
## 4838	0.112975	1
## 4839	0.130367	1
## 4840	0.072593	1
## 4841	0.072093	1
## 4842	0.063909	1
## 4843	0.068583	1
## 4844	0.120059	1
## 4845	0.172415	1
## 4846	0.082820	1
## 4847	0.080267	1
## 4848	0.081137	1
## 4849	0.076796	1
## 4850	0.092941	1
## 4851	0.079918	1
## 4852	0.047711	1
## 4853	0.191531	1
## 4854	0.123898	1
## 4855	0.130775	1
## 4856	0.062936	1
## 4857	0.068562	1
## 4858	0.143133	1
## 4859	0.072782	1
## 4860	0.075785	1
## 4861	0.062497	1
## 4862	0.055784	1

## 4863	0.056619	1
## 4864	0.090082	1
## 4865	0.086476	1
## 4866	0.057293	1
## 4867	0.103068	1
## 4868	0.072985	1
## 4869	0.052753	1
## 4870	0.019533	1
## 4871	0.023112	1
## 4872	0.039534	1
## 4873	0.032210	1
## 4874	0.072138	1
## 4875	0.055065	1
## 4876	0.048085	1
## 4877	0.049471	1
## 4878	0.081604	1
## 4879	0.173233	1
## 4880	0.087663	1
## 4881	0.115731	1
## 4882	0.097732	1
## 4883	0.223277	1
## 4884	0.093401	1
## 4885	0.077595	1
## 4886	0.122063	1
## 4887	0.144502	1
## 4888	0.082044	1
## 4889	0.071852	1
## 4890	0.041271	1
## 4891	0.039497	1
## 4892	0.039015	1
## 4893	0.053504	1
## 4894	0.056230	1
## 4895	0.058465	1
## 4896	0.051207	1
## 4897	0.054794	1
## 4898	0.043647	1
## 4899	0.078501	1
## 4900	0.050805	1
## 4901	0.063149	1
## 4902	0.073063	1
## 4903	0.069316	1
## 4904	0.083487	1
## 4905	0.063123	1
## 4906	0.050965	1
## 4907	0.046712	1
## 4908	0.073841	1
## 4909	0.138013	1
## 4910	0.055942	1
## 4911	0.048212	1
## 4912	0.061338	1
## 4913	0.102083	1
## 4914	0.087137	1
## 4915	0.089652	1
## 4916	0.072744	1

## 4917	0.061851	1
## 4918	0.088530	1
## 4919	0.096622	1
## 4920	0.093078	1
## 4921	0.091924	1
## 4922	0.146463	1
## 4923	0.050860	1
## 4924	0.107547	1
## 4925	0.096024	1
## 4926	0.061379	1
## 4927	0.057411	1
## 4928	0.037411	1
## 4929	0.126793	1
## 4930	0.094642	1
## 4931	0.078095	1
## 4932	0.105339	1
## 4933	0.115393	1
## 4934	0.077080	1
## 4935	0.075315	1
## 4936	0.068744	1
## 4937	0.099073	1
## 4938	0.143147	1
## 4939	0.121168	1
## 4940	0.134367	1
## 4941	0.071946	1
## 4942	0.072851	1
## 4943	0.064617	1
## 4944	0.079889	1
## 4945	0.175050	1
## 4946	0.071339	1
## 4947	0.096727	1
## 4948	0.102749	1
## 4949	0.158034	1
## 4950	0.086435	1
## 4951	0.067647	1
## 4952	0.154602	1
## 4953	0.149686	1
## 4954	0.062046	1
## 4955	0.111516	1
## 4956	0.083877	1
## 4957	0.067860	1
## 4958	0.060442	1
## 4959	0.074219	1
## 4960	0.062749	1
## 4961	0.084771	1
## 4962	0.059682	1
## 4963	0.076421	1
## 4964	0.078840	1
## 4965	0.048864	1
## 4966	0.053007	1
## 4967	0.125511	1
## 4968	0.060410	1
## 4969	0.111293	1
## 4970	0.089499	1

```
## 4971      0.113436      1
## 4972      0.079815      1
## 4973      0.159595      1
## 4974      0.124028      1
## 4975      0.077630      1
## 4976      0.072353      1
## 4977      0.125503      1
## 4978      0.163324      1
## 4979      0.064312      1
## 4980      0.077612      1
## 4981      0.173934      1
## 4982      0.089657      1
## 4983      0.121981      1
## 4984      0.093987      1
## 4985      0.219815      1
## 4986      0.093268      1
## 4987      0.073295      1
## 4988      0.119481      1
## 4989      0.121306      1
## 4990      0.082209      1
## 4991      0.039541      1
## 4992      0.034406      1
## 4993      0.036344      1
## 4994      0.053820      1
## 4995      0.059061      1
## 4996      0.056255      1
## 4997      0.054184      1
## 4998      0.058969      1
## 4999      0.050055      1
## [ reached 'max' / getOption("max.print") -- omitted 17546 rows ]
```

Split the Data

To determine the split, we had to determine the ratio of commercial to total, and based on that, we can deduce the percent of non-commercial entries, and the percentage of both. To do this we created the function `ad_split`, which prints the ratio of commercial to total entries and ran it on the clean commercial dataset. The split between commercial to non-commercial is 64 percent to 36 percent, respectively.

```
## [1] 0.6392105
```

Choose the Data

To filter out the vars, we create a list of the vars names and saved the dataset over itself without the columns in the vars variable.

```
##      shot_length motion_distr_mn frame_diff_dist_mn short_time_energy_mn
## 1           29      3.821209      13.547628      0.019883
## 2           25      3.052969      22.334589      0.023027
## 3           82      1.601274       5.860583      0.025948
## 4           25      4.819368      41.382828      0.014387
## 5           29      2.768753      13.338054      0.011506
## 6           25      3.679925      27.195999      0.012956
## 7          113      2.782705      11.439361      0.016132
## 8          161      1.403820       6.740815      0.016213
## 9           81      0.984162       6.858030      0.016380
```

## 10	116	1.262012	6.325819	0.015549
## 11	26	3.348305	25.950470	0.012698
## 12	25	2.734797	12.322391	0.012863
## 13	27	3.645489	16.643291	0.015009
## 14	114	1.127116	5.002442	0.016223
## 15	25	4.763610	10.141559	0.008935
## 16	25	2.720120	13.984651	0.006587
## 17	25	7.409271	17.620098	0.012501
## 18	37	1.347078	9.313793	0.010304
## 19	30	3.781361	12.463446	0.005663
## 20	101	1.159078	6.009381	0.018699
## 21	132	5.633781	17.559553	0.011665
## 22	25	5.077452	15.846204	0.002406
## 23	132	1.842484	5.447408	0.010195
## 24	32	0.182447	1.332545	0.010307
## 25	223	2.024591	6.592492	0.008290
## 26	107	0.777125	2.828610	0.012008
## 27	68	0.436291	1.764901	0.011759
## 28	25	0.247458	1.214568	0.011299
## 29	123	0.956489	3.901220	0.009112
## 30	56	2.277475	11.849564	0.007103
## 31	95	3.645478	16.473642	0.015226
## 32	43	3.036397	13.690580	0.015155
## 33	95	3.713778	14.056569	0.017002
## 34	182	4.190456	11.355901	0.015544
## 35	102	4.414653	15.110628	0.015292
## 36	26	2.045548	8.461758	0.017103
## 37	32	1.041122	3.876200	0.016173
## 38	37	2.632437	10.605258	0.017769
## 39	46	1.412158	8.050138	0.019361
## 40	25	0.746167	3.949314	0.018936
## 41	119	4.409392	11.432533	0.013902
## 42	293	4.114717	12.224495	0.014039
## 43	25	3.844788	12.486286	0.022026
## 44	42	2.632351	8.168202	0.017617
## 45	25	1.719644	6.821364	0.020264
## 46	38	2.091193	16.891087	0.022751
## 47	25	1.490042	14.603621	0.022132
## 48	34	0.217640	2.408906	0.020941
## 49	35	4.394691	8.588728	0.016884
## 50	45	0.108652	0.796127	0.021521
## 51	57	0.316301	3.420213	0.019634
## 52	80	2.160349	10.712472	0.014135
## 53	85	1.939553	7.133958	0.014425
## 54	71	0.995518	4.005095	0.017049
## 55	92	6.989427	16.865772	0.017419
## 56	28	2.654109	6.136594	0.016787
## 57	138	1.126316	6.059628	0.014575
## 58	25	3.191096	21.317389	0.014738
## 59	27	1.312216	3.949047	0.012234
## 60	34	0.512587	3.235500	0.012635
## 61	59	1.016226	4.893620	0.011456
## 62	36	3.089443	12.209927	0.011127
## 63	63	0.494794	2.787046	0.012298

## 64	37	1.188733	5.432541	0.015964
## 65	86	4.883111	8.470881	0.011588
## 66	162	3.189157	11.395097	0.014512
## 67	219	2.499510	6.831649	0.012939
## 68	113	0.557064	4.497995	0.014235
## 69	47	3.692851	17.902596	0.013135
## 70	209	1.905325	10.570946	0.014347
## 71	39	3.929934	19.300253	0.009800
## 72	90	2.383847	10.839178	0.010546
## 73	37	0.664460	12.377335	0.022842
## 74	25	3.236772	21.092529	0.022353
## 75	44	2.194710	17.219059	0.027249
## 76	35	1.868760	10.396086	0.022808
## 77	37	1.660820	11.307561	0.009474
## 78	69	0.275082	5.871524	0.008710
## 79	115	0.905806	2.469147	0.012985
## 80	287	1.345566	3.607022	0.011663
## 81	95	0.964608	3.255995	0.021288
## 82	31	1.245982	5.190626	0.021513
## 83	41	3.406691	7.544166	0.021821
## 84	202	1.575549	6.637605	0.014946
## 85	44	1.975373	7.179190	0.013784
## 86	45	0.622324	2.465352	0.010591
## 87	34	7.021512	17.975311	0.012145
## 88	37	1.025816	6.153685	0.016671
## 89	81	2.478580	7.255435	0.014351
## 90	172	3.280598	8.478077	0.015351
## 91	53	0.115781	1.104461	0.014388
## 92	25	0.995367	4.365147	0.012544
## 93	41	3.038485	16.615553	0.015670
## 94	25	2.267182	12.047890	0.012832
## 95	25	1.486626	8.726148	0.009019
## 96	36	4.229145	16.502157	0.009009
## 97	25	2.651557	25.539831	0.001485
## 98	54	3.058389	7.971874	0.001804
## 99	32	2.505750	21.312332	0.003505
## 100	63	2.643841	10.586459	0.010395
## 101	65	2.655579	13.471164	0.011113
## 102	25	2.384799	9.370879	0.010026
## 103	25	0.959711	8.535550	0.011453
## 104	26	3.562155	19.862017	0.010017
## 105	43	2.456146	8.322388	0.013994
## 106	95	1.480581	7.674469	0.014984
## 107	84	0.192858	2.094006	0.018648
## 108	43	3.000998	9.238070	0.022479
## 109	28	1.328655	3.578867	0.026276
## 110	25	1.811744	6.800356	0.022842
## 111	42	1.187084	5.817912	0.021233
## 112	25	1.682555	5.977610	0.014282
## 113	25	2.539315	9.604557	0.021618
## 114	32	2.321576	11.431636	0.015659
## 115	63	2.211563	9.762605	0.000559
## 116	36	1.284793	3.099037	0.015917
## 117	41	1.542739	7.986985	0.011482

## 118	73	3.086278	8.164434	0.009990
## 119	66	0.879604	5.028820	0.019524
## 120	29	0.385421	11.056192	0.014998
## 121	25	6.256197	44.873192	0.011429
## 122	93	1.553244	7.171687	0.018659
## 123	105	0.785653	10.241037	0.015495
## 124	96	1.009882	8.616622	0.024178
## 125	94	0.878181	10.068889	0.024593
## 126	101	1.280113	13.925160	0.023339
## 127	109	0.385269	5.550302	0.023751
## 128	92	0.493677	6.411007	0.022246
## 129	43	0.648054	7.827367	0.016724
## 130	26	0.795294	12.598983	0.021694
## 131	34	0.872790	11.857226	0.019437
## 132	93	0.327481	7.130119	0.023409
## 133	111	0.679964	9.375222	0.024160
## 134	81	0.293821	3.219949	0.022113
## 135	25	4.239152	51.592777	0.018261
## 136	79	1.798918	8.073709	0.017277
## 137	40	3.915890	19.272583	0.012107
## 138	125	2.000370	9.642102	0.015187
## 139	140	1.893177	7.696448	0.022167
## 140	35	4.130778	41.631977	0.025855
## 141	88	5.622033	25.660858	0.027683
## 142	74	8.910205	26.645060	0.028694
## 143	43	6.974986	29.752813	0.014110
## 144	26	9.273296	27.487749	0.009784
## 145	74	5.322100	23.188828	0.014236
## 146	55	7.065067	24.071587	0.014560
## 147	67	5.869692	24.395987	0.015890
## 148	72	3.555722	17.197823	0.013825
## 149	97	6.451034	21.257019	0.013978
## 150	114	4.095703	22.632118	0.014154
## 151	28	3.060971	15.375857	0.013851
## 152	81	5.958904	22.888363	0.013667
## 153	63	6.352304	22.328697	0.015112
## 154	74	7.748049	32.201820	0.014781
## 155	94	5.389517	18.711906	0.016361
## 156	72	5.235648	18.283979	0.016065
## 157	36	9.677457	36.354301	0.012457
## 158	33	7.065261	34.135956	0.012208
## 159	189	5.427332	20.188732	0.013698
## 160	76	5.258709	18.050770	0.011889
## 161	44	13.035763	37.141781	0.014326
## 162	149	6.806587	22.442245	0.015531
## 163	39	7.087873	22.219656	0.013629
## 164	35	10.704125	36.118362	0.013487
## 165	124	2.288779	11.600950	0.014598
## 166	77	0.983049	3.609308	0.015459
## 167	46	0.646977	12.075412	0.014957
## 168	124	1.014292	6.092219	0.015695
## 169	46	1.033999	4.550580	0.012390
## 170	32	2.154026	10.605204	0.004722
## 171	44	0.579792	7.816250	0.011985

## 172	27	3.240597	10.369988	0.017357
## 173	96	1.140935	5.738367	0.010185
## 174	124	0.972728	4.906880	0.013903
## 175	41	0.504283	2.531186	0.018780
## 176	25	2.346447	16.941715	0.008845
## 177	26	0.226943	1.771144	0.009258
## 178	29	0.160890	1.407615	0.018658
## 179	124	0.543416	3.448312	0.020830
## 180	25	2.767775	15.716772	0.007923
## 181	30	1.879733	6.660731	0.010852
## 182	32	0.272467	1.931357	0.006641
## 183	60	0.722539	3.350003	0.010246
## 184	37	1.259863	9.208717	0.012294
## 185	63	0.408721	1.759133	0.009502
## 186	37	1.184659	5.463187	0.015607
## 187	83	5.016379	8.731868	0.008929
## 188	25	6.357494	18.079477	0.018288
## 189	51	1.988371	10.063453	0.017098
## 190	25	8.500237	22.459776	0.014292
## 191	30	3.908241	17.504330	0.012489
## 192	37	6.502907	19.631475	0.015571
## 193	31	4.174925	22.097254	0.010430
## 194	43	1.398871	6.073125	0.015859
## 195	32	4.481725	13.826879	0.017254
## 196	27	4.690991	16.085947	0.016666
## 197	36	1.531174	4.941773	0.017075
## 198	25	1.149311	5.060236	0.015063
## 199	30	0.144858	1.156512	0.023785
## 200	40	0.179547	1.332991	0.023822
## 201	25	0.691030	3.374464	0.021211
## 202	73	1.748678	7.859961	0.019058
## 203	44	2.412738	8.522822	0.011882
## 204	62	0.927113	3.249669	0.012337
## 205	40	2.094729	9.823274	0.012400
## 206	42	0.658268	4.174506	0.011510
## 207	99	9.618789	25.850391	0.016579
## 208	38	4.836555	21.706762	0.013514
## 209	51	2.821402	13.290172	0.014579
## 210	25	3.629586	19.723957	0.007567
## 211	32	4.379323	19.324392	0.011978
## 212	25	1.824106	11.710523	0.015909
## 213	29	0.200593	1.576196	0.012021
## 214	44	1.976426	10.733374	0.012155
## 215	30	0.284068	1.447503	0.018374
## 216	57	3.476732	27.974449	0.009792
## 217	60	3.529264	6.366230	0.016199
## 218	105	0.851021	10.840822	0.020240
## 219	96	1.019503	8.820140	0.019057
## 220	94	0.558184	7.711747	0.014381
## 221	61	1.271846	14.144111	0.021870
## 222	39	1.001158	11.768056	0.024317
## 223	49	0.528982	6.884603	0.024512
## 224	59	0.674293	8.109712	0.021402
## 225	92	0.218325	3.452861	0.024023

## 226	43	1.352423	15.125663	0.020325
## 227	26	0.942853	14.069808	0.021213
## 228	34	0.902123	12.372265	0.021756
## 229	93	0.361603	7.593260	0.022080
## 230	111	0.640333	8.502557	0.021901
## 231	81	0.339859	4.300940	0.023643
## 232	25	5.558463	53.467972	0.021046
## 233	74	1.813466	8.193121	0.023614
## 234	37	3.864670	19.504805	0.022473
## 235	113	2.310105	11.013659	0.020764
## 236	252	3.481225	10.954070	0.016159
## 237	34	2.372221	11.155703	0.030647
## 238	26	6.067515	24.577648	0.026903
## 239	31	7.044282	19.784264	0.027052
## 240	26	1.824158	7.839759	0.008313
## 241	85	2.895470	15.026126	0.016345
## 242	59	6.001848	35.417519	0.016566
## 243	47	4.420603	21.989374	0.021657
## 244	75	3.834509	19.553434	0.026662
## 245	52	5.094903	16.460257	0.020787
## 246	80	1.629658	6.445453	0.019884
## 247	46	0.825971	11.767796	0.013003
## 248	124	0.516338	3.755118	0.016452
## 249	46	0.970527	4.035046	0.013656
## 250	32	2.228916	10.417964	0.019232
## 251	44	0.582539	7.549477	0.018343
## 252	27	3.208202	10.174491	0.004619
## 253	96	1.178517	5.578532	0.020905
## 254	124	0.366009	2.303129	0.024621
## 255	65	2.789530	21.960102	0.011421
## 256	140	1.281044	13.390519	0.017719
## 257	93	2.389719	19.537651	0.019734
## 258	25	6.502960	60.810028	0.016912
## 259	72	0.730425	5.183003	0.020866
## 260	99	1.249314	12.947767	0.022098
## 261	123	0.984790	6.326540	0.020031
## 262	45	5.547432	25.651972	0.011517
## 263	74	5.644115	25.969610	0.010959
## 264	38	5.571626	19.276098	0.010683
## 265	32	3.699138	42.922737	0.025471
## 266	27	4.360076	13.687214	0.025302
## 267	25	4.388143	50.393261	0.022504
## 268	33	4.520278	19.595621	0.023757
## 269	25	4.702028	36.196365	0.025638
## 270	37	4.665609	12.835179	0.020259
## 271	36	4.565800	41.969193	0.022708
## 272	26	4.755078	17.010231	0.017196
## 273	25	3.759888	38.174408	0.020235
## 274	61	2.171193	6.677594	0.021661
## 275	31	2.059640	26.179148	0.016641
## 276	30	7.716242	18.678539	0.018045
## 277	58	7.911112	19.979248	0.022734
## 278	65	5.087772	27.478153	0.021747
## 279	25	4.261480	54.580795	0.019627

## 280	25	3.280967	20.970381	0.019834
## 281	82	7.932025	34.099670	0.022205
## 282	67	7.345005	33.003826	0.021493
## 283	25	5.887741	58.518951	0.017420
## 284	85	3.197760	21.483160	0.019544
## 285	60	1.401207	16.991184	0.017534
## 286	31	2.587842	14.512700	0.020084
## 287	34	0.529937	2.471145	0.017244
## 288	51	1.835562	8.011135	0.011494
## 289	31	0.392817	1.931629	0.021456
## 290	60	1.528851	6.608930	0.023014
## 291	46	0.301963	2.591614	0.021535
## 292	55	2.137123	7.020167	0.025329
## 293	38	0.376873	2.861262	0.020753
## 294	50	2.516708	11.944195	0.023622
## 295	66	2.866576	11.073011	0.021046
## 296	55	1.562172	17.895325	0.019445
## 297	32	2.390998	23.814890	0.020089
## 298	28	1.692833	5.098935	0.020819
## 299	57	1.699746	9.383692	0.022658
## 300	104	3.144551	9.710853	0.018708
## 301	25	6.729470	24.780973	0.021932
## 302	62	1.273543	4.445807	0.020024
## 303	49	1.885181	9.399513	0.020030
## 304	41	1.634712	16.212648	0.019717
## 305	48	0.468004	7.414904	0.021521
## 306	47	2.273441	13.063539	0.018536
## 307	29	0.090756	1.503907	0.020064
## 308	73	0.919901	4.956286	0.016135
## 309	67	0.969405	13.405435	0.017694
## 310	25	2.500152	23.722893	0.019314
## 311	28	1.656887	12.854222	0.016894
## 312	29	2.396491	14.801029	0.016988
## 313	27	0.711984	24.209200	0.015683
## 314	27	1.185065	18.829945	0.014825
## 315	94	0.260642	3.715498	0.017442
## 316	67	3.348976	16.895098	0.012634
## 317	62	4.360674	11.740029	0.017042
## 318	25	2.017822	9.771765	0.013235
## 319	25	4.788042	15.134369	0.013301
## 320	36	5.602787	17.871822	0.011431
## 321	25	4.258030	25.798870	0.020505
## 322	58	3.497129	13.106973	0.021233
## 323	32	3.665177	17.983673	0.021155
## 324	41	4.157315	16.049206	0.021112
## 325	36	1.956473	11.529056	0.021915
## 326	38	7.382888	23.291502	0.019495
## 327	44	4.568295	13.922745	0.022490
## 328	34	4.652851	23.217630	0.019994
## 329	47	4.144107	18.296328	0.021336
## 330	101	7.269444	15.781158	0.020934
## 331	35	3.467583	7.511174	0.018693
## 332	32	2.169525	6.526393	0.018690
## 333	32	2.244757	6.445325	0.018795

## 334	31	5.292947	11.418383	0.017602
## 335	33	1.322839	4.410495	0.018458
## 336	49	4.016780	19.161074	0.020385
## 337	26	3.626389	13.876367	0.018184
## 338	26	1.852093	7.594231	0.017351
## 339	51	3.571515	17.845932	0.019952
## 340	25	6.841848	43.834316	0.018213
## 341	38	7.930157	36.766232	0.018996
## 342	49	1.827263	6.975473	0.018584
## 343	26	3.760345	26.447927	0.017627
## 344	67	3.147858	12.963336	0.021204
## 345	59	5.939126	35.345791	0.019078
## 346	47	4.696710	22.203688	0.016848
## 347	59	11.373030	29.963655	0.017843
## 348	52	1.025837	7.783335	0.010648
## 349	44	2.467740	17.633537	0.011138
## 350	73	4.539232	11.584306	0.015887
## 351	31	2.509719	8.780883	0.016894
## 352	91	3.769770	18.281614	0.019663
## 353	29	1.602691	6.344428	0.019047
## 354	189	2.332685	11.614408	0.021942
## 355	42	1.694221	8.405926	0.017535
## 356	25	1.459701	9.339113	0.011957
## 357	36	5.051049	22.315346	0.017965
## 358	25	2.923160	26.669102	0.020720
## 359	108	1.431750	10.285676	0.023710
## 360	90	8.029251	22.341644	0.021188
## 361	38	5.532988	21.879225	0.006352
## 362	51	2.118586	10.510361	0.014645
## 363	25	3.720715	18.842646	0.002315
## 364	32	4.581799	18.796041	0.011402
## 365	25	1.318020	11.370403	0.011835
## 366	29	0.045377	0.800934	0.017127
## 367	44	1.897494	9.817827	0.016861
## 368	33	0.131747	0.879597	0.014090
## 369	38	7.234177	14.615594	0.016103
## 370	93	4.511932	15.781215	0.010356
## 371	25	5.007016	13.448404	0.011567
## 372	131	1.556122	4.548150	0.009149
## 373	32	0.126746	0.947098	0.007006
## 374	223	1.987445	6.203784	0.006931
## 375	107	0.665263	2.463762	0.011343
## 376	68	1.469261	4.371362	0.008917
## 377	149	0.128538	1.286783	0.010031
## 378	31	5.134372	12.704064	0.007125
## 379	25	1.878171	4.316553	0.003374
## 380	32	2.509692	8.028048	0.006999
## 381	79	2.761277	5.065773	0.004959
## 382	34	3.788847	14.047562	0.008075
## 383	35	2.662233	11.448059	0.004755
## 384	41	1.964201	10.238903	0.005223
## 385	26	3.090528	10.322388	0.003273
## 386	25	4.567097	15.080031	0.003638
## 387	38	2.855449	10.624346	0.002157

## 388	124	1.021636	6.011533	0.005498
## 389	211	2.778424	9.425882	0.011392
## 390	47	1.010263	4.951350	0.010587
## 391	43	1.155510	6.773956	0.008268
## 392	45	0.325278	2.579246	0.008435
## 393	49	1.199745	7.387911	0.009041
## 394	28	2.851471	14.060971	0.012397
## 395	45	1.611076	6.499939	0.006867
## 396	25	1.116639	9.288410	0.012186
## 397	46	0.090414	1.677466	0.016275
## 398	29	0.306656	1.673110	0.014622
## 399	138	0.486914	3.976328	0.012819
## 400	31	0.148124	2.334073	0.011619
## 401	27	2.990748	14.397559	0.011835
## 402	25	6.537388	24.532129	0.011798
## 403	47	2.954893	12.848051	0.014253
## 404	33	0.067599	0.798489	0.011178
## 405	38	2.833153	8.986240	0.007446
## 406	39	2.340638	10.238682	0.009687
## 407	25	1.885213	8.055540	0.007289
## 408	68	2.119607	7.523536	0.008276
## 409	50	4.155369	12.979942	0.016605
## 410	39	2.932438	10.236383	0.012219
## 411	100	3.583349	12.722677	0.013889
## 412	26	2.518257	8.687568	0.011921
## 413	63	1.230579	3.677268	0.009659
## 414	42	0.622116	5.975473	0.018519
## 415	112	0.427200	3.851552	0.018041
## 416	52	0.472435	2.659170	0.012084
## 417	25	3.194237	7.889245	0.015553
## 418	25	1.134871	6.789260	0.005995
## 419	25	5.135723	19.663454	0.017505
## 420	28	6.287269	16.798199	0.002779
## 421	43	2.217906	5.887341	0.008495
## 422	38	2.554663	9.205036	0.007567
## 423	166	1.704202	6.067369	0.009630
## 424	49	2.210672	7.549893	0.008221
## 425	30	0.936450	3.419383	0.008814
## 426	168	2.461080	6.866000	0.008974
## 427	67	4.714830	12.952213	0.005967
## 428	139	1.069151	4.945581	0.010604
## 429	54	1.701821	6.560200	0.011702
## 430	77	0.075335	0.832691	0.013035
## 431	25	3.119962	11.049686	0.010508
## 432	25	5.440403	12.400593	0.010995
## 433	25	1.219341	5.289560	0.010042
## 434	43	2.558491	9.868813	0.008415
## 435	25	2.088171	6.810815	0.008830
## 436	44	1.582178	4.642281	0.003805
## 437	25	1.636965	7.542478	0.004066
## 438	64	1.096165	3.543476	0.007293
## 439	28	1.621059	6.467594	0.009781
## 440	54	1.331621	4.378243	0.010526
## 441	34	2.515630	6.807985	0.012583

## 442	94	0.906477	2.953394	0.009932
## 443	59	0.664435	2.704049	0.009884
## 444	25	2.001088	5.742432	0.009983
## 445	25	0.556974	3.104577	0.007424
## 446	25	1.589806	4.061024	0.013663
## 447	34	2.876116	8.195107	0.011775
## 448	25	2.624326	16.790251	0.013219
## 449	77	0.855038	4.021835	0.005764
## 450	94	0.243799	1.236437	0.012387
## 451	49	0.236810	1.469321	0.018575
## 452	79	0.063145	0.847326	0.018352
## 453	123	0.734667	2.491575	0.019706
## 454	203	2.807980	8.131144	0.013674
## 455	31	1.715803	5.203419	0.011995
## 456	34	0.842033	2.656486	0.015926
## 457	37	2.150262	13.184696	0.015984
## 458	47	1.189837	4.466986	0.013241
## 459	36	1.891332	10.767630	0.010333
## 460	80	2.102002	8.764653	0.013574
## 461	25	0.326754	3.456037	0.015310
## 462	43	1.657187	8.276956	0.015079
## 463	25	1.417774	7.007655	0.009345
## 464	36	4.885931	23.147579	0.025023
## 465	25	2.936665	27.164352	0.022924
## 466	119	1.334332	9.486464	0.027664
## 467	94	7.580803	21.286266	0.013249
## 468	25	2.705583	10.384280	0.005867
## 469	37	2.105901	5.901266	0.010308
## 470	25	2.692309	8.237184	0.011905
## 471	30	1.864774	6.468755	0.014478
## 472	25	3.890825	15.632520	0.009416
## 473	27	1.127572	5.501267	0.009615
## 474	46	5.257557	19.455303	0.008754
## 475	41	5.823124	22.468733	0.016617
## 476	25	12.664769	21.866997	0.013686
## 477	26	1.278875	3.663687	0.016335
## 478	42	3.302731	15.559587	0.017916
## 479	25	5.545556	20.230257	0.015175
## 480	43	1.839849	13.122635	0.013835
## 481	48	0.046619	0.965941	0.018497
## 482	32	7.911578	16.980751	0.014617
## 483	32	0.638720	3.624131	0.014324
## 484	27	1.481425	7.713138	0.015872
## 485	46	3.552123	10.649973	0.013332
## 486	36	0.145238	0.946544	0.012118
## 487	40	0.323744	2.417311	0.015255
## 488	63	1.567258	15.417964	0.013054
## 489	51	4.022978	10.655621	0.012119
## 490	55	4.941919	8.347608	0.010231
## 491	39	2.252105	5.777782	0.008821
## 492	38	2.145578	6.146369	0.009076
## 493	36	2.640964	10.703310	0.008804
## 494	39	3.658829	19.659111	0.010257
## 495	129	0.981877	4.790298	0.012535

## 496	50	2.097271	5.330614	0.016483
## 497	74	2.301298	7.677455	0.013533
## 498	25	2.559653	8.096186	0.014787
## 499	152	1.231639	4.185755	0.014186
## 500	25	3.956239	12.324716	0.012882
## 501	49	3.477067	11.470051	0.017804
## 502	25	4.108419	11.891621	0.012632
## 503	25	4.917176	12.214688	0.016994
## 504	41	1.719587	6.056762	0.020955
## 505	25	2.908762	11.920532	0.016723
## 506	36	2.380285	16.626671	0.017212
## 507	25	1.527199	13.425202	0.016340
## 508	34	0.173618	1.894444	0.018201
## 509	35	4.408277	7.982136	0.018369
## 510	45	0.597696	3.301750	0.015247
## 511	235	3.054869	13.814806	0.016146
## 512	42	1.683737	8.521474	0.023032
## 513	25	1.415065	6.744553	0.024142
## 514	36	4.110980	18.808525	0.024507
## 515	25	3.239407	29.422110	0.022773
## 516	79	2.164252	14.104657	0.029575
## 517	31	2.721226	8.716082	0.013888
## 518	25	3.051094	11.312203	0.000290
## 519	64	1.517067	5.918155	0.009457
## 520	26	1.185679	3.211473	0.011009
## 521	35	2.238358	9.819512	0.009844
## 522	63	2.833773	12.016686	0.011319
## 523	36	1.171229	2.664757	0.019466
## 524	41	1.464812	6.245120	0.016619
## 525	73	2.810236	7.468648	0.016156
## 526	66	1.560569	6.188422	0.019095
## 527	32	0.324350	8.527071	0.015501
## 528	55	1.059400	5.589220	0.015575
## 529	25	2.285118	19.741159	0.017684
## 530	43	3.112136	16.417467	0.018675
## 531	47	0.820353	4.611831	0.016233
## 532	25	2.126733	14.563690	0.012921
## 533	39	1.450477	10.757949	0.016765
## 534	43	3.520006	14.741223	0.017970
## 535	35	2.753516	12.910011	0.018721
## 536	26	2.093150	4.941529	0.012838
## 537	30	0.705653	3.432408	0.017139
## 538	25	3.914211	24.658422	0.014280
## 539	29	3.271779	19.323610	0.015982
## 540	38	0.725487	3.515399	0.015191
## 541	25	2.254616	15.382489	0.016269
## 542	25	5.397837	20.411610	0.015559
## 543	98	0.920141	4.247380	0.018102
## 544	113	0.667736	2.477639	0.016010
## 545	25	2.402463	13.353847	0.011197
## 546	30	2.641207	11.521203	0.005923
## 547	25	2.310300	13.680631	0.012301
## 548	32	2.107758	9.541720	0.018274
## 549	26	2.800279	16.274225	0.012408

## 550	37	2.899955	8.992906	0.014877
## 551	36	3.817205	15.961548	0.016942
## 552	41	7.281091	17.464092	0.016250
## 553	34	0.445236	7.021688	0.015199
## 554	35	1.872331	15.571952	0.005865
## 555	34	1.763910	11.042745	0.010964
## 556	35	1.905089	10.386800	0.009626
## 557	37	1.694903	11.439535	0.008379
## 558	69	0.986153	10.247195	0.011843
## 559	25	0.998704	4.109710	0.010038
## 560	41	2.984245	15.913126	0.000945
## 561	25	2.281287	11.693789	0.001598
## 562	25	1.590448	8.483653	0.001616
## 563	36	4.073405	16.694359	0.001723
## 564	25	3.036211	24.831369	0.004914
## 565	54	2.849369	7.337507	0.010532
## 566	32	2.693383	21.704844	0.010662
## 567	42	0.601210	3.138004	0.014580
## 568	62	3.192832	13.262472	0.011823
## 569	75	3.682456	9.119386	0.013274
## 570	78	4.101218	11.698610	0.011776
## 571	40	0.925094	4.520833	0.012029
## 572	31	0.706518	4.471008	0.007976
## 573	57	2.187628	9.273856	0.012553
## 574	185	2.978176	11.054266	0.012194
## 575	946	0.486932	3.418515	0.012441
## 576	393	0.673872	3.279854	0.014325
## 577	170	0.538756	3.057914	0.015452
## 578	142	0.622159	3.957297	0.015121
## 579	67	0.153614	3.126897	0.006439
## 580	38	1.512353	3.207943	0.020974
## 581	25	1.001188	11.959332	0.026332
## 582	39	7.052688	26.476654	0.019654
## 583	25	1.476583	11.764052	0.017353
## 584	33	1.667618	12.049068	0.019509
## 585	26	2.733284	16.834377	0.016550
## 586	46	1.160539	6.753657	0.015988
## 587	25	4.014016	12.273520	0.025299
## 588	40	2.036577	10.155230	0.016522
## 589	25	3.540738	20.796448	0.019830
## 590	25	2.124494	11.392414	0.020164
## 591	25	4.551780	19.460535	0.016701
## 592	32	2.361387	12.039884	0.018611
## 593	38	5.839392	30.428858	0.020315
## 594	26	7.396738	24.422880	0.020351
## 595	26	6.052974	11.466966	0.017061
## 596	27	2.985332	22.316223	0.017680
## 597	27	2.257334	7.855265	0.021051
## 598	25	7.353375	13.839760	0.016806
## 599	27	3.669655	25.348587	0.019545
## 600	25	4.143279	27.942122	0.014814
## 601	36	1.833107	13.520147	0.014543
## 602	35	3.120666	17.422598	0.019634
## 603	28	0.097438	1.462032	0.012727

## 604	78	1.219561	8.483450	0.018908
## 605	41	10.289176	5.429287	0.018358
## 606	268	3.224527	11.422240	0.019327
## 607	62	0.516019	3.348578	0.015669
## 608	95	2.183467	7.089160	0.018699
## 609	110	6.553941	15.020685	0.016117
## 610	207	4.213140	12.322880	0.017188
## 611	58	6.303642	22.695646	0.014978
## 612	35	2.935890	15.252900	0.025433
## 613	25	3.319147	10.893698	0.022242
## 614	25	2.208020	7.624187	0.020739
## 615	57	1.879596	9.966216	0.026128
## 616	38	1.772812	6.183917	0.025593
## 617	29	1.459767	8.167702	0.017510
## 618	32	2.365479	14.983423	0.021115
## 619	32	0.830457	7.475023	0.018140
## 620	41	3.401903	11.147045	0.020223
## 621	31	2.040952	10.762465	0.021754
## 622	30	3.166294	24.815977	0.022618
## 623	25	2.230242	13.290542	0.020969
## 624	37	1.061330	8.138472	0.018804
## 625	25	7.164371	27.493620	0.017546
## 626	44	1.441269	11.933102	0.017915
## 627	38	2.319440	12.474510	0.021086
## 628	135	0.108761	1.713888	0.022561
## 629	25	2.229314	23.308466	0.014172
## 630	25	2.618856	22.917797	0.015541
## 631	25	2.844923	15.138341	0.010676
## 632	90	0.667980	3.788616	0.017307
## 633	42	5.373244	15.028584	0.013992
## 634	89	1.028172	4.856548	0.017282
## 635	85	2.862723	8.598791	0.015210
## 636	81	1.751296	15.215216	0.015492
## 637	30	1.033202	9.269146	0.022202
## 638	56	4.083961	17.523478	0.017309
## 639	168	3.137448	12.281266	0.016114
## 640	25	1.512207	20.792109	0.018402
## 641	31	6.180396	40.185978	0.014583
## 642	25	2.000610	11.585789	0.020478
## 643	39	5.439275	20.311871	0.018916
## 644	25	5.823274	14.124321	0.016017
## 645	25	1.634157	6.152047	0.017349
## 646	43	3.791457	10.490386	0.017414
## 647	51	0.491696	7.838870	0.016368
## 648	101	1.891682	8.046714	0.017411
## 649	25	3.252492	26.810265	0.015509
## 650	37	0.706584	4.578094	0.011081
## 651	25	0.584046	3.831960	0.012337
## 652	25	3.640762	12.071064	0.021334
## 653	25	1.061709	5.250806	0.015653
## 654	25	1.622507	11.870400	0.013281
## 655	29	1.514693	4.752167	0.015215
## 656	64	1.513970	6.765915	0.017607
## 657	35	5.059019	15.959719	0.018136

## 658	25	1.739201	10.845786	0.015436
## 659	44	1.064383	6.403377	0.015918
## 660	25	1.620021	7.588703	0.013993
## 661	65	1.472169	5.760173	0.016198
## 662	112	0.488578	4.548127	0.018079
## 663	70	0.077440	1.191418	0.019241
## 664	37	2.395139	15.294892	0.016721
## 665	25	2.402055	8.735839	0.018992
## 666	25	2.831037	14.318743	0.013565
## 667	44	1.802269	6.743418	0.019732
## 668	79	1.397694	6.899621	0.014194
## 669	25	3.700593	10.946339	0.016988
## 670	41	1.442952	9.566200	0.010614
## 671	44	4.081669	16.923286	0.016648
## 672	39	1.626429	7.633329	0.015169
## 673	33	2.377055	10.658488	0.018456
## 674	36	8.720229	22.621489	0.027549
## 675	106	1.466969	9.057294	0.022355
## 676	121	1.197052	7.337498	0.020929
## 677	84	0.105035	1.361081	0.019025
## 678	57	0.965933	10.488987	0.020044
## 679	63	7.751338	7.082425	0.017228
## 680	56	0.036625	0.297515	0.016615
## 681	25	11.982826	23.897388	0.015214
## 682	25	3.247955	20.528824	0.012870
## 683	106	2.098848	9.827531	0.008265
## 684	401	0.666516	4.300651	0.016057
## 685	436	0.016062	2.558532	0.014855
## 686	71	1.099044	5.857426	0.016939
## 687	130	0.023219	2.745100	0.010539
## 688	191	0.183138	2.617028	0.015182
## 689	335	0.162921	1.641229	0.014266
## 690	272	0.146430	1.651978	0.017305
## 691	109	0.740937	4.440603	0.016576
## 692	29	1.403362	23.542219	0.015355
## 693	41	0.919325	13.241477	0.011497
## 694	63	0.776025	6.638541	0.013743
## 695	41	0.264526	2.763096	0.011178
## 696	34	1.261082	22.583714	0.013798
## 697	27	1.564844	24.236233	0.013474
## 698	29	1.361545	25.643328	0.011532
## 699	26	0.406351	6.100364	0.008784
## 700	290	0.414099	3.703933	0.017130
## 701	281	0.023916	2.681459	0.016109
## 702	212	0.399275	2.962648	0.015086
## 703	516	0.256793	1.923752	0.015089
## 704	822	0.123945	1.619709	0.015136
## 705	372	0.331795	2.660636	0.016238
## 706	391	0.010680	2.521877	0.014432
## 707	211	0.328096	2.884233	0.015759
## 708	277	0.024990	2.426280	0.014550
## 709	300	0.161173	2.035386	0.016291
## 710	174	5.147010	16.085201	0.014684
## 711	354	0.525263	3.930806	0.015678

## 712	182	0.464552	2.947858	0.014423
## 713	321	0.016230	2.445115	0.015076
## 714	271	0.806716	3.514487	0.016102
## 715	460	0.536493	3.548396	0.015729
## 716	2850	4.074391	11.713734	0.018643
## 717	255	0.884600	5.499998	0.018229
## 718	222	0.318329	2.728758	0.016944
## 719	599	0.036898	2.333894	0.016924
## 720	134	0.341996	3.577492	0.016705
## 721	187	0.133666	2.306261	0.017170
## 722	25	5.431471	28.221889	0.011181
## 723	52	1.934415	9.235858	0.014178
## 724	88	0.888135	5.702112	0.011910
## 725	54	0.384768	2.201026	0.014493
## 726	64	3.000615	12.113605	0.020088
## 727	61	3.440130	6.194535	0.019287
## 728	59	1.841931	9.853175	0.018358
## 729	33	2.131648	6.849952	0.015516
## 730	62	0.353547	1.835318	0.019075
## 731	90	1.036308	5.292005	0.018761
## 732	76	2.472798	17.329552	0.020364
## 733	93	2.318882	13.236965	0.018602
## 734	43	0.348555	3.005036	0.018004
## 735	37	6.950181	13.639452	0.017766
## 736	30	3.883281	10.773965	0.017231
## 737	30	0.087728	1.592109	0.019823
## 738	39	2.965923	9.894355	0.021355
## 739	31	3.707631	15.200624	0.017510
## 740	33	1.856806	7.800179	0.015862
## 741	31	0.237713	3.577158	0.017134
## 742	43	6.131164	18.006422	0.016394
## 743	25	3.338225	17.384829	0.013932
## 744	57	0.571899	2.384378	0.016719
## 745	46	5.521633	14.818987	0.014030
## 746	25	4.774321	27.404926	0.016030
## 747	32	1.882189	9.829348	0.016863
## 748	38	1.373215	7.500586	0.017381
## 749	53	2.319804	8.805450	0.018196
## 750	45	5.050413	10.441436	0.017475
## 751	63	0.349957	2.266988	0.014837
## 752	30	0.105272	1.454582	0.014532
## 753	34	3.374922	17.324762	0.013996
## 754	43	4.405560	11.918936	0.015297
## 755	25	1.019666	3.618201	0.013923
## 756	26	4.927814	23.337461	0.014026
## 757	27	3.082370	8.107418	0.018759
## 758	35	1.648434	11.563655	0.012430
## 759	82	3.044990	12.085643	0.017597
## 760	25	3.096808	22.853516	0.018623
## 761	69	0.656342	3.371027	0.020497
## 762	91	4.198717	9.202977	0.019812
## 763	95	0.049273	1.268863	0.019249
## 764	30	0.026834	1.829741	0.022381
## 765	105	0.971626	3.091556	0.025457

## 766	114	0.405391	2.643613	0.020363
## 767	58	0.032129	1.505504	0.013800
## 768	97	2.738726	7.240896	0.020695
## 769	25	0.212424	3.067824	0.016639
## 770	87	0.177422	1.666958	0.021899
## 771	25	0.162067	3.856950	0.021538
## 772	77	0.181429	5.496439	0.019383
## 773	72	6.850380	14.387449	0.018829
## 774	29	0.655963	3.357183	0.015517
## 775	47	0.515255	3.448514	0.008860
## 776	49	0.133323	1.955970	0.023621
## 777	78	0.579390	3.019108	0.020183
## 778	167	4.940152	12.352314	0.018526
## 779	58	11.521880	22.441984	0.018126
## 780	97	4.166466	11.121260	0.019003
## 781	72	2.761983	11.418902	0.019722
## 782	220	0.341326	4.083033	0.018798
## 783	260	0.238269	1.870535	0.020661
## 784	97	0.427780	2.718757	0.019000
## 785	63	0.404314	1.842064	0.017305
## 786	100	0.108967	1.501737	0.019835
## 787	113	2.870338	9.910916	0.019854
## 788	130	1.804790	9.604646	0.019261
## 789	80	0.759333	2.928973	0.015701
## 790	49	0.075030	1.178738	0.015854
## 791	135	0.429783	2.504678	0.017812
## 792	70	2.188663	9.975502	0.015228
## 793	49	5.394826	14.331109	0.016438
## 794	25	1.093545	18.523100	0.018131
## 795	76	1.505525	8.151015	0.025145
## 796	44	2.230756	7.830090	0.013925
## 797	109	0.100964	2.242995	0.017098
## 798	31	5.799284	40.358891	0.010963
## 799	25	2.158315	11.925052	0.019294
## 800	39	5.363566	20.096998	0.013377
## 801	25	5.867529	14.213046	0.007403
## 802	25	1.681024	6.774650	0.019215
## 803	43	3.798966	10.567206	0.016930
## 804	48	0.607590	8.116673	0.015189
## 805	40	0.238251	0.984948	0.017630
## 806	25	3.447641	14.640838	0.016291
## 807	239	0.384590	3.003406	0.012746
## 808	286	1.763260	5.484491	0.014874
## 809	486	0.026598	1.301405	0.014000
## 810	512	0.720182	3.463357	0.015364
## 811	145	0.406569	2.453696	0.011498
## 812	602	0.015047	2.360610	0.012995
## 813	488	0.572760	3.122842	0.013611
## 814	1393	0.461629	3.430710	0.012831
## 815	720	0.596755	2.965179	0.013622
## 816	189	0.652478	3.064978	0.012027
## 817	143	0.419934	3.217357	0.013325
## 818	25	6.666307	24.606447	0.007881
## 819	205	0.464646	3.099300	0.016846

## 820	178	0.439921	2.672717	0.015849
## 821	322	0.016118	2.617684	0.015073
## 822	734	0.712911	3.474111	0.013937
## 823	1036	0.483120	3.147527	0.014845
## 824	78	0.514430	4.110719	0.014997
## 825	126	0.414278	3.803694	0.017341
## 826	43	0.262866	9.133017	0.014993
## 827	114	1.500782	5.365431	0.016665
## 828	186	1.732200	5.900935	0.011287
## 829	191	4.848828	12.072058	0.017760
## 830	331	2.739646	9.123239	0.021081
## 831	322	3.535988	10.118362	0.019406
## 832	208	0.449224	4.294093	0.017261
## 833	126	3.881627	9.938329	0.018228
## 834	83	3.658107	15.353345	0.021128
## 835	33	1.061521	11.355667	0.017998
## 836	98	0.783486	7.689770	0.016654
## 837	45	1.301778	4.462875	0.018297
## 838	53	0.233727	2.712890	0.022020
## 839	86	2.249210	10.448569	0.021218
## 840	41	2.872329	14.777755	0.015000
## 841	93	0.778291	5.669611	0.020890
## 842	28	7.225478	30.691395	0.015541
## 843	45	0.872462	8.292908	0.021361
## 844	61	0.942627	5.221579	0.020589
## 845	51	1.731319	7.600262	0.021997
## 846	44	4.283463	10.858115	0.026431
## 847	69	4.684713	17.315269	0.020240
## 848	49	1.051036	4.888213	0.019386
## 849	25	4.825133	21.710499	0.017983
## 850	33	9.548109	23.814232	0.019846
## 851	57	7.366097	19.633051	0.017843
## 852	49	4.114808	10.245454	0.020981
## 853	56	6.832975	23.995464	0.021014
## 854	41	3.425074	13.043179	0.018310
## 855	99	7.778303	11.924724	0.020272
## 856	50	2.741509	16.561188	0.021477
## 857	75	0.081889	1.729417	0.023925
## 858	44	2.061001	18.061338	0.022289
## 859	80	0.795354	5.739727	0.020842
## 860	54	0.786357	3.241391	0.014515
## 861	32	1.466625	8.153031	0.019196
## 862	189	2.696404	11.010807	0.017536
## 863	96	0.827562	3.375944	0.016957
## 864	43	1.936444	4.668674	0.016606
## 865	62	2.432422	20.367554	0.016418
## 866	71	0.714062	5.215283	0.017497
## 867	30	1.403919	8.927836	0.015534
## 868	33	0.752191	3.778988	0.017947
## 869	28	1.111839	5.731909	0.019704
## 870	25	3.081379	13.978269	0.017827
## 871	38	1.129518	4.497977	0.010862
## 872	25	2.475059	13.159403	0.017573
## 873	25	1.142273	13.709672	0.013894

## 874	44	1.035517	11.068219	0.017180
## 875	34	0.698409	4.153144	0.016219
## 876	90	0.157563	1.857588	0.016723
## 877	56	0.800100	4.487814	0.018772
## 878	224	0.682276	5.438380	0.017407
## 879	133	6.029670	19.455542	0.021976
## 880	45	0.802700	4.780282	0.021772
## 881	66	1.552668	6.597211	0.018543
## 882	68	3.025251	8.009817	0.014538
## 883	72	2.101297	9.157444	0.016488
## 884	110	0.350830	2.445423	0.019746
## 885	95	4.864641	11.082088	0.019861
## 886	79	2.946941	11.352674	0.019792
## 887	43	0.490925	4.569714	0.023044
## 888	106	5.564955	18.701952	0.019694
## 889	176	1.132791	4.885578	0.020192
## 890	25	0.909177	11.613590	0.017082
## 891	62	1.309192	13.595553	0.018383
## 892	61	7.797662	7.299788	0.017165
## 893	75	0.030360	0.318806	0.018287
## 894	25	3.330059	14.496103	0.015284
## 895	174	0.562002	3.459840	0.021786
## 896	573	0.673533	3.400837	0.013623
## 897	469	0.562765	3.135813	0.014173
## 898	441	0.217861	2.456204	0.014611
## 899	307	1.005042	2.900951	0.016442
## 900	25	3.716308	18.668665	0.014320
## 901	315	0.197377	2.368557	0.015853
## 902	25	2.867736	19.779154	0.012681
## 903	313	0.196713	2.650670	0.015967
## 904	34	0.201236	4.035561	0.015023
## 905	319	0.128298	2.551613	0.015423
## 906	284	0.139962	2.464578	0.016470
## 907	25	1.495972	23.521696	0.008660
## 908	217	0.098804	2.316929	0.016569
## 909	121	0.292625	4.258324	0.016211
## 910	53	0.411449	9.008476	0.016227
## 911	262	0.098440	1.885589	0.015262
## 912	196	0.138995	2.992969	0.017212
## 913	539	0.509505	2.920471	0.013954
## 914	44	0.297575	4.038948	0.010832
## 915	51	3.613262	10.551400	0.010962
## 916	74	4.126241	13.859855	0.014772
## 917	33	0.842292	11.470766	0.012469
## 918	40	4.089325	12.816945	0.013698
## 919	45	1.811757	8.853973	0.016030
## 920	80	1.873858	9.379103	0.007068
## 921	53	5.775115	17.671286	0.017189
## 922	60	3.110671	13.393625	0.024826
## 923	33	5.061020	24.583954	0.021086
## 924	25	0.419359	3.498261	0.020274
## 925	102	2.182731	11.978634	0.020189
## 926	86	3.607983	12.800096	0.018071
## 927	54	0.190362	1.227532	0.017725

## 928	269	0.743086	4.253191	0.018405
## 929	236	0.198126	1.649570	0.017942
## 930	247	0.522024	3.368913	0.016203
## 931	361	0.307299	1.743998	0.015451
## 932	225	0.630614	5.776083	0.016305
## 933	134	6.044444	19.608051	0.010670
## 934	45	0.791644	4.467829	0.022732
## 935	65	1.546411	6.416686	0.021367
## 936	69	3.129849	8.366284	0.019171
## 937	71	2.097845	9.043540	0.015839
## 938	111	0.371106	2.624518	0.017659
## 939	94	4.899692	10.925479	0.019122
## 940	80	2.996725	11.555647	0.019957
## 941	43	0.476286	4.396280	0.020135
## 942	106	5.581551	18.713236	0.021486
## 943	174	1.118648	4.764536	0.019336
## 944	25	0.931550	10.721374	0.015261
## 945	25	3.921028	43.307484	0.023127
## 946	36	2.893977	12.340281	0.019317
## 947	25	6.028376	20.700264	0.017382
## 948	41	5.432440	19.142242	0.016898
## 949	25	1.502778	5.947404	0.016819
## 950	44	3.700185	10.221941	0.016869
## 951	51	0.539235	7.918685	0.016921
## 952	57	6.457696	21.756874	0.021237
## 953	34	2.814774	13.771799	0.022872
## 954	25	2.485501	11.494917	0.014770
## 955	25	2.168814	7.571103	0.022342
## 956	58	1.934812	10.470160	0.015575
## 957	38	1.913702	6.685232	0.014788
## 958	28	1.256897	6.758926	0.015074
## 959	32	2.384348	14.833754	0.014908
## 960	32	0.830341	7.513630	0.021936
## 961	41	3.430931	11.197773	0.014049
## 962	31	2.193494	10.668238	0.012666
## 963	30	3.172520	25.024097	0.022153
## 964	25	2.240026	13.005581	0.017936
## 965	38	1.121102	8.490978	0.019485
## 966	25	7.382782	27.274172	0.022796
## 967	43	1.359856	11.261044	0.020283
## 968	38	2.350208	12.283728	0.021047
## 969	133	0.147954	1.837997	0.022023
## 970	33	1.991767	10.808629	0.024657
## 971	25	2.480118	9.150661	0.018626
## 972	25	2.719790	13.694230	0.020838
## 973	45	1.800367	6.795665	0.017554
## 974	79	1.401405	6.821580	0.020516
## 975	25	3.747728	11.852096	0.020189
## 976	40	1.499685	9.379157	0.022722
## 977	25	4.501919	18.794640	0.019905
## 978	59	2.567617	12.892027	0.017847
## 979	32	2.343655	9.829373	0.017148
## 980	37	8.970857	23.328733	0.013711
## 981	105	1.365817	8.777032	0.015543

## 982	122	1.338933	7.852094	0.015969
## 983	83	0.100810	1.162973	0.023613
## 984	59	1.904486	14.322745	0.019442
## 985	61	7.422499	6.450388	0.024947
## 986	25	1.358122	16.379589	0.015079
## 987	25	4.083520	21.462536	0.016873
## 988	72	2.714981	11.893742	0.020691
## 989	424	0.665270	3.808948	0.017300
## 990	241	0.967383	4.230434	0.011121
## 991	622	0.007685	2.087078	0.014199
## 992	363	7.890455	22.356285	0.016175
## 993	116	0.640043	3.107487	0.013806
## 994	1942	0.486008	3.563455	0.016477
## 995	501	0.718449	3.616960	0.016572
## 996	2083	2.929312	8.850655	0.015571
## 997	95	0.362248	2.684313	0.015475
## 998	173	0.769214	3.925717	0.016335
## 999	26	0.076986	4.843228	0.012904
## 1000	101	0.265961	4.739630	0.017460
## 1001	65	0.345149	4.435616	0.020408
## 1002	133	0.558371	5.787074	0.017075
## 1003	103	0.184732	2.276587	0.010802
## 1004	184	0.674121	5.636734	0.012245
## 1005	69	0.334025	2.834134	0.013893
## 1006	59	0.839558	10.553161	0.013257
## 1007	25	1.284278	21.225336	0.018297
## 1008	70	0.768475	8.637184	0.022289
## 1009	40	1.482799	8.282210	0.010061
## 1010	25	4.958520	25.822954	0.016263
## 1011	87	1.406482	5.687543	0.012615
## 1012	71	2.460301	7.438550	0.014904
## 1013	82	3.363607	12.440466	0.020425
## 1014	45	0.863396	5.958405	0.014882
## 1015	34	0.904068	3.223993	0.017625
## 1016	38	2.030906	11.591578	0.012007
## 1017	58	1.405559	5.706409	0.018008
## 1018	66	4.068945	14.776962	0.012562
## 1019	94	2.014507	7.088465	0.015369
## 1020	75	3.610251	27.069738	0.019045
## 1021	41	0.593222	5.861957	0.011613
## 1022	26	0.314214	3.427656	0.012701
## 1023	104	1.330588	7.262306	0.016263
## 1024	169	0.354278	5.515435	0.014012
## 1025	133	0.982590	5.465432	0.016579
## 1026	61	3.301661	16.473749	0.015061
## 1027	61	3.711614	11.345828	0.017813
## 1028	56	3.283201	8.378325	0.017980
## 1029	34	5.642799	31.940523	0.013180
## 1030	37	3.801548	23.018753	0.013102
## 1031	94	3.623217	15.698388	0.015717
## 1032	36	1.318582	6.949230	0.012641
## 1033	36	1.901800	6.440917	0.015704
## 1034	25	1.410682	16.913572	0.015443
## 1035	152	1.386280	7.956351	0.015758

## 1036	67	0.183067	1.769382	0.017178
## 1037	68	0.105259	2.473209	0.016454
## 1038	97	0.159146	3.309415	0.016353
## 1039	88	0.186663	2.650429	0.017676
## 1040	56	0.326020	2.546648	0.014876
## 1041	68	2.186373	8.251736	0.012687
## 1042	42	0.631935	8.708747	0.013475
## 1043	148	0.648731	4.861665	0.015627
## 1044	53	0.615177	5.461955	0.011318
## 1045	970	0.519547	2.537250	0.016443
## 1046	540	0.556594	2.931333	0.013742
## 1047	180	0.526165	3.631166	0.014538
## 1048	536	0.089672	2.211196	0.013796
## 1049	561	0.335027	3.178257	0.015916
## 1050	1213	0.551522	3.087004	0.013910
## 1051	608	0.373675	3.119918	0.013834
## 1052	311	0.021107	2.266811	0.014520
## 1053	752	0.488280	3.491908	0.015817
## 1054	148	0.403108	4.066367	0.015154
## 1055	933	0.510350	3.241554	0.014216
## 1056	168	0.366325	3.090722	0.015194
## 1057	1002	0.406780	2.624245	0.014502
## 1058	835	5.094797	16.834860	0.014917
## 1059	54	4.059838	21.515541	0.012349
## 1060	400	0.920961	4.447555	0.014214
## 1061	233	0.937466	4.025857	0.014733
## 1062	131	0.572333	4.466023	0.013460
## 1063	197	0.097708	1.743693	0.014642
## 1064	58	1.555620	7.496520	0.016846
## 1065	36	0.468704	4.175105	0.013515
## 1066	38	2.071695	6.401379	0.016061
## 1067	56	2.738917	7.753207	0.012412
## 1068	112	4.935631	9.221543	0.016848
## 1069	64	3.185547	6.757819	0.011756
## 1070	38	3.636752	18.692192	0.016015
## 1071	25	6.731765	28.052681	0.013120
## 1072	47	1.195595	7.375531	0.015050
## 1073	74	0.241482	1.572682	0.014095
## 1074	55	2.134737	6.343196	0.016011
## 1075	28	3.130355	7.321826	0.014354
## 1076	25	1.473820	5.274432	0.012404
## 1077	120	1.991058	7.777101	0.015038
## 1078	61	0.514802	2.440697	0.014826
## 1079	33	0.000550	0.225028	0.014231
## 1080	25	0.853100	4.145879	0.018857
## 1081	25	0.381254	3.673122	0.016436
## 1082	25	8.851257	15.102342	0.015630
## 1083	93	0.352973	2.968154	0.018536
## 1084	68	2.660845	9.935719	0.020647
## 1085	61	1.213520	12.934122	0.017898
## 1086	62	8.534253	8.029851	0.018410
## 1087	36	3.918756	25.380999	0.017667
## 1088	34	2.321252	30.302633	0.018565
## 1089	65	1.867298	16.031006	0.019129

## 1090	25	3.416567	19.556398	0.014321
## 1091	27	0.410382	2.730444	0.014484
## 1092	25	0.691251	9.679397	0.014835
## 1093	81	2.775775	11.931564	0.018650
## 1094	52	0.708997	7.573502	0.020801
## 1095	28	3.447686	10.831476	0.015969
## 1096	55	1.820181	11.922295	0.018303
## 1097	37	1.870716	6.193075	0.019334
## 1098	136	2.659235	8.284986	0.017179
## 1099	139	1.364419	7.326551	0.023045
## 1100	41	6.633937	31.762314	0.020849
## 1101	82	1.528328	7.555593	0.020631
## 1102	265	3.237717	11.389932	0.016872
## 1103	62	0.503847	3.290651	0.020080
## 1104	95	2.213112	7.123096	0.019285
## 1105	110	6.537829	15.019637	0.018682
## 1106	206	4.132682	12.126119	0.019822
## 1107	76	4.128179	17.611532	0.015909
## 1108	33	1.072945	11.552245	0.016666
## 1109	99	0.793566	7.827744	0.018375
## 1110	44	1.266226	4.097105	0.013149
## 1111	53	0.239297	2.602025	0.015607
## 1112	86	2.207405	10.281656	0.017611
## 1113	41	2.830411	14.772044	0.017045
## 1114	93	0.774682	5.677684	0.014700
## 1115	28	7.301013	30.842148	0.016062
## 1116	45	0.849079	8.025811	0.028351
## 1117	61	0.950503	5.157414	0.020680
## 1118	51	1.723054	7.542293	0.015217
## 1119	44	4.289708	10.902746	0.022022
## 1120	69	4.629833	17.380209	0.017532
## 1121	49	1.069717	4.946298	0.021211
## 1122	26	4.781231	22.028927	0.017174
## 1123	32	9.507092	23.220743	0.020670
## 1124	57	7.467816	19.890274	0.022484
## 1125	50	4.039605	10.659382	0.025768
## 1126	56	6.581515	23.938749	0.018720
## 1127	41	3.372417	12.699150	0.020404
## 1128	98	7.889721	11.861804	0.019304
## 1129	25	0.508501	5.740112	0.015188
## 1130	25	9.979660	23.476763	0.019951
## 1131	104	2.719117	13.319668	0.019982
## 1132	190	1.077687	5.313617	0.021552
## 1133	450	0.009197	2.146348	0.017956
## 1134	270	7.674182	22.231579	0.015722
## 1135	394	0.370107	2.782628	0.015002
## 1136	190	0.798674	6.051515	0.012379
## 1137	351	0.519296	2.371870	0.016492
## 1138	350	0.012023	2.096755	0.015981
## 1139	425	0.538467	3.343814	0.015651
## 1140	25	3.123345	18.161013	0.018482
## 1141	117	0.526445	3.799660	0.016196
## 1142	127	0.599503	8.095116	0.016608
## 1143	111	0.281792	3.533812	0.016104

## 1144	110	0.337424	3.850565	0.016764
## 1145	451	0.770570	4.154469	0.017371
## 1146	25	0.722785	15.350550	0.011987
## 1147	114	0.434151	4.139699	0.017703
## 1148	25	0.955731	24.213341	0.011147
## 1149	98	0.312056	5.039291	0.017946
## 1150	114	0.285189	4.524657	0.013965
## 1151	63	0.228974	5.389058	0.017512
## 1152	449	0.756399	4.189395	0.016885
## 1153	25	1.992166	18.659996	0.012533
## 1154	115	0.550919	3.946219	0.015860
## 1155	25	1.014659	18.414770	0.009449
## 1156	103	0.442088	4.779863	0.015824
## 1157	221	0.393636	4.346786	0.016814
## 1158	62	1.575053	8.631704	0.016259
## 1159	100	0.766490	3.945331	0.015332
## 1160	36	4.735220	13.701547	0.016278
## 1161	70	0.757785	2.983173	0.016304
## 1162	38	2.057074	6.566553	0.020945
## 1163	25	3.770882	19.742119	0.015102
## 1164	25	3.486924	14.640865	0.012845
## 1165	44	1.062957	9.200038	0.014652
## 1166	31	0.682332	3.451866	0.015254
## 1167	25	1.184428	5.675025	0.016751
## 1168	38	2.779904	9.078769	0.010734
## 1169	41	2.821812	13.083413	0.008140
## 1170	197	1.513887	4.566077	0.017911
## 1171	39	2.104214	14.900918	0.015161
## 1172	54	1.304683	8.582614	0.017792
## 1173	39	2.056326	25.987850	0.012301
## 1174	25	0.638421	8.268646	0.003357
## 1175	27	0.479326	1.652668	0.010621
## 1176	26	0.187932	1.748982	0.013068
## 1177	25	2.066111	8.319180	0.011089
## 1178	27	0.738312	2.823204	0.029151
## 1179	26	0.294681	2.065330	0.022781
## 1180	29	0.763855	5.501326	0.019451
## 1181	33	1.815621	18.741707	0.022182
## 1182	29	2.535283	7.557867	0.019172
## 1183	25	8.419526	24.531057	0.020281
## 1184	25	2.397182	12.225922	0.021637
## 1185	25	2.126507	8.614813	0.015113
## 1186	31	3.957633	9.869729	0.022795
## 1187	29	0.828248	6.014540	0.024241
## 1188	34	5.949608	10.428996	0.018566
## 1189	56	0.960580	4.960447	0.020373
## 1190	37	4.541233	8.957555	0.023832
## 1191	36	2.151467	22.045383	0.022353
## 1192	25	3.308636	17.796335	0.014332
## 1193	25	2.602334	14.528075	0.021712
## 1194	25	3.018201	12.250108	0.021134
## 1195	95	5.791759	18.755669	0.021845
## 1196	27	1.013851	8.287575	0.021817
## 1197	30	1.361994	7.098247	0.021754

## 1198	53	1.695458	6.283850	0.020856
## 1199	149	0.482417	2.617089	0.022966
## 1200	25	7.265561	32.707253	0.019548
## 1201	25	9.673744	21.442837	0.018325
## 1202	25	6.765112	21.001858	0.017660
## 1203	40	2.592665	13.496393	0.016593
## 1204	25	3.887793	13.795034	0.014381
## 1205	100	2.856912	11.596156	0.018922
## 1206	219	0.431668	3.860800	0.020616
## 1207	260	0.234237	1.907972	0.016233
## 1208	96	0.423283	2.506209	0.020808
## 1209	63	0.406805	1.986333	0.016776
## 1210	101	0.132368	1.945853	0.021452
## 1211	113	2.858225	9.969387	0.018624
## 1212	130	1.823626	9.637174	0.019336
## 1213	80	0.765029	2.936771	0.016224
## 1214	48	0.060536	0.908581	0.019515
## 1215	134	0.467325	2.709640	0.020087
## 1216	25	2.281824	23.416355	0.017928
## 1217	25	2.849619	24.574135	0.012725
## 1218	25	2.639097	15.494479	0.012559
## 1219	89	0.660852	3.463097	0.020205
## 1220	43	5.421885	15.422826	0.012360
## 1221	89	0.989967	4.432748	0.018747
## 1222	84	3.359162	9.011464	0.017098
## 1223	82	2.336807	16.205053	0.016496
## 1224	30	1.390998	13.001328	0.016923
## 1225	55	4.268157	17.606430	0.017121
## 1226	169	3.225221	12.012214	0.021369
## 1227	41	0.855789	12.660666	0.010754
## 1228	26	3.486093	22.632347	0.012426
## 1229	84	2.535208	11.657460	0.017285
## 1230	218	0.940833	4.951773	0.017211
## 1231	224	0.016105	2.470546	0.016349
## 1232	188	0.460916	5.253023	0.016252
## 1233	263	7.549644	22.581516	0.015161
## 1234	98	0.854477	4.415980	0.017879
## 1235	291	0.676253	3.418098	0.016234
## 1236	696	0.409973	2.341406	0.015953
## 1237	434	0.601859	3.629902	0.017129
## 1238	25	1.981784	17.524847	0.010262
## 1239	118	0.593585	4.101562	0.016563
## 1240	239	0.498812	6.293541	0.016505
## 1241	109	0.532554	4.716417	0.014937
## 1242	452	0.683812	4.317828	0.017217
## 1243	25	0.787442	12.418574	0.020554
## 1244	95	0.689971	4.268815	0.017537
## 1245	542	0.042488	2.123740	0.016443
## 1246	181	2.420874	8.308799	0.015322
## 1247	196	3.255128	12.170773	0.014908
## 1248	89	0.654333	4.378237	0.017265
## 1249	176	0.409762	2.841940	0.017176
## 1250	268	0.425284	2.432673	0.017763
## 1251	301	3.968861	11.896504	0.017486

## 1252	66	1.009628	6.796400	0.018164
## 1253	87	0.908033	6.013330	0.013318
## 1254	72	0.548374	3.869747	0.012608
## 1255	93	0.560427	3.915835	0.014377
## 1256	25	0.885950	13.915688	0.019169
## 1257	25	1.740712	17.642437	0.014855
## 1258	61	2.740381	17.119802	0.017307
## 1259	213	0.295683	2.187622	0.016158
## 1260	176	0.394505	2.664612	0.016144
## 1261	180	0.397424	2.595376	0.017302
## 1262	946	1.390198	5.594465	0.016696
## 1263	83	0.303739	2.817437	0.013607
## 1264	558	0.527412	3.261148	0.016446
## 1265	145	0.386344	2.261172	0.016939
## 1266	445	0.618618	4.049395	0.016804
## 1267	25	1.852451	19.617102	0.019716
## 1268	118	0.609222	4.104774	0.016644
## 1269	41	4.568521	26.216427	0.017111
## 1270	32	7.088413	14.256178	0.019789
## 1271	39	5.890104	15.896077	0.017709
## 1272	27	2.687007	10.177736	0.014732
## 1273	32	0.935656	3.577121	0.018645
## 1274	31	0.454059	2.318486	0.016867
## 1275	27	2.235503	13.714216	0.018308
## 1276	25	3.435989	19.794523	0.016569
## 1277	43	1.014819	7.747765	0.015908
## 1278	25	0.617788	4.456662	0.016601
## 1279	25	1.912335	17.691103	0.017242
## 1280	32	0.927947	3.034824	0.017699
## 1281	35	1.242168	3.217470	0.017389
## 1282	41	1.598308	4.922461	0.016311
## 1283	55	5.588237	14.273729	0.018740
## 1284	50	7.200834	10.396801	0.017367
## 1285	73	0.552480	2.402129	0.019363
## 1286	82	1.704223	8.870381	0.016680
## 1287	65	2.718707	11.389147	0.019902
## 1288	32	2.314156	8.688802	0.016568
## 1289	132	1.844495	6.070594	0.019882
## 1290	59	0.037077	0.487648	0.016114
## 1291	25	6.664510	47.216942	0.006418
## 1292	31	2.698792	12.049921	0.016605
## 1293	25	6.003909	20.702709	0.014399
## 1294	41	5.414562	19.192081	0.014730
## 1295	25	1.492393	6.302364	0.014862
## 1296	25	2.009325	8.491146	0.013729
## 1297	25	4.974260	23.499662	0.015088
## 1298	45	0.034098	0.802610	0.020437
## 1299	54	6.329308	18.400156	0.014660
## 1300	34	2.845353	13.888767	0.019793
## 1301	25	2.530892	11.400307	0.017910
## 1302	25	2.205835	7.578519	0.018345
## 1303	58	1.936868	10.431057	0.021878
## 1304	38	1.950370	6.787163	0.023364
## 1305	28	1.407366	6.662931	0.019332

## 1306	32	2.390608	14.799678	0.020262
## 1307	32	0.870130	7.718040	0.020979
## 1308	41	3.480503	11.191313	0.019376
## 1309	31	2.253125	10.756403	0.024026
## 1310	30	3.179831	24.672495	0.019539
## 1311	25	2.250963	13.073106	0.021390
## 1312	38	1.094593	8.443280	0.017539
## 1313	25	8.336724	27.028076	0.018108
## 1314	43	1.365006	11.311540	0.018381
## 1315	38	2.358623	12.334925	0.019439
## 1316	135	0.155020	1.822026	0.021817
## 1317	34	2.038509	11.933680	0.016895
## 1318	25	2.405244	8.831167	0.009686
## 1319	25	2.756814	14.296925	0.019251
## 1320	44	1.793473	6.660454	0.013189
## 1321	79	1.422073	6.944229	0.015387
## 1322	25	3.674754	10.961267	0.011418
## 1323	41	1.420302	9.524506	0.013904
## 1324	44	4.089984	16.673738	0.016078
## 1325	40	1.674143	8.257399	0.022154
## 1326	32	2.345853	9.519566	0.024786
## 1327	36	8.909639	22.855761	0.017572
## 1328	106	1.426617	9.090986	0.022646
## 1329	122	1.232968	7.390750	0.020935
## 1330	83	0.077520	0.734952	0.019844
## 1331	58	1.050804	12.065881	0.017164
## 1332	62	7.348781	8.393314	0.022643
## 1333	65	0.108982	0.423767	0.016447
## 1334	25	1.436066	13.267299	0.000024
## 1335	393	0.338052	2.829225	0.012941
## 1336	25	1.668767	11.395602	0.016539
## 1337	219	0.573742	4.609976	0.017553
## 1338	160	0.543298	5.717871	0.016971
## 1339	460	0.420812	3.573041	0.016191
## 1340	333	1.095054	6.146211	0.016339
## 1341	294	7.660679	22.202524	0.015797
## 1342	155	8.484051	28.409750	0.014324
## 1343	169	0.588259	6.665760	0.014732
## 1344	275	0.469147	3.431252	0.013172
## 1345	363	0.329288	2.377214	0.013956
## 1346	1294	0.416704	3.185343	0.014354
## 1347	268	2.068847	6.653199	0.011030
## 1348	33	0.084890	1.048421	0.000043
## 1349	41	1.869078	3.868953	0.000439
## 1350	176	0.662887	3.110862	0.011716
## 1351	868	0.022058	0.044813	0.000392
## 1352	25	0.963713	11.481239	0.000023
## 1353	25	5.234475	32.144665	0.000023
## 1354	34	5.040621	13.027579	0.013041
## 1355	39	0.908075	5.811603	0.010558
## 1356	45	8.545450	28.138954	0.017385
## 1357	64	0.589530	4.783580	0.018818
## 1358	25	0.304687	2.648149	0.011615
## 1359	217	0.322557	3.400731	0.017711

## 1360	260	0.235977	1.900536	0.018705
## 1361	97	0.427423	2.632863	0.018555
## 1362	63	0.398819	1.993046	0.019247
## 1363	100	0.115544	1.703182	0.018643
## 1364	113	2.877805	9.894102	0.019321
## 1365	130	1.815007	9.598274	0.017130
## 1366	80	0.767419	2.888477	0.017234
## 1367	49	0.065248	0.960045	0.018016
## 1368	135	0.425605	2.420657	0.016853
## 1369	270	0.726062	4.108191	0.019535
## 1370	234	0.198024	1.621213	0.015785
## 1371	247	0.524590	3.369455	0.015138
## 1372	361	0.307103	1.736393	0.016274
## 1373	29	2.908108	29.808748	0.011638
## 1374	57	4.847670	15.713648	0.008630
## 1375	25	1.093827	4.878803	0.000206
## 1376	27	4.877490	24.057146	0.016602
## 1377	27	2.999097	7.964911	0.020148
## 1378	35	1.642691	11.103947	0.018788
## 1379	81	3.081037	11.995266	0.022066
## 1380	25	2.991160	22.782360	0.017305
## 1381	69	0.708297	3.513197	0.019550
## 1382	214	0.244800	2.462842	0.019559
## 1383	260	0.236055	1.907496	0.018533
## 1384	97	0.423121	2.778009	0.019040
## 1385	63	0.407817	1.961327	0.018999
## 1386	100	0.116344	1.696162	0.019740
## 1387	113	2.867474	9.889507	0.018590
## 1388	130	1.813522	9.557055	0.017096
## 1389	80	0.766614	2.905575	0.018357
## 1390	49	0.075013	1.188918	0.016238
## 1391	131	0.423890	2.489447	0.016333
## 1392	67	0.097446	1.409937	0.021579
## 1393	25	1.421739	12.982108	0.027360
## 1394	201	0.070315	1.852089	0.011796
## 1395	573	0.361529	3.469390	0.013183
## 1396	25	1.678509	11.450321	0.004949
## 1397	314	0.244861	3.220065	0.014995
## 1398	660	0.186530	1.149659	0.017701
## 1399	395	0.654993	4.477421	0.017212
## 1400	491	0.496583	2.607675	0.013099
## 1401	289	0.040321	2.786934	0.014473
## 1402	188	0.311894	4.461342	0.014760
## 1403	233	0.463232	1.535650	0.016602
## 1404	308	1.021343	3.261770	0.016642
## 1405	25	1.909080	11.985374	0.013388
## 1406	87	0.753786	5.383280	0.015762
## 1407	227	0.306763	1.911233	0.014697
## 1408	25	1.081005	13.658142	0.011339
## 1409	349	0.460382	3.512105	0.014778
## 1410	318	0.318138	3.064936	0.018268
## 1411	284	0.530198	3.268315	0.014653
## 1412	58	3.484401	17.665285	0.015519
## 1413	225	3.103967	11.050275	0.015851

## 1414	238	0.932751	2.906944	0.015149
## 1415	110	0.531793	2.506382	0.014557
## 1416	153	0.587277	2.386323	0.016095
## 1417	174	0.430035	2.035025	0.015616
## 1418	222	1.023868	3.572482	0.016276
## 1419	302	0.743558	4.217829	0.017594
## 1420	403	0.275196	2.836581	0.019030
## 1421	332	0.334179	3.637167	0.018591
## 1422	25	1.572449	12.845991	0.016230
## 1423	33	0.358740	2.411311	0.017622
## 1424	25	6.987062	32.818699	0.013693
## 1425	25	9.585441	20.866880	0.011227
## 1426	25	6.801801	21.049212	0.007999
## 1427	40	2.544216	13.374942	0.015658
## 1428	26	4.088618	15.655784	0.005554
## 1429	100	2.819596	11.297742	0.011364
## 1430	94	4.337294	10.482793	0.021570
## 1431	95	0.049364	1.210630	0.020786
## 1432	29	0.017848	1.425009	0.023605
## 1433	105	0.991381	3.304430	0.025556
## 1434	114	0.411407	2.713299	0.017501
## 1435	58	0.039508	1.776880	0.018473
## 1436	97	2.750166	7.306798	0.020577
## 1437	25	0.202088	3.049970	0.019462
## 1438	87	0.178764	1.766727	0.021571
## 1439	25	0.264338	4.711363	0.015300
## 1440	229	0.608118	4.945462	0.020104
## 1441	134	6.005595	19.545950	0.018864
## 1442	44	0.781071	4.226068	0.015447
## 1443	66	1.588373	6.736775	0.016183
## 1444	69	3.118085	8.379931	0.019577
## 1445	71	2.108413	8.933010	0.018725
## 1446	111	0.353148	2.431383	0.020442
## 1447	94	4.860824	10.819962	0.021808
## 1448	80	2.987563	11.424458	0.019610
## 1449	42	0.464406	4.105268	0.018257
## 1450	107	5.542991	18.784155	0.018412
## 1451	176	1.111004	4.723484	0.020633
## 1452	25	0.883167	12.011142	0.017495
## 1453	25	2.720943	24.516228	0.014435
## 1454	54	4.677752	15.536002	0.017146
## 1455	25	1.135570	5.271973	0.022879
## 1456	27	4.966428	24.050425	0.023285
## 1457	27	2.975354	8.029438	0.016919
## 1458	35	1.623910	11.249133	0.021816
## 1459	81	3.068178	12.193275	0.017718
## 1460	25	2.940240	22.898273	0.019084
## 1461	69	0.701524	3.496777	0.020659
## 1462	34	4.177608	24.300552	0.017524
## 1463	34	2.080891	29.880756	0.019375
## 1464	64	2.053997	15.948902	0.019619
## 1465	25	3.460928	20.056597	0.014916
## 1466	28	0.474127	2.965302	0.017454
## 1467	25	0.721768	10.257751	0.011439

## 1468	81	2.792381	11.797623	0.015329
## 1469	52	0.695675	7.199761	0.021926
## 1470	28	3.513777	11.158157	0.020161
## 1471	55	1.800938	11.678392	0.021601
## 1472	36	1.874475	5.879541	0.020276
## 1473	136	2.628468	8.432207	0.020018
## 1474	139	1.356795	7.594611	0.016851
## 1475	65	0.239596	5.223547	0.015162
## 1476	72	6.761877	14.194271	0.020446
## 1477	29	0.636480	2.939790	0.017958
## 1478	47	0.484456	3.100898	0.013233
## 1479	49	0.127200	1.777306	0.022694
## 1480	78	0.581891	3.050264	0.019014
## 1481	167	4.935418	12.304461	0.018145
## 1482	58	11.324121	22.330309	0.017994
## 1483	96	4.130052	10.887291	0.018665
## 1484	73	2.716950	11.573268	0.020088
## 1485	274	0.745787	5.182495	0.018918
## 1486	238	0.202237	1.630554	0.016931
## 1487	246	0.519769	3.331149	0.014495
## 1488	361	0.305062	1.699825	0.016402
## 1489	63	0.228198	5.120950	0.015609
## 1490	25	1.494495	13.485932	0.013756
## 1491	63	0.676458	5.087817	0.012984
## 1492	148	0.762152	5.604532	0.008466
## 1493	36	1.105862	8.361652	0.020471
## 1494	175	0.508469	5.154996	0.014737
## 1495	461	0.403727	3.451373	0.017020
## 1496	269	1.260703	6.215077	0.016264
## 1497	101	1.026580	5.621370	0.013977
## 1498	103	0.078850	3.151054	0.016221
## 1499	113	0.528796	5.468871	0.016417
## 1500	454	0.702705	3.729711	0.017346
## 1501	147	0.679331	5.363389	0.015899
## 1502	57	1.077301	7.336758	0.018042
## 1503	110	0.643309	3.145576	0.016242
## 1504	146	0.355171	3.102354	0.015431
## 1505	94	1.004328	5.130530	0.015753
## 1506	136	0.252275	2.461236	0.014013
## 1507	789	0.757013	3.463658	0.017452
## 1508	177	0.384571	3.045186	0.017937
## 1509	351	0.765772	3.375272	0.018026
## 1510	155	0.347388	2.848434	0.020351
## 1511	265	1.013887	4.188952	0.017944
## 1512	162	0.316347	2.811739	0.019467
## 1513	87	1.666049	6.053087	0.018194
## 1514	137	0.387284	3.025832	0.015875
## 1515	492	0.776510	3.565207	0.017169
## 1516	192	0.481638	3.268989	0.013795
## 1517	272	0.996879	3.983591	0.017101
## 1518	192	0.299788	2.829906	0.016455
## 1519	230	1.087150	4.115154	0.018048
## 1520	171	0.374468	3.056676	0.018951
## 1521	219	0.571567	2.682466	0.015831

## 1522	147	0.281596	3.103081	0.019030
## 1523	69	0.773400	3.564776	0.014146
## 1524	38	0.933323	9.471538	0.020145
## 1525	106	0.339275	3.032289	0.017080
## 1526	478	1.136149	4.612465	0.018196
## 1527	223	0.333750	2.893325	0.017346
## 1528	347	0.911029	3.632601	0.017812
## 1529	335	0.318913	2.831182	0.017258
## 1530	42	0.396137	2.579719	0.012220
## 1531	169	1.502858	6.099110	0.016447
## 1532	123	0.311872	3.268755	0.015331
## 1533	399	0.274080	2.871025	0.017595
## 1534	514	0.261158	2.850920	0.017423
## 1535	736	0.433189	3.099954	0.016783
## 1536	1063	0.282840	2.931700	0.017257
## 1537	864	0.444573	3.025081	0.015984
## 1538	1202	0.346158	2.652844	0.016483
## 1539	2009	0.523289	3.139035	0.016619
## 1540	43	1.436139	6.923715	0.017174
## 1541	219	1.873367	6.506714	0.019059
## 1542	2541	0.450334	3.035241	0.017607
## 1543	26	0.307352	4.762466	0.008429
## 1544	25	5.390509	42.757313	0.008388
## 1545	25	4.878423	37.235008	0.016857
## 1546	25	2.564154	18.108509	0.014837
## 1547	39	0.975640	5.290516	0.015881
## 1548	211	0.895127	5.668563	0.012540
## 1549	25	1.613822	11.489862	0.014352
## 1550	454	0.159756	2.096745	0.016047
## 1551	25	1.557602	11.080488	0.008075
## 1552	102	0.931864	11.831303	0.012308
## 1553	34	0.088781	3.011975	0.013589
## 1554	25	1.339243	31.999580	0.012509
## 1555	65	0.292854	6.923469	0.010963
## 1556	34	0.137943	3.896634	0.011179
## 1557	43	0.208168	5.005964	0.014573
## 1558	68	0.148441	3.079468	0.016472
## 1559	111	0.173451	4.584739	0.015304
## 1560	267	0.297177	3.946081	0.014428
## 1561	323	7.898205	23.347075	0.015423
## 1562	25	1.662970	12.568185	0.006328
## 1563	522	0.014387	2.512338	0.014141
## 1564	816	0.298313	2.662233	0.012238
## 1565	25	1.870823	11.390249	0.014611
## 1566	534	0.210068	2.637751	0.012973
## 1567	204	0.443452	3.344659	0.014881
## 1568	562	0.371413	2.924633	0.014736
## 1569	55	0.769581	4.556218	0.012565
## 1570	260	0.759092	3.333114	0.012632
## 1571	80	1.570912	7.710855	0.016809
## 1572	40	1.027821	5.334420	0.012573
## 1573	45	0.770388	4.843643	0.016528
## 1574	166	0.504970	2.846247	0.017002
## 1575	27	3.408402	14.707818	0.010835

## 1576	806	0.930769	4.148411	0.015608
## 1577	248	0.014598	3.033892	0.014140
## 1578	1605	0.601490	3.322654	0.013719
## 1579	438	0.744083	3.730403	0.012837
## 1580	25	1.025019	21.126928	0.011861
## 1581	117	0.435472	4.290968	0.015934
## 1582	25	0.835431	20.550020	0.016395
## 1583	102	0.390202	4.899764	0.013281
## 1584	111	0.327736	3.837178	0.013316
## 1585	110	0.334351	3.829376	0.017953
## 1586	73	1.411616	9.073058	0.011073
## 1587	712	1.219994	5.330626	0.012968
## 1588	453	0.540128	3.803857	0.013907
## 1589	307	0.983493	3.581611	0.014021
## 1590	25	0.782866	12.115567	0.014620
## 1591	303	0.680843	3.765820	0.013598
## 1592	2770	0.213039	2.822578	0.013112
## 1593	321	0.481566	3.727689	0.013795
## 1594	3420	0.196304	2.082899	0.012568
## 1595	39	0.526357	1.938782	0.009888
## 1596	198	0.428889	3.564682	0.014146
## 1597	691	0.138893	1.365822	0.006318
## 1598	33	0.009363	1.605340	0.017423
## 1599	27	0.226801	2.172170	0.008314
## 1600	43	0.157441	2.785914	0.019018
## 1601	1288	1.188920	5.588971	0.013803
## 1602	296	0.847120	5.223627	0.014264
## 1603	294	0.940752	4.556797	0.018090
## 1604	969	0.576836	3.421916	0.015649
## 1605	154	1.012630	5.051128	0.016295
## 1606	151	0.527974	3.309806	0.012995
## 1607	118	1.017582	3.888590	0.017127
## 1608	292	0.492576	2.982220	0.014715
## 1609	608	0.807863	4.130342	0.015268
## 1610	145	0.784694	3.958494	0.014652
## 1611	108	0.364860	2.872922	0.015623
## 1612	123	1.163427	4.483695	0.013344
## 1613	166	0.718043	3.796669	0.012982
## 1614	435	1.309076	5.663551	0.015747
## 1615	405	0.726401	3.831974	0.016545
## 1616	95	0.286738	2.426052	0.016842
## 1617	842	0.592991	2.598194	0.015551
## 1618	258	0.293332	2.548842	0.013547
## 1619	59	1.837880	8.224910	0.016632
## 1620	83	0.528346	3.255484	0.013341
## 1621	79	0.538203	3.038508	0.013028
## 1622	350	0.463242	3.164663	0.012880
## 1623	116	1.858941	7.832000	0.011303
## 1624	248	0.455126	3.123563	0.015095
## 1625	517	0.786738	4.046546	0.014111
## 1626	228	0.341699	2.898852	0.015102
## 1627	1070	0.495782	3.206157	0.014997
## 1628	357	0.591461	3.533962	0.015777
## 1629	695	0.676241	3.857279	0.016199

## 1630	178	1.345896	5.388998	0.013652
## 1631	418	0.773897	3.964603	0.015939
## 1632	153	0.759124	4.318277	0.014737
## 1633	92	0.715185	3.846746	0.019118
## 1634	222	1.134516	5.006616	0.015445
## 1635	134	0.907132	5.192115	0.015810
## 1636	785	0.985154	4.554936	0.014911
## 1637	87	1.438066	6.293804	0.012936
## 1638	142	0.576276	3.703524	0.010695
## 1639	182	0.151264	3.446120	0.015092
## 1640	120	0.089225	2.577956	0.015871
## 1641	277	0.288660	2.665337	0.014368
## 1642	1722	0.413512	2.909573	0.015090
## 1643	189	1.263950	6.116846	0.010424
## 1644	404	0.918516	4.627811	0.015272
## 1645	334	0.687578	3.921346	0.016278
## 1646	564	0.886812	4.437841	0.015690
## 1647	128	0.867087	3.952247	0.015967
## 1648	863	1.333579	5.666875	0.015181
## 1649	113	1.905233	6.896914	0.012856
## 1650	2668	0.747350	4.062786	0.014859
## 1651	67	0.643261	3.311424	0.015891
## 1652	278	1.126642	4.855492	0.013932
## 1653	436	0.947962	4.441999	0.012839
## 1654	25	1.004325	20.380297	0.011105
## 1655	117	0.432423	4.399576	0.017862
## 1656	25	0.991326	21.128843	0.008170
## 1657	102	0.323368	4.887065	0.015897
## 1658	41	0.202329	3.734630	0.013353
## 1659	89	0.198272	2.974315	0.016441
## 1660	140	0.405556	3.688937	0.013666
## 1661	337	0.859846	4.410986	0.014961
## 1662	103	0.280639	2.971979	0.013934
## 1663	873	0.665106	3.777351	0.014574
## 1664	68	1.252782	4.681771	0.012061
## 1665	405	0.556074	3.331583	0.015095
## 1666	525	1.277537	5.799780	0.016396
## 1667	1199	0.672298	3.811899	0.013696
## 1668	25	1.513488	10.969565	0.011413
## 1669	229	0.309256	2.988246	0.013197
## 1670	136	0.755312	3.906246	0.013225
## 1671	143	1.659755	6.148429	0.015459
## 1672	110	1.257834	4.624062	0.014818
## 1673	73	1.195785	6.429698	0.014665
## 1674	231	0.507790	2.557937	0.014499
## 1675	73	0.905720	5.557798	0.012897
## 1676	271	0.611579	2.878418	0.015024
## 1677	43	0.865869	3.751940	0.014740
## 1678	97	0.629209	3.588800	0.013703
## 1679	385	0.345561	2.889239	0.016049
## 1680	512	0.292239	2.780425	0.015676
## 1681	777	0.691493	3.820549	0.017747
## 1682	448	0.327837	2.774737	0.014000
## 1683	83	0.656667	3.597672	0.013664

## 1684	498	0.362605	2.753524	0.014053
## 1685	151	0.405710	2.365933	0.014252
## 1686	606	0.172702	2.434479	0.015136
## 1687	818	0.324635	2.314029	0.015413
## 1688	243	0.544425	4.458499	0.016170
## 1689	121	0.608295	5.633516	0.015858
## 1690	91	0.858071	7.187749	0.017951
## 1691	129	0.312254	2.715704	0.012942
## 1692	241	0.363784	2.765859	0.014870
## 1693	180	0.391142	2.868313	0.014640
## 1694	107	0.770294	3.769759	0.019487
## 1695	464	0.493733	2.762512	0.015973
## 1696	832	0.278814	2.432886	0.011326
## 1697	25	1.075152	15.527175	0.015550
## 1698	98	1.350720	11.386080	0.014814
## 1699	38	0.119464	2.898179	0.009413
## 1700	25	1.472581	30.191662	0.013923
## 1701	65	0.419388	6.984146	0.020443
## 1702	35	0.159806	4.035985	0.014242
## 1703	43	0.217501	4.502833	0.016738
## 1704	68	0.156105	3.195883	0.016579
## 1705	110	0.182364	4.387805	0.016081
## 1706	196	0.661859	5.574290	0.017294
## 1707	147	0.188380	2.563091	0.014405
## 1708	441	0.084377	2.537988	0.015158
## 1709	138	0.149940	2.140973	0.013276
## 1710	262	0.109492	2.599475	0.014292
## 1711	57	0.230559	3.299055	0.013404
## 1712	92	0.059867	1.055134	0.018102
## 1713	97	0.651095	2.659492	0.015543
## 1714	126	0.228988	1.514131	0.012566
## 1715	159	0.594667	2.558064	0.014282
## 1716	191	0.262051	1.628849	0.015313
## 1717	37	0.131465	1.962697	0.012007
## 1718	1589	0.349589	2.343315	0.015639
## 1719	140	1.084071	4.102015	0.015906
## 1720	388	0.720297	2.875033	0.019457
## 1721	727	0.551750	3.416055	0.019067
## 1722	344	0.010083	2.062526	0.019169
## 1723	137	0.820701	3.792991	0.017776
## 1724	422	0.474505	2.796735	0.021784
## 1725	27	4.126320	22.738670	0.016620
## 1726	33	2.558991	6.165004	0.010531
## 1727	26	1.923596	7.678171	0.019507
## 1728	25	2.364991	6.444261	0.016500
## 1729	25	0.407510	11.399206	0.013887
## 1730	483	0.356827	1.880923	0.019486
## 1731	30	2.269084	10.767581	0.010272
## 1732	34	0.609497	3.783644	0.013449
## 1733	45	2.972048	19.098503	0.017103
## 1734	26	1.014853	4.690739	0.019177
## 1735	71	1.944133	11.180521	0.019871
## 1736	47	0.716199	4.841414	0.016536
## 1737	28	1.528205	16.554174	0.015639

## 1738	25	2.262265	14.006326	0.016788
## 1739	59	3.223262	10.475941	0.018290
## 1740	29	4.132965	16.043098	0.018407
## 1741	25	6.704884	28.060707	0.014986
## 1742	47	1.258391	7.905561	0.019250
## 1743	74	0.237600	1.638999	0.020006
## 1744	56	2.197643	6.702666	0.017335
## 1745	27	3.187130	6.884754	0.019494
## 1746	25	1.452629	5.139020	0.015624
## 1747	121	1.994345	7.868749	0.018748
## 1748	60	0.510633	2.285635	0.018938
## 1749	33	0.004054	0.333454	0.019995
## 1750	25	0.856491	4.363195	0.017068
## 1751	25	0.410358	3.621039	0.016717
## 1752	25	9.347854	14.415668	0.015096
## 1753	93	0.358213	3.171120	0.017798
## 1754	69	2.641618	10.136812	0.019082
## 1755	61	1.507461	14.083715	0.019609
## 1756	62	7.167330	6.188574	0.019104
## 1757	35	0.370171	9.386414	0.017378
## 1758	48	0.340363	2.259328	0.014246
## 1759	25	0.346495	10.877546	0.016430
## 1760	29	6.100115	16.400290	0.012708
## 1761	55	0.488575	2.473933	0.016338
## 1762	30	3.391212	4.834385	0.012699
## 1763	25	2.827065	10.548776	0.018125
## 1764	49	4.318606	18.518536	0.016641
## 1765	28	8.533406	15.162710	0.016152
## 1766	30	0.926829	4.674102	0.017608
## 1767	26	2.177058	9.366501	0.014116
## 1768	28	2.413164	15.182115	0.016567
## 1769	27	9.280196	14.163318	0.014335
## 1770	26	4.367945	11.157266	0.016188
## 1771	30	5.106375	11.003245	0.012137
## 1772	28	4.172095	10.822391	0.014487
## 1773	25	5.859037	17.550030	0.016428
## 1774	28	3.050656	16.736671	0.015852
## 1775	29	3.337610	14.661588	0.015744
## 1776	25	3.193307	8.848111	0.014437
## 1777	37	3.929420	15.811098	0.014446
## 1778	68	0.001826	0.454898	0.016461
## 1779	213	0.218699	2.034390	0.019224
## 1780	260	0.236028	1.936018	0.019019
## 1781	96	0.413318	2.484761	0.018981
## 1782	63	0.413721	2.016848	0.019754
## 1783	101	0.133190	2.013996	0.019352
## 1784	113	2.858367	9.967789	0.019635
## 1785	129	1.822505	9.540377	0.017158
## 1786	81	0.811395	3.436203	0.017331
## 1787	48	0.060654	0.937019	0.019240
## 1788	132	0.464103	2.743665	0.016121
## 1789	25	0.400142	9.911913	0.018012
## 1790	55	3.393042	12.371352	0.027384
## 1791	26	2.017608	7.813309	0.018608

## 1792	25	1.757666	4.773858	0.003558
## 1793	432	0.639759	2.741031	0.015588
## 1794	272	0.160466	2.608823	0.013881
## 1795	829	1.049351	3.158520	0.014354
## 1796	1572	0.450967	2.751654	0.013542
## 1797	113	3.733276	12.523390	0.015209
## 1798	44	0.375263	2.610410	0.012155
## 1799	62	0.348546	2.262145	0.014159
## 1800	35	1.646013	5.102516	0.016717
## 1801	54	0.320559	2.286291	0.010531
## 1802	52	0.700907	4.093227	0.014460
## 1803	165	3.162513	9.545408	0.009277
## 1804	25	2.657621	12.031816	0.015368
## 1805	922	0.565696	2.561936	0.014715
## 1806	90	0.121762	1.235534	0.015265
## 1807	126	0.828990	3.005956	0.012112
## 1808	176	0.145774	1.336308	0.012611
## 1809	222	0.381844	2.390259	0.011188
## 1810	284	0.671608	2.619179	0.017623
## 1811	181	0.494898	2.799904	0.017778
## 1812	1384	0.621989	2.588425	0.018338
## 1813	199	0.584457	2.894705	0.017884
## 1814	71	0.273608	1.455173	0.017065
## 1815	142	0.667830	2.617186	0.016460
## 1816	83	1.071000	3.961172	0.013279
## 1817	146	0.428135	2.736651	0.017071
## 1818	675	0.685930	2.559377	0.017851
## 1819	946	1.865443	6.728762	0.018663
## 1820	58	0.442758	3.785495	0.017954
## 1821	355	0.544152	2.797408	0.017618
## 1822	111	0.413371	2.290075	0.015659
## 1823	127	0.644784	3.117452	0.016826
## 1824	25	3.946328	22.302153	0.018139
## 1825	37	2.899896	7.643058	0.018572
## 1826	26	1.981014	7.831446	0.018836
## 1827	57	0.609018	2.960715	0.023707
## 1828	32	1.743677	8.664550	0.018804
## 1829	25	2.389203	8.899072	0.020728
## 1830	25	2.724990	14.221221	0.017658
## 1831	44	1.783386	6.680249	0.010405
## 1832	79	1.401016	6.975805	0.017790
## 1833	25	3.653788	10.374852	0.010219
## 1834	41	1.443883	9.550261	0.014171
## 1835	44	4.082173	16.972574	0.014749
## 1836	40	1.683913	8.230186	0.017010
## 1837	32	2.329831	9.459077	0.012236
## 1838	36	8.809975	22.748018	0.017727
## 1839	106	1.397291	9.203883	0.023420
## 1840	122	1.255272	7.658771	0.022360
## 1841	83	0.082363	1.002027	0.020343
## 1842	25	4.352991	28.831133	0.017369
## 1843	45	5.339533	18.433146	0.018268
## 1844	39	0.907255	5.710317	0.019171
## 1845	44	8.632480	27.584352	0.017174

## 1846	88	1.784154	8.647328	0.017487
## 1847	38	4.394650	26.756231	0.021630
## 1848	34	2.166539	29.770113	0.016396
## 1849	64	1.917648	15.927466	0.016727
## 1850	25	3.462537	20.715822	0.023523
## 1851	28	0.450319	2.977216	0.011105
## 1852	25	0.730369	10.311022	0.010636
## 1853	81	2.784628	11.886202	0.018133
## 1854	52	0.735810	7.251908	0.022050
## 1855	28	3.437353	10.623093	0.021683
## 1856	55	1.816657	11.685235	0.020321
## 1857	36	1.842105	5.872275	0.020090
## 1858	136	2.635894	8.467500	0.018682
## 1859	139	1.361855	7.668272	0.016997
## 1860	266	3.267071	11.486822	0.018623
## 1861	61	0.507039	3.074645	0.021052
## 1862	96	2.170386	7.145189	0.018243
## 1863	110	6.537319	14.892742	0.018633
## 1864	206	4.126145	11.999713	0.017138
## 1865	223	0.645143	5.041130	0.018166
## 1866	133	6.008100	19.388521	0.021519
## 1867	45	0.791671	4.658018	0.014567
## 1868	66	1.539442	6.416798	0.016192
## 1869	68	3.016286	7.970075	0.018473
## 1870	72	2.080824	9.050577	0.019855
## 1871	110	0.349236	2.375158	0.019622
## 1872	95	4.837602	11.037087	0.022009
## 1873	79	2.932185	11.316397	0.019180
## 1874	43	0.487066	4.586658	0.019115
## 1875	106	5.522144	18.702969	0.018449
## 1876	178	1.125559	4.892012	0.020808
## 1877	25	0.872922	14.542280	0.013318
## 1878	25	0.897377	13.546747	0.015971
## 1879	95	3.395747	11.113189	0.020218
## 1880	502	0.778870	3.146881	0.017905
## 1881	132	0.862514	3.234616	0.015774
## 1882	147	1.014216	5.694280	0.015502
## 1883	253	4.487842	10.960817	0.019131
## 1884	263	3.771323	10.448555	0.019855
## 1885	231	0.690451	3.027834	0.020199
## 1886	261	0.336910	4.323225	0.020174
## 1887	203	0.624927	3.803062	0.020419
## 1888	148	4.639263	13.552776	0.018452
## 1889	120	1.587751	6.789923	0.018667
## 1890	65	0.589792	4.252241	0.020208
## 1891	89	3.815003	13.382855	0.017319
## 1892	31	2.348037	8.353067	0.016915
## 1893	288	0.712671	3.084060	0.019287
## 1894	194	7.685707	22.549086	0.018816
## 1895	332	0.518101	2.738254	0.019566
## 1896	170	0.789452	3.037190	0.019574
## 1897	208	0.425955	2.389762	0.013118
## 1898	111	0.440348	2.563197	0.016032
## 1899	698	0.650173	2.487196	0.018983

## 1900	147	0.341945	2.562952	0.018320
## 1901	400	0.638219	2.631496	0.019027
## 1902	125	0.239356	2.365456	0.017355
## 1903	438	0.814680	3.205048	0.018272
## 1904	199	0.641551	3.240453	0.018468
## 1905	86	1.496972	4.275727	0.016479
## 1906	160	0.157961	2.132336	0.019538
## 1907	115	0.115242	2.299826	0.018154
## 1908	69	9.723513	20.075611	0.018656
## 1909	30	1.401592	12.618149	0.016245
## 1910	28	2.924339	17.799944	0.025437
## 1911	34	1.219695	13.427805	0.021240
## 1912	42	3.251581	19.266146	0.018543
## 1913	44	2.452690	17.850550	0.007663
## 1914	25	6.108525	16.776608	0.023901
## 1915	25	1.530612	5.489248	0.021284
## 1916	25	1.791706	29.084162	0.019397
## 1917	40	2.141903	7.063899	0.018081
## 1918	25	2.790994	26.800133	0.016304
## 1919	41	2.198291	14.248528	0.017786
## 1920	25	7.278752	18.325802	0.016478
## 1921	26	5.195101	18.423777	0.021070
## 1922	28	3.084187	18.785662	0.013213
## 1923	47	6.859553	26.054680	0.016454
## 1924	36	5.373877	38.951385	0.016967
## 1925	25	4.154998	27.830742	0.013433
## 1926	25	5.242010	14.758365	0.018021
## 1927	56	4.996870	13.604929	0.019605
## 1928	48	0.637386	9.297660	0.018108
## 1929	34	3.244973	16.965969	0.017729
## 1930	43	4.400203	12.049115	0.018133
## 1931	25	1.034233	3.701434	0.014996
## 1932	26	4.999860	23.587242	0.015649
## 1933	27	3.081870	8.346713	0.015668
## 1934	35	1.637305	11.388228	0.018660
## 1935	81	3.052126	12.267964	0.016181
## 1936	25	3.020494	22.854031	0.014717
## 1937	68	0.724007	3.631428	0.019561
## 1938	25	2.326416	24.023186	0.019828
## 1939	25	2.807579	24.403355	0.019151
## 1940	25	2.640079	15.551750	0.016510
## 1941	89	0.650877	3.474134	0.019490
## 1942	43	5.451655	15.593598	0.018048
## 1943	89	0.994563	4.352664	0.016928
## 1944	84	3.362631	9.055888	0.014272
## 1945	81	2.363581	16.025728	0.017684
## 1946	31	1.402050	13.410479	0.013440
## 1947	55	4.267323	17.753756	0.014733
## 1948	169	3.122694	12.059077	0.018386
## 1949	25	1.359834	20.588415	0.012950
## 1950	248	0.610615	2.420953	0.017309
## 1951	249	0.328809	1.959446	0.018354
## 1952	251	0.205610	1.854610	0.015428
## 1953	359	0.385614	2.036919	0.015972

## 1954	25	3.279649	33.433521	0.014360
## 1955	42	2.990964	16.075991	0.015200
## 1956	25	5.953858	20.376976	0.013456
## 1957	41	5.356672	18.955772	0.015154
## 1958	25	1.494693	5.972333	0.013300
## 1959	44	3.748211	10.366672	0.012123
## 1960	51	0.542546	7.762886	0.011534
## 1961	116	1.566678	6.549893	0.014536
## 1962	185	1.748228	5.874988	0.017370
## 1963	191	4.860337	12.213778	0.017203
## 1964	332	2.744465	9.174199	0.020612
## 1965	322	3.534802	10.130483	0.020186
## 1966	207	0.476367	4.303668	0.017861
## 1967	127	3.828444	10.127615	0.016264
## 1968	25	1.685805	12.892108	0.019717
## 1969	48	0.714285	5.790586	0.020429
## 1970	59	6.549203	4.284683	0.019725
## 1971	25	0.076165	1.641026	0.017582
## 1972	99	2.955609	14.359197	0.016285
## 1973	275	2.162420	7.183471	0.016677
## 1974	409	0.046975	2.617070	0.014083
## 1975	233	0.542448	5.658813	0.014406
## 1976	25	2.036266	23.353846	0.009922
## 1977	53	0.342612	4.971072	0.008720
## 1978	320	0.147645	2.600012	0.016870
## 1979	446	0.489396	3.249566	0.014183
## 1980	397	0.321617	2.635321	0.011526
## 1981	538	0.234342	2.813957	0.012546
## 1982	25	2.846331	15.950705	0.015280
## 1983	238	0.708668	4.210793	0.013477
## 1984	1315	0.521745	3.249223	0.016690
## 1985	488	0.059074	1.517505	0.016349
## 1986	744	0.360995	2.918499	0.016690
## 1987	155	0.459352	2.988165	0.016195
## 1988	142	0.565330	3.435919	0.016174
## 1989	261	2.358544	6.947671	0.016436
## 1990	515	0.959700	5.492379	0.016794
## 1991	43	0.094617	3.530768	0.011323
## 1992	104	0.558207	3.414257	0.017610
## 1993	192	0.527377	3.388304	0.014421
## 1994	361	0.037600	2.028977	0.016144
## 1995	243	0.568066	3.698675	0.016067
## 1996	42	0.101523	5.486697	0.016909
## 1997	59	0.527441	3.997296	0.011529
## 1998	231	3.581510	9.335437	0.016959
## 1999	25	3.117594	16.284370	0.017029
## 2000	411	0.628510	3.599380	0.013452
## 2001	832	5.594431	19.002094	0.014048
## 2002	87	2.976235	17.820856	0.011913
## 2003	888	4.057363	13.626154	0.014318
## 2004	995	2.466261	9.707712	0.014189
## 2005	153	3.634612	9.686341	0.013452
## 2006	101	4.179002	14.876176	0.014255
## 2007	198	3.324478	8.086935	0.014375

## 2008	144	2.263089	6.564608	0.015640
## 2009	158	2.278191	6.621004	0.013626
## 2010	858	0.679421	3.255301	0.015036
## 2011	53	0.486359	2.609007	0.015927
## 2012	227	0.830134	3.853956	0.013613
## 2013	250	0.697090	5.686858	0.014694
## 2014	25	2.592204	29.433172	0.019368
## 2015	125	0.079568	1.289672	0.016829
## 2016	25	0.593821	7.519191	0.016205
## 2017	97	2.157486	8.163870	0.018887
## 2018	90	1.213933	7.979492	0.016571
## 2019	42	9.701338	6.475696	0.016015
## 2020	60	1.214396	13.628119	0.015069
## 2021	63	7.584796	7.841424	0.019506
## 2022	50	4.107873	17.817635	0.019582
## 2023	76	0.097899	1.948177	0.015687
## 2024	43	1.976822	17.586473	0.018349
## 2025	80	0.795185	5.824692	0.019380
## 2026	54	0.858785	3.615660	0.015986
## 2027	32	1.528690	8.337291	0.013677
## 2028	189	2.722056	11.051346	0.017477
## 2029	96	0.831389	3.385429	0.018205
## 2030	43	1.942668	5.020786	0.015708
## 2031	63	2.468836	20.246876	0.018068
## 2032	70	0.663069	4.700867	0.017115
## 2033	30	1.404353	9.085158	0.018141
## 2034	33	0.776223	3.888530	0.014329
## 2035	28	1.116347	6.327427	0.019715
## 2036	25	3.059330	13.985573	0.014865
## 2037	38	1.135002	4.553109	0.019705
## 2038	25	2.447819	13.060814	0.015825
## 2039	25	1.189351	14.321151	0.009712
## 2040	44	1.045212	11.210843	0.017368
## 2041	34	0.721802	4.427767	0.012862
## 2042	90	0.162932	1.853424	0.016966
## 2043	56	0.804284	4.793345	0.016791
## 2044	33	2.040599	19.859074	0.019722
## 2045	25	0.813714	3.204370	0.018131
## 2046	31	2.622673	9.138339	0.010484
## 2047	44	2.535732	8.726554	0.019065
## 2048	45	2.959796	14.130825	0.014471
## 2049	26	1.700431	6.990290	0.018276
## 2050	26	0.955485	3.830431	0.015378
## 2051	71	2.155263	13.316455	0.018752
## 2052	25	0.546559	2.454504	0.016117
## 2053	27	2.810208	6.458272	0.017196
## 2054	36	4.439810	12.468647	0.012906
## 2055	43	1.781065	6.344661	0.018529
## 2056	183	1.001745	4.321971	0.020024
## 2057	80	0.494292	4.144866	0.018115
## 2058	46	0.109318	1.004758	0.017947
## 2059	25	4.436198	28.384905	0.013822
## 2060	44	5.326471	18.557270	0.018894
## 2061	40	0.962746	6.425385	0.015150

## 2062	44	8.551598	27.727736	0.019447
## 2063	88	1.841686	8.503669	0.017129
## 2064	73	4.248737	17.562773	0.020162
## 2065	33	1.125102	11.593810	0.018572
## 2066	99	0.777063	7.936913	0.017273
## 2067	44	1.304116	4.112548	0.020156
## 2068	53	0.247982	2.711140	0.016636
## 2069	87	2.188955	10.453750	0.018603
## 2070	41	2.921967	14.658941	0.027770
## 2071	92	0.762938	5.595521	0.018811
## 2072	28	7.036768	30.846111	0.015293
## 2073	45	0.881028	8.017768	0.022612
## 2074	61	0.934887	5.212945	0.017811
## 2075	51	1.663577	7.514314	0.020492
## 2076	45	4.293467	11.149978	0.021015
## 2077	69	4.518682	16.975883	0.022394
## 2078	49	1.000695	4.404251	0.026577
## 2079	25	4.780627	21.032314	0.021133
## 2080	32	9.527324	23.118961	0.017990
## 2081	58	7.460418	19.920059	0.019290
## 2082	49	3.989858	10.282042	0.019888
## 2083	56	6.586314	23.846148	0.018632
## 2084	41	3.351449	12.504230	0.019272
## 2085	98	7.916103	11.803308	0.020278
## 2086	25	0.166635	2.258587	0.018865
## 2087	115	7.824043	20.980682	0.020416
## 2088	188	2.913383	9.662837	0.023761
## 2089	151	0.511515	2.776474	0.017001
## 2090	227	0.363778	3.590167	0.014475
## 2091	645	0.752900	3.483793	0.015362
## 2092	73	1.993947	9.086894	0.016270
## 2093	25	2.992307	16.209000	0.014725
## 2094	548	0.541970	3.651181	0.014234
## 2095	250	0.433264	3.355163	0.015260
## 2096	364	0.139169	2.512808	0.014908
## 2097	626	0.237241	2.651912	0.016825
## 2098	272	0.580646	3.428857	0.015935
## 2099	692	0.271042	2.589444	0.013789
## 2100	119	0.350811	3.323022	0.013166
## 2101	148	0.581055	3.175459	0.014581
## 2102	37	0.362562	3.996319	0.014204
## 2103	495	0.034092	2.589161	0.014028
## 2104	288	0.439384	3.335189	0.014030
## 2105	54	0.550966	3.762077	0.015152
## 2106	204	0.658429	3.335404	0.013900
## 2107	552	0.422344	2.923264	0.014563
## 2108	895	1.052174	4.279843	0.015503
## 2109	25	2.985035	15.731297	0.010041
## 2110	322	0.525287	3.770741	0.013734
## 2111	751	0.388539	2.409790	0.014585
## 2112	410	0.067311	1.537534	0.013394
## 2113	1176	0.332656	2.241163	0.013686
## 2114	486	0.411529	2.652268	0.012609
## 2115	678	0.330654	2.245834	0.014400

## 2116	52	1.868814	6.564077	0.016717
## 2117	36	2.775871	10.874981	0.015272
## 2118	26	3.134700	13.509113	0.008716
## 2119	93	4.318365	12.499994	0.013508
## 2120	34	2.378197	12.357833	0.012006
## 2121	37	2.337142	10.504739	0.013906
## 2122	65	3.034995	9.270851	0.014615
## 2123	390	0.336948	2.319601	0.013399
## 2124	65	0.710461	3.275565	0.010952
## 2125	85	1.322712	5.165733	0.012286
## 2126	232	1.200729	6.360524	0.013271
## 2127	84	1.707780	8.763540	0.014637
## 2128	90	0.986531	9.487388	0.011467
## 2129	42	11.650067	8.800942	0.017781
## 2130	62	1.009912	12.775235	0.015817
## 2131	61	7.696970	5.974256	0.018804
## 2132	217	0.324346	3.572973	0.016993
## 2133	260	0.237641	1.947263	0.017024
## 2134	96	0.425715	2.517631	0.022421
## 2135	63	0.406197	1.971284	0.020462
## 2136	100	0.127318	1.847311	0.016242
## 2137	114	2.848977	10.116253	0.018534
## 2138	129	1.825007	9.599022	0.019302
## 2139	81	0.811497	3.464963	0.019674
## 2140	48	0.060441	0.927482	0.016825
## 2141	135	0.469728	2.734016	0.019705
## 2142	29	4.260593	21.356709	0.008782
## 2143	159	0.987801	3.845816	0.018224
## 2144	27	1.478027	13.316667	0.017508
## 2145	27	1.130766	5.805067	0.012961
## 2146	35	1.946952	20.538029	0.012153
## 2147	25	0.633627	7.431622	0.018241
## 2148	27	0.476310	1.671855	0.014628
## 2149	26	0.175675	1.654639	0.016975
## 2150	29	0.836720	6.099517	0.020086
## 2151	25	5.638906	9.495418	0.023691
## 2152	25	4.746581	33.747452	0.022097
## 2153	41	7.560223	22.661434	0.021161
## 2154	38	2.237510	11.459405	0.018894
## 2155	25	0.682215	9.257299	0.020887
## 2156	25	1.312719	7.178088	0.019394
## 2157	38	1.346112	6.600036	0.017077
## 2158	135	0.518337	2.729238	0.020708
## 2159	90	4.280183	8.269998	0.018319
## 2160	95	0.043536	1.241278	0.019667
## 2161	29	0.016082	1.527912	0.014863
## 2162	105	1.001406	3.429192	0.020412
## 2163	114	0.446262	2.949521	0.018130
## 2164	59	0.066417	1.970823	0.019227
## 2165	96	2.751851	7.145457	0.024662
## 2166	25	0.126937	3.069386	0.022433
## 2167	88	0.178801	1.853864	0.019344
## 2168	25	0.142127	3.297653	0.015000
## 2169	75	0.201762	5.612033	0.017464

## 2170	72	6.734895	14.200910	0.020577
## 2171	29	0.640807	3.038797	0.017409
## 2172	47	0.479567	3.188171	0.019896
## 2173	49	0.125794	1.913862	0.021571
## 2174	78	0.577002	3.056221	0.020309
## 2175	167	4.940226	12.353430	0.016354
## 2176	58	11.538826	22.462700	0.020786
## 2177	96	4.184269	10.945007	0.018738
## 2178	73	2.807722	11.653479	0.019201
## 2179	25	0.634691	11.635943	0.009132
## 2180	104	7.918165	21.328861	0.019829
## 2181	195	2.536955	8.903066	0.020209
## 2182	308	2.307262	8.069066	0.018047
## 2183	399	2.659142	8.289001	0.015174
## 2184	53	1.195620	6.227014	0.014440
## 2185	146	1.129074	6.046259	0.013623
## 2186	256	4.713105	11.601806	0.012651
## 2187	262	3.788194	10.404078	0.018948
## 2188	231	0.695036	3.028806	0.018770
## 2189	261	0.313846	4.193440	0.020721
## 2190	203	0.648116	3.755828	0.020994
## 2191	147	4.703693	13.640187	0.017420
## 2192	121	1.604957	6.788598	0.020387
## 2193	65	0.595714	4.113323	0.019754
## 2194	89	3.843404	13.540331	0.018433
## 2195	31	2.268956	7.857522	0.013531
## 2196	287	0.710943	3.052407	0.018974
## 2197	195	7.588531	22.431410	0.019620
## 2198	319	0.628654	2.935186	0.018866
## 2199	106	0.130491	2.261952	0.017135
## 2200	154	0.056198	2.485294	0.019263
## 2201	322	0.121314	1.770793	0.017486
## 2202	237	0.465234	3.194613	0.015338
## 2203	128	0.525860	4.269806	0.016346
## 2204	106	0.341823	2.887859	0.013537
## 2205	120	0.386375	3.321055	0.014123
## 2206	112	0.459876	3.518024	0.016786
## 2207	113	0.458957	3.511538	0.015980
## 2208	74	0.764551	4.951141	0.014834
## 2209	194	0.405523	2.794760	0.015369
## 2210	37	0.490155	3.512254	0.013835
## 2211	25	2.870236	34.585602	0.010493
## 2212	69	0.109590	2.872052	0.012030
## 2213	150	1.763289	11.062345	0.012525
## 2214	163	6.689344	18.576860	0.018086
## 2215	25	3.274842	25.429930	0.011867
## 2216	55	1.611108	8.032290	0.016184
## 2217	44	2.980448	18.535639	0.015667
## 2218	26	1.016780	4.715680	0.014836
## 2219	71	1.988393	11.319589	0.017411
## 2220	48	0.656225	4.911164	0.019799
## 2221	27	1.562462	16.040007	0.013577
## 2222	25	2.146441	13.406792	0.011119
## 2223	59	3.294651	10.526297	0.017793

## 2224	269	0.736523	4.310588	0.019845
## 2225	237	0.200373	1.657618	0.019524
## 2226	247	0.519587	3.391788	0.017608
## 2227	361	0.311150	1.740586	0.015155
## 2228	54	5.671946	31.213198	0.015733
## 2229	43	5.345246	14.315845	0.014913
## 2230	30	4.239428	11.293821	0.015042
## 2231	25	2.729488	25.432829	0.014432
## 2232	66	2.255483	9.197981	0.015598
## 2233	25	2.901559	32.071732	0.014179
## 2234	74	1.362915	6.467137	0.015216
## 2235	74	1.590558	6.245324	0.015935
## 2236	72	2.066921	5.740376	0.012517
## 2237	68	6.745525	13.502008	0.010406
## 2238	128	7.966401	21.385324	0.012776
## 2239	82	5.862384	17.642311	0.015806
## 2240	49	2.195023	10.301842	0.013047
## 2241	65	5.831425	18.031425	0.014968
## 2242	79	3.197285	9.520303	0.016357
## 2243	25	3.388166	14.301767	0.019431
## 2244	155	4.464276	12.972347	0.018477
## 2245	25	2.897830	7.994592	0.014128
## 2246	29	5.397870	13.065652	0.016834
## 2247	67	5.694307	15.167775	0.015550
## 2248	25	4.873774	14.325852	0.015612
## 2249	50	8.277648	23.206221	0.019375
## 2250	72	1.911012	12.765746	0.015483
## 2251	102	2.140815	3.344337	0.016330
## 2252	25	5.467461	49.699650	0.018165
## 2253	32	2.570532	11.825905	0.016057
## 2254	25	5.942546	20.580395	0.017152
## 2255	41	5.381267	19.012463	0.016459
## 2256	25	1.488975	6.338529	0.014978
## 2257	44	3.736775	10.321703	0.015322
## 2258	51	0.527757	8.015510	0.015869
## 2259	58	2.582466	11.952551	0.015270
## 2260	88	0.860901	5.670651	0.019740
## 2261	54	0.459159	3.079688	0.015839
## 2262	64	3.023256	12.661899	0.018271
## 2263	62	3.836819	6.852379	0.009406
## 2264	59	1.834106	9.639627	0.020027
## 2265	33	2.107839	6.807614	0.016263
## 2266	62	0.355218	1.797625	0.016596
## 2267	90	1.038393	5.202708	0.017781
## 2268	72	2.454137	17.345243	0.014188
## 2269	98	2.378228	13.444754	0.017780
## 2270	53	6.392187	17.917751	0.017853
## 2271	34	2.624506	13.575788	0.016320
## 2272	25	2.509612	11.949071	0.014639
## 2273	25	2.079726	7.214610	0.018311
## 2274	58	1.898398	10.493625	0.018505
## 2275	38	1.816392	6.306210	0.017146
## 2276	29	1.328155	7.562736	0.017506
## 2277	32	2.356784	14.424363	0.019526

## 2278	32	0.782940	7.407117	0.018334
## 2279	41	3.400774	10.721764	0.017313
## 2280	31	2.141653	10.621434	0.017657
## 2281	30	3.258991	24.618587	0.017234
## 2282	25	1.976913	13.688398	0.016929
## 2283	37	0.941204	7.867589	0.018160
## 2284	25	9.116568	28.250389	0.016083
## 2285	44	1.280707	11.742759	0.020010
## 2286	38	2.404466	12.680077	0.021428
## 2287	134	0.100467	1.697847	0.022463
## 2288	61	0.926571	11.954855	0.022476
## 2289	60	7.996358	5.389048	0.020849
## 2290	25	2.219347	23.708008	0.019470
## 2291	26	6.631770	20.791805	0.019626
## 2292	49	8.166036	26.309677	0.021393
## 2293	41	5.823308	21.357470	0.021494
## 2294	113	4.784219	14.765411	0.020099
## 2295	125	4.598771	15.128000	0.023238
## 2296	165	0.413685	2.552252	0.018143
## 2297	182	0.429162	2.865821	0.017213
## 2298	209	0.332309	2.299465	0.016701
## 2299	269	3.901612	10.850998	0.014733
## 2300	93	1.059366	7.022833	0.013890
## 2301	364	2.528766	9.715179	0.015037
## 2302	217	1.191320	9.636646	0.015974
## 2303	152	0.063072	2.003555	0.014982
## 2304	73	0.119181	2.040067	0.016012
## 2305	409	0.465757	3.568976	0.015850
## 2306	26	0.162430	5.658941	0.014683
## 2307	100	0.354087	5.493063	0.016873
## 2308	66	0.379901	4.789318	0.013164
## 2309	132	0.554578	5.614606	0.012552
## 2310	103	0.196338	2.584469	0.015170
## 2311	185	0.693971	5.741805	0.013017
## 2312	69	0.301589	2.447354	0.011814
## 2313	59	0.829800	10.232594	0.013371
## 2314	25	1.206796	20.379734	0.011814
## 2315	70	0.762914	8.316949	0.010725
## 2316	39	1.453601	8.238368	0.015441
## 2317	25	4.623755	25.840715	0.009412
## 2318	87	1.456816	5.822551	0.019492
## 2319	71	2.476547	7.465183	0.015451
## 2320	82	3.215473	12.616857	0.014568
## 2321	46	0.905048	6.374146	0.014320
## 2322	33	0.894491	3.087858	0.014763
## 2323	38	1.885645	11.019521	0.012546
## 2324	59	1.404477	5.776295	0.019540
## 2325	66	4.141975	14.787876	0.016569
## 2326	94	2.061337	7.174706	0.017034
## 2327	75	3.544446	26.728600	0.013926
## 2328	38	0.539149	5.400119	0.010847
## 2329	29	0.331099	4.098872	0.014449
## 2330	104	1.339370	7.237181	0.016027
## 2331	169	0.350992	5.258327	0.014263

## 2332	132	1.007593	5.442528	0.013118
## 2333	61	3.373402	16.760780	0.015652
## 2334	62	3.620845	11.387850	0.018404
## 2335	56	3.306328	8.492794	0.014183
## 2336	34	5.606746	31.834854	0.015486
## 2337	36	3.816285	22.704657	0.013056
## 2338	25	0.200616	5.880217	0.013058
## 2339	89	0.605387	3.295678	0.013342
## 2340	35	0.225998	6.663805	0.013015
## 2341	42	0.206415	6.004701	0.009821
## 2342	28	3.302592	17.467264	0.026107
## 2343	159	0.938642	3.578463	0.025707
## 2344	26	1.534675	12.699264	0.022089
## 2345	28	0.959104	5.138879	0.020684
## 2346	35	1.881858	20.346827	0.019676
## 2347	25	0.612642	7.524259	0.020065
## 2348	27	0.487158	1.867739	0.017351
## 2349	26	0.179875	1.314698	0.016073
## 2350	29	0.824423	5.933731	0.016372
## 2351	25	5.462543	8.445924	0.018896
## 2352	25	4.873128	33.461540	0.018501
## 2353	41	7.433355	21.664585	0.018517
## 2354	38	2.042921	10.854100	0.018173
## 2355	25	0.722097	9.066552	0.018799
## 2356	25	1.381650	7.028645	0.020076
## 2357	40	1.340815	6.382365	0.020990
## 2358	134	0.476281	2.595639	0.018179
## 2359	32	6.664282	38.143051	0.016102
## 2360	25	2.078094	11.371530	0.014029
## 2361	39	5.181342	18.540800	0.014568
## 2362	25	5.351449	12.238903	0.013654
## 2363	25	1.450320	5.891292	0.013589
## 2364	43	3.299086	8.783000	0.014792
## 2365	51	0.484213	7.588384	0.020434
## 2366	212	0.195338	1.554049	0.019920
## 2367	260	0.235069	1.950533	0.018004
## 2368	97	0.397283	2.462752	0.020557
## 2369	63	0.405515	1.829264	0.019196
## 2370	100	0.111138	1.682736	0.017642
## 2371	113	2.894193	10.008876	0.017368
## 2372	130	1.796631	9.219247	0.018295
## 2373	80	0.777078	2.924543	0.017877
## 2374	49	0.071699	1.257040	0.015891
## 2375	131	0.393680	2.193998	0.021923
## 2376	26	0.133924	2.379695	0.019424
## 2377	33	3.098587	22.139793	0.004580
## 2378	62	1.406348	10.498549	0.027895
## 2379	178	3.553969	11.708961	0.016562
## 2380	123	3.539328	11.794405	0.019140
## 2381	113	1.728016	7.332991	0.016701
## 2382	405	3.558804	10.303279	0.016233
## 2383	79	0.208114	1.431908	0.015698
## 2384	1624	0.330859	2.126674	0.016238
## 2385	362	0.670440	4.449340	0.017567

## 2386	101	0.081729	1.773152	0.017381
## 2387	77	2.413531	8.792731	0.015594
## 2388	153	0.548452	3.373363	0.016017
## 2389	37	4.674584	12.613364	0.015378
## 2390	25	2.540150	25.724878	0.018282
## 2391	25	10.832266	20.788433	0.012546
## 2392	126	0.547508	3.573904	0.015848
## 2393	475	0.366739	2.629532	0.014705
## 2394	389	0.725152	4.518487	0.015211
## 2395	462	0.535508	2.869254	0.014969
## 2396	799	0.196655	1.487260	0.016936
## 2397	44	1.420691	20.171360	0.006644
## 2398	113	0.492903	2.540516	0.019686
## 2399	218	0.942773	3.443372	0.017173
## 2400	849	0.209568	1.334636	0.015670
## 2401	134	0.831168	3.784005	0.015669
## 2402	331	0.975424	5.240077	0.017835
## 2403	39	6.405004	24.002907	0.001190
## 2404	32	1.663770	7.874647	0.010204
## 2405	25	2.404024	8.885787	0.010377
## 2406	25	2.693317	14.254214	0.011241
## 2407	44	1.701903	5.886467	0.019238
## 2408	79	1.301096	6.582254	0.016523
## 2409	25	3.288876	9.503028	0.009375
## 2410	41	1.423420	8.994328	0.016365
## 2411	44	4.041754	16.560705	0.014644
## 2412	40	1.634003	7.893537	0.018434
## 2413	32	2.277373	9.192046	0.027578
## 2414	36	8.532305	21.420225	0.020376
## 2415	106	1.420671	8.907422	0.022949
## 2416	122	1.248765	7.559245	0.020384
## 2417	83	0.076665	0.604357	0.020738
## 2418	46	0.993005	5.276897	0.017922
## 2419	36	6.665873	11.992043	0.011944
## 2420	30	3.815598	10.336034	0.020215
## 2421	31	0.074270	1.561434	0.016860
## 2422	39	2.683624	8.713992	0.019344
## 2423	30	3.114443	12.220876	0.014742
## 2424	34	1.788429	7.543277	0.016707
## 2425	30	0.112419	2.322025	0.015659
## 2426	44	5.962706	17.178545	0.016248
## 2427	25	3.071675	15.369061	0.013268
## 2428	57	0.481366	1.764955	0.016574
## 2429	46	5.269201	13.627501	0.018382
## 2430	25	4.431430	26.266384	0.017527
## 2431	32	1.704648	8.767513	0.016540
## 2432	38	1.342096	6.569714	0.017192
## 2433	52	2.202082	8.024710	0.015481
## 2434	45	4.830101	9.766464	0.014866
## 2435	63	0.343785	2.383209	0.014590
## 2436	30	0.174418	1.950850	0.015748
## 2437	25	6.087876	31.354197	0.012932
## 2438	25	9.141716	21.081743	0.015139
## 2439	43	4.544977	14.500189	0.015273

## 2440	25	2.910922	16.682404	0.010949
## 2441	25	4.499249	21.569380	0.010770
## 2442	97	2.634748	9.269186	0.017411
## 2443	219	0.623171	4.205273	0.020969
## 2444	133	6.070674	19.521318	0.017114
## 2445	45	0.791988	4.611310	0.014636
## 2446	66	1.543073	6.408899	0.019438
## 2447	68	3.067938	7.948979	0.018780
## 2448	71	2.095663	8.820716	0.019742
## 2449	111	0.379892	2.586545	0.021012
## 2450	95	4.890411	11.127152	0.019885
## 2451	79	2.930797	11.297935	0.018714
## 2452	43	0.467813	4.037656	0.016424
## 2453	106	5.555051	18.768843	0.021470
## 2454	178	1.121677	4.869689	0.018836
## 2455	25	0.893879	15.179281	0.016380
## 2456	27	0.458028	14.649190	0.018762
## 2457	25	3.899166	21.165491	0.024922
## 2458	58	1.337519	9.499265	0.019832
## 2459	218	0.523117	3.396759	0.019021
## 2460	472	0.400655	1.979756	0.016282
## 2461	877	0.507501	2.487703	0.014987
## 2462	313	0.372499	2.206062	0.012878
## 2463	602	0.132593	2.082374	0.012562
## 2464	454	1.621803	7.339590	0.012660
## 2465	58	0.511733	6.517914	0.013241
## 2466	40	0.226461	2.090138	0.011508
## 2467	25	1.244256	19.426464	0.015358
## 2468	74	1.661326	12.436456	0.014054
## 2469	272	1.108678	6.913022	0.015985
## 2470	548	0.736896	3.339846	0.014988
## 2471	1800	0.405100	2.186434	0.012592
## 2472	146	0.257186	2.293871	0.013035
## 2473	180	4.587895	10.198459	0.015374
## 2474	428	0.734976	3.926579	0.016023
## 2475	28	4.839242	31.295431	0.017391
## 2476	57	1.532920	12.411420	0.011196
## 2477	62	7.727986	6.443583	0.015970
## 2478	36	3.929545	24.652498	0.014947
## 2479	34	2.136740	29.680256	0.018316
## 2480	64	2.247310	15.917876	0.019978
## 2481	25	3.411976	19.521574	0.017162
## 2482	28	0.455414	2.896525	0.011278
## 2483	25	0.750368	10.660269	0.015107
## 2484	81	2.691683	11.529444	0.021174
## 2485	52	0.719401	6.735745	0.023882
## 2486	28	3.174601	8.594174	0.018371
## 2487	55	1.799097	11.753441	0.020982
## 2488	36	1.842620	5.850173	0.018219
## 2489	136	2.634696	8.412582	0.017380
## 2490	140	1.295012	6.574642	0.015968
## 2491	25	2.218036	23.468468	0.018530
## 2492	25	2.841836	23.411386	0.019791
## 2493	25	2.660822	14.830094	0.015616

## 2494	89	0.655340	3.381024	0.016830
## 2495	43	5.090592	13.507754	0.018851
## 2496	89	0.931204	3.984627	0.014546
## 2497	84	3.360512	8.944818	0.017613
## 2498	82	2.338580	16.175161	0.015306
## 2499	30	1.410242	13.072606	0.013005
## 2500	225	3.625742	13.841768	0.018351
## 2501	25	1.412248	20.608522	0.015021
## 2502	263	0.646583	3.231197	0.020321
## 2503	239	0.192394	1.593596	0.018949
## 2504	247	0.514152	3.299023	0.018010
## 2505	360	0.287110	1.645700	0.017919
## 2506	29	3.220617	27.642706	0.015039
## 2507	47	5.077461	18.566151	0.017134
## 2508	40	0.939600	6.121276	0.016450
## 2509	44	7.867354	24.919489	0.005126
## 2510	88	1.638911	8.268417	0.017111
## 2511	63	3.244731	15.121862	0.019195
## 2512	88	0.787358	4.792826	0.018793
## 2513	54	0.460105	3.011096	0.013370
## 2514	64	2.692349	11.108851	0.014845
## 2515	62	2.031567	3.147592	0.017333
## 2516	59	1.752988	8.655527	0.017330
## 2517	33	2.044943	6.015034	0.015630
## 2518	62	0.253464	1.364128	0.018443
## 2519	90	0.871579	3.658545	0.018389
## 2520	71	2.447997	17.134909	0.019705
## 2521	99	2.436702	13.867272	0.019031
## 2522	28	3.710794	12.531116	0.017750
## 2523	25	6.757947	28.179651	0.015933
## 2524	46	1.128357	6.335805	0.018722
## 2525	75	0.255983	1.825035	0.021833
## 2526	55	2.079082	5.832146	0.017716
## 2527	28	3.021569	6.895775	0.015379
## 2528	25	1.404194	4.747835	0.019271
## 2529	120	1.990757	7.795052	0.019231
## 2530	61	0.484493	2.191949	0.017512
## 2531	33	0.000803	0.207687	0.018405
## 2532	25	0.804754	3.701397	0.015760
## 2533	25	0.419532	3.958406	0.018125
## 2534	25	9.241348	15.361693	0.017216
## 2535	93	0.351974	2.960798	0.019350
## 2536	68	2.612646	9.546116	0.017210
## 2537	82	0.941117	9.210938	0.017982
## 2538	41	11.110957	6.465858	0.017864
## 2539	25	0.495717	6.541461	0.022559
## 2540	569	0.715168	4.075287	0.015699
## 2541	263	1.758553	6.915891	0.019540
## 2542	25	1.844719	20.814852	0.015186
## 2543	66	0.238191	1.555095	0.015329
## 2544	344	1.260458	6.394168	0.018556
## 2545	287	0.537346	4.143865	0.016991
## 2546	179	5.007030	16.436489	0.016040
## 2547	194	0.669223	4.585431	0.014741

## 2548	109	1.354231	10.083488	0.016714
## 2549	25	0.467266	6.104054	0.013644
## 2550	103	0.117227	1.555473	0.017024
## 2551	298	1.287475	4.054283	0.016824
## 2552	234	4.578648	13.273555	0.016266
## 2553	111	2.378540	13.333052	0.017526
## 2554	97	2.059881	7.082364	0.009484
## 2555	258	2.451574	7.351324	0.017115
## 2556	339	1.665642	5.802100	0.016990
## 2557	419	0.733051	4.355210	0.017295
## 2558	107	1.772554	5.463904	0.016621
## 2559	81	0.874256	9.705453	0.014440
## 2560	172	0.647072	2.998792	0.013272
## 2561	25	2.932693	27.909412	0.007610
## 2562	50	1.130843	8.693857	0.012490
## 2563	25	5.270331	28.965565	0.019121
## 2564	25	1.128749	13.585287	0.010687
## 2565	42	0.710232	4.910395	0.012791
## 2566	57	2.446288	10.887295	0.012249
## 2567	46	4.736755	15.135051	0.013520
## 2568	109	1.196994	6.998159	0.009914
## 2569	62	0.979026	9.693948	0.010168
## 2570	99	1.993299	12.456534	0.011165
## 2571	98	2.620047	10.052615	0.009238
## 2572	96	8.379624	20.153841	0.011487
## 2573	25	5.932732	33.905582	0.010506
## 2574	214	0.504033	6.410065	0.010355
## 2575	152	1.535765	8.921708	0.012905
## 2576	339	0.267902	2.102383	0.012768
## 2577	110	0.378425	1.932648	0.010141
## 2578	94	0.414990	1.431481	0.013842
## 2579	30	0.456142	1.710055	0.014778
## 2580	70	0.252798	2.730528	0.013527
## 2581	82	1.317980	8.530479	0.011460
## 2582	56	0.435848	6.035202	0.009515
## 2583	266	2.161978	5.710510	0.010921
## 2584	69	1.276659	6.303471	0.010787
## 2585	379	3.787381	9.779880	0.011712
## 2586	98	4.204868	12.539148	0.011420
## 2587	51	2.129711	7.395956	0.010183
## 2588	801	0.284535	1.895409	0.015299
## 2589	917	1.329112	3.950002	0.014882
## 2590	496	0.469405	2.217134	0.014768
## 2591	443	0.335480	2.379379	0.015387
## 2592	150	0.770694	4.516570	0.015517
## 2593	165	0.288805	2.455205	0.018844
## 2594	46	2.118412	18.342178	0.014951
## 2595	25	2.393371	8.736912	0.018204
## 2596	25	2.766682	14.649374	0.013660
## 2597	44	1.718562	6.011470	0.012701
## 2598	79	1.335472	6.566246	0.011611
## 2599	25	3.125242	9.454789	0.002661
## 2600	40	1.388092	8.702208	0.011816
## 2601	25	4.621306	19.186077	0.022764

## 2602	59	2.527671	12.453849	0.015097
## 2603	33	2.320562	10.012919	0.015746
## 2604	36	8.059597	21.277699	0.011987
## 2605	106	1.455571	8.981178	0.017168
## 2606	121	1.226002	7.107277	0.023241
## 2607	84	0.123358	0.994985	0.022965
## 2608	52	3.625082	10.642144	0.018486
## 2609	74	3.756504	12.428800	0.020906
## 2610	32	0.779967	10.943711	0.017340
## 2611	41	3.812770	11.171789	0.022281
## 2612	45	1.759379	8.672538	0.017144
## 2613	80	1.668691	7.609711	0.026457
## 2614	53	5.510038	15.853240	0.020902
## 2615	60	2.948179	12.362010	0.019781
## 2616	32	4.602694	22.849173	0.017635
## 2617	26	0.491116	3.987123	0.016362
## 2618	102	1.997877	10.919491	0.018090
## 2619	85	3.696758	12.675477	0.018013
## 2620	55	0.254211	1.841219	0.019373
## 2621	25	5.732300	45.610573	0.016109
## 2622	31	2.374942	11.092016	0.015694
## 2623	25	5.880411	19.269678	0.014273
## 2624	41	4.949345	17.105404	0.015630
## 2625	25	1.229074	5.264936	0.010396
## 2626	44	3.193983	8.572513	0.019733
## 2627	51	0.508326	7.639033	0.017501
## 2628	214	0.252944	2.372576	0.017822
## 2629	261	0.242224	2.034667	0.020173
## 2630	96	0.386045	2.214788	0.016279
## 2631	63	0.405615	1.935166	0.019324
## 2632	100	0.110834	1.623863	0.017554
## 2633	114	2.866823	10.069178	0.021119
## 2634	129	1.794219	9.133826	0.018217
## 2635	81	0.820893	3.390447	0.019801
## 2636	48	0.057785	0.913368	0.013291
## 2637	135	0.420709	2.374907	0.018166
## 2638	91	4.216653	8.669150	0.018606
## 2639	95	0.046247	1.197446	0.015816
## 2640	30	0.028848	1.906911	0.017342
## 2641	105	0.961759	3.101312	0.025474
## 2642	114	0.333541	1.927267	0.024337
## 2643	58	0.030446	1.543057	0.018185
## 2644	97	2.599709	6.446969	0.015407
## 2645	25	0.333484	2.995020	0.020307
## 2646	87	0.194929	1.678302	0.020879
## 2647	25	0.172357	3.655624	0.015194
## 2648	37	0.102900	2.833195	0.020122
## 2649	32	2.968814	20.444975	0.021301
## 2650	63	1.603883	11.154498	0.019464
## 2651	700	0.755869	4.573668	0.017384
## 2652	29	0.182023	3.038772	0.016325
## 2653	25	0.227771	2.853604	0.014052
## 2654	37	0.502828	3.442521	0.014741
## 2655	68	0.202699	2.020846	0.014753

## 2656	210	0.273213	2.442278	0.011767
## 2657	36	0.210406	2.450377	0.006528
## 2658	41	0.173100	2.302399	0.014282
## 2659	178	0.310777	2.691581	0.012716
## 2660	39	0.248622	4.086040	0.010796
## 2661	34	0.197244	3.048539	0.013213
## 2662	36	0.292402	3.694696	0.011716
## 2663	54	0.709221	4.458519	0.013890
## 2664	569	0.639941	4.035587	0.014908
## 2665	1048	0.265641	2.263202	0.015815
## 2666	106	0.484032	2.766777	0.017676
## 2667	344	0.268860	1.654037	0.015399
## 2668	60	0.174075	1.592529	0.016761
## 2669	553	0.296225	1.880280	0.016212
## 2670	112	0.136072	1.583702	0.014646
## 2671	605	0.447796	2.257918	0.013687
## 2672	229	0.802193	4.775460	0.012730
## 2673	1281	0.432564	2.218630	0.016618
## 2674	191	0.529700	3.963738	0.013152
## 2675	554	0.008072	1.269242	0.015340
## 2676	1133	0.374647	1.834815	0.015632
## 2677	456	0.021784	1.908814	0.013652
## 2678	114	0.442703	2.901276	0.012893
## 2679	149	0.636780	3.595487	0.016217
## 2680	150	0.450537	2.516040	0.013265
## 2681	149	0.178262	1.997124	0.013767
## 2682	150	0.563150	2.840724	0.015361
## 2683	60	0.524808	3.487602	0.014919
## 2684	91	1.659451	6.291581	0.015657
## 2685	36	5.834730	14.434182	0.011062
## 2686	249	4.269500	12.706748	0.015941
## 2687	63	2.668645	9.492065	0.017514
## 2688	1339	0.606292	2.572541	0.014100
## 2689	263	0.003751	1.522005	0.013963
## 2690	65	1.129778	6.401554	0.015891
## 2691	114	0.156096	2.083259	0.015704
## 2692	89	1.021259	3.647093	0.016985
## 2693	77	0.303653	3.134243	0.016912
## 2694	99	0.680255	6.259881	0.017012
## 2695	28	0.044830	0.997873	0.009832
## 2696	69	0.280857	4.783362	0.014560
## 2697	28	0.327896	4.487473	0.017157
## 2698	96	0.478960	3.717627	0.012431
## 2699	53	1.536490	6.398827	0.017260
## 2700	78	0.847913	7.738036	0.014498
## 2701	30	0.334152	2.992071	0.014654
## 2702	63	0.838436	4.959071	0.015763
## 2703	261	0.561800	2.133664	0.016794
## 2704	28	0.157940	2.580927	0.011401
## 2705	57	0.778504	4.040576	0.016783
## 2706	90	0.056134	1.456777	0.015013
## 2707	49	0.181418	3.150629	0.012563
## 2708	55	2.363254	13.338166	0.016043
## 2709	78	1.964092	7.277877	0.015285

## 2710	172	1.480327	7.049139	0.016142
## 2711	55	2.636197	9.340733	0.013695
## 2712	133	1.975059	6.831222	0.014778
## 2713	161	3.893388	11.846477	0.015419
## 2714	89	5.366455	22.091110	0.013400
## 2715	129	4.348787	11.837935	0.017083
## 2716	311	5.739861	19.448215	0.015657
## 2717	296	1.755878	8.244129	0.016061
## 2718	25	0.380588	3.904868	0.017646
## 2719	51	1.086675	3.841231	0.011802
## 2720	114	0.143548	2.038521	0.013938
## 2721	89	1.000282	3.569775	0.014157
## 2722	77	0.242812	3.000525	0.018380
## 2723	99	0.702760	6.367695	0.014705
## 2724	28	0.048966	0.937018	0.013103
## 2725	69	0.393258	4.939638	0.011496
## 2726	28	0.389418	4.449212	0.012412
## 2727	59	0.464725	4.398912	0.019637
## 2728	36	0.368132	1.804147	0.015213
## 2729	52	1.892148	6.619787	0.017973
## 2730	62	1.109012	8.788485	0.017093
## 2731	552	0.338851	1.874719	0.015374
## 2732	273	6.618790	21.182770	0.015609
## 2733	30	4.760952	27.734627	0.013375
## 2734	25	6.909018	32.469284	0.012180
## 2735	25	9.349676	20.393875	0.016308
## 2736	25	6.711496	20.265875	0.013692
## 2737	40	2.539175	13.078860	0.012669
## 2738	26	4.096189	15.912602	0.014982
## 2739	99	2.815166	10.697123	0.017083
## 2740	67	0.373622	5.444187	0.014018
## 2741	72	6.503426	13.049012	0.022846
## 2742	29	0.626721	2.975557	0.007153
## 2743	47	0.481066	2.803705	0.011445
## 2744	49	0.110191	1.383467	0.016501
## 2745	78	0.561160	2.897960	0.021536
## 2746	167	4.889630	11.634912	0.018946
## 2747	59	11.324211	22.073814	0.016442
## 2748	95	4.115846	10.338367	0.018415
## 2749	73	2.838337	11.716333	0.017513
## 2750	223	0.650346	5.431146	0.020463
## 2751	133	6.112948	19.674873	0.019221
## 2752	45	0.821594	4.700394	0.018536
## 2753	66	1.583873	6.722691	0.024065
## 2754	68	3.065279	8.158098	0.021167
## 2755	72	2.115012	8.980755	0.016183
## 2756	111	0.350397	2.408442	0.017259
## 2757	94	4.943329	10.909079	0.019799
## 2758	80	2.969724	11.382135	0.018433
## 2759	42	0.458460	3.662005	0.019239
## 2760	107	5.569655	18.882048	0.022012
## 2761	177	1.111467	4.744876	0.019230
## 2762	25	0.905863	14.846550	0.015904
## 2763	42	0.033960	0.074360	0.017888

## 2764	278	0.948058	5.865449	0.019908
## 2765	323	0.387410	1.971333	0.018719
## 2766	110	0.184276	2.858863	0.016150
## 2767	76	2.515552	9.022453	0.014449
## 2768	154	0.617470	3.622703	0.016978
## 2769	37	4.830573	12.818004	0.009831
## 2770	25	2.824054	26.581596	0.011858
## 2771	25	10.567436	20.701410	0.018061
## 2772	126	0.546691	3.381909	0.018398
## 2773	468	0.354074	2.535601	0.015313
## 2774	565	0.764659	4.414299	0.015155
## 2775	706	0.119155	1.440601	0.015124
## 2776	552	0.396171	2.001155	0.014362
## 2777	74	0.379037	3.591220	0.015078
## 2778	44	3.156468	25.843620	0.016221
## 2779	28	3.051569	22.701969	0.016225
## 2780	119	2.772000	13.147897	0.015882
## 2781	111	5.429400	15.079815	0.016007
## 2782	101	5.167157	15.565530	0.010178
## 2783	78	2.787707	8.665870	0.016549
## 2784	56	1.631341	7.152511	0.013195
## 2785	62	2.393689	9.765191	0.015387
## 2786	193	2.648834	8.996395	0.014800
## 2787	285	0.402319	2.504920	0.014634
## 2788	77	2.251204	14.581405	0.016407
## 2789	118	2.760135	12.897364	0.013902
## 2790	170	3.885422	16.000889	0.017809
## 2791	115	0.491665	2.893111	0.015305
## 2792	59	5.225711	17.119093	0.016032
## 2793	129	1.720880	5.798011	0.015219
## 2794	56	5.819878	15.172961	0.013796
## 2795	25	1.869557	24.403204	0.019787
## 2796	59	2.328533	15.502418	0.014332
## 2797	515	4.301061	13.309629	0.016717
## 2798	110	6.275081	23.634260	0.015872
## 2799	38	4.865633	13.866903	0.014914
## 2800	73	8.057876	25.859709	0.016715
## 2801	57	7.556035	22.827229	0.010621
## 2802	88	1.760430	9.767586	0.014734
## 2803	131	0.227163	3.009919	0.012980
## 2804	60	3.633203	10.906932	0.017261
## 2805	695	1.257267	5.076896	0.015950
## 2806	241	0.807421	4.677423	0.013865
## 2807	174	1.490176	7.043616	0.014145
## 2808	170	1.183371	6.269295	0.014386
## 2809	281	1.008575	4.444894	0.016618
## 2810	212	1.835799	6.733232	0.014121
## 2811	263	3.851912	10.897236	0.016258
## 2812	63	0.255273	3.803518	0.015382
## 2813	141	0.639700	4.537997	0.016006
## 2814	37	1.900117	5.304996	0.002101
## 2815	204	0.126673	0.941796	0.017047
## 2816	25	6.080256	48.860207	0.019128
## 2817	30	3.012792	14.201405	0.012661

## 2818	43	4.116847	10.493151	0.005258
## 2819	25	1.023266	3.620917	0.015010
## 2820	26	4.406165	22.530697	0.015757
## 2821	27	2.920202	7.052374	0.014898
## 2822	35	1.642587	11.875196	0.015369
## 2823	82	2.697283	10.739440	0.017502
## 2824	25	3.143075	22.891716	0.015763
## 2825	69	0.647609	3.280383	0.013766
## 2826	253	0.651219	3.606854	0.019809
## 2827	249	0.306407	1.847465	0.019674
## 2828	251	0.187051	1.749430	0.019135
## 2829	360	0.388235	1.976011	0.018321
## 2830	28	3.056013	27.006788	0.015134
## 2831	48	5.003466	18.481153	0.013458
## 2832	39	0.876282	5.437608	0.017173
## 2833	45	7.992537	25.116802	0.018610
## 2834	87	1.706090	8.049921	0.018336
## 2835	42	1.844450	11.738450	0.015112
## 2836	25	0.376320	2.826603	0.014448
## 2837	25	0.364077	4.454378	0.015457
## 2838	42	0.687097	5.895426	0.016291
## 2839	44	0.124689	1.975364	0.016818
## 2840	34	0.606671	3.095493	0.015469
## 2841	29	4.437618	17.120066	0.004435
## 2842	53	0.405581	2.778649	0.016693
## 2843	80	1.811390	10.575438	0.019244
## 2844	57	1.270843	4.967422	0.016435
## 2845	40	2.225400	13.189211	0.017877
## 2846	47	0.555376	2.471333	0.017718
## 2847	44	0.210000	2.339881	0.016793
## 2848	74	0.780332	3.174690	0.018019
## 2849	73	3.113039	15.143457	0.017245
## 2850	30	0.345905	11.425601	0.018259
## 2851	35	3.990404	23.958469	0.016026
## 2852	34	2.069301	29.480295	0.016787
## 2853	64	1.888546	15.685511	0.019093
## 2854	25	3.326616	19.105719	0.018152
## 2855	27	0.430169	2.858582	0.016340
## 2856	25	0.651463	9.068545	0.015555
## 2857	82	2.772847	11.879733	0.017531
## 2858	52	0.576517	6.988159	0.020754
## 2859	28	3.300065	8.931639	0.013192
## 2860	55	1.718517	11.700834	0.020027
## 2861	36	1.848850	5.740472	0.015731
## 2862	136	2.631579	8.395779	0.016615
## 2863	139	1.274372	6.501473	0.023913
## 2864	80	1.166916	9.413863	0.021476
## 2865	40	11.269996	6.516167	0.018563
## 2866	44	0.038081	0.140645	0.020095
## 2867	441	0.746247	5.018630	0.018006
## 2868	387	3.137483	8.510193	0.014351
## 2869	96	2.099300	6.839775	0.015690
## 2870	172	2.479674	6.833982	0.016933
## 2871	73	2.983148	9.401813	0.018100

## 2872	60	7.791725	17.334925	0.014053
## 2873	77	1.822444	4.821961	0.015382
## 2874	93	1.250346	3.869089	0.016998
## 2875	100	1.297774	5.885849	0.018070
## 2876	39	0.177165	1.783385	0.016677
## 2877	480	1.000497	4.861371	0.015994
## 2878	238	0.875801	5.523042	0.016833
## 2879	25	7.216832	31.850437	0.014644
## 2880	94	0.966973	9.113990	0.015836
## 2881	25	1.233458	19.639870	0.013369
## 2882	98	0.383950	4.287737	0.016788
## 2883	124	0.644983	6.610588	0.013588
## 2884	96	1.096569	10.023986	0.014215
## 2885	25	0.241704	3.818958	0.016799
## 2886	25	5.610655	28.676804	0.014368
## 2887	178	1.530660	7.967835	0.015550
## 2888	231	0.645902	3.520732	0.017565
## 2889	316	0.662898	3.037666	0.014835
## 2890	426	0.365963	2.252250	0.017350
## 2891	81	0.464913	5.809154	0.016938
## 2892	36	0.606021	6.804393	0.007639
## 2893	106	2.492218	10.494127	0.017188
## 2894	79	3.040866	11.144147	0.015948
## 2895	83	1.199399	8.551238	0.017069
## 2896	275	0.446038	2.949386	0.013397
## 2897	72	1.178850	4.880915	0.014152
## 2898	192	0.214588	1.989955	0.013625
## 2899	229	0.440101	3.204570	0.015120
## 2900	198	0.302494	3.882381	0.013697
## 2901	28	3.916491	21.452509	0.014336
## 2902	81	5.969422	15.474323	0.013873
## 2903	25	2.925634	28.341961	0.011176
## 2904	82	2.263178	13.278275	0.010101
## 2905	298	0.310097	2.335031	0.012445
## 2906	181	7.640611	23.513971	0.015456
## 2907	68	6.139669	17.206120	0.011325
## 2908	68	0.550279	4.192033	0.013978
## 2909	59	0.417569	4.532235	0.011537
## 2910	62	0.630726	2.517180	0.012606
## 2911	67	2.834617	8.501358	0.012054
## 2912	97	0.778429	3.000030	0.009872
## 2913	167	1.453448	5.707240	0.015273
## 2914	110	0.381739	3.814460	0.013486
## 2915	52	0.480430	3.602397	0.013621
## 2916	62	0.832147	3.445825	0.012342
## 2917	51	0.924914	3.388797	0.012795
## 2918	69	4.198797	14.381196	0.014850
## 2919	82	6.179917	19.966209	0.013257
## 2920	107	0.184069	2.807338	0.017445
## 2921	111	7.778885	24.340851	0.015139
## 2922	168	0.267778	2.163737	0.013916
## 2923	128	0.528323	2.728655	0.015776
## 2924	570	0.147149	1.596768	0.013406
## 2925	707	0.382688	2.005008	0.015310

## 2926	94	0.704277	9.599158	0.015099
## 2927	312	0.610455	2.980236	0.015360
## 2928	126	0.409659	3.179932	0.014751
## 2929	160	1.592757	5.418316	0.013270
## 2930	227	0.718548	3.435844	0.016765
## 2931	333	0.519242	4.670900	0.017540
## 2932	57	0.067053	0.911779	0.014247
## 2933	533	0.621985	2.926154	0.014819
## 2934	1014	0.498800	3.540646	0.015581
## 2935	94	0.576711	2.681138	0.014779
## 2936	95	0.366701	3.376012	0.017402
## 2937	53	2.185621	16.703415	0.014665
## 2938	113	0.509365	2.532244	0.012109
## 2939	216	0.912241	3.406285	0.017262
## 2940	372	0.262002	1.577145	0.014648
## 2941	76	0.625758	3.854825	0.016557
## 2942	99	0.246627	2.752735	0.016659
## 2943	97	0.526218	3.510201	0.003383
## 2944	102	0.180637	2.724336	0.012150
## 2945	97	0.159968	2.382705	0.014737
## 2946	101	0.523268	3.370600	0.015252
## 2947	99	0.184134	2.444366	0.013206
## 2948	97	0.493672	3.318195	0.015454
## 2949	38	0.544167	6.560241	0.018433
## 2950	178	1.096858	7.107747	0.015951
## 2951	50	0.522785	2.567795	0.007286
## 2952	281	0.856921	3.322391	0.015840
## 2953	28	0.167761	1.782577	0.011047
## 2954	298	0.308879	1.594824	0.015874
## 2955	1696	0.442389	2.259214	0.015570
## 2956	921	0.240876	1.454817	0.014864
## 2957	404	0.522007	2.788979	0.013378
## 2958	37	0.857788	5.579842	0.014023
## 2959	436	0.485813	2.701852	0.013396
## 2960	1015	0.450261	2.106188	0.013454
## 2961	457	1.446288	6.694407	0.011936
## 2962	58	0.742769	6.548814	0.010792
## 2963	39	0.358888	2.207158	0.011593
## 2964	25	1.009421	16.038725	0.004421
## 2965	75	1.709500	11.703794	0.009568
## 2966	63	0.895757	7.020993	0.011820
## 2967	666	0.577060	1.980737	0.012606
## 2968	455	0.691114	2.723518	0.012021
## 2969	132	3.353889	8.406621	0.012789
## 2970	101	4.001309	12.165830	0.011549
## 2971	66	1.638795	5.247995	0.013702
## 2972	105	0.592286	2.853703	0.012323
## 2973	84	0.147248	2.324438	0.010484
## 2974	91	1.530900	4.489781	0.012006
## 2975	94	1.229181	5.197201	0.010804
## 2976	134	1.878849	6.477727	0.012699
## 2977	88	0.717501	3.742049	0.011797
## 2978	96	1.636528	6.465801	0.009665
## 2979	70	2.150061	6.928920	0.012321

## 2980	100	2.386354	5.113161	0.010308
## 2981	66	1.321211	4.864033	0.012877
## 2982	481	0.352083	2.125872	0.012385
## 2983	451	0.466390	2.453898	0.016061
## 2984	273	1.522225	4.014472	0.011247
## 2985	142	0.804899	3.414875	0.012250
## 2986	148	1.753391	5.889553	0.013050
## 2987	257	2.507054	7.008818	0.012122
## 2988	319	4.244528	13.539192	0.011330
## 2989	33	3.850212	14.183809	0.012462
## 2990	1103	0.728359	3.683015	0.012861
## 2991	38	0.545162	4.913929	0.003380
## 2992	720	0.652189	2.581269	0.011137
## 2993	543	0.288016	2.071069	0.013354
## 2994	212	0.462312	2.407722	0.015555
## 2995	163	0.443563	4.901902	0.017563
## 2996	31	3.327828	11.416848	0.016146
## 2997	25	4.803197	25.831945	0.009257
## 2998	37	0.610045	10.208514	0.028229
## 2999	51	3.491004	9.839608	0.016155
## 3000	74	3.877241	12.506998	0.023705
## 3001	32	0.794357	10.858949	0.020324
## 3002	41	3.821726	11.593891	0.020069
## 3003	45	1.757672	8.623581	0.018729
## 3004	80	1.644273	7.500747	0.018369
## 3005	52	5.534792	15.511026	0.018913
## 3006	61	2.973158	12.602520	0.017821
## 3007	32	4.853692	23.563053	0.015707
## 3008	25	0.421556	3.604949	0.021290
## 3009	102	2.010945	11.026549	0.016855
## 3010	86	3.614870	13.203323	0.016944
## 3011	55	0.242321	1.752427	0.018574
## 3012	29	3.708252	13.869796	0.020448
## 3013	25	6.776770	28.189381	0.011335
## 3014	47	1.327076	7.038470	0.020172
## 3015	74	0.240839	1.579971	0.019939
## 3016	55	2.168438	6.247010	0.019696
## 3017	28	3.049304	7.285762	0.017221
## 3018	25	1.424680	4.775568	0.016261
## 3019	121	1.988741	7.859929	0.018944
## 3020	60	0.497616	2.062745	0.018873
## 3021	33	0.001116	0.161443	0.016895
## 3022	25	0.803715	3.777256	0.018193
## 3023	25	0.416746	3.570759	0.014835
## 3024	25	9.295871	14.385000	0.015298
## 3025	93	0.360050	3.072024	0.017861
## 3026	69	2.645960	9.805033	0.021545
## 3027	48	2.392480	13.861129	0.016317
## 3028	76	0.092323	1.833990	0.016635
## 3029	43	1.969371	17.545477	0.015718
## 3030	80	0.777539	5.596901	0.016997
## 3031	54	0.737921	3.092169	0.018022
## 3032	32	1.461518	8.035702	0.016642
## 3033	189	2.729858	10.897526	0.018028

## 3034	96	0.829060	3.329965	0.018095
## 3035	43	1.917439	4.541814	0.018602
## 3036	63	2.302653	18.343224	0.014503
## 3037	70	0.656037	4.595479	0.016278
## 3038	30	1.317027	8.987445	0.015305
## 3039	33	0.666548	3.330446	0.017372
## 3040	28	1.092884	5.872523	0.016044
## 3041	25	2.871356	12.425133	0.012769
## 3042	38	1.068451	3.862844	0.017562
## 3043	26	2.402105	13.364382	0.018538
## 3044	25	1.311811	14.629468	0.018267
## 3045	44	1.018414	11.001436	0.010916
## 3046	33	0.656199	3.492916	0.020669
## 3047	90	0.147534	1.552362	0.017928
## 3048	56	0.742301	4.134388	0.016171
## 3049	76	4.165864	17.952442	0.018953
## 3050	33	1.056276	10.881123	0.023433
## 3051	98	0.757707	6.922996	0.022094
## 3052	45	1.329166	4.846085	0.015271
## 3053	53	0.230465	2.592101	0.021808
## 3054	86	2.135114	9.680047	0.018933
## 3055	41	2.823669	14.484231	0.019373
## 3056	93	0.765655	5.439959	0.022788
## 3057	28	7.164692	30.170282	0.026087
## 3058	44	0.665193	5.558484	0.022803
## 3059	62	0.835877	4.955794	0.017911
## 3060	51	1.626961	6.869967	0.019437
## 3061	44	4.025009	10.152329	0.019162
## 3062	69	4.797198	17.872721	0.019388
## 3063	49	0.999144	4.595868	0.021435
## 3064	26	4.709798	22.110720	0.017268
## 3065	32	9.508381	23.017599	0.015433
## 3066	57	7.406808	19.634520	0.020269
## 3067	50	3.844956	9.660499	0.019385
## 3068	56	6.718110	23.728098	0.020618
## 3069	41	3.375310	11.762359	0.022442
## 3070	99	6.994698	10.126502	0.023052
## 3071	216	0.269018	2.782789	0.020954
## 3072	260	0.235358	1.904133	0.018826
## 3073	96	0.394362	2.180841	0.018636
## 3074	63	0.401072	1.960908	0.019336
## 3075	101	0.136781	1.981815	0.019590
## 3076	113	2.874772	9.948844	0.019768
## 3077	130	1.788658	9.101088	0.017142
## 3078	80	0.771875	2.831545	0.016966
## 3079	48	0.065545	0.916756	0.017975
## 3080	132	0.433275	2.401473	0.016062
## 3081	37	0.053136	0.893084	0.019470
## 3082	242	0.536531	2.729407	0.017325
## 3083	419	1.340744	6.480295	0.016083
## 3084	58	0.622722	6.157960	0.015403
## 3085	39	0.230361	1.696561	0.015286
## 3086	25	1.113921	14.962847	0.015054
## 3087	75	1.652499	10.062650	0.007048

## 3088	134	0.694076	6.713214	0.013106
## 3089	211	0.310168	2.515358	0.018573
## 3090	237	0.693265	4.422562	0.015836
## 3091	297	0.581751	4.091475	0.014720
## 3092	488	0.082850	2.025348	0.014823
## 3093	603	0.295340	1.981042	0.017524
## 3094	301	0.492065	4.617105	0.015212
## 3095	89	0.534553	5.438360	0.017403
## 3096	275	0.540260	4.744916	0.015592
## 3097	25	1.931453	18.281321	0.007480
## 3098	201	0.327720	3.693444	0.017481
## 3099	101	1.173593	8.870890	0.017868
## 3100	65	0.504290	2.173564	0.013507
## 3101	76	0.305306	2.514038	0.014088
## 3102	128	0.372529	3.866834	0.014987
## 3103	70	0.247954	3.264875	0.015269
## 3104	125	0.562761	2.873040	0.014864
## 3105	53	1.340942	4.608968	0.017879
## 3106	78	1.037705	5.748278	0.014755
## 3107	94	0.629365	3.930218	0.009052
## 3108	25	0.587644	4.525610	0.015840
## 3109	1238	0.482946	3.102837	0.015321
## 3110	146	0.383121	2.450138	0.015306
## 3111	147	0.663499	3.358630	0.012542
## 3112	151	0.371436	2.857670	0.016817
## 3113	55	0.714376	3.811542	0.017059
## 3114	163	0.821197	4.635705	0.013846
## 3115	297	0.203133	2.279987	0.017843
## 3116	813	0.078614	1.985215	0.018225
## 3117	65	0.424831	4.612254	0.018934
## 3118	324	0.306689	2.222624	0.018049
## 3119	82	0.498700	2.831774	0.007932
## 3120	84	0.131199	0.728355	0.018466
## 3121	25	1.912600	20.760933	0.009438
## 3122	62	1.876174	14.830741	0.016265
## 3123	58	2.031901	9.935616	0.016499
## 3124	42	2.622567	15.314107	0.021308
## 3125	56	2.662436	15.205996	0.007419
## 3126	49	7.449450	20.878511	0.021340
## 3127	29	0.619124	5.975591	0.017322
## 3128	31	0.234834	3.598318	0.021366
## 3129	28	0.401989	4.293175	0.018958
## 3130	73	0.252628	2.467062	0.018731
## 3131	33	1.944425	10.609102	0.017523
## 3132	25	2.491172	9.142130	0.015522
## 3133	25	2.679936	13.413557	0.016155
## 3134	45	1.686765	5.730419	0.017434
## 3135	79	1.269371	6.393048	0.012457
## 3136	25	3.220765	9.773934	0.013482
## 3137	40	1.439796	9.186682	0.012869
## 3138	25	4.485693	18.801739	0.016523
## 3139	59	2.519984	12.343838	0.013856
## 3140	32	2.256528	9.526155	0.012384
## 3141	37	8.129237	21.670620	0.016188

## 3142	105	1.371210	8.490167	0.023557
## 3143	122	1.332940	7.903328	0.022102
## 3144	83	0.126092	1.147043	0.021226
## 3145	217	0.556560	3.455485	0.021350
## 3146	133	6.042459	19.524214	0.019576
## 3147	45	0.814569	4.631743	0.014542
## 3148	66	1.586462	6.705719	0.016754
## 3149	68	3.045914	8.006950	0.019838
## 3150	72	2.128795	8.999307	0.018899
## 3151	111	0.354298	2.409325	0.019940
## 3152	94	4.909580	10.771733	0.022244
## 3153	80	2.971874	11.326299	0.019221
## 3154	42	0.456354	3.391028	0.017633
## 3155	107	5.574385	18.733965	0.018634
## 3156	177	1.118532	4.689846	0.020751
## 3157	25	0.868592	12.699611	0.015178
## 3158	264	0.735743	4.198932	0.021256
## 3159	242	0.185929	1.591317	0.018522
## 3160	248	0.512483	3.311429	0.018436
## 3161	360	0.298964	1.648702	0.017884
## 3162	25	4.145172	40.610886	0.016111
## 3163	40	2.788085	12.904201	0.016000
## 3164	25	5.801217	18.685219	0.015138
## 3165	41	5.013169	17.448278	0.016502
## 3166	25	1.264111	5.087118	0.012405
## 3167	44	3.293550	8.699457	0.002267
## 3168	51	0.568782	7.721144	0.019651
## 3169	58	2.463945	10.871548	0.015606
## 3170	88	0.762591	4.717806	0.018618
## 3171	54	0.393065	2.552376	0.010896
## 3172	64	2.765411	11.311018	0.015263
## 3173	62	1.981756	2.919943	0.018078
## 3174	58	1.728292	8.159966	0.016119
## 3175	33	2.051185	6.112760	0.017235
## 3176	63	0.287728	1.848108	0.017257
## 3177	90	0.890559	3.704016	0.019060
## 3178	71	2.417763	16.936375	0.018812
## 3179	99	2.386013	13.630151	0.019703
## 3180	33	3.969040	23.151785	0.017388
## 3181	34	2.170580	29.735466	0.017999
## 3182	64	1.848363	15.855512	0.018395
## 3183	25	3.384849	19.437008	0.017786
## 3184	28	0.455633	2.887901	0.020138
## 3185	25	0.712326	10.058131	0.022174
## 3186	81	2.778579	11.489285	0.013990
## 3187	52	0.683662	6.967926	0.019226
## 3188	28	3.136354	8.109303	0.022929
## 3189	55	1.845274	11.656526	0.021411
## 3190	36	1.858415	5.856614	0.020340
## 3191	136	2.622656	8.382940	0.021195
## 3192	139	1.301517	6.509773	0.015904
## 3193	61	1.257808	12.872516	0.012238
## 3194	59	6.957962	5.522624	0.022107
## 3195	52	0.044659	0.417016	0.020280

## 3196	209	0.660665	2.694685	0.014063
## 3197	175	0.287724	2.914449	0.015919
## 3198	169	0.524572	4.321413	0.017266
## 3199	521	0.091380	1.279087	0.014493
## 3200	108	0.274904	2.760355	0.009533
## 3201	72	1.196131	9.449554	0.016528
## 3202	186	0.511054	2.831543	0.012290
## 3203	116	0.306948	2.301569	0.011094
## 3204	110	0.212568	2.054670	0.008270
## 3205	92	0.751571	4.309799	0.018824
## 3206	396	0.535908	2.926751	0.013918
## 3207	55	0.074226	1.247184	0.011432
## 3208	25	11.276607	25.344994	0.013763
## 3209	101	2.670122	12.915587	0.014823
## 3210	194	0.759807	4.683590	0.013065
## 3211	133	1.775606	5.983274	0.013556
## 3212	167	0.674878	3.338611	0.020148
## 3213	169	1.049337	3.858750	0.017368
## 3214	27	1.030406	9.270085	0.016102
## 3215	42	0.412290	3.228844	0.017655
## 3216	110	0.436730	5.471561	0.015627
## 3217	95	0.885041	9.926046	0.017782
## 3218	25	0.418005	8.478743	0.017339
## 3219	25	5.158393	23.260082	0.012550
## 3220	118	0.986787	6.197752	0.019115
## 3221	105	0.055233	3.365908	0.014592
## 3222	210	0.372269	3.510851	0.018844
## 3223	229	0.720046	3.572453	0.020137
## 3224	163	0.056688	2.753280	0.015609
## 3225	175	0.576029	4.184988	0.019469
## 3226	734	1.074072	3.840762	0.017035
## 3227	315	0.423477	2.341576	0.017333
## 3228	644	0.993581	3.708494	0.018143
## 3229	182	0.512737	3.115259	0.019045
## 3230	1057	0.937256	3.489519	0.017312
## 3231	233	0.610412	3.374170	0.016862
## 3232	1003	0.869304	3.164252	0.017328
## 3233	63	0.546718	3.130452	0.016450
## 3234	190	0.562748	3.440356	0.018316
## 3235	210	0.330406	2.398918	0.018762
## 3236	359	0.644657	2.889019	0.011966
## 3237	445	0.019866	2.089968	0.010307
## 3238	723	0.587420	2.895965	0.012148
## 3239	291	0.017698	2.217218	0.012113
## 3240	369	1.957879	8.555912	0.010732
## 3241	48	0.778885	6.009996	0.010018
## 3242	247	0.470431	2.499675	0.011114
## 3243	156	1.379754	5.240268	0.010961
## 3244	40	0.367466	4.095765	0.007419
## 3245	71	0.291264	1.773149	0.012688
## 3246	179	0.452060	2.676438	0.012390
## 3247	641	0.470747	3.413347	0.014162
## 3248	107	1.005413	4.010334	0.018898
## 3249	234	0.124383	1.986188	0.016046

## 3250	71	0.254643	2.581695	0.016975
## 3251	159	1.302762	4.973911	0.016090
## 3252	398	1.371579	4.475465	0.019409
## 3253	158	0.034344	2.983468	0.017420
## 3254	132	1.411108	5.580255	0.015528
## 3255	275	0.992967	4.165957	0.017903
## 3256	220	1.321340	4.421187	0.015931
## 3257	70	0.318163	2.879819	0.016202
## 3258	279	0.028295	2.726736	0.018252
## 3259	119	0.332417	3.989081	0.016862
## 3260	118	1.361544	4.615231	0.017905
## 3261	246	0.759761	3.554739	0.018775
## 3262	243	1.329335	4.741089	0.016348
## 3263	298	1.467910	5.915454	0.018838
## 3264	367	1.341919	4.778658	0.017555
## 3265	197	0.547547	3.382835	0.017574
## 3266	75	2.186237	7.102763	0.019127
## 3267	183	0.834454	3.812976	0.017111
## 3268	142	0.277259	2.440866	0.017374
## 3269	53	0.532796	2.957940	0.020033
## 3270	130	0.510789	4.594419	0.018476
## 3271	270	1.532822	6.902318	0.012277
## 3272	108	0.418828	3.944373	0.005940
## 3273	164	1.399409	6.683818	0.012006
## 3274	479	1.185247	4.391178	0.016886
## 3275	332	1.450483	5.512072	0.016625
## 3276	107	1.281528	4.849647	0.021645
## 3277	151	0.074481	1.683386	0.016987
## 3278	724	0.938198	3.802652	0.018301
## 3279	164	0.283597	2.526725	0.015983
## 3280	159	1.181647	4.242768	0.019213
## 3281	251	0.642582	2.916561	0.017392
## 3282	393	0.543729	2.748603	0.017515
## 3283	95	0.082676	1.824308	0.012001
## 3284	130	1.017125	3.945997	0.014591
## 3285	86	0.219110	2.293373	0.011729
## 3286	249	0.017954	2.466471	0.015859
## 3287	199	1.323145	5.560131	0.017051
## 3288	119	0.104257	1.885296	0.016389
## 3289	92	0.370726	2.541026	0.017267
## 3290	68	0.740528	6.724132	0.017346
## 3291	444	0.505880	2.189626	0.017720
## 3292	64	0.303266	1.952393	0.015648
## 3293	204	0.634956	2.345407	0.013425
## 3294	37	0.342861	2.055443	0.006998
## 3295	49	0.193352	1.509060	0.018053
## 3296	90	0.807771	2.619372	0.013118
## 3297	39	0.687769	3.344387	0.014393
## 3298	178	1.410526	6.752681	0.014670
## 3299	139	1.564038	5.350042	0.015405
## 3300	243	0.817323	4.525371	0.018917
## 3301	274	0.043241	1.703008	0.018841
## 3302	182	0.747538	3.997406	0.018656
## 3303	170	0.494088	2.711898	0.019999

## 3304	100	0.668797	4.350512	0.016084
## 3305	91	1.745422	6.317438	0.016246
## 3306	259	0.579625	3.690766	0.018976
## 3307	72	1.293597	4.514068	0.014450
## 3308	184	0.698911	3.751496	0.016735
## 3309	67	2.710091	11.792388	0.018227
## 3310	39	3.056624	14.013110	0.018561
## 3311	45	0.483262	7.131263	0.019047
## 3312	46	2.875167	9.616127	0.016884
## 3313	25	1.599002	29.907143	0.013983
## 3314	36	1.399359	6.109986	0.014411
## 3315	25	1.345403	28.606968	0.010783
## 3316	25	1.267493	5.152341	0.008176
## 3317	89	0.236763	3.826919	0.021702
## 3318	55	4.260349	10.295518	0.019618
## 3319	52	0.187019	1.632994	0.010040
## 3320	30	0.097304	1.437921	0.021897
## 3321	25	0.906334	7.132773	0.017142
## 3322	27	1.771622	4.809320	0.012355
## 3323	42	1.123088	3.694803	0.016632
## 3324	36	1.644842	5.792707	0.020840
## 3325	40	1.937598	11.089561	0.014706
## 3326	36	4.618629	13.454423	0.017730
## 3327	58	2.093893	6.195020	0.011782
## 3328	86	2.552658	5.804512	0.017134
## 3329	51	2.567746	7.089159	0.015854
## 3330	108	2.017740	5.287663	0.016210
## 3331	25	3.089682	9.166798	0.011021
## 3332	152	2.110605	5.261208	0.014694
## 3333	41	2.649933	6.729309	0.011345
## 3334	37	3.887076	7.160609	0.011439
## 3335	44	3.111725	7.023263	0.013094
## 3336	46	1.156139	3.659811	0.012652
## 3337	84	1.856753	5.296753	0.010758
## 3338	49	2.275628	5.378069	0.017595
## 3339	93	2.028451	5.491481	0.013519
## 3340	25	7.026177	36.848705	0.012897
## 3341	25	0.594254	4.478267	0.011449
## 3342	337	0.944179	3.739362	0.015347
## 3343	86	1.504683	6.270046	0.021998
## 3344	233	0.625457	2.752020	0.020814
## 3345	46	0.073822	0.925973	0.021619
## 3346	34	5.418204	37.002647	0.020168
## 3347	25	2.080702	11.295223	0.015990
## 3348	39	5.105774	18.625065	0.021236
## 3349	25	5.441274	12.539543	0.018933
## 3350	25	1.518590	6.236575	0.014105
## 3351	43	3.246726	8.696726	0.019801
## 3352	51	0.553533	7.690495	0.016866
## 3353	25	2.143995	23.068846	0.013672
## 3354	25	2.753761	22.172644	0.021467
## 3355	26	2.919138	15.010605	0.016224
## 3356	90	0.641284	3.524456	0.018664
## 3357	42	5.055924	13.082125	0.015672

## 3358	89	0.861098	4.000932	0.016440
## 3359	84	3.347518	9.080974	0.017073
## 3360	82	2.333977	16.339319	0.018581
## 3361	30	1.467669	13.055065	0.010529
## 3362	56	4.678895	17.996172	0.015028
## 3363	168	3.150470	12.040702	0.015985
## 3364	25	2.275190	25.057751	0.010557
## 3365	44	1.991268	10.102437	0.016800
## 3366	76	0.110566	1.823251	0.020799
## 3367	44	1.956365	17.567867	0.014544
## 3368	79	0.731227	5.016255	0.017225
## 3369	55	0.744917	3.279654	0.013852
## 3370	31	1.362267	7.134268	0.018160
## 3371	190	2.708910	10.990651	0.019057
## 3372	95	0.828316	3.150457	0.017582
## 3373	44	1.946526	4.990764	0.017920
## 3374	62	2.283741	18.168125	0.015397
## 3375	71	0.673862	4.799168	0.016889
## 3376	30	1.407781	8.476507	0.017642
## 3377	33	0.710426	3.544191	0.015913
## 3378	28	1.061576	4.969586	0.015944
## 3379	25	2.935751	12.384008	0.011509
## 3380	37	1.044429	3.796543	0.020432
## 3381	26	2.351803	13.572245	0.014071
## 3382	25	1.288205	13.391250	0.022516
## 3383	44	1.032815	10.973113	0.015060
## 3384	33	0.667864	3.580254	0.016694
## 3385	91	0.165821	1.757029	0.016116
## 3386	56	0.719775	3.791079	0.016484
## 3387	98	4.298096	11.745313	0.018698
## 3388	95	0.047413	1.096961	0.016758
## 3389	29	0.017227	1.303998	0.012938
## 3390	105	0.983066	3.219518	0.018488
## 3391	114	0.317272	1.960692	0.020410
## 3392	58	0.063684	1.896510	0.029071
## 3393	97	2.655799	6.745328	0.024987
## 3394	25	0.192691	3.006415	0.016525
## 3395	87	0.193121	1.655467	0.015888
## 3396	25	0.266911	4.559599	0.017359
## 3397	73	0.083010	1.701674	0.019173
## 3398	25	3.893932	18.045254	0.022737
## 3399	25	7.481937	16.807619	0.016480
## 3400	338	0.550690	3.975853	0.018101
## 3401	101	0.073626	1.431950	0.010368
## 3402	116	0.393171	2.301083	0.014025
## 3403	253	0.273555	1.794755	0.016379
## 3404	323	2.246015	7.809729	0.016133
## 3405	212	2.560531	8.294534	0.017508
## 3406	249	0.237964	1.749404	0.017554
## 3407	25	1.855208	14.528447	0.012267
## 3408	233	4.286139	12.969953	0.017801
## 3409	300	2.961891	9.521363	0.016804
## 3410	1513	0.288024	1.750026	0.018357
## 3411	737	0.345149	2.654552	0.018209

## 3412	299	0.462686	3.123168	0.019042
## 3413	193	0.668367	3.641768	0.014425
## 3414	126	0.133746	1.934126	0.015620
## 3415	124	0.162979	1.931595	0.013236
## 3416	215	0.091539	1.886655	0.016636
## 3417	676	0.841053	3.528533	0.016573
## 3418	251	0.909835	3.626896	0.018364
## 3419	342	0.254044	2.258231	0.016957
## 3420	244	0.792139	4.000190	0.018230
## 3421	172	0.388349	2.205560	0.013030
## 3422	189	0.526475	3.296693	0.015720
## 3423	239	0.106990	1.811923	0.014491
## 3424	93	0.298472	2.844212	0.014287
## 3425	177	1.546263	5.137829	0.014743
## 3426	215	1.263456	4.569351	0.018556
## 3427	204	0.468580	3.160753	0.018650
## 3428	304	1.339526	4.863819	0.017742
## 3429	276	0.097786	1.583992	0.017495
## 3430	142	0.806821	4.772075	0.016637
## 3431	174	0.026268	2.754450	0.014499
## 3432	318	0.569779	3.134994	0.017157
## 3433	174	0.447050	2.802611	0.016991
## 3434	295	1.354180	6.932586	0.013457
## 3435	105	0.066296	1.932574	0.012755
## 3436	273	0.790827	3.857593	0.015917
## 3437	62	0.115569	2.312144	0.008678
## 3438	407	0.963248	3.768660	0.017101
## 3439	183	0.347140	3.021825	0.016297
## 3440	267	0.530827	2.617623	0.017691
## 3441	139	0.789277	3.807394	0.016556
## 3442	62	0.962898	4.610713	0.013878
## 3443	79	0.109791	1.975584	0.019659
## 3444	302	1.122706	4.243462	0.017043
## 3445	88	0.716054	3.218559	0.017542
## 3446	38	0.326253	3.789163	0.018804
## 3447	275	0.501898	3.330466	0.016362
## 3448	38	3.006212	13.541888	0.015349
## 3449	39	0.649432	8.229363	0.014304
## 3450	69	1.499790	3.109696	0.004958
## 3451	25	2.174811	16.337191	0.019952
## 3452	44	4.068791	23.317493	0.010793
## 3453	32	6.759945	11.839437	0.022007
## 3454	39	6.084023	16.049717	0.015092
## 3455	27	2.383060	8.441699	0.016823
## 3456	31	0.874291	2.342483	0.014171
## 3457	31	0.443870	2.163229	0.014742
## 3458	28	2.136807	14.362389	0.011103
## 3459	25	3.445367	19.679193	0.017785
## 3460	43	1.003109	7.427112	0.010363
## 3461	25	0.735291	4.267700	0.021709
## 3462	25	1.896412	17.572603	0.022597
## 3463	32	0.902159	2.748754	0.005055
## 3464	35	1.089686	3.135699	0.032344
## 3465	41	1.382674	3.811500	0.023619

## 3466	55	4.950047	12.477357	0.017993
## 3467	50	6.514954	9.180519	0.019419
## 3468	73	0.504762	1.994048	0.016442
## 3469	80	0.967593	4.598382	0.018921
## 3470	45	1.935397	4.739077	0.016062
## 3471	56	0.494064	1.848870	0.016497
## 3472	52	0.696253	6.284739	0.017424
## 3473	37	0.896625	2.352395	0.016723
## 3474	57	0.482175	2.072927	0.016340
## 3475	83	0.753546	2.699119	0.017549
## 3476	25	0.788084	7.264433	0.015480
## 3477	25	1.357220	4.199872	0.025703
## 3478	44	0.676264	2.855675	0.003896
## 3479	45	0.444101	2.891515	0.015492
## 3480	37	1.042961	3.782250	0.016938
## 3481	37	0.571097	3.190847	0.023445
## 3482	25	0.541303	3.196523	0.019489
## 3483	32	0.751610	2.420913	0.019732
## 3484	54	2.535680	12.926121	0.021096
## 3485	28	3.744272	12.469826	0.017534
## 3486	25	6.778035	28.684149	0.014738
## 3487	46	1.044152	5.187961	0.017239
## 3488	75	0.250473	1.708407	0.017795
## 3489	55	2.148942	6.279974	0.019315
## 3490	27	3.118815	6.733490	0.016208
## 3491	25	1.410710	4.841245	0.015560
## 3492	121	2.019089	7.872546	0.020230
## 3493	60	0.485026	2.055339	0.024113
## 3494	34	0.014033	0.239352	0.017566
## 3495	25	0.843067	3.715589	0.004001
## 3496	25	0.462141	4.371028	0.020708
## 3497	25	9.087308	15.958587	0.016696
## 3498	92	0.355666	2.820747	0.018512
## 3499	69	2.598294	9.849551	0.020662
## 3500	60	1.096424	10.593164	0.017191
## 3501	63	7.474956	6.607161	0.018602
## 3502	67	0.172462	4.343022	0.018851
## 3503	73	6.559165	13.181567	0.019579
## 3504	29	0.632229	2.710258	0.015618
## 3505	46	0.455496	2.293439	0.017065
## 3506	50	0.135941	2.240189	0.017919
## 3507	78	0.576797	3.010977	0.020124
## 3508	166	4.882240	11.567222	0.017418
## 3509	59	11.412512	22.193449	0.017915
## 3510	97	4.092135	10.882418	0.019516
## 3511	71	2.713070	11.323462	0.017905
## 3512	272	3.037567	11.349949	0.019400
## 3513	61	0.510950	2.726524	0.018932
## 3514	96	2.167530	7.083337	0.016115
## 3515	110	6.518858	14.824852	0.021653
## 3516	206	3.947111	11.094948	0.018914
## 3517	25	5.344247	39.635296	0.020431
## 3518	38	2.780827	11.704338	0.012792
## 3519	25	5.839769	19.551638	0.015777

## 3520	41	5.030764	17.154350	0.016876
## 3521	25	1.252484	5.049227	0.019866
## 3522	44	3.267231	8.712859	0.015606
## 3523	51	0.513661	7.550933	0.014460
## 3524	53	3.585495	10.935545	0.015828
## 3525	74	3.848904	12.454497	0.017535
## 3526	32	0.777003	10.847863	0.015224
## 3527	40	3.849353	11.096065	0.016021
## 3528	46	1.807456	8.788393	0.013989
## 3529	80	1.637828	7.426117	0.015402
## 3530	52	5.539734	15.464174	0.018750
## 3531	61	2.965806	12.504695	0.017943
## 3532	36	4.689161	22.250044	0.016179
## 3533	29	0.881112	4.462173	0.025166
## 3534	94	1.768671	8.854266	0.019295
## 3535	86	3.838377	13.132995	0.019507
## 3536	55	0.229995	1.699616	0.019202
## 3537	57	2.106617	9.466835	0.019168
## 3538	88	0.779851	4.759175	0.018075
## 3539	54	0.390507	2.433042	0.018854
## 3540	64	2.642337	10.960620	0.016979
## 3541	62	1.983455	2.871123	0.018238
## 3542	58	1.709462	8.012026	0.016465
## 3543	33	2.008808	6.112572	0.019678
## 3544	62	0.282828	1.531899	0.016497
## 3545	90	0.866955	3.669333	0.017558
## 3546	72	2.494349	17.392380	0.015836
## 3547	99	2.393107	13.704816	0.018550
## 3548	58	0.834770	11.634951	0.017786
## 3549	61	8.120356	7.249001	0.017636
## 3550	85	0.026620	0.282725	0.018539
## 3551	47	6.585957	18.148687	0.018578
## 3552	290	0.657299	4.578025	0.020133
## 3553	116	0.183092	2.002482	0.019763
## 3554	162	0.040758	1.640351	0.008833
## 3555	63	0.243327	1.716462	0.017158
## 3556	114	0.141753	2.968684	0.017192
## 3557	141	0.160443	2.734757	0.017143
## 3558	95	0.212639	2.309221	0.014368
## 3559	82	0.022658	1.607387	0.016884
## 3560	491	0.609371	3.113505	0.015754
## 3561	94	0.062310	1.813958	0.017040
## 3562	63	0.288022	2.898672	0.017249
## 3563	49	0.045748	1.766009	0.016733
## 3564	302	0.546134	2.886246	0.017809
## 3565	137	0.096297	2.002294	0.016733
## 3566	99	0.608054	3.440248	0.017471
## 3567	166	0.136736	2.049092	0.018767
## 3568	175	0.352648	3.155539	0.016722
## 3569	131	0.053818	1.969126	0.013942
## 3570	299	0.853554	3.868020	0.016381
## 3571	105	0.024914	1.550344	0.016993
## 3572	78	0.688809	3.459887	0.015297
## 3573	99	0.281331	2.392575	0.017893

## 3574	220	0.088385	1.922327	0.017608
## 3575	78	0.153776	3.360660	0.016898
## 3576	103	0.882654	3.923512	0.016558
## 3577	180	0.047972	1.794452	0.015641
## 3578	43	0.330718	2.298310	0.015263
## 3579	114	0.138414	2.102369	0.017584
## 3580	414	0.798271	3.665846	0.017900
## 3581	156	0.040512	1.818370	0.019695
## 3582	297	0.710094	3.415708	0.016486
## 3583	155	0.221207	1.947579	0.016519
## 3584	36	0.099200	2.465014	0.015116
## 3585	112	1.034823	4.032493	0.018383
## 3586	172	0.037124	2.000677	0.016283
## 3587	97	0.062398	2.679521	0.017824
## 3588	25	0.141710	1.984915	0.011729
## 3589	79	0.035537	1.555168	0.017496
## 3590	321	0.564998	3.268978	0.017176
## 3591	389	0.044152	1.826006	0.017405
## 3592	456	0.628865	3.175311	0.018829
## 3593	277	0.015875	2.361571	0.016606
## 3594	127	1.045644	5.698804	0.016160
## 3595	152	0.057254	1.824276	0.017060
## 3596	216	0.675077	3.286585	0.016563
## 3597	58	0.076634	2.446798	0.021511
## 3598	122	0.272779	2.705571	0.015331
## 3599	112	0.017850	1.665419	0.018841
## 3600	328	0.537633	2.960358	0.017163
## 3601	62	0.092424	2.330760	0.017929
## 3602	150	0.546157	3.717111	0.015060
## 3603	108	0.096358	1.929744	0.014979
## 3604	304	0.789782	4.069804	0.016587
## 3605	39	2.995854	13.645554	0.019847
## 3606	32	0.635575	9.784559	0.020715
## 3607	32	1.735766	8.463640	0.011687
## 3608	25	2.463673	9.100533	0.018677
## 3609	25	2.590508	13.462711	0.017146
## 3610	44	1.694527	5.782629	0.012221
## 3611	80	1.340456	6.729252	0.018460
## 3612	25	3.226773	10.200402	0.011189
## 3613	40	1.392810	8.733128	0.015477
## 3614	45	4.048199	16.655642	0.009603
## 3615	39	1.528177	6.348571	0.014185
## 3616	32	2.266177	9.428123	0.018731
## 3617	37	8.274253	21.263348	0.010803
## 3618	105	1.345265	8.658658	0.015112
## 3619	122	1.429085	7.422026	0.016920
## 3620	83	0.083032	0.834575	0.017839
## 3621	25	4.206753	27.987041	0.011958
## 3622	45	5.059213	16.741779	0.015065
## 3623	39	0.883160	5.421824	0.016722
## 3624	45	7.918705	24.408794	0.014478
## 3625	87	1.649396	8.131105	0.024047
## 3626	37	4.426767	26.339523	0.018124
## 3627	34	2.332819	29.974300	0.018807

## 3628	65	1.969949	15.881973	0.023273
## 3629	25	3.324132	18.289793	0.016322
## 3630	27	0.399356	2.670447	0.016148
## 3631	25	0.675570	9.698282	0.020968
## 3632	81	2.647732	11.534554	0.018998
## 3633	52	0.654884	7.320031	0.021663
## 3634	29	3.264999	9.827715	0.017609
## 3635	54	1.780729	11.447595	0.011630
## 3636	37	1.868316	6.138787	0.022125
## 3637	136	2.665550	8.269529	0.018906
## 3638	139	1.307881	6.463741	0.017625
## 3639	25	2.129952	22.788794	0.017087
## 3640	25	2.766558	22.033031	0.017046
## 3641	26	2.920541	14.974767	0.023217
## 3642	90	0.659809	3.508626	0.022063
## 3643	42	5.054863	13.001426	0.019995
## 3644	89	0.931100	4.080180	0.020451
## 3645	84	3.339019	9.097667	0.014852
## 3646	82	2.326109	16.307949	0.017436
## 3647	30	1.437082	13.067102	0.013913
## 3648	56	4.857488	17.951433	0.018271
## 3649	168	3.190199	12.036961	0.018623
## 3650	25	1.544136	21.914244	0.017931
## 3651	66	4.365355	15.431427	0.012634
## 3652	33	1.021262	11.093424	0.015678
## 3653	98	0.734608	6.774916	0.015864
## 3654	45	1.279164	4.366604	0.015478
## 3655	52	0.223051	2.212821	0.013016
## 3656	87	2.106221	9.960870	0.021956
## 3657	41	2.822166	14.483638	0.014318
## 3658	93	0.762044	5.360973	0.016646
## 3659	28	7.008825	29.661423	0.013819
## 3660	45	0.650918	5.914357	0.014391
## 3661	61	0.795031	4.783895	0.017572
## 3662	51	1.590442	6.818153	0.024047
## 3663	44	3.992293	10.108303	0.026160
## 3664	69	4.709024	17.442675	0.017574
## 3665	49	0.956222	4.416786	0.019575
## 3666	25	4.458724	21.171762	0.020611
## 3667	33	9.476895	23.337833	0.015005
## 3668	57	7.385250	19.635225	0.019589
## 3669	49	3.835024	8.938533	0.019862
## 3670	56	6.740136	23.681370	0.022391
## 3671	41	3.365794	12.399606	0.021345
## 3672	99	7.156042	10.337374	0.023375
## 3673	95	4.297699	10.945578	0.019907
## 3674	95	0.040834	1.055158	0.019831
## 3675	29	0.017871	1.236706	0.018759
## 3676	105	0.985826	3.171838	0.020463
## 3677	114	0.333582	1.991953	0.020445
## 3678	58	0.061763	1.859184	0.022322
## 3679	97	2.641868	6.661200	0.023400
## 3680	25	0.177000	2.962315	0.021004
## 3681	87	0.193982	1.620883	0.018586

## 3682	25	0.268325	4.526099	0.026742
## 3683	226	0.284650	3.388008	0.023616
## 3684	260	0.236131	1.880786	0.020819
## 3685	97	0.404459	2.475890	0.020523
## 3686	63	0.403539	1.868832	0.018402
## 3687	100	0.115828	1.611665	0.014866
## 3688	114	2.893351	10.088630	0.022733
## 3689	129	1.789941	9.133573	0.017539
## 3690	80	0.783487	3.034480	0.019877
## 3691	49	0.084155	1.165568	0.016459
## 3692	132	0.406782	2.269794	0.019456
## 3693	95	0.021524	0.338081	0.019911
## 3694	47	6.452642	17.737020	0.015054
## 3695	347	0.614606	4.350469	0.018822
## 3696	204	0.173664	2.570831	0.020241
## 3697	490	0.799772	3.638410	0.013943
## 3698	284	0.019622	1.555275	0.015519
## 3699	227	0.715402	3.456461	0.017944
## 3700	92	0.063516	1.810148	0.016056
## 3701	92	0.775964	3.468494	0.016878
## 3702	73	0.346088	2.524697	0.018096
## 3703	98	0.046572	1.908658	0.017555
## 3704	49	0.192674	2.235993	0.010592
## 3705	76	0.018900	1.569458	0.020288
## 3706	378	0.486073	2.927212	0.018598
## 3707	284	0.038405	1.667461	0.018688
## 3708	150	1.288930	5.833168	0.018361
## 3709	155	0.110874	1.842842	0.018229
## 3710	52	0.337846	2.252288	0.016756
## 3711	103	0.124054	2.247589	0.016804
## 3712	197	0.056407	1.781509	0.018615
## 3713	640	0.785885	3.784653	0.016908
## 3714	319	0.293225	2.938807	0.016028
## 3715	245	0.053477	1.783675	0.016329
## 3716	131	0.585624	3.005343	0.017989
## 3717	158	1.230392	4.254766	0.015958
## 3718	146	0.117548	2.023491	0.013859
## 3719	560	0.787783	3.657134	0.017755
## 3720	200	0.054216	1.778750	0.016929
## 3721	29	0.293761	2.625041	0.018095
## 3722	161	0.120566	1.960029	0.020342
## 3723	53	0.478570	3.573453	0.019584
## 3724	63	0.051762	1.727269	0.014583
## 3725	171	0.693559	3.872631	0.018075
## 3726	38	3.016188	13.336470	0.013595
## 3727	35	0.611692	9.265415	0.023261
## 3728	27	3.803055	11.522492	0.005130
## 3729	25	6.829893	28.737644	0.017747
## 3730	46	1.082825	5.657169	0.019163
## 3731	75	0.245214	1.674451	0.018778
## 3732	55	2.089434	5.765521	0.021052
## 3733	27	3.022437	6.425176	0.018464
## 3734	25	1.393199	4.615972	0.017210
## 3735	121	2.010872	7.870190	0.019124

## 3736	60	0.495786	2.190668	0.018688
## 3737	34	0.019731	0.270744	0.018406
## 3738	25	0.831608	3.676817	0.013332
## 3739	25	0.444321	4.292321	0.016307
## 3740	25	9.192992	15.649091	0.017950
## 3741	93	0.351421	2.864963	0.018202
## 3742	68	2.662458	9.692593	0.020312
## 3743	61	1.484342	13.826165	0.015946
## 3744	62	7.477020	7.738715	0.018634
## 3745	39	1.526431	7.982566	0.013010
## 3746	25	0.376879	2.834641	0.018728
## 3747	25	0.372133	4.566756	0.017149
## 3748	42	0.681157	5.707626	0.021812
## 3749	44	0.124608	1.941960	0.016985
## 3750	34	0.605334	3.060991	0.016277
## 3751	29	4.505153	17.160963	0.018542
## 3752	53	0.395430	2.611778	0.016701
## 3753	80	1.808548	10.608028	0.018175
## 3754	57	1.295566	5.056072	0.020661
## 3755	40	2.215527	12.890999	0.016079
## 3756	47	0.549685	2.271735	0.018602
## 3757	44	0.194141	2.111798	0.016656
## 3758	73	0.678275	2.655015	0.018629
## 3759	73	3.194276	15.579909	0.018370
## 3760	31	0.373176	11.933577	0.016822
## 3761	64	0.157617	4.333916	0.013809
## 3762	73	6.280583	13.239975	0.021708
## 3763	29	0.627831	2.836976	0.018408
## 3764	47	0.438819	2.686591	0.017001
## 3765	49	0.117085	1.650371	0.017415
## 3766	78	0.547440	2.832120	0.016502
## 3767	167	4.892502	11.673181	0.018748
## 3768	58	11.358731	22.152534	0.020462
## 3769	97	4.086816	10.951852	0.017886
## 3770	71	2.794648	11.355034	0.020049
## 3771	224	0.680110	5.588750	0.021980
## 3772	133	6.115217	19.521564	0.016321
## 3773	45	0.789187	4.524420	0.017630
## 3774	66	1.547162	6.432307	0.020512
## 3775	68	3.115449	8.010460	0.017994
## 3776	72	2.093478	8.887456	0.021120
## 3777	110	0.352591	2.342751	0.022158
## 3778	95	4.915963	11.083621	0.018968
## 3779	79	2.955100	11.307858	0.016922
## 3780	43	0.469967	3.855608	0.018896
## 3781	106	5.543512	18.795042	0.021587
## 3782	174	1.126123	4.844815	0.018402
## 3783	25	0.945134	10.577689	0.021266
## 3784	270	3.041025	10.603877	0.020250
## 3785	62	0.518002	2.871584	0.019307
## 3786	95	2.184838	6.951579	0.018837
## 3787	110	6.525868	14.881262	0.016326
## 3788	206	3.937232	11.110373	0.017346
## 3789	55	3.499587	19.115967	0.014723

## 3790	75	0.046535	1.073736	0.015106
## 3791	44	1.978973	17.593782	0.017579
## 3792	79	0.743897	5.059012	0.015385
## 3793	55	0.757903	3.308799	0.019589
## 3794	31	1.346799	7.252905	0.016984
## 3795	190	2.728548	11.055875	0.017758
## 3796	95	0.827028	3.189697	0.017142
## 3797	44	1.978638	5.134312	0.018620
## 3798	62	2.243666	17.963827	0.019349
## 3799	71	0.691176	4.949066	0.015625
## 3800	30	1.353551	8.304255	0.014805
## 3801	33	0.715645	3.498978	0.013714
## 3802	28	1.028686	4.711709	0.015477
## 3803	25	2.869781	12.446042	0.015016
## 3804	37	1.055389	3.867117	0.013765
## 3805	26	2.232008	13.238005	0.016867
## 3806	25	1.314290	13.370007	0.019849
## 3807	44	1.023223	11.056477	0.018394
## 3808	34	0.677264	3.887880	0.010765
## 3809	90	0.134027	1.260922	0.017855
## 3810	56	0.713638	3.850724	0.016850
## 3811	55	0.241639	2.799262	0.019779
## 3812	48	6.548872	18.332827	0.016586
## 3813	106	0.910923	6.844025	0.006551
## 3814	230	0.183709	2.063201	0.018425
## 3815	152	0.096336	2.685977	0.016157
## 3816	235	0.278939	2.422815	0.017831
## 3817	591	1.011415	4.093507	0.017270
## 3818	189	0.160439	2.136624	0.017599
## 3819	248	0.435232	3.508842	0.016973
## 3820	91	0.394814	3.283961	0.015909
## 3821	217	0.162966	1.655506	0.015263
## 3822	309	0.417394	2.832203	0.016213
## 3823	262	0.094314	1.655270	0.017970
## 3824	158	0.940700	3.707652	0.013969
## 3825	95	0.305604	2.427035	0.015933
## 3826	188	0.982838	3.832715	0.015883
## 3827	93	0.225983	2.054430	0.013813
## 3828	282	0.884878	3.623381	0.017832
## 3829	306	0.607511	3.852458	0.013778
## 3830	197	0.800649	3.730091	0.016308
## 3831	766	0.458299	3.239003	0.018695
## 3832	240	1.256926	5.107259	0.017559
## 3833	116	0.194682	1.952901	0.016057
## 3834	67	0.445585	2.647454	0.018364
## 3835	167	0.240082	2.251650	0.015982
## 3836	179	0.543873	3.052510	0.018287
## 3837	60	0.208057	2.059946	0.016637
## 3838	730	0.424280	2.365321	0.015847
## 3839	163	0.274332	3.120805	0.015506
## 3840	429	0.582449	3.768937	0.018734
## 3841	130	0.033087	3.050995	0.016606
## 3842	254	0.112736	2.438546	0.016380
## 3843	69	1.002720	3.669895	0.014041

## 3844	283	3.663314	9.882187	0.016624
## 3845	145	0.720777	3.649984	0.017551
## 3846	85	0.151250	1.873374	0.015430
## 3847	243	1.122436	3.830210	0.013851
## 3848	92	0.201393	1.876915	0.014328
## 3849	146	1.642241	4.715470	0.016478
## 3850	239	0.732522	3.057108	0.015591
## 3851	489	0.463603	3.464620	0.018317
## 3852	232	0.303139	2.590632	0.017347
## 3853	174	0.635584	3.571508	0.017277
## 3854	63	1.214472	4.257464	0.018779
## 3855	110	0.415808	3.350080	0.015581
## 3856	169	0.537353	3.696964	0.019867
## 3857	92	0.137815	3.472291	0.015522
## 3858	48	0.718696	4.525245	0.016037
## 3859	43	0.783062	3.762360	0.014873
## 3860	39	3.056047	14.001948	0.015007
## 3861	43	0.498612	7.348427	0.019762
## 3862	56	11.229210	16.865656	0.006436
## 3863	30	1.437193	12.120850	0.007095
## 3864	29	2.544995	17.360994	0.015879
## 3865	33	1.185698	13.404743	0.008453
## 3866	42	3.021667	18.921432	0.011682
## 3867	44	2.563738	18.110481	0.020951
## 3868	25	5.940314	16.419165	0.025572
## 3869	25	1.367961	5.306169	0.016943
## 3870	25	1.629989	28.591379	0.017031
## 3871	40	1.848708	5.874253	0.018587
## 3872	25	2.702177	26.048286	0.016809
## 3873	42	2.013653	13.147450	0.020164
## 3874	25	6.953810	16.278896	0.014560
## 3875	25	4.760365	17.345100	0.014590
## 3876	28	3.102236	19.449438	0.018606
## 3877	47	6.943125	25.701572	0.014197
## 3878	36	5.043644	37.308064	0.019678
## 3879	25	3.648394	27.167507	0.018460
## 3880	25	5.070744	13.572131	0.015662
## 3881	56	4.394414	12.544581	0.020224
## 3882	46	0.602212	9.824835	0.019082
## 3883	26	0.988812	5.448169	0.015483
## 3884	25	0.874560	3.704265	0.015892
## 3885	31	2.593086	9.042780	0.016634
## 3886	45	2.556242	8.728555	0.018206
## 3887	44	2.972330	13.245014	0.017255
## 3888	26	1.552795	5.972925	0.010798
## 3889	27	0.999228	4.381724	0.015116
## 3890	70	1.955362	11.527006	0.018430
## 3891	25	0.449583	1.991417	0.014363
## 3892	27	2.734621	6.217072	0.015731
## 3893	36	3.982680	11.381064	0.017838
## 3894	44	1.761892	6.281204	0.017416
## 3895	182	0.964996	3.969839	0.019513
## 3896	80	0.526283	4.172633	0.017104
## 3897	46	0.120749	1.038756	0.018610

## 3898	25	2.209628	22.795849	0.015763
## 3899	25	2.611085	22.409676	0.013456
## 3900	25	2.861755	15.317534	0.017629
## 3901	90	0.669660	3.789619	0.019928
## 3902	42	5.073019	13.245259	0.016092
## 3903	90	0.960496	4.381926	0.016410
## 3904	84	3.364567	8.832402	0.016539
## 3905	81	2.373131	15.916751	0.015464
## 3906	30	1.454707	13.175807	0.015229
## 3907	226	3.546555	13.872576	0.017591
## 3908	25	1.521329	22.182119	0.014801
## 3909	65	4.247511	15.347988	0.016744
## 3910	33	1.046679	10.901804	0.013689
## 3911	99	0.764928	7.206150	0.018708
## 3912	44	1.296017	4.086454	0.027494
## 3913	53	0.232172	2.569010	0.021773
## 3914	86	2.079330	9.589578	0.019406
## 3915	41	2.813497	14.557362	0.020769
## 3916	93	0.762514	5.455908	0.019534
## 3917	28	7.020626	29.824141	0.018645
## 3918	46	0.722380	6.537369	0.021233
## 3919	60	0.861524	4.528406	0.023234
## 3920	51	1.623601	6.934002	0.025993
## 3921	44	4.003449	10.272234	0.017964
## 3922	70	4.683103	17.592421	0.019325
## 3923	48	0.965130	4.003687	0.019567
## 3924	26	4.670465	21.946815	0.017834
## 3925	32	9.508347	23.007877	0.015760
## 3926	57	7.594983	20.228064	0.021240
## 3927	50	4.284429	11.517080	0.019123
## 3928	56	6.638410	24.262043	0.019295
## 3929	41	3.306876	11.927414	0.019602
## 3930	99	7.153018	10.399367	0.021415
## 3931	29	6.695941	36.365643	0.022051
## 3932	25	9.100779	20.947691	0.020775
## 3933	25	6.589136	20.867071	0.022373
## 3934	40	2.600006	13.244850	0.019409
## 3935	25	4.113559	14.223529	0.020831
## 3936	100	2.842972	11.063465	0.017638
## 3937	36	4.201409	24.650042	0.011925
## 3938	34	2.205858	29.739132	0.010404
## 3939	64	1.960374	15.903226	0.021117
## 3940	25	3.343418	19.211636	0.016964
## 3941	28	0.458892	2.934877	0.015157
## 3942	25	0.722265	10.280067	0.020942
## 3943	81	2.635396	11.452377	0.014980
## 3944	52	0.589541	6.977483	0.017370
## 3945	28	3.124646	7.861204	0.016463
## 3946	55	1.786004	11.649549	0.022712
## 3947	36	1.861416	5.868505	0.020510
## 3948	136	2.619775	8.404256	0.021157
## 3949	139	1.320870	6.643818	0.017182
## 3950	54	6.258539	17.025682	0.015132
## 3951	34	2.717023	12.341935	0.004777

## 3952	25	2.589764	11.131991	0.019560
## 3953	25	2.099950	7.353956	0.019013
## 3954	58	1.882075	9.860249	0.020482
## 3955	38	1.924757	6.035278	0.017793
## 3956	29	1.162843	7.008246	0.015914
## 3957	31	2.206611	13.058941	0.023240
## 3958	32	0.813762	7.619823	0.019911
## 3959	41	3.333447	10.999767	0.024770
## 3960	31	1.864378	9.774396	0.020892
## 3961	30	3.170119	25.027609	0.023128
## 3962	25	2.130922	12.598926	0.021758
## 3963	38	1.075164	8.559373	0.020518
## 3964	25	6.933494	26.705215	0.017015
## 3965	44	1.342839	11.049789	0.022136
## 3966	37	2.229363	10.983439	0.019158
## 3967	135	0.135060	1.899886	0.022342
## 3968	59	1.906330	13.233961	0.019962
## 3969	61	7.902394	6.205997	0.024028
## 3970	65	0.033052	0.355646	0.021855
## 3971	37	0.629607	8.735023	0.012875
## 3972	122	1.233351	6.176245	0.017321
## 3973	144	1.735335	6.573781	0.008980
## 3974	69	0.624389	2.576582	0.019343
## 3975	39	0.649065	4.038405	0.017221
## 3976	109	0.486313	5.549111	0.016878
## 3977	34	2.331735	19.558956	0.019903
## 3978	149	0.046186	2.544067	0.017743
## 3979	238	0.471782	3.798766	0.018849
## 3980	109	1.771995	6.468639	0.017094
## 3981	61	1.561775	6.679275	0.017822
## 3982	159	0.434563	2.717831	0.018217
## 3983	655	0.305013	1.897070	0.019159
## 3984	299	0.099834	1.784976	0.019151
## 3985	326	0.231104	1.978134	0.018411
## 3986	225	0.025155	2.634212	0.018491
## 3987	373	1.552643	6.448549	0.019055
## 3988	41	0.750250	5.455851	0.016144
## 3989	1343	0.298183	1.824436	0.019060
## 3990	291	0.404179	2.611210	0.018179
## 3991	427	0.467609	2.276694	0.018640
## 3992	48	0.373928	2.577127	0.014866
## 3993	73	1.045719	4.911994	0.018033
## 3994	115	0.598799	3.170423	0.018368
## 3995	69	0.052615	3.697729	0.017664
## 3996	469	0.262318	2.455527	0.015161
## 3997	117	0.037293	2.862510	0.014270
## 3998	522	0.776625	4.629671	0.014571
## 3999	348	0.018518	2.071523	0.015795
## 4000	588	0.501461	2.829010	0.016717
## 4001	81	0.534343	3.985845	0.013953
## 4002	427	0.379346	2.886197	0.016588
## 4003	80	0.332947	2.662349	0.017108
## 4004	48	0.158330	2.201839	0.016953
## 4005	66	0.103381	1.538844	0.019512

## 4006	77	0.244105	3.820874	0.016913
## 4007	82	0.323679	3.003326	0.012034
## 4008	172	0.083434	1.626065	0.015375
## 4009	217	0.877024	3.529988	0.013573
## 4010	154	0.022506	1.387669	0.017020
## 4011	506	0.448751	2.778250	0.016382
## 4012	175	0.029772	1.553677	0.016649
## 4013	428	0.634611	3.182697	0.017182
## 4014	237	1.213336	6.307158	0.017178
## 4015	237	0.726419	3.319380	0.017278
## 4016	197	1.387417	6.789119	0.017332
## 4017	191	0.946537	4.150824	0.017226
## 4018	373	0.897450	5.090634	0.016521
## 4019	319	0.828237	3.837636	0.017513
## 4020	332	0.797877	4.649403	0.019556
## 4021	408	0.811547	3.910442	0.017074
## 4022	267	0.587657	4.186735	0.018292
## 4023	139	1.005816	4.612093	0.018625
## 4024	57	1.096062	5.523311	0.017601
## 4025	134	1.163931	4.581741	0.019561
## 4026	154	1.011476	5.414171	0.018893
## 4027	409	0.732173	3.624350	0.019495
## 4028	357	0.798465	4.762820	0.017632
## 4029	186	0.582933	2.928835	0.016795
## 4030	68	0.951459	5.304472	0.016901
## 4031	97	0.526794	2.851424	0.017278
## 4032	174	0.045430	2.769921	0.015529
## 4033	191	0.571934	4.015083	0.016759
## 4034	145	0.516157	2.528350	0.018887
## 4035	426	0.658521	3.037063	0.017758
## 4036	212	0.021309	1.425952	0.016972
## 4037	172	0.425522	2.432806	0.017471
## 4038	28	0.056095	1.470678	0.016000
## 4039	427	0.474213	3.350766	0.017875
## 4040	936	0.727423	3.707958	0.017352
## 4041	61	0.148411	2.449084	0.013710
## 4042	371	0.763015	4.005321	0.017925
## 4043	108	0.163584	2.431138	0.015196
## 4044	663	0.786308	3.940996	0.018386
## 4045	33	0.154961	2.215347	0.022014
## 4046	225	0.765159	3.850213	0.015320
## 4047	593	0.614332	3.800325	0.017813
## 4048	65	2.793596	10.587991	0.015069
## 4049	38	3.030758	13.790387	0.018568
## 4050	50	0.445077	6.454528	0.019049
## 4051	38	2.025026	3.837885	0.015281
## 4052	25	0.953452	11.965523	0.017673
## 4053	39	6.762918	26.598473	0.019590
## 4054	25	1.496656	12.240758	0.012755
## 4055	33	1.636281	12.137755	0.016243
## 4056	26	2.544991	16.884943	0.004023
## 4057	47	1.149911	7.145824	0.015381
## 4058	25	3.566586	12.054663	0.022598
## 4059	39	1.761382	8.897032	0.017945

## 4060	25	3.443350	21.041981	0.012144
## 4061	25	2.058797	11.333151	0.000687
## 4062	25	4.246607	19.170488	0.027566
## 4063	32	2.010020	11.517428	0.024472
## 4064	38	5.695646	29.079920	0.016223
## 4065	27	6.924745	23.822645	0.017028
## 4066	25	5.315875	10.403795	0.018149
## 4067	27	2.941741	22.819380	0.015047
## 4068	27	2.223151	8.602980	0.016285
## 4069	25	6.916832	13.215669	0.014779
## 4070	27	3.593906	25.426844	0.024391
## 4071	25	4.193349	27.424088	0.014344
## 4072	36	1.787451	13.578026	0.019880
## 4073	35	3.045819	17.602217	0.022352
## 4074	32	0.194211	2.078319	0.019224
## 4075	28	0.520044	2.198382	0.013772
## 4076	30	0.569549	2.597971	0.022914
## 4077	25	1.050775	4.703204	0.017757
## 4078	38	2.783974	8.982837	0.017891
## 4079	42	2.853161	13.390132	0.022384
## 4080	197	1.406072	4.249748	0.018654
## 4081	39	1.776899	13.719024	0.024857
## 4082	53	1.071201	7.860814	0.020249
## 4083	39	1.949614	27.220493	0.020106
## 4084	25	0.647183	8.465506	0.016332
## 4085	28	0.483223	1.878473	0.021541
## 4086	26	0.182055	1.567028	0.019428
## 4087	25	1.992239	8.359154	0.016569
## 4088	26	0.684473	2.181930	0.022065
## 4089	27	0.363502	2.936831	0.023864
## 4090	28	0.719907	4.651912	0.019266
## 4091	34	1.691003	18.381063	0.013825
## 4092	28	2.428163	7.274489	0.022965
## 4093	25	8.543975	24.492664	0.021947
## 4094	25	2.509016	10.906907	0.023863
## 4095	26	2.238898	8.850384	0.019665
## 4096	31	3.870894	8.878480	0.016020
## 4097	29	0.781720	5.928502	0.022939
## 4098	34	5.428325	8.983257	0.021714
## 4099	55	0.961382	4.814948	0.020812
## 4100	37	4.440372	9.084351	0.022519
## 4101	36	2.221934	22.521757	0.022371
## 4102	25	3.168241	17.427116	0.018799
## 4103	25	2.754801	14.662195	0.019016
## 4104	27	3.102223	12.515693	0.019778
## 4105	94	5.460622	17.763992	0.023381
## 4106	27	0.858185	8.061022	0.018419
## 4107	32	1.317186	7.259431	0.020746
## 4108	51	1.695317	6.124430	0.019771
## 4109	148	0.438672	2.528369	0.018223
## 4110	31	5.313746	38.869232	0.018814
## 4111	25	2.043213	11.160674	0.017298
## 4112	39	5.177323	18.614456	0.015801
## 4113	25	5.358104	13.068967	0.015627

## 4114	25	1.378992	5.596107	0.017047
## 4115	43	3.263429	8.694687	0.024282
## 4116	51	0.588856	7.983917	0.018025
## 4117	95	4.453892	11.509451	0.019425
## 4118	95	0.039338	1.053572	0.017139
## 4119	29	0.015354	1.269681	0.014145
## 4120	105	1.009589	3.289486	0.016100
## 4121	114	0.362893	2.199530	0.018192
## 4122	59	0.074037	1.829038	0.025701
## 4123	96	2.622531	6.469369	0.023836
## 4124	25	0.114864	2.876078	0.016605
## 4125	88	0.194347	1.637154	0.015968
## 4126	25	0.160761	3.204044	0.018552
## 4127	223	0.290331	3.275147	0.021913
## 4128	260	0.235789	1.885215	0.019848
## 4129	97	0.383825	2.405182	0.018491
## 4130	63	0.407787	1.828915	0.018043
## 4131	100	0.110159	1.554020	0.019228
## 4132	113	2.889838	10.000628	0.017465
## 4133	130	1.802337	9.288763	0.020389
## 4134	80	0.773578	2.901270	0.018891
## 4135	49	0.085491	1.253310	0.016502
## 4136	135	0.399742	2.202501	0.017984
## 4137	64	0.187908	4.512213	0.018442
## 4138	73	6.583142	13.251801	0.017126
## 4139	29	0.631878	2.826100	0.015956
## 4140	46	0.457179	2.366835	0.017998
## 4141	49	0.112332	1.621578	0.015771
## 4142	79	0.565450	3.135562	0.017449
## 4143	166	4.884998	11.609688	0.022292
## 4144	59	11.316257	22.168455	0.019234
## 4145	95	4.113314	10.400877	0.018275
## 4146	73	2.808289	11.859408	0.017193
## 4147	40	0.386312	8.310094	0.015518
## 4148	48	6.390919	17.960524	0.020703
## 4149	414	0.561217	3.808595	0.018061
## 4150	168	1.876119	8.211931	0.017563
## 4151	59	0.716082	3.312515	0.018177
## 4152	145	3.431721	10.341040	0.016102
## 4153	71	2.199372	7.798464	0.010088
## 4154	103	6.276124	16.297947	0.017948
## 4155	91	1.367530	6.590489	0.016814
## 4156	240	1.013286	4.175099	0.016384
## 4157	133	0.707287	3.660633	0.011382
## 4158	66	0.675776	8.141452	0.011881
## 4159	39	0.070965	1.266268	0.026826
## 4160	104	0.695942	3.060781	0.023105
## 4161	151	0.418155	2.994454	0.020446
## 4162	38	0.341078	4.471672	0.016228
## 4163	107	0.123898	3.800591	0.017891
## 4164	121	0.260861	4.779501	0.015238
## 4165	165	1.168330	5.594821	0.015140
## 4166	128	0.977966	4.283819	0.012486
## 4167	170	8.041299	17.502853	0.014221

## 4168	58	2.036136	6.616945	0.015122
## 4169	60	1.866135	5.721532	0.019118
## 4170	211	1.127913	3.841712	0.016828
## 4171	25	4.032578	29.124451	0.015344
## 4172	57	0.714177	7.013457	0.014688
## 4173	97	1.297878	11.904015	0.014545
## 4174	52	1.787336	6.580071	0.013297
## 4175	36	5.917392	14.202829	0.011582
## 4176	138	5.508776	14.841730	0.014683
## 4177	55	2.129493	13.240723	0.015840
## 4178	43	0.144695	1.680991	0.010825
## 4179	84	5.538349	10.488394	0.013693
## 4180	99	0.583182	5.340210	0.012405
## 4181	63	0.218533	2.363901	0.012671
## 4182	51	0.169461	1.886452	0.015557
## 4183	34	0.234656	1.878700	0.006789
## 4184	103	0.154476	3.218871	0.010735
## 4185	126	0.146643	2.198109	0.011592
## 4186	121	0.553349	3.460998	0.014228
## 4187	159	0.074690	1.601382	0.014790
## 4188	117	0.753577	3.475826	0.015437
## 4189	127	0.042437	1.458978	0.017300
## 4190	159	0.561182	3.039557	0.014638
## 4191	403	0.495972	2.890102	0.012865
## 4192	108	0.420806	2.755282	0.015121
## 4193	395	0.497449	3.085740	0.018848
## 4194	1405	0.717805	3.765383	0.017944
## 4195	172	0.363132	3.154156	0.016772
## 4196	295	0.785137	3.761025	0.016111
## 4197	62	0.271339	2.731911	0.015851
## 4198	111	0.033716	1.653771	0.018033
## 4199	339	0.703036	3.173010	0.017489
## 4200	253	0.016739	1.323907	0.017647
## 4201	129	0.590055	2.680411	0.016809
## 4202	199	0.631557	3.381621	0.016207
## 4203	94	0.036636	1.486865	0.017061
## 4204	57	0.988800	3.938719	0.012417
## 4205	741	0.211493	1.865474	0.017243
## 4206	108	0.258391	5.127906	0.012018
## 4207	95	0.610855	2.825445	0.018086
## 4208	96	0.083209	1.737404	0.014326
## 4209	245	0.918107	4.041807	0.016807
## 4210	179	0.209088	2.317370	0.016856
## 4211	48	0.626280	3.005000	0.013243
## 4212	47	0.254404	2.795601	0.018675
## 4213	132	0.327889	2.720222	0.017571
## 4214	135	0.063110	1.585248	0.015671
## 4215	109	0.571316	3.088739	0.019025
## 4216	36	0.026149	1.668232	0.017130
## 4217	423	0.648497	3.237789	0.015671
## 4218	124	0.067257	1.525207	0.017678
## 4219	123	0.671832	3.517345	0.017981
## 4220	134	0.072897	1.674755	0.019419
## 4221	522	0.687624	2.955118	0.017452

## 4222	137	0.035193	1.613570	0.016451
## 4223	77	0.410671	2.279207	0.013894
## 4224	162	0.042865	1.633433	0.017748
## 4225	381	0.711579	3.471808	0.017700
## 4226	118	0.132716	2.349164	0.017955
## 4227	248	0.588920	3.707370	0.015421
## 4228	38	3.041761	13.855252	0.020443
## 4229	49	0.507388	6.844753	0.017441
## 4230	32	1.664898	7.943811	0.015896
## 4231	25	2.422134	8.845046	0.017111
## 4232	25	2.711674	14.221929	0.013177
## 4233	44	1.722350	5.996138	0.010430
## 4234	79	1.282837	6.552022	0.022030
## 4235	25	3.199897	9.345680	0.014672
## 4236	41	1.400989	9.048959	0.018576
## 4237	44	4.078310	16.542299	0.019358
## 4238	40	1.642537	7.781997	0.016403
## 4239	32	2.283738	9.201493	0.016689
## 4240	37	8.377186	21.271154	0.012275
## 4241	105	1.397948	8.554838	0.014060
## 4242	122	1.528526	7.366768	0.017602
## 4243	83	0.081891	0.618644	0.016337
## 4244	58	2.686254	10.944125	0.015414
## 4245	88	0.786873	4.954757	0.024166
## 4246	54	0.458150	3.010829	0.019130
## 4247	64	2.688986	11.154789	0.023716
## 4248	62	1.711959	2.703366	0.018641
## 4249	59	1.778658	8.776985	0.020630
## 4250	33	1.993423	5.942522	0.019099
## 4251	62	0.243184	1.354740	0.020472
## 4252	90	0.863638	3.596048	0.015952
## 4253	76	2.482831	17.742512	0.016990
## 4254	94	2.362510	13.211286	0.018308
## 4255	77	0.665697	7.799705	0.017934
## 4256	44	11.558993	9.823907	0.019019
## 4257	36	3.976082	24.743235	0.017693
## 4258	34	2.134052	30.330460	0.016172
## 4259	65	2.090827	15.925144	0.019382
## 4260	25	3.370828	18.093651	0.017068
## 4261	27	0.393036	2.684456	0.017742
## 4262	25	0.715459	10.211922	0.016118
## 4263	81	2.895113	11.589846	0.019281
## 4264	52	0.620094	7.292601	0.018435
## 4265	28	3.334068	9.059802	0.017195
## 4266	55	1.843156	11.978406	0.022871
## 4267	36	1.870118	5.938156	0.016823
## 4268	136	2.625807	8.377249	0.015429
## 4269	140	1.300043	6.728631	0.021983
## 4270	264	3.059474	10.341591	0.020555
## 4271	62	0.522749	3.006829	0.018563
## 4272	95	2.176299	6.976442	0.013508
## 4273	110	6.533092	14.902993	0.020366
## 4274	206	3.947794	11.153537	0.018691
## 4275	25	1.826078	22.630793	0.016638

## 4276	29	2.363284	22.363749	0.021053
## 4277	28	3.239637	15.210958	0.012315
## 4278	90	0.660725	3.587584	0.018873
## 4279	42	5.094681	13.158397	0.015697
## 4280	89	0.943266	4.197751	0.016220
## 4281	84	3.366154	9.135116	0.017024
## 4282	82	2.404167	16.353691	0.017278
## 4283	30	1.425639	13.121662	0.013825
## 4284	56	4.845830	18.036963	0.014607
## 4285	169	3.178931	12.054614	0.016629
## 4286	25	1.295372	20.217907	0.016115
## 4287	25	4.994000	27.311775	0.015615
## 4288	38	4.904541	12.216045	0.014734
## 4289	40	0.950371	6.093912	0.013988
## 4290	44	7.905556	24.297144	0.015350
## 4291	88	1.664701	8.297277	0.015789
## 4292	33	2.941285	21.170263	0.021744
## 4293	25	0.810237	3.157548	0.016872
## 4294	31	2.617134	9.021704	0.013817
## 4295	44	2.662988	8.599311	0.014371
## 4296	45	3.033414	14.071243	0.016907
## 4297	26	1.551397	5.914671	0.015056
## 4298	27	0.982887	4.178783	0.013090
## 4299	70	1.995660	11.397696	0.017228
## 4300	25	0.453889	2.128936	0.017177
## 4301	27	2.745093	6.230876	0.014221
## 4302	36	4.096224	11.514785	0.021065
## 4303	43	1.760602	6.298390	0.018836
## 4304	183	0.976099	4.179757	0.019869
## 4305	80	0.556348	4.107968	0.016545
## 4306	46	0.125851	0.981901	0.018414
## 4307	28	3.706838	12.535265	0.015189
## 4308	25	6.703429	28.032848	0.017990
## 4309	47	1.113826	6.522736	0.017303
## 4310	74	0.240994	1.584569	0.017948
## 4311	55	2.094980	5.993462	0.018736
## 4312	28	3.046206	6.999188	0.015637
## 4313	25	1.405677	4.685605	0.020794
## 4314	120	2.009043	7.819936	0.018099
## 4315	61	0.487881	2.243200	0.016366
## 4316	33	0.001042	0.227341	0.019445
## 4317	25	0.813489	3.753397	0.016605
## 4318	25	0.416743	3.732111	0.018616
## 4319	25	9.372961	15.319488	0.018255
## 4320	93	0.354018	2.963136	0.019335
## 4321	68	2.649769	9.675221	0.020044
## 4322	82	1.071684	10.114404	0.019083
## 4323	41	12.226827	8.456351	0.016590
## 4324	58	0.041889	0.325468	0.017733
## 4325	25	3.846553	18.409193	0.016504
## 4326	25	7.622038	18.626341	0.017784
## 4327	314	0.662128	4.221699	0.019148
## 4328	74	0.128488	2.409878	0.018296
## 4329	104	0.124045	2.752326	0.020741

## 4330	316	0.504376	3.437111	0.013225
## 4331	326	0.469281	3.308639	0.017113
## 4332	187	0.026698	2.923381	0.017710
## 4333	963	0.423727	3.226159	0.015421
## 4334	264	0.737939	3.715429	0.016019
## 4335	227	0.478040	4.045354	0.014514
## 4336	99	0.861347	3.935441	0.016582
## 4337	301	0.631986	4.173886	0.017258
## 4338	170	0.025198	2.667334	0.016920
## 4339	939	0.592124	3.592641	0.015821
## 4340	412	0.433255	2.761239	0.015740
## 4341	244	0.529409	3.281726	0.015228
## 4342	76	3.307980	10.590385	0.016199
## 4343	156	2.222900	6.020313	0.017309
## 4344	25	2.421956	6.296190	0.019505
## 4345	445	0.516501	3.425530	0.016887
## 4346	133	0.289995	2.455008	0.017900
## 4347	216	0.732224	3.471337	0.016826
## 4348	674	0.414401	2.861498	0.015760
## 4349	823	0.499223	3.158693	0.016194
## 4350	576	0.451918	2.875025	0.017529
## 4351	248	0.555518	3.182386	0.016241
## 4352	58	4.428208	8.706097	0.011093
## 4353	343	6.415574	13.624714	0.017344
## 4354	430	0.593191	3.183220	0.017577
## 4355	236	0.452132	3.133571	0.017078
## 4356	506	0.683809	3.448896	0.015996
## 4357	404	0.419580	2.811855	0.017357
## 4358	693	1.268841	3.918356	0.015591
## 4359	190	0.421393	3.347690	0.013882
## 4360	199	0.512952	3.029652	0.013510
## 4361	165	3.633389	13.530014	0.014108
## 4362	50	0.278567	2.277177	0.010941
## 4363	96	5.242003	11.035603	0.012715
## 4364	178	2.076278	6.253991	0.018304
## 4365	28	1.227932	6.077964	0.011517
## 4366	68	1.434193	5.818216	0.017609
## 4367	35	3.741517	10.326599	0.017560
## 4368	182	3.377311	10.236748	0.016147
## 4369	709	0.642809	3.560971	0.017594
## 4370	86	0.383449	3.785783	0.017579
## 4371	299	0.394743	3.260067	0.017109
## 4372	38	2.990598	13.478473	0.014807
## 4373	50	0.464623	6.566992	0.014925
## 4374	41	4.039749	13.451836	0.014957
## 4375	34	4.125070	15.739734	0.014464
## 4376	37	3.833269	12.948187	0.015821
## 4377	39	3.481085	12.410949	0.016476
## 4378	26	2.887697	6.659579	0.012347
## 4379	25	3.091323	10.688386	0.015957
## 4380	25	1.880989	5.657695	0.010486
## 4381	31	4.916797	14.723977	0.010346
## 4382	25	3.817001	13.985809	0.007800
## 4383	26	5.622244	14.937826	0.003282

## 4384	27	1.883937	8.240738	0.014014
## 4385	38	1.405345	14.058387	0.012920
## 4386	25	1.020289	5.093750	0.016658
## 4387	27	0.771719	3.191487	0.015095
## 4388	25	0.084916	1.104946	0.019833
## 4389	25	5.226603	13.189837	0.016576
## 4390	45	1.915096	8.990517	0.018815
## 4391	25	0.270670	3.182083	0.014824
## 4392	28	0.296315	2.519983	0.022738
## 4393	27	0.534528	6.099267	0.020557
## 4394	26	0.232648	1.996197	0.016020
## 4395	27	0.551515	3.005815	0.004948
## 4396	72	0.679684	2.818705	0.008038
## 4397	26	6.931947	33.578312	0.009050
## 4398	25	9.241651	20.810808	0.009594
## 4399	25	6.706994	20.793970	0.010242
## 4400	40	2.505584	13.156599	0.014015
## 4401	25	4.160444	14.205047	0.015432
## 4402	100	2.811759	11.077548	0.015081
## 4403	38	2.148500	9.774121	0.018543
## 4404	25	0.377917	2.808249	0.015925
## 4405	25	0.349152	4.253233	0.012750
## 4406	42	0.694089	5.761386	0.014465
## 4407	45	0.142776	2.336228	0.012904
## 4408	33	0.585334	2.729376	0.015516
## 4409	29	4.473963	17.359230	0.009066
## 4410	53	0.415893	2.816130	0.018574
## 4411	80	1.827214	10.694894	0.014164
## 4412	57	1.276619	4.962962	0.016960
## 4413	40	2.205082	13.293783	0.011562
## 4414	47	0.560340	2.485090	0.011857
## 4415	44	0.226059	2.452690	0.015331
## 4416	74	0.768989	3.181556	0.023173
## 4417	73	3.127138	15.233390	0.018347
## 4418	30	0.348516	11.457241	0.019591
## 4419	92	4.404451	9.883169	0.017705
## 4420	95	0.046341	1.157086	0.017743
## 4421	30	0.032828	1.851331	0.014920
## 4422	105	0.985175	3.125563	0.018915
## 4423	114	0.330221	1.985421	0.019734
## 4424	58	0.033441	1.514117	0.016138
## 4425	97	2.639595	6.601835	0.019423
## 4426	25	0.256615	2.762012	0.016161
## 4427	87	0.191050	1.620650	0.019382
## 4428	25	0.181931	3.712091	0.017333
## 4429	230	0.620222	4.931087	0.024770
## 4430	133	6.060093	19.518272	0.017987
## 4431	45	0.799303	4.632498	0.021587
## 4432	66	1.547219	6.430362	0.021212
## 4433	68	3.059996	7.979755	0.020371
## 4434	72	2.081229	8.786480	0.020057
## 4435	110	0.351687	2.326172	0.017129
## 4436	95	4.860960	11.098969	0.023735
## 4437	79	2.928935	11.288035	0.018891

## 4438	43	0.474548	3.903110	0.013388
## 4439	106	5.549310	18.805470	0.017134
## 4440	177	1.131562	4.887496	0.020018
## 4441	25	0.903145	12.251630	0.018534
## 4442	66	0.171865	4.338184	0.019811
## 4443	72	6.554510	12.970505	0.023054
## 4444	29	0.624769	2.969214	0.015594
## 4445	47	0.490795	2.741704	0.018141
## 4446	49	0.114137	1.380297	0.018714
## 4447	78	0.558274	2.816815	0.018421
## 4448	167	4.890548	11.658854	0.020392
## 4449	59	11.325032	22.046995	0.017624
## 4450	96	4.110651	10.602867	0.020135
## 4451	72	2.762656	11.414209	0.021521
## 4452	55	2.880099	20.588717	0.022098
## 4453	75	0.048215	1.138535	0.017269
## 4454	44	1.954526	17.553606	0.015987
## 4455	79	0.748609	5.149731	0.019411
## 4456	55	0.759689	3.344934	0.016328
## 4457	31	1.370029	7.257401	0.015606
## 4458	190	2.812547	11.293759	0.020190
## 4459	95	0.833323	3.226464	0.016304
## 4460	44	1.943604	5.213985	0.018517
## 4461	62	2.231744	17.973440	0.022978
## 4462	71	0.705963	4.962044	0.016031
## 4463	30	1.359952	8.293540	0.015384
## 4464	33	0.735946	3.459192	0.015450
## 4465	28	1.012438	4.619601	0.015138
## 4466	25	2.800189	12.341138	0.008673
## 4467	37	1.066116	3.919868	0.019451
## 4468	26	2.229187	13.200062	0.016712
## 4469	25	1.269731	13.198660	0.015870
## 4470	44	1.016218	10.910720	0.016517
## 4471	34	0.694787	3.607216	0.016070
## 4472	90	0.130296	1.240056	0.017567
## 4473	56	0.697831	3.780586	0.017461
## 4474	62	0.226319	2.586058	0.016645
## 4475	25	3.953929	18.421553	0.019473
## 4476	25	7.424686	16.859871	0.012641
## 4477	94	0.592983	6.460138	0.017504
## 4478	84	0.571141	5.601481	0.016669
## 4479	25	1.242366	19.877289	0.016593
## 4480	64	0.566330	5.739406	0.015055
## 4481	71	0.815467	3.989804	0.019880
## 4482	389	0.199203	1.948133	0.015074
## 4483	34	7.221330	23.518745	0.012884
## 4484	26	6.180094	32.932747	0.013149
## 4485	25	2.462173	20.039402	0.015869
## 4486	37	6.194136	22.864201	0.017141
## 4487	25	4.367200	31.797680	0.013647
## 4488	25	6.289205	36.727928	0.014269
## 4489	25	4.470127	18.445644	0.015348
## 4490	25	2.962653	23.410938	0.013869
## 4491	30	2.091828	13.541666	0.019792

## 4492	87	0.704665	4.214158	0.016312
## 4493	51	0.725460	4.103277	0.017251
## 4494	64	0.973372	7.178149	0.017670
## 4495	59	0.300402	3.533267	0.010396
## 4496	73	0.923250	5.800799	0.013214
## 4497	33	0.666047	5.054643	0.013448
## 4498	36	2.403610	13.646601	0.008898
## 4499	88	2.266843	11.471023	0.008420
## 4500	33	1.429061	6.663399	0.011240
## 4501	25	2.760524	13.793938	0.007648
## 4502	131	1.911155	10.463223	0.009309
## 4503	39	3.719247	10.533239	0.010672
## 4504	49	2.012615	10.592391	0.011212
## 4505	233	0.439325	3.556686	0.011210
## 4506	80	1.280816	7.470800	0.010978
## 4507	47	1.808145	11.324924	0.008620
## 4508	64	1.465747	11.195367	0.011216
## 4509	102	0.861135	6.477406	0.013820
## 4510	177	1.549735	6.083385	0.018029
## 4511	148	1.704225	7.979589	0.015600
## 4512	50	0.810132	5.383132	0.015398
## 4513	66	0.774474	4.751842	0.017844
## 4514	43	0.304721	4.196544	0.011136
## 4515	48	0.181721	2.236191	0.019912
## 4516	43	2.411702	8.132565	0.019310
## 4517	57	4.738946	14.774075	0.017861
## 4518	52	0.864973	5.766986	0.013943
## 4519	25	1.421617	14.872769	0.014392
## 4520	25	3.320998	28.560932	0.014340
## 4521	31	5.219920	16.668571	0.010712
## 4522	28	5.255313	22.348713	0.005966
## 4523	26	2.059604	8.181177	0.015544
## 4524	37	7.315971	22.094719	0.009346
## 4525	40	4.690004	23.163294	0.017880
## 4526	25	4.738014	17.238464	0.021682
## 4527	36	7.706349	20.914553	0.014942
## 4528	25	4.652439	24.504204	0.012026
## 4529	40	4.392777	19.441357	0.016402
## 4530	25	3.685963	25.630165	0.020167
## 4531	25	5.845387	34.350964	0.017817
## 4532	25	1.268458	7.958502	0.017050
## 4533	25	1.199348	11.683864	0.019405
## 4534	25	0.374999	9.386468	0.019017
## 4535	66	0.270963	2.665628	0.022271
## 4536	65	0.721594	4.337841	0.013114
## 4537	38	0.370226	4.752704	0.017710
## 4538	33	0.278377	2.943859	0.015001
## 4539	60	1.399910	4.550706	0.018561
## 4540	62	0.822664	4.073774	0.020655
## 4541	113	0.843990	7.045617	0.016687
## 4542	25	0.326260	10.798306	0.006590
## 4543	56	0.732386	3.670256	0.013030
## 4544	25	2.190862	12.358173	0.017422
## 4545	175	1.091471	7.985441	0.018953

## 4546	54	0.379951	4.492711	0.019578
## 4547	35	1.421324	8.957751	0.016310
## 4548	40	0.973423	13.320456	0.019556
## 4549	65	1.291068	9.403087	0.018073
## 4550	164	2.072371	13.863798	0.022728
## 4551	65	1.459221	4.485757	0.021066
## 4552	77	0.865773	5.388990	0.017853
## 4553	62	0.437946	3.761600	0.007042
## 4554	49	0.725710	4.974586	0.016078
## 4555	65	0.930824	4.361130	0.021443
## 4556	55	0.068660	2.684694	0.013315
## 4557	50	2.741458	14.004307	0.018927
## 4558	55	3.136230	15.808622	0.015862
## 4559	26	1.265490	8.542936	0.010159
## 4560	82	3.213813	13.095653	0.013010
## 4561	60	4.265054	21.604183	0.021091
## 4562	49	4.416361	19.032965	0.018735
## 4563	55	3.901091	18.111414	0.016331
## 4564	51	3.106010	14.641822	0.012457
## 4565	66	3.564373	18.405670	0.015532
## 4566	36	1.919325	11.452293	0.015816
## 4567	45	7.527803	28.454329	0.018871
## 4568	25	6.552003	23.570145	0.015023
## 4569	40	4.927179	18.534122	0.014250
## 4570	134	3.948326	11.825465	0.015401
## 4571	25	5.845026	31.287651	0.012655
## 4572	185	0.968112	5.881549	0.016359
## 4573	52	1.204248	6.083199	0.018030
## 4574	47	0.881562	6.983613	0.017645
## 4575	72	2.088835	7.448019	0.020249
## 4576	91	2.567703	11.963615	0.017549
## 4577	25	1.395567	18.757305	0.018444
## 4578	28	3.852588	25.036390	0.022576
## 4579	150	1.244559	7.335180	0.019711
## 4580	36	6.638303	17.488447	0.016119
## 4581	83	5.594135	23.649399	0.015946
## 4582	69	2.659157	13.091415	0.010766
## 4583	111	0.565385	4.644514	0.006696
## 4584	25	4.837707	32.556847	0.010160
## 4585	25	1.543551	12.310904	0.014148
## 4586	65	0.657742	6.596669	0.012842
## 4587	65	1.490327	10.524491	0.024303
## 4588	35	1.605756	10.704858	0.028613
## 4589	30	0.982954	8.362901	0.014568
## 4590	37	1.454763	13.783038	0.014972
## 4591	46	1.282138	5.843628	0.017977
## 4592	131	1.830733	9.536392	0.017956
## 4593	42	0.716415	6.353348	0.016164
## 4594	35	0.735981	8.444911	0.012161
## 4595	36	0.312318	2.380598	0.013057
## 4596	55	1.932683	7.577557	0.016041
## 4597	37	0.354669	4.412778	0.023497
## 4598	60	1.398550	8.529773	0.017501
## 4599	42	1.820019	5.556009	0.015912

## 4600	66	0.944297	6.833930	0.015689
## 4601	56	1.311222	4.930344	0.017092
## 4602	73	0.823199	5.585382	0.014524
## 4603	33	0.544988	3.883815	0.013900
## 4604	36	2.811596	13.627018	0.014375
## 4605	88	2.270127	11.625071	0.016298
## 4606	33	1.482023	7.162764	0.016972
## 4607	25	2.622398	13.711858	0.015258
## 4608	131	1.819255	10.756590	0.014511
## 4609	39	3.532413	10.814551	0.010090
## 4610	55	1.852705	10.246035	0.010219
## 4611	227	0.553311	3.512451	0.011040
## 4612	25	4.769683	28.714973	0.011480
## 4613	34	7.066183	24.294422	0.012153
## 4614	26	6.373770	32.457451	0.014961
## 4615	25	2.586261	20.525705	0.010334
## 4616	37	6.198320	23.237551	0.012065
## 4617	25	4.273477	33.238441	0.006863
## 4618	25	6.607605	37.834576	0.009254
## 4619	25	4.310358	19.162449	0.009772
## 4620	25	3.456620	21.772991	0.012769
## 4621	30	1.775095	12.603958	0.008980
## 4622	87	0.680751	4.016727	0.010507
## 4623	51	0.764706	4.187065	0.018040
## 4624	64	0.582755	6.921009	0.017857
## 4625	59	0.643744	4.077358	0.022039
## 4626	81	1.037766	7.016908	0.016721
## 4627	47	2.203359	11.082150	0.017023
## 4628	64	1.139603	10.551080	0.018321
## 4629	102	1.013419	6.322189	0.012087
## 4630	177	1.587307	6.294772	0.012739
## 4631	148	1.687642	7.302496	0.013375
## 4632	50	1.426659	5.467730	0.014791
## 4633	66	1.095396	6.151636	0.013873
## 4634	43	0.313626	4.447376	0.013520
## 4635	48	0.308463	2.392568	0.011266
## 4636	43	2.241004	7.865762	0.011257
## 4637	57	4.778733	14.783177	0.016872
## 4638	52	0.957125	5.813059	0.012610
## 4639	25	1.264378	14.844965	0.010263
## 4640	25	2.871657	28.722492	0.005339
## 4641	31	5.048974	16.568928	0.018054
## 4642	28	5.327511	22.438330	0.019138
## 4643	26	2.225077	7.733159	0.014878
## 4644	37	7.455312	22.671921	0.019213
## 4645	40	4.460954	23.427109	0.011048
## 4646	25	4.411739	17.791901	0.018079
## 4647	36	7.791451	20.905678	0.015199
## 4648	25	4.202367	24.828543	0.011540
## 4649	40	4.162261	19.456274	0.008552
## 4650	25	3.541790	25.975374	0.012194
## 4651	25	6.224308	34.571243	0.010449
## 4652	25	1.140975	8.014619	0.007627
## 4653	25	0.886795	11.955873	0.015355

## 4654	25	0.635445	9.117546	0.021766
## 4655	66	0.463025	1.978677	0.014854
## 4656	65	0.660930	4.614837	0.018723
## 4657	38	0.479456	4.732852	0.018119
## 4658	33	0.611934	3.163067	0.020111
## 4659	60	1.150753	4.466853	0.020211
## 4660	62	1.193059	4.646906	0.019238
## 4661	113	0.813356	6.672252	0.017122
## 4662	25	1.458937	18.969353	0.022847
## 4663	46	3.028101	14.090806	0.017496
## 4664	55	3.511753	19.086750	0.019505
## 4665	26	1.182824	8.926333	0.016699
## 4666	82	3.366880	14.685708	0.016432
## 4667	60	4.372254	21.835089	0.014823
## 4668	49	4.474166	18.784910	0.013416
## 4669	55	3.916751	17.737146	0.015086
## 4670	50	3.215506	14.594455	0.016722
## 4671	66	3.641999	18.414381	0.020952
## 4672	35	1.940484	11.407128	0.020321
## 4673	46	7.276781	28.389057	0.017084
## 4674	25	6.436966	23.622540	0.012604
## 4675	40	4.516109	19.000826	0.013919
## 4676	133	3.958889	11.385123	0.018434
## 4677	25	4.658979	31.807690	0.015323
## 4678	186	0.923786	6.403578	0.015997
## 4679	52	1.261299	6.421849	0.016147
## 4680	47	0.629429	6.570564	0.022005
## 4681	72	1.735706	7.114567	0.014813
## 4682	59	1.758779	9.797822	0.014012
## 4683	98	0.464099	2.557010	0.017346
## 4684	264	7.535397	21.496969	0.020176
## 4685	72	0.716366	2.995616	0.010022
## 4686	121	3.771072	13.088832	0.020883
## 4687	46	3.136500	10.845284	0.018669
## 4688	75	0.761278	3.081726	0.021084
## 4689	96	7.651405	16.302217	0.017370
## 4690	223	1.308815	4.641618	0.020071
## 4691	186	0.437922	2.626086	0.018422
## 4692	91	2.729966	11.381935	0.020448
## 4693	25	1.583827	19.168028	0.011931
## 4694	28	3.820210	25.144064	0.016657
## 4695	150	1.221730	7.835220	0.015112
## 4696	44	3.370149	8.351332	0.014759
## 4697	97	5.917695	24.102663	0.006367
## 4698	62	3.119463	14.293890	0.019005
## 4699	158	0.772050	5.396653	0.017302
## 4700	25	2.778892	19.630327	0.014210
## 4701	95	2.701024	13.222523	0.002522
## 4702	180	6.021478	18.759184	0.016269
## 4703	27	7.352059	20.506859	0.003102
## 4704	25	4.346068	17.067085	0.013210
## 4705	38	0.895486	4.776432	0.021187
## 4706	31	0.972599	5.892178	0.020307
## 4707	25	2.866237	12.721226	0.020899

## 4708	41	9.291923	25.937521	0.022424
## 4709	38	2.828601	17.157141	0.022701
## 4710	76	1.389485	5.705789	0.024443
## 4711	37	4.088114	14.034056	0.023423
## 4712	58	5.126215	23.784081	0.024285
## 4713	45	9.088215	28.031406	0.020989
## 4714	94	2.533203	10.270632	0.024154
## 4715	25	7.850800	26.172966	0.021804
## 4716	25	4.327969	23.844463	0.019669
## 4717	105	3.712282	16.548420	0.024951
## 4718	55	4.222260	21.658728	0.031600
## 4719	56	7.264878	32.998013	0.024787
## 4720	37	3.084572	16.652180	0.025567
## 4721	50	2.473013	13.853275	0.023925
## 4722	75	2.583517	16.335678	0.025797
## 4723	25	3.924672	29.477385	0.020489
## 4724	38	4.554140	23.500984	0.019260
## 4725	25	6.846954	19.069368	0.022489
## 4726	25	7.132113	25.435513	0.018940
## 4727	50	2.349821	9.471080	0.021081
## 4728	97	0.814143	6.233496	0.022488
## 4729	476	0.637873	4.143916	0.023354
## 4730	25	5.958047	26.647602	0.019774
## 4731	25	1.904495	14.705130	0.019441
## 4732	31	2.638983	22.510740	0.011050
## 4733	130	1.894828	9.216536	0.018615
## 4734	42	0.989830	6.665553	0.014982
## 4735	35	1.327479	8.472860	0.024075
## 4736	36	0.433891	3.086538	0.013364
## 4737	55	1.516289	7.540188	0.015944
## 4738	37	0.595083	4.579140	0.018574
## 4739	60	1.508209	8.474155	0.019386
## 4740	42	1.209936	5.467714	0.012938
## 4741	66	1.118567	6.530444	0.018616
## 4742	56	1.110231	4.627209	0.011726
## 4743	73	1.027807	5.887169	0.018646
## 4744	33	0.630904	5.088958	0.018508
## 4745	36	2.477688	13.643208	0.015560
## 4746	88	2.293510	11.504462	0.015067
## 4747	33	1.397038	7.026099	0.011768
## 4748	25	2.752600	13.720796	0.015358
## 4749	131	1.848568	10.236113	0.014917
## 4750	39	3.600145	11.121222	0.013964
## 4751	53	1.930196	10.479167	0.016643
## 4752	229	0.379698	3.467548	0.015209
## 4753	36	1.557436	2.479029	0.010701
## 4754	27	3.070262	10.397912	0.009660
## 4755	29	0.580110	15.994000	0.007689
## 4756	39	0.744665	2.083679	0.007829
## 4757	58	7.412899	18.040794	0.010254
## 4758	109	3.452259	15.582354	0.011125
## 4759	63	1.875023	5.068414	0.011349
## 4760	73	4.593542	18.213348	0.011447
## 4761	45	2.408960	6.811646	0.012310

## 4762	45	6.099733	34.657154	0.009582
## 4763	35	4.338140	18.772943	0.013227
## 4764	69	1.769210	4.803711	0.011049
## 4765	25	8.194703	36.258308	0.008667
## 4766	38	6.551421	29.659256	0.007853
## 4767	40	3.112539	22.280029	0.024138
## 4768	28	5.750362	39.586864	0.024510
## 4769	347	1.502711	4.958744	0.020351
## 4770	25	5.148650	28.120445	0.020692
## 4771	34	7.144883	23.917149	0.016316
## 4772	26	6.072632	32.377201	0.010331
## 4773	25	2.555099	20.739985	0.020126
## 4774	37	6.177937	23.158428	0.015951
## 4775	25	4.591640	32.862072	0.010257
## 4776	25	6.822515	37.353973	0.015567
## 4777	25	4.448249	18.561031	0.021247
## 4778	25	3.179627	23.448109	0.017967
## 4779	30	1.837917	12.660300	0.013009
## 4780	87	1.061975	4.706090	0.018608
## 4781	51	0.759021	4.401642	0.016606
## 4782	64	0.893457	7.391168	0.019739
## 4783	59	0.734635	4.057264	0.013580
## 4784	116	5.976880	17.182634	0.020366
## 4785	116	4.695934	20.785259	0.012821
## 4786	48	1.218915	9.114687	0.016220
## 4787	40	5.632857	17.790447	0.022033
## 4788	43	3.421809	12.490389	0.013888
## 4789	294	4.227188	16.088352	0.016658
## 4790	210	0.410756	4.006932	0.014943
## 4791	81	1.119302	7.115308	0.016210
## 4792	47	1.779464	10.932500	0.014167
## 4793	64	1.233890	11.051512	0.017487
## 4794	102	1.007599	6.244576	0.019408
## 4795	177	1.557431	6.261117	0.018300
## 4796	148	1.774856	7.939419	0.018499
## 4797	50	0.904980	5.930800	0.015341
## 4798	66	0.669047	4.754066	0.014557
## 4799	43	0.835021	3.305079	0.012187
## 4800	48	0.142398	1.524995	0.013591
## 4801	43	2.437361	8.144113	0.012774
## 4802	57	4.809426	15.236776	0.015038
## 4803	52	0.781087	6.086361	0.018949
## 4804	25	1.677350	15.180917	0.014271
## 4805	25	2.864658	28.896208	0.017134
## 4806	31	5.096025	16.457691	0.012528
## 4807	28	5.184322	22.448561	0.015135
## 4808	26	1.675596	7.414803	0.014729
## 4809	37	7.432570	21.632910	0.010251
## 4810	40	4.696504	23.480412	0.015027
## 4811	25	4.590794	17.224277	0.011364
## 4812	36	7.547228	21.075336	0.014385
## 4813	25	4.568527	24.810860	0.017775
## 4814	40	4.184663	19.518894	0.012889
## 4815	25	3.841518	26.090351	0.011703

## 4816	25	4.382714	33.802757	0.005183
## 4817	25	0.641998	8.242200	0.018520
## 4818	25	1.021750	12.060317	0.018362
## 4819	25	0.231931	9.124380	0.018177
## 4820	66	0.267732	1.848452	0.017339
## 4821	65	0.587282	4.381178	0.014815
## 4822	38	0.746454	4.972052	0.014009
## 4823	33	0.600726	3.127598	0.009789
## 4824	60	1.194585	4.469745	0.011699
## 4825	62	1.406736	4.861339	0.014849
## 4826	113	0.588688	6.860193	0.017741
## 4827	25	2.342973	15.053780	0.019012
## 4828	55	1.734002	10.051892	0.019288
## 4829	98	0.562382	2.682420	0.021659
## 4830	264	7.395656	22.039940	0.018806
## 4831	72	0.651842	3.631973	0.017148
## 4832	121	3.773430	12.243811	0.015902
## 4833	46	3.127439	10.183418	0.013711
## 4834	75	0.843707	3.136325	0.015713
## 4835	96	7.412861	16.256529	0.011353
## 4836	223	1.209669	4.380187	0.021145
## 4837	186	0.592987	3.131689	0.017788
## 4838	91	2.584144	11.832390	0.020414
## 4839	25	1.901708	18.616846	0.022327
## 4840	28	4.142685	24.687727	0.014849
## 4841	150	1.300426	7.478031	0.017832
## 4842	36	6.633913	18.151035	0.016174
## 4843	83	5.564679	22.200790	0.020953
## 4844	69	2.482859	13.002799	0.014887
## 4845	111	0.750235	4.437326	0.015202
## 4846	25	4.180051	33.045330	0.012920
## 4847	25	1.590041	12.184382	0.013517
## 4848	203	6.427841	25.074165	0.012797
## 4849	25	3.903637	32.319519	0.013010
## 4850	25	1.403285	9.910419	0.016325
## 4851	43	2.222891	7.789876	0.007685
## 4852	57	4.907630	14.933679	0.025008
## 4853	52	0.974791	6.244520	0.016536
## 4854	25	1.238414	15.028936	0.014151
## 4855	25	2.983886	29.042614	0.017824
## 4856	31	5.002302	16.730404	0.016536
## 4857	28	5.345607	22.732210	0.012682
## 4858	26	1.890908	7.792694	0.013121
## 4859	37	7.377319	22.498415	0.015653
## 4860	40	4.945384	23.347586	0.016307
## 4861	25	4.448419	17.271111	0.009930
## 4862	36	7.406870	20.938423	0.017713
## 4863	25	4.186573	25.028713	0.011200
## 4864	40	4.391202	19.060085	0.015123
## 4865	25	3.500996	25.344500	0.016734
## 4866	25	6.400190	35.493095	0.018939
## 4867	25	0.613141	7.755750	0.018172
## 4868	25	0.578935	11.997162	0.011528
## 4869	25	0.539039	8.893584	0.011346

## 4870	66	0.074434	1.646149	0.013983
## 4871	65	0.406920	4.028237	0.017723
## 4872	38	0.704606	4.963100	0.015005
## 4873	33	0.407987	3.310987	0.015763
## 4874	60	0.951652	4.162745	0.010736
## 4875	62	1.280507	4.723694	0.022423
## 4876	113	0.722784	6.778348	0.013661
## 4877	25	0.382649	10.263708	0.009093
## 4878	42	1.547630	12.587075	0.021918
## 4879	53	1.576865	7.661934	0.018053
## 4880	69	1.312125	8.976794	0.017567
## 4881	37	1.328980	5.451106	0.020645
## 4882	65	0.819132	7.050963	0.020712
## 4883	66	1.565130	11.010892	0.019965
## 4884	34	1.626476	10.464068	0.017956
## 4885	30	1.114936	8.511332	0.012174
## 4886	37	1.462786	14.153732	0.018050
## 4887	46	0.691572	5.682816	0.017854
## 4888	25	6.179975	26.543276	0.020082
## 4889	105	0.646858	4.729510	0.019028
## 4890	42	1.233731	6.898675	0.017013
## 4891	35	1.078358	8.638244	0.012930
## 4892	36	0.598511	3.398743	0.016357
## 4893	55	1.735717	7.800230	0.014376
## 4894	37	0.203213	4.275502	0.010141
## 4895	60	1.342639	8.386247	0.016316
## 4896	42	1.592300	5.252769	0.016717
## 4897	66	0.972388	6.240351	0.017387
## 4898	56	1.481261	4.666729	0.016440
## 4899	25	5.191286	28.238569	0.016193
## 4900	34	7.651637	23.632996	0.021500
## 4901	26	6.482742	33.547626	0.019154
## 4902	25	2.600138	20.553511	0.018645
## 4903	37	6.374673	23.079655	0.014723
## 4904	25	4.218391	31.971375	0.014488
## 4905	25	6.636912	36.683155	0.015737
## 4906	25	4.218077	17.473408	0.017816
## 4907	25	3.009438	22.374058	0.010754
## 4908	30	1.721447	12.345400	0.010909
## 4909	87	0.957719	4.428326	0.018959
## 4910	51	0.580495	4.377448	0.017387
## 4911	64	0.898882	7.228231	0.013022
## 4912	59	0.604127	4.214377	0.015936
## 4913	116	5.918113	17.225613	0.015829
## 4914	116	4.856570	20.647066	0.016418
## 4915	48	1.296598	9.145498	0.012816
## 4916	40	5.738416	17.519535	0.017256
## 4917	43	3.417157	12.695914	0.011307
## 4918	294	4.192566	16.099657	0.019053
## 4919	210	0.543602	4.294475	0.015733
## 4920	81	1.154696	7.268909	0.016535
## 4921	47	1.529923	10.751466	0.007999
## 4922	64	1.619855	10.781138	0.016734
## 4923	102	0.775393	6.224823	0.015365

## 4924	177	1.706091	6.379436	0.017258
## 4925	148	1.523886	7.858953	0.019076
## 4926	50	1.264852	6.488270	0.015021
## 4927	66	1.087555	5.638463	0.021036
## 4928	43	0.386955	4.019417	0.015757
## 4929	59	1.648511	10.135180	0.016085
## 4930	98	0.577083	2.831126	0.018095
## 4931	264	7.521895	20.925734	0.014645
## 4932	72	0.657271	3.168107	0.017706
## 4933	121	3.591277	12.777703	0.014527
## 4934	46	3.200293	11.375648	0.015527
## 4935	75	0.871370	3.107271	0.015766
## 4936	96	7.582473	16.479675	0.012370
## 4937	223	1.239038	4.578030	0.016760
## 4938	186	0.613307	2.655434	0.022041
## 4939	91	2.575806	11.905464	0.017714
## 4940	25	1.820982	18.643238	0.015581
## 4941	28	4.104690	25.041302	0.016324
## 4942	150	1.166970	7.644420	0.019940
## 4943	44	3.174203	7.969765	0.021031
## 4944	160	4.911625	20.782349	0.017010
## 4945	158	0.829524	5.435333	0.019072
## 4946	25	2.847629	19.771742	0.014657
## 4947	95	2.566082	13.164637	0.016074
## 4948	191	2.989131	11.430789	0.010491
## 4949	76	3.024935	19.849386	0.017636
## 4950	296	5.534789	26.054689	0.012168
## 4951	27	3.192326	21.981918	0.010288
## 4952	95	1.766599	11.642287	0.014130
## 4953	97	0.806658	9.961354	0.017708
## 4954	37	1.463425	4.398768	0.019597
## 4955	27	3.119295	10.773993	0.012364
## 4956	29	0.724208	16.672956	0.018237
## 4957	39	1.151471	2.705883	0.026742
## 4958	58	7.519403	19.425919	0.016020
## 4959	109	3.523664	16.314310	0.020999
## 4960	63	1.836115	5.024958	0.017383
## 4961	73	4.830917	18.465477	0.022242
## 4962	45	2.201683	6.894914	0.016182
## 4963	81	5.591017	30.006969	0.019514
## 4964	69	1.581967	4.699409	0.018148
## 4965	25	7.984880	33.358505	0.011029
## 4966	38	6.508238	28.867783	0.018439
## 4967	40	3.157879	22.861401	0.019405
## 4968	28	5.815970	39.340847	0.013616
## 4969	347	1.503369	5.004284	0.019256
## 4970	73	0.837974	5.777084	0.008755
## 4971	33	0.583308	4.694880	0.005548
## 4972	36	3.012253	13.555357	0.009750
## 4973	88	2.236271	11.447234	0.010929
## 4974	33	1.488638	6.917835	0.008091
## 4975	25	2.477767	12.733352	0.011405
## 4976	131	1.814964	10.513361	0.010540
## 4977	39	3.578740	10.989049	0.011461

## 4978	55	1.843195	10.428798	0.012877
## 4979	227	0.852127	3.133992	0.011847
## 4980	46	1.509680	11.799032	0.011548
## 4981	53	1.743633	7.713324	0.007628
## 4982	69	1.208631	8.913059	0.021227
## 4983	37	1.066263	5.320251	0.014742
## 4984	66	0.860420	6.807489	0.020618
## 4985	65	1.469508	10.234077	0.018935
## 4986	34	1.640541	10.085730	0.013184
## 4987	30	1.408206	8.237217	0.015491
## 4988	37	1.698992	14.903139	0.014617
## 4989	46	0.547991	5.460559	0.013668
## 4990	131	1.826078	9.359276	0.018687
## 4991	42	1.266809	6.427869	0.010637
## 4992	35	1.067149	7.869503	0.016081
## 4993	36	0.397203	2.648627	0.012128
## 4994	55	2.227553	7.614507	0.017013
## 4995	37	0.753387	4.731936	0.012806
## 4996	60	1.662591	8.681503	0.016116
## 4997	42	1.853798	5.308077	0.014301
## 4998	66	0.611823	5.830395	0.015034
## 4999	56	1.261251	4.418680	0.013567
## 5000	116	6.021002	17.250418	0.017964
## 5001	116	4.667583	20.967186	0.015939
## 5002	49	1.248183	9.831169	0.017689
## 5003	39	5.771643	17.274439	0.017296
## 5004	43	3.478415	12.512948	0.012441
## 5005	294	4.316866	16.106783	0.018847
## 5006	210	0.364034	4.179241	0.019742
## 5007	60	0.826933	3.144891	0.017120
## 5008	25	1.763387	12.482226	0.016895
## 5009	30	1.197734	11.509214	0.014389
## 5010	144	1.022229	7.291461	0.020573
## 5011	54	0.657582	4.640605	0.018700
## 5012	34	1.483360	7.450946	0.020689
## 5013	41	0.573633	14.063546	0.014042
## 5014	65	1.599399	9.560158	0.022621
## 5015	164	2.155939	13.829414	0.021387
## 5016	65	1.092513	4.772791	0.017910
## 5017	77	1.010819	5.170145	0.009275
## 5018	62	0.184121	3.380460	0.016179
## 5019	49	1.144358	5.403339	0.024452
## 5020	65	0.863993	4.280386	0.013923
## 5021	55	0.693051	3.475697	0.017910
## 5022	81	1.112455	7.268394	0.014394
## 5023	42	0.884423	7.896250	0.017390
## 5024	69	1.898706	12.860258	0.009429
## 5025	102	0.891826	5.721165	0.013593
## 5026	177	1.612865	5.918819	0.015651
## 5027	148	1.600083	7.794077	0.013823
## 5028	50	0.886132	5.876815	0.016964
## 5029	66	0.957890	5.410863	0.015910
## 5030	43	0.383782	3.297456	0.005351
## 5031	25	5.018148	28.085600	0.016282

## 5032	34	7.203272	22.160187	0.019560
## 5033	26	6.627447	30.966322	0.015191
## 5034	25	2.584902	19.257410	0.016012
## 5035	37	6.187339	22.702356	0.016257
## 5036	25	4.046200	32.178101	0.019884
## 5037	25	6.557147	36.969803	0.014198
## 5038	25	3.968284	15.894475	0.016001
## 5039	25	2.757886	22.268974	0.011556
## 5040	30	1.448978	11.453954	0.020615
## 5041	87	0.741867	4.295838	0.019481
## 5042	51	0.626674	4.564180	0.018729
## 5043	64	0.590195	7.445965	0.018699
## 5044	60	0.920850	4.054087	0.010897
## 5045	48	0.336869	3.032133	0.013163
## 5046	43	2.385487	8.503447	0.016143
## 5047	57	4.955633	15.091874	0.014703
## 5048	52	0.855966	5.980466	0.011774
## 5049	25	1.248999	15.169339	0.012535
## 5050	25	3.319409	28.318321	0.011956
## 5051	31	5.361402	16.960182	0.009081
## 5052	28	5.343776	22.623991	0.004781
## 5053	26	1.851802	7.799323	0.014169
## 5054	37	7.495162	21.459223	0.007997
## 5055	40	4.870677	23.448326	0.016177
## 5056	25	4.689227	18.120533	0.018932
## 5057	36	7.257679	21.280535	0.013396
## 5058	25	4.296897	25.366037	0.010983
## 5059	40	4.150734	19.234793	0.015025
## 5060	25	3.398959	25.998779	0.017820
## 5061	25	6.057227	35.614269	0.017180
## 5062	25	0.791406	8.184853	0.017047
## 5063	25	0.395650	11.945440	0.018976
## 5064	25	0.874221	9.079306	0.018551
## 5065	65	0.187945	2.305549	0.022418
## 5066	65	0.524950	4.292926	0.013377
## 5067	38	0.724193	4.700231	0.017075
## 5068	33	0.856829	3.649645	0.014628
## 5069	60	1.495362	4.246337	0.018913
## 5070	62	0.881106	4.222218	0.020235
## 5071	113	0.825787	6.955409	0.016700
## 5072	25	1.341008	12.930865	0.007921
## 5073	88	2.513830	10.364834	0.015656
## 5074	25	1.831577	17.964157	0.012170
## 5075	28	3.961295	25.096958	0.017387
## 5076	149	1.099718	7.379030	0.018978
## 5077	36	6.781352	17.073402	0.018364
## 5078	83	5.585746	21.209999	0.014560
## 5079	69	2.521113	12.368401	0.003368
## 5080	112	0.613607	4.132922	0.010530
## 5081	25	3.899788	31.267967	0.014971
## 5082	25	1.609424	14.543055	0.014150
## 5083	109	3.469085	16.383791	0.017700
## 5084	63	1.881998	5.224898	0.027921
## 5085	73	4.729311	18.462143	0.017483

## 5086	45	2.293634	7.031879	0.019770
## 5087	81	5.577368	30.479685	0.020941
## 5088	69	1.655610	4.643835	0.016834
## 5089	25	7.990430	35.214684	0.020993
## 5090	38	6.772553	28.048681	0.018389
## 5091	40	3.270563	22.860809	0.019130
## 5092	28	5.830072	39.952477	0.020982
## 5093	347	1.431660	5.001537	0.018523
## 5094	60	0.432576	3.188180	0.018149
## 5095	25	1.853669	13.109491	0.015421
## 5096	30	1.573699	11.628559	0.014462
## 5097	144	0.896814	7.107175	0.020143
## 5098	54	0.860338	4.266151	0.006425
## 5099	34	2.271982	7.912222	0.011099
## 5100	41	0.652988	13.789673	0.025240
## 5101	65	1.184865	8.493198	0.019533
## 5102	164	2.106503	12.505782	0.019332
## 5103	65	1.462576	4.344387	0.022743
## 5104	76	1.211720	5.234738	0.018654
## 5105	63	0.255880	3.703631	0.020815
## 5106	49	1.350864	4.778096	0.017102
## 5107	65	0.684462	4.419986	0.013177
## 5108	55	0.352882	3.636266	0.010322
## 5109	25	5.192827	27.556625	0.015232
## 5110	34	7.001799	22.553795	0.018514
## 5111	93	1.507234	7.685170	0.013405
## 5112	510	2.174567	10.756154	0.013567
## 5113	361	0.591701	4.107759	0.014074
## 5114	227	1.562740	7.641556	0.014834
## 5115	341	0.932260	6.952570	0.014037
## 5116	710	0.445119	5.600657	0.015505
## 5117	734	0.686285	6.374535	0.014921
## 5118	1052	0.512346	4.426810	0.016297
## 5119	888	0.917506	6.454425	0.013386
## 5120	104	0.948851	10.651153	0.020243
## 5121	129	0.470499	6.686651	0.019096
## 5122	612	0.348083	4.494030	0.020364
## 5123	1567	0.535982	5.767237	0.021413
## 5124	727	0.590855	6.126961	0.019992
## 5125	36	3.460252	22.468494	0.005131
## 5126	547	1.207348	7.801617	0.013215
## 5127	41	2.538244	18.826338	0.015127
## 5128	286	0.910523	6.813776	0.010816
## 5129	172	3.500995	11.566621	0.011313
## 5130	35	3.393467	15.566821	0.015618
## 5131	108	5.440964	14.297900	0.008364
## 5132	25	0.980035	6.630436	0.007409
## 5133	29	1.020208	6.115082	0.008070
## 5134	25	1.278446	11.580053	0.007176
## 5135	204	1.084146	7.213054	0.015236
## 5136	49	4.413496	12.426767	0.008590
## 5137	25	3.037503	20.046074	0.008635
## 5138	29	3.821209	13.547628	0.019883
## 5139	25	3.052969	22.334589	0.023027

## 5140	82	1.601274	5.860583	0.025948
## 5141	25	4.819368	41.382828	0.014387
## 5142	29	2.768753	13.338054	0.011506
## 5143	25	3.679925	27.195999	0.012956
## 5144	113	2.782705	11.439361	0.016132
## 5145	161	1.403820	6.740815	0.016213
## 5146	81	0.984162	6.858030	0.016380
## 5147	116	1.262012	6.325819	0.015549
## 5148	26	3.348305	25.950470	0.012698
## 5149	25	2.734797	12.322391	0.012863
## 5150	27	3.645489	16.643291	0.015009
## 5151	114	1.127116	5.002442	0.016223
## 5152	25	4.763610	10.141559	0.008935
## 5153	25	2.720120	13.984651	0.006587
## 5154	25	7.409271	17.620098	0.012501
## 5155	37	1.347078	9.313793	0.010304
## 5156	30	3.781361	12.463446	0.005663
## 5157	101	1.159078	6.009381	0.018699
## 5158	132	5.633781	17.559553	0.011665
## 5159	25	5.077452	15.846204	0.002406
## 5160	132	1.842484	5.447408	0.010195
## 5161	32	0.182447	1.332545	0.010307
## 5162	223	2.024591	6.592492	0.008290
## 5163	107	0.777125	2.828610	0.012008
## 5164	68	0.436291	1.764901	0.011759
## 5165	25	0.247458	1.214568	0.011299
## 5166	123	0.956489	3.901220	0.009112
## 5167	56	2.277475	11.849564	0.007103
## 5168	95	3.645478	16.473642	0.015226
## 5169	43	3.036397	13.690580	0.015155
## 5170	95	3.713778	14.056569	0.017002
## 5171	182	4.190456	11.355901	0.015544
## 5172	102	4.414653	15.110628	0.015292
## 5173	26	2.045548	8.461758	0.017103
## 5174	32	1.041122	3.876200	0.016173
## 5175	37	2.632437	10.605258	0.017769
## 5176	46	1.412158	8.050138	0.019361
## 5177	25	0.746167	3.949314	0.018936
## 5178	119	4.409392	11.432533	0.013902
## 5179	293	4.114717	12.224495	0.014039
## 5180	25	3.844788	12.486286	0.022026
## 5181	42	2.632351	8.168202	0.017617
## 5182	25	1.719644	6.821364	0.020264
## 5183	38	2.091193	16.891087	0.022751
## 5184	25	1.490042	14.603621	0.022132
## 5185	34	0.217640	2.408906	0.020941
## 5186	35	4.394691	8.588728	0.016884
## 5187	45	0.108652	0.796127	0.021521
## 5188	57	0.316301	3.420213	0.019634
## 5189	80	2.160349	10.712472	0.014135
## 5190	85	1.939553	7.133958	0.014425
## 5191	71	0.995518	4.005095	0.017049
## 5192	92	6.989427	16.865772	0.017419
## 5193	28	2.654109	6.136594	0.016787

## 5194	138	1.126316	6.059628	0.014575
## 5195	25	3.191096	21.317389	0.014738
## 5196	27	1.312216	3.949047	0.012234
## 5197	34	0.512587	3.235500	0.012635
## 5198	59	1.016226	4.893620	0.011456
## 5199	36	3.089443	12.209927	0.011127
## 5200	63	0.494794	2.787046	0.012298
## 5201	37	1.188733	5.432541	0.015964
## 5202	86	4.883111	8.470881	0.011588
## 5203	162	3.189157	11.395097	0.014512
## 5204	219	2.499510	6.831649	0.012939
## 5205	113	0.557064	4.497995	0.014235
## 5206	47	3.692851	17.902596	0.013135
## 5207	354	1.261189	5.846283	0.018532
## 5208	65	3.271274	13.197487	0.018043
## 5209	52	2.205404	7.337000	0.013653
## 5210	27	6.906403	19.016226	0.012224
## 5211	33	6.707542	22.458258	0.014006
## 5212	27	7.072435	25.451578	0.014679
## 5213	25	3.269372	26.070854	0.019544
## 5214	25	4.257178	23.562498	0.013742
## 5215	204	2.659982	11.347065	0.011757
## 5216	249	2.915860	10.671587	0.015363
## 5217	25	4.465869	24.734503	0.012769
## 5218	93	6.140052	28.794819	0.006934
## 5219	72	6.450156	22.242369	0.014925
## 5220	70	5.642588	17.025543	0.016084
## 5221	87	7.549458	28.856941	0.012302
## 5222	79	1.815131	5.477984	0.009390
## 5223	73	2.898944	16.271999	0.017253
## 5224	61	1.215083	6.383879	0.018263
## 5225	147	3.472785	16.173950	0.010915
## 5226	58	0.970708	5.363633	0.017154
## 5227	39	7.094884	24.383602	0.014594
## 5228	213	3.781244	16.088940	0.014962
## 5229	71	4.106531	20.093571	0.018769
## 5230	25	4.046622	24.658995	0.018559
## 5231	186	3.802550	14.022068	0.016938
## 5232	38	1.726433	8.845716	0.014872
## 5233	25	1.537617	7.203209	0.005439
## 5234	36	4.082711	18.705120	0.006572
## 5235	25	3.830320	29.470636	0.017701
## 5236	61	5.054392	18.459890	0.029048
## 5237	179	2.000522	7.407422	0.024911
## 5238	374	1.878098	10.411628	0.014898
## 5239	6055	0.504235	5.165942	0.018345
## 5240	74	1.146753	9.266625	0.015375
## 5241	457	0.546467	6.777916	0.014180
## 5242	695	0.709820	6.707217	0.015091
## 5243	217	0.799329	7.714929	0.014458
## 5244	304	0.881590	6.766470	0.016939
## 5245	604	0.945365	7.107158	0.013757
## 5246	5492	0.575260	5.873768	0.017802
## 5247	209	1.905325	10.570946	0.014347

## 5248	39	3.929934	19.300253	0.009800
## 5249	90	2.383847	10.839178	0.010546
## 5250	37	0.664460	12.377335	0.022842
## 5251	25	3.236772	21.092529	0.022353
## 5252	44	2.194710	17.219059	0.027249
## 5253	35	1.868760	10.396086	0.022808
## 5254	37	1.660820	11.307561	0.009474
## 5255	69	0.275082	5.871524	0.008710
## 5256	115	0.905806	2.469147	0.012985
## 5257	287	1.345566	3.607022	0.011663
## 5258	95	0.964608	3.255995	0.021288
## 5259	31	1.245982	5.190626	0.021513
## 5260	41	3.406691	7.544166	0.021821
## 5261	202	1.575549	6.637605	0.014946
## 5262	44	1.975373	7.179190	0.013784
## 5263	45	0.622324	2.465352	0.010591
## 5264	34	7.021512	17.975311	0.012145
## 5265	37	1.025816	6.153685	0.016671
## 5266	81	2.478580	7.255435	0.014351
## 5267	172	3.280598	8.478077	0.015351
## 5268	53	0.115781	1.104461	0.014388
## 5269	25	0.995367	4.365147	0.012544
## 5270	41	3.038485	16.615553	0.015670
## 5271	25	2.267182	12.047890	0.012832
## 5272	25	1.486626	8.726148	0.009019
## 5273	36	4.229145	16.502157	0.009009
## 5274	25	2.651557	25.539831	0.001485
## 5275	54	3.058389	7.971874	0.001804
## 5276	32	2.505750	21.312332	0.003505
## 5277	63	2.643841	10.586459	0.010395
## 5278	65	2.655579	13.471164	0.011113
## 5279	25	2.384799	9.370879	0.010026
## 5280	25	0.959711	8.535550	0.011453
## 5281	26	3.562155	19.862017	0.010017
## 5282	43	2.456146	8.322388	0.013994
## 5283	95	1.480581	7.674469	0.014984
## 5284	84	0.192858	2.094006	0.018648
## 5285	43	3.000998	9.238070	0.022479
## 5286	28	1.328655	3.578867	0.026276
## 5287	25	1.811744	6.800356	0.022842
## 5288	42	1.187084	5.817912	0.021233
## 5289	25	1.682555	5.977610	0.014282
## 5290	25	2.539315	9.604557	0.021618
## 5291	32	2.321576	11.431636	0.015659
## 5292	63	2.211563	9.762605	0.000559
## 5293	36	1.284793	3.099037	0.015917
## 5294	41	1.542739	7.986985	0.011482
## 5295	73	3.086278	8.164434	0.009990
## 5296	66	0.879604	5.028820	0.019524
## 5297	29	0.385421	11.056192	0.014998
## 5298	25	6.256197	44.873192	0.011429
## 5299	93	1.553244	7.171687	0.018659
## 5300	105	0.785653	10.241037	0.015495
## 5301	96	1.009882	8.616622	0.024178

## 5302	94	0.878181	10.068889	0.024593
## 5303	101	1.280113	13.925160	0.023339
## 5304	109	0.385269	5.550302	0.023751
## 5305	92	0.493677	6.411007	0.022246
## 5306	43	0.648054	7.827367	0.016724
## 5307	26	0.795294	12.598983	0.021694
## 5308	34	0.872790	11.857226	0.019437
## 5309	93	0.327481	7.130119	0.023409
## 5310	111	0.679964	9.375222	0.024160
## 5311	81	0.293821	3.219949	0.022113
## 5312	25	4.239152	51.592777	0.018261
## 5313	79	1.798918	8.073709	0.017277
## 5314	40	3.915890	19.272583	0.012107
## 5315	125	2.000370	9.642102	0.015187
## 5316	140	1.893177	7.696448	0.022167
## 5317	35	4.130778	41.631977	0.025855
## 5318	56	6.792785	29.791719	0.008751
## 5319	142	8.278982	29.822111	0.013604
## 5320	163	6.086327	19.900934	0.012753
## 5321	137	4.873932	20.424709	0.010939
## 5322	144	4.592860	16.302216	0.003745
## 5323	517	4.187832	18.251577	0.016766
## 5324	221	3.114265	18.457418	0.020142
## 5325	70	2.580024	16.194937	0.016656
## 5326	155	3.130227	13.993442	0.018396
## 5327	62	3.163884	13.695765	0.018423
## 5328	332	3.529338	15.665051	0.018614
## 5329	180	3.551405	19.484655	0.020093
## 5330	216	3.475052	15.716158	0.015286
## 5331	52	3.249385	21.598331	0.024381
## 5332	228	2.315508	12.665242	0.016894
## 5333	40	5.289413	13.851107	0.010575
## 5334	26	0.516303	4.491231	0.011288
## 5335	49	0.982955	6.129874	0.013393
## 5336	30	1.599943	8.946104	0.018465
## 5337	531	1.394152	9.673202	0.012486
## 5338	191	0.874932	8.609595	0.016235
## 5339	53	0.978818	7.406300	0.015473
## 5340	49	1.006637	6.066800	0.009346
## 5341	46	1.826958	9.127392	0.015028
## 5342	26	0.369572	4.155512	0.016053
## 5343	154	1.957061	9.691001	0.016186
## 5344	196	1.494633	7.619060	0.010770
## 5345	131	2.096056	12.206583	0.012546
## 5346	311	1.241529	5.801412	0.011881
## 5347	41	5.657434	14.258593	0.005522
## 5348	52	2.997669	11.628310	0.009567
## 5349	53	2.548986	10.898132	0.010462
## 5350	51	3.703556	15.755490	0.008468
## 5351	50	3.286172	17.433117	0.004104
## 5352	56	3.875857	13.415465	0.010725
## 5353	187	2.919483	13.397299	0.017316
## 5354	169	2.558528	10.505212	0.018535
## 5355	206	0.558812	8.889174	0.020131

## 5356	50	0.134866	3.814415	0.015837
## 5357	357	1.435597	8.196885	0.018385
## 5358	75	4.122249	20.594582	0.021870
## 5359	54	1.772215	7.247106	0.021502
## 5360	65	1.541190	7.123591	0.018761
## 5361	60	9.013629	26.025640	0.016101
## 5362	52	4.611219	16.323654	0.011199
## 5363	42	4.708302	12.056860	0.014516
## 5364	76	0.239468	4.840475	0.013837
## 5365	127	2.712059	12.949137	0.016345
## 5366	75	3.766428	29.052298	0.011737
## 5367	25	4.032983	33.671070	0.010344
## 5368	117	8.139505	23.581362	0.009948
## 5369	151	11.133219	25.629456	0.011514
## 5370	2756	6.712677	19.542343	0.015719
## 5371	51	2.590056	23.989033	0.017005
## 5372	156	4.268850	14.972131	0.016092
## 5373	529	5.553015	26.385473	0.011851
## 5374	347	3.850993	22.759590	0.012984
## 5375	46	0.468680	6.431659	0.011068
## 5376	89	2.310824	14.344235	0.010793
## 5377	55	2.021542	17.939295	0.012746
## 5378	57	0.536699	4.970334	0.011268
## 5379	112	4.576895	24.457911	0.011370
## 5380	466	6.915968	19.845062	0.014151
## 5381	110	7.078592	23.926147	0.013816
## 5382	61	4.649866	15.224027	0.019585
## 5383	209	6.460612	16.456043	0.014063
## 5384	86	2.977910	12.014111	0.016484
## 5385	129	4.184795	18.627028	0.015424
## 5386	26	0.396685	4.051720	0.021423
## 5387	124	0.989293	9.320130	0.010670
## 5388	145	2.610691	12.209212	0.013734
## 5389	36	0.651407	6.646307	0.007673
## 5390	155	2.684842	12.518710	0.014932
## 5391	41	2.719109	10.231892	0.010008
## 5392	25	0.742176	8.252880	0.018799
## 5393	29	4.115193	6.971352	0.009981
## 5394	25	0.545523	4.904174	0.000675
## 5395	36	0.612013	5.993397	0.007166
## 5396	25	0.477573	5.136555	0.007490
## 5397	30	0.483054	4.764640	0.015655
## 5398	219	5.944363	20.698568	0.013062
## 5399	67	5.023552	22.840788	0.010371
## 5400	53	4.171393	24.298388	0.008825
## 5401	561	3.412544	14.342679	0.014152
## 5402	709	0.341588	3.474922	0.013582
## 5403	269	0.672882	5.582908	0.012491
## 5404	467	3.045431	13.195233	0.012711
## 5405	135	2.999629	15.429015	0.012039
## 5406	1057	3.016002	13.138035	0.015231
## 5407	829	0.739693	4.781591	0.016397
## 5408	180	2.940652	12.422191	0.019889
## 5409	35	6.824671	13.687518	0.014346

## 5410	112	2.251127	7.638192	0.016054
## 5411	245	2.616474	10.913424	0.015329
## 5412	146	6.061215	21.002909	0.013806
## 5413	28	2.846509	20.783796	0.012926
## 5414	31	4.394961	16.290415	0.014255
## 5415	25	2.990054	22.661928	0.015384
## 5416	71	1.803584	6.176681	0.016321
## 5417	52	6.939521	34.522282	0.012916
## 5418	77	6.996777	29.421453	0.016335
## 5419	88	5.622033	25.660858	0.027683
## 5420	74	8.910205	26.645060	0.028694
## 5421	43	6.974986	29.752813	0.014110
## 5422	26	9.273296	27.487749	0.009784
## 5423	74	5.322100	23.188828	0.014236
## 5424	55	7.065067	24.071587	0.014560
## 5425	67	5.869692	24.395987	0.015890
## 5426	72	3.555722	17.197823	0.013825
## 5427	97	6.451034	21.257019	0.013978
## 5428	114	4.095703	22.632118	0.014154
## 5429	28	3.060971	15.375857	0.013851
## 5430	81	5.958904	22.888363	0.013667
## 5431	63	6.352304	22.328697	0.015112
## 5432	74	7.748049	32.201820	0.014781
## 5433	94	5.389517	18.711906	0.016361
## 5434	72	5.235648	18.283979	0.016065
## 5435	36	9.677457	36.354301	0.012457
## 5436	33	7.065261	34.135956	0.012208
## 5437	189	5.427332	20.188732	0.013698
## 5438	76	5.258709	18.050770	0.011889
## 5439	44	13.035763	37.141781	0.014326
## 5440	149	6.806587	22.442245	0.015531
## 5441	39	7.087873	22.219656	0.013629
## 5442	35	10.704125	36.118362	0.013487
## 5443	124	2.288779	11.600950	0.014598
## 5444	77	0.983049	3.609308	0.015459
## 5445	46	0.646977	12.075412	0.014957
## 5446	124	1.014292	6.092219	0.015695
## 5447	46	1.033999	4.550580	0.012390
## 5448	32	2.154026	10.605204	0.004722
## 5449	44	0.579792	7.816250	0.011985
## 5450	27	3.240597	10.369988	0.017357
## 5451	96	1.140935	5.738367	0.010185
## 5452	124	0.972728	4.906880	0.013903
## 5453	41	0.504283	2.531186	0.018780
## 5454	25	2.346447	16.941715	0.008845
## 5455	26	0.226943	1.771144	0.009258
## 5456	29	0.160890	1.407615	0.018658
## 5457	124	0.543416	3.448312	0.020830
## 5458	25	2.767775	15.716772	0.007923
## 5459	30	1.879733	6.660731	0.010852
## 5460	32	0.272467	1.931357	0.006641
## 5461	60	0.722539	3.350003	0.010246
## 5462	37	1.259863	9.208717	0.012294
## 5463	63	0.408721	1.759133	0.009502

## 5464	37	1.184659	5.463187	0.015607
## 5465	83	5.016379	8.731868	0.008929
## 5466	25	6.357494	18.079477	0.018288
## 5467	51	1.988371	10.063453	0.017098
## 5468	25	8.500237	22.459776	0.014292
## 5469	30	3.908241	17.504330	0.012489
## 5470	37	6.502907	19.631475	0.015571
## 5471	31	4.174925	22.097254	0.010430
## 5472	43	1.398871	6.073125	0.015859
## 5473	32	4.481725	13.826879	0.017254
## 5474	27	4.690991	16.085947	0.016666
## 5475	36	1.531174	4.941773	0.017075
## 5476	25	1.149311	5.060236	0.015063
## 5477	30	0.144858	1.156512	0.023785
## 5478	40	0.179547	1.332991	0.023822
## 5479	25	0.691030	3.374464	0.021211
## 5480	73	1.748678	7.859961	0.019058
## 5481	44	2.412738	8.522822	0.011882
## 5482	62	0.927113	3.249669	0.012337
## 5483	40	2.094729	9.823274	0.012400
## 5484	42	0.658268	4.174506	0.011510
## 5485	99	9.618789	25.850391	0.016579
## 5486	38	4.836555	21.706762	0.013514
## 5487	51	2.821402	13.290172	0.014579
## 5488	25	3.629586	19.723957	0.007567
## 5489	32	4.379323	19.324392	0.011978
## 5490	25	1.824106	11.710523	0.015909
## 5491	29	0.200593	1.576196	0.012021
## 5492	44	1.976426	10.733374	0.012155
## 5493	30	0.284068	1.447503	0.018374
## 5494	57	3.476732	27.974449	0.009792
## 5495	60	3.529264	6.366230	0.016199
## 5496	105	0.851021	10.840822	0.020240
## 5497	96	1.019503	8.820140	0.019057
## 5498	94	0.558184	7.711747	0.014381
## 5499	61	1.271846	14.144111	0.021870
## 5500	39	1.001158	11.768056	0.024317
## 5501	49	0.528982	6.884603	0.024512
## 5502	59	0.674293	8.109712	0.021402
## 5503	92	0.218325	3.452861	0.024023
## 5504	43	1.352423	15.125663	0.020325
## 5505	26	0.942853	14.069808	0.021213
## 5506	34	0.902123	12.372265	0.021756
## 5507	93	0.361603	7.593260	0.022080
## 5508	111	0.640333	8.502557	0.021901
## 5509	81	0.339859	4.300940	0.023643
## 5510	25	5.558463	53.467972	0.021046
## 5511	74	1.813466	8.193121	0.023614
## 5512	37	3.864670	19.504805	0.022473
## 5513	113	2.310105	11.013659	0.020764
## 5514	252	3.481225	10.954070	0.016159
## 5515	34	2.372221	11.155703	0.030647
## 5516	26	6.067515	24.577648	0.026903
## 5517	31	7.044282	19.784264	0.027052

## 5518	33	6.401592	21.137629	0.028076
## 5519	27	6.995517	24.988417	0.018177
## 5520	27	4.187021	24.446226	0.010461
## 5521	27	4.635157	18.265261	0.018174
## 5522	30	4.510803	19.058262	0.018563
## 5523	25	4.277174	37.470814	0.010552
## 5524	180	0.782185	6.078683	0.013698
## 5525	59	3.385227	12.705782	0.017063
## 5526	52	2.131669	7.581717	0.019606
## 5527	27	7.111745	19.281050	0.020645
## 5528	29	6.527370	19.842171	0.005786
## 5529	26	6.447154	29.404533	0.006920
## 5530	25	4.923313	25.850994	0.007656
## 5531	29	3.158872	16.595678	0.017688
## 5532	269	1.587105	8.574796	0.020183
## 5533	82	1.014843	7.085518	0.016266
## 5534	107	7.249601	23.160769	0.013153
## 5535	250	1.804980	8.640100	0.020961
## 5536	30	5.395368	36.059441	0.023388
## 5537	47	6.128122	29.574177	0.022494
## 5538	40	3.865909	14.240839	0.014789
## 5539	45	2.677954	13.762062	0.005808
## 5540	25	6.763368	27.511347	0.007558
## 5541	37	7.128837	24.499165	0.018924
## 5542	111	1.640977	10.304399	0.016533
## 5543	233	2.571600	9.488517	0.016047
## 5544	63	6.264279	21.575590	0.008836
## 5545	96	2.343195	15.035428	0.021595
## 5546	242	5.684716	21.373465	0.018468
## 5547	75	4.798549	19.368902	0.011417
## 5548	42	4.055061	19.434462	0.007632
## 5549	118	2.126039	10.183255	0.018706
## 5550	209	1.649452	7.541010	0.014409
## 5551	467	0.794990	7.088706	0.020918
## 5552	40	1.695583	8.608303	0.013300
## 5553	25	1.402272	6.740134	0.012219
## 5554	36	4.054840	18.690773	0.015120
## 5555	25	2.842873	26.326256	0.016624
## 5556	55	3.817115	22.377874	0.017614
## 5557	6120	0.623369	5.801754	0.018776
## 5558	235	0.595437	7.857954	0.020843
## 5559	612	0.215170	3.564844	0.019528
## 5560	1567	0.497939	4.678827	0.021800
## 5561	734	0.395440	4.400940	0.020137
## 5562	458	0.748048	6.526670	0.019002
## 5563	257	0.280004	4.397555	0.017416
## 5564	437	0.593949	5.463433	0.019007
## 5565	359	0.398641	4.985255	0.017459
## 5566	78	1.315676	7.177017	0.017040
## 5567	688	0.854514	6.732231	0.018214
## 5568	616	0.409906	5.007277	0.014652
## 5569	3169	0.517276	5.205136	0.016522
## 5570	1707	0.236388	3.703862	0.018180
## 5571	37	1.685417	9.120276	0.017614

## 5572	25	1.269158	6.636216	0.016546
## 5573	36	4.010961	18.554865	0.016417
## 5574	25	2.771367	25.903410	0.014145
## 5575	73	2.234319	14.204680	0.016432
## 5576	124	3.059853	8.990847	0.018823
## 5577	37	2.356245	10.687886	0.016886
## 5578	39	6.605968	18.289223	0.015547
## 5579	79	1.757768	5.668571	0.017646
## 5580	149	3.234396	16.690435	0.026036
## 5581	58	0.761577	5.170714	0.012345
## 5582	48	6.850777	19.906040	0.016184
## 5583	39	4.382963	19.846260	0.014040
## 5584	25	3.010592	22.213028	0.017690
## 5585	68	1.893344	6.618999	0.015457
## 5586	51	0.963643	4.945470	0.007023
## 5587	29	0.341406	1.932881	0.007597
## 5588	138	0.227799	2.538517	0.017540
## 5589	31	0.164958	2.257529	0.013227
## 5590	50	2.057112	5.276381	0.011782
## 5591	26	1.824158	7.839759	0.008313
## 5592	34	5.170599	46.164917	0.008602
## 5593	236	6.264220	41.545765	0.011534
## 5594	76	1.237538	9.518391	0.016727
## 5595	118	0.360660	4.642069	0.012396
## 5596	25	5.178469	26.606352	0.010444
## 5597	100	3.521189	12.473183	0.017844
## 5598	435	3.417658	11.585946	0.018147
## 5599	25	5.373788	29.999680	0.012231
## 5600	60	0.428058	4.159835	0.019652
## 5601	94	3.944213	18.895197	0.014026
## 5602	166	6.992552	27.865273	0.013844
## 5603	70	1.067460	9.828030	0.014639
## 5604	53	0.958125	7.893254	0.011176
## 5605	25	5.453220	25.733404	0.013170
## 5606	436	4.278776	16.602814	0.018785
## 5607	25	5.245411	27.449736	0.014048
## 5608	167	7.792581	28.684027	0.018744
## 5609	64	1.303326	6.642137	0.015632
## 5610	43	4.571563	25.858690	0.009129
## 5611	54	4.566914	20.761787	0.012475
## 5612	25	5.234845	27.898443	0.006388
## 5613	125	3.907207	17.164934	0.018000
## 5614	132	3.836042	19.678596	0.017568
## 5615	25	5.190746	27.460411	0.014196
## 5616	113	6.071292	42.199802	0.023019
## 5617	230	6.897851	21.667803	0.014731
## 5618	96	3.734711	13.395465	0.020527
## 5619	119	5.925670	17.810152	0.019731
## 5620	98	6.728570	24.590397	0.018077
## 5621	35	4.578321	24.425962	0.021107
## 5622	32	3.564309	12.673522	0.019669
## 5623	105	2.541959	14.546042	0.022891
## 5624	28	2.966536	30.258587	0.021309
## 5625	100	2.609869	9.998340	0.023296

## 5626	3286	0.712282	6.064637	0.015589
## 5627	2556	0.796382	6.600733	0.015599
## 5628	726	2.167357	12.112970	0.013439
## 5629	2332	1.549332	9.923488	0.017645
## 5630	2468	1.185840	8.252582	0.016156
## 5631	368	1.088529	7.357460	0.020864
## 5632	140	1.480206	9.202971	0.015993
## 5633	181	2.214778	12.821933	0.011091
## 5634	178	2.478763	10.633232	0.020437
## 5635	3345	1.166420	7.770326	0.017006
## 5636	599	0.649676	5.855863	0.016729
## 5637	2618	1.303402	8.541580	0.016772
## 5638	991	0.731837	6.406446	0.016877
## 5639	414	0.739191	6.393090	0.015472
## 5640	2278	0.699767	6.254678	0.014244
## 5641	1057	0.734649	6.285968	0.017184
## 5642	3800	0.819554	6.416127	0.016352
## 5643	555	0.972017	7.238953	0.017116
## 5644	1400	0.940199	7.127217	0.017573
## 5645	5731	0.800990	6.600571	0.016157
## 5646	96	3.767664	13.696392	0.014497
## 5647	80	1.165742	7.057151	0.019715
## 5648	57	2.455294	9.698705	0.014529
## 5649	98	4.803090	17.267870	0.018233
## 5650	101	3.893448	15.090178	0.016637
## 5651	394	1.572023	7.833813	0.014694
## 5652	651	1.767838	8.032568	0.014788
## 5653	197	1.061252	9.839820	0.011939
## 5654	203	0.879087	7.337688	0.010118
## 5655	299	1.999797	10.207978	0.012371
## 5656	73	1.261913	14.745224	0.010640
## 5657	48	1.768697	17.138889	0.013942
## 5658	34	1.388405	7.711244	0.008482
## 5659	83	1.404285	13.752601	0.009043
## 5660	86	1.508954	6.750345	0.012066
## 5661	286	1.610888	9.661223	0.006713
## 5662	47	6.407567	33.690750	0.004529
## 5663	38	5.289118	20.691217	0.006842
## 5664	43	0.978348	18.436827	0.017711
## 5665	59	1.566791	15.263277	0.014315
## 5666	477	1.911366	10.422394	0.007422
## 5667	385	1.213313	6.750066	0.005270
## 5668	35	6.434885	38.135654	0.005924
## 5669	46	1.780812	14.224929	0.003198
## 5670	57	3.289775	13.975902	0.012310
## 5671	25	1.604400	32.025616	0.011894
## 5672	722	1.314469	7.312518	0.009657
## 5673	74	0.831047	10.569377	0.007941
## 5674	160	0.630956	9.070403	0.012226
## 5675	97	3.647900	13.752553	0.010122
## 5676	80	1.206080	8.199980	0.020275
## 5677	57	2.800615	10.976065	0.016413
## 5678	98	4.760816	17.166861	0.019574
## 5679	100	3.832122	14.941110	0.018064

## 5680	103	2.747418	15.579186	0.015968
## 5681	28	2.972651	30.538418	0.030168
## 5682	139	2.759444	9.718484	0.023617
## 5683	1497	0.953028	6.545887	0.010153
## 5684	208	1.148255	12.982990	0.012012
## 5685	1337	1.062361	7.462811	0.016077
## 5686	25	3.655866	28.231846	0.006417
## 5687	3943	1.007453	7.275319	0.014357
## 5688	697	0.890877	6.566266	0.013120
## 5689	561	0.901944	8.250580	0.013340
## 5690	1066	0.943839	7.306867	0.014155
## 5691	652	1.710872	8.882992	0.015847
## 5692	123	1.247484	5.492228	0.015276
## 5693	140	1.635488	7.451227	0.016046
## 5694	1938	1.058305	7.825670	0.016897
## 5695	1388	1.113194	7.714456	0.015892
## 5696	25	3.479303	27.046019	0.016046
## 5697	762	1.117502	7.430951	0.016858
## 5698	1620	0.798530	7.363986	0.012595
## 5699	854	0.799601	7.499490	0.013990
## 5700	2509	0.794460	6.055963	0.014004
## 5701	1780	0.934626	7.218400	0.015189
## 5702	25	3.667402	28.686932	0.015096
## 5703	1244	0.760787	5.380625	0.016865
## 5704	25	2.713406	33.743671	0.013603
## 5705	481	0.783223	7.487000	0.017338
## 5706	407	1.017021	9.076387	0.017530
## 5707	2056	0.771486	7.014745	0.017403
## 5708	6991	1.004509	7.180157	0.015687
## 5709	1094	0.697886	6.279200	0.013351
## 5710	985	0.839044	6.685158	0.014242
## 5711	581	1.014475	8.365563	0.014989
## 5712	2495	1.012707	7.163597	0.016902
## 5713	536	1.315528	7.823449	0.010885
## 5714	426	1.420665	7.295327	0.013472
## 5715	283	0.914759	6.685582	0.010382
## 5716	35	3.987568	19.219063	0.009775
## 5717	59	3.808333	10.657328	0.007689
## 5718	149	2.061911	11.630705	0.021131
## 5719	114	2.940015	13.490382	0.014843
## 5720	91	3.903544	16.154362	0.018148
## 5721	85	2.895470	15.026126	0.016345
## 5722	59	6.001848	35.417519	0.016566
## 5723	47	4.420603	21.989374	0.021657
## 5724	75	3.834509	19.553434	0.026662
## 5725	52	5.094903	16.460257	0.020787
## 5726	80	1.629658	6.445453	0.019884
## 5727	46	0.825971	11.767796	0.013003
## 5728	124	0.516338	3.755118	0.016452
## 5729	46	0.970527	4.035046	0.013656
## 5730	32	2.228916	10.417964	0.019232
## 5731	44	0.582539	7.549477	0.018343
## 5732	27	3.208202	10.174491	0.004619
## 5733	96	1.178517	5.578532	0.020905

## 5734	124	0.366009	2.303129	0.024621
## 5735	65	2.789530	21.960102	0.011421
## 5736	140	1.281044	13.390519	0.017719
## 5737	93	2.389719	19.537651	0.019734
## 5738	25	6.502960	60.810028	0.016912
## 5739	72	0.730425	5.183003	0.020866
## 5740	99	1.249314	12.947767	0.022098
## 5741	123	0.984790	6.326540	0.020031
## 5742	45	5.547432	25.651972	0.011517
## 5743	74	5.644115	25.969610	0.010959
## 5744	38	5.571626	19.276098	0.010683
## 5745	32	3.699138	42.922737	0.025471
## 5746	27	4.360076	13.687214	0.025302
## 5747	25	4.388143	50.393261	0.022504
## 5748	33	4.520278	19.595621	0.023757
## 5749	25	4.702028	36.196365	0.025638
## 5750	37	4.665609	12.835179	0.020259
## 5751	36	4.565800	41.969193	0.022708
## 5752	26	4.755078	17.010231	0.017196
## 5753	25	3.759888	38.174408	0.020235
## 5754	61	2.171193	6.677594	0.021661
## 5755	31	2.059640	26.179148	0.016641
## 5756	30	7.716242	18.678539	0.018045
## 5757	58	7.911112	19.979248	0.022734
## 5758	65	5.087772	27.478153	0.021747
## 5759	25	4.261480	54.580795	0.019627
## 5760	25	3.280967	20.970381	0.019834
## 5761	82	7.932025	34.099670	0.022205
## 5762	67	7.345005	33.003826	0.021493
## 5763	25	5.887741	58.518951	0.017420
## 5764	85	3.197760	21.483160	0.019544
## 5765	60	1.401207	16.991184	0.017534
## 5766	31	2.587842	14.512700	0.020084
## 5767	34	0.529937	2.471145	0.017244
## 5768	51	1.835562	8.011135	0.011494
## 5769	31	0.392817	1.931629	0.021456
## 5770	60	1.528851	6.608930	0.023014
## 5771	46	0.301963	2.591614	0.021535
## 5772	55	2.137123	7.020167	0.025329
## 5773	38	0.376873	2.861262	0.020753
## 5774	50	2.516708	11.944195	0.023622
## 5775	66	2.866576	11.073011	0.021046
## 5776	55	1.562172	17.895325	0.019445
## 5777	32	2.390998	23.814890	0.020089
## 5778	28	1.692833	5.098935	0.020819
## 5779	57	1.699746	9.383692	0.022658
## 5780	104	3.144551	9.710853	0.018708
## 5781	25	6.729470	24.780973	0.021932
## 5782	62	1.273543	4.445807	0.020024
## 5783	49	1.885181	9.399513	0.020030
## 5784	41	1.634712	16.212648	0.019717
## 5785	48	0.468004	7.414904	0.021521
## 5786	47	2.273441	13.063539	0.018536
## 5787	29	0.090756	1.503907	0.020064

## 5788	73	0.919901	4.956286	0.016135
## 5789	67	0.969405	13.405435	0.017694
## 5790	25	2.500152	23.722893	0.019314
## 5791	28	1.656887	12.854222	0.016894
## 5792	29	2.396491	14.801029	0.016988
## 5793	27	0.711984	24.209200	0.015683
## 5794	27	1.185065	18.829945	0.014825
## 5795	94	0.260642	3.715498	0.017442
## 5796	67	3.348976	16.895098	0.012634
## 5797	62	4.360674	11.740029	0.017042
## 5798	25	2.017822	9.771765	0.013235
## 5799	25	4.788042	15.134369	0.013301
## 5800	36	5.602787	17.871822	0.011431
## 5801	25	4.258030	25.798870	0.020505
## 5802	58	3.497129	13.106973	0.021233
## 5803	32	3.665177	17.983673	0.021155
## 5804	41	4.157315	16.049206	0.021112
## 5805	36	1.956473	11.529056	0.021915
## 5806	38	7.382888	23.291502	0.019495
## 5807	44	4.568295	13.922745	0.022490
## 5808	34	4.652851	23.217630	0.019994
## 5809	47	4.144107	18.296328	0.021336
## 5810	101	7.269444	15.781158	0.020934
## 5811	35	3.467583	7.511174	0.018693
## 5812	32	2.169525	6.526393	0.018690
## 5813	32	2.244757	6.445325	0.018795
## 5814	31	5.292947	11.418383	0.017602
## 5815	33	1.322839	4.410495	0.018458
## 5816	49	4.016780	19.161074	0.020385
## 5817	26	3.626389	13.876367	0.018184
## 5818	26	1.852093	7.594231	0.017351
## 5819	51	3.571515	17.845932	0.019952
## 5820	25	6.841848	43.834316	0.018213
## 5821	38	7.930157	36.766232	0.018996
## 5822	49	1.827263	6.975473	0.018584
## 5823	26	3.760345	26.447927	0.017627
## 5824	67	3.147858	12.963336	0.021204
## 5825	59	5.939126	35.345791	0.019078
## 5826	47	4.696710	22.203688	0.016848
## 5827	59	11.373030	29.963655	0.017843
## 5828	717	1.540241	7.821443	0.018826
## 5829	103	1.377197	9.244503	0.012760
## 5830	77	1.287428	11.829453	0.009953
## 5831	1890	0.671007	7.175230	0.018202
## 5832	25	2.962281	17.173119	0.015917
## 5833	179	0.283902	4.122375	0.017427
## 5834	1195	0.773972	7.193443	0.017586
## 5835	25	5.691095	38.560699	0.017073
## 5836	305	0.386227	5.490220	0.020298
## 5837	618	0.926643	7.281375	0.020696
## 5838	49	3.113917	21.933840	0.020509
## 5839	1345	0.661485	6.945271	0.020504
## 5840	453	0.477147	5.555767	0.019495
## 5841	833	0.815336	8.019578	0.018299

## 5842	603	0.796698	7.739935	0.019314
## 5843	41	1.662718	12.251358	0.014264
## 5844	157	0.576595	5.719284	0.020420
## 5845	481	0.577112	7.001696	0.020010
## 5846	26	2.995715	16.735651	0.008780
## 5847	1280	0.409657	5.219103	0.018708
## 5848	190	0.766493	5.525411	0.017086
## 5849	2039	0.977124	7.103109	0.017272
## 5850	797	0.710693	7.405213	0.017501
## 5851	1402	0.819174	7.425593	0.018068
## 5852	1309	0.882303	7.835931	0.018037
## 5853	559	1.018697	9.230475	0.015867
## 5854	212	1.219500	8.607676	0.013795
## 5855	406	0.715831	6.385641	0.015430
## 5856	1049	0.697428	6.707118	0.018526
## 5857	25	3.715576	24.760157	0.014731
## 5858	136	0.625020	7.292197	0.014720
## 5859	978	0.995789	9.154068	0.016239
## 5860	1539	0.832407	7.856388	0.017034
## 5861	266	0.942985	8.466786	0.022256
## 5862	301	0.801289	8.115717	0.018240
## 5863	161	0.567247	6.526884	0.018319
## 5864	1572	0.911054	8.137814	0.017316
## 5865	1434	0.567060	5.932578	0.018110
## 5866	345	0.628569	5.588933	0.018357
## 5867	130	2.099041	12.953715	0.021374
## 5868	1265	2.436313	11.941892	0.019643
## 5869	25	5.143888	24.941296	0.016195
## 5870	550	2.096697	12.267365	0.017535
## 5871	596	0.662361	6.374158	0.016292
## 5872	539	2.151101	12.290572	0.017951
## 5873	1875	1.218799	8.783633	0.017925
## 5874	815	1.876076	11.228599	0.015552
## 5875	144	2.136853	12.486675	0.014242
## 5876	785	1.106131	9.170239	0.017870
## 5877	124	2.544635	8.538768	0.019027
## 5878	193	4.727462	12.510007	0.019170
## 5879	1311	1.416456	8.397558	0.018775
## 5880	174	2.098407	13.840648	0.017400
## 5881	539	1.206690	9.625147	0.019731
## 5882	413	0.977021	7.182292	0.018678
## 5883	285	0.970147	9.549341	0.016798
## 5884	1297	0.818903	7.772734	0.018416
## 5885	1851	0.543141	6.265655	0.018638
## 5886	64	1.160207	6.171086	0.021830
## 5887	1332	1.637657	8.330706	0.020603
## 5888	360	0.907320	7.273055	0.016038
## 5889	903	0.639701	6.947270	0.018873
## 5890	599	0.637462	5.716466	0.020864
## 5891	144	0.893197	11.991185	0.017753
## 5892	343	0.668692	6.452991	0.019876
## 5893	1916	0.742054	7.238942	0.020242
## 5894	477	0.833117	7.602079	0.020120
## 5895	1024	0.383363	5.275284	0.019431

## 5896	2281	1.228554	8.040996	0.018446
## 5897	899	1.820417	10.697013	0.017506
## 5898	1288	0.757805	7.502832	0.016537
## 5899	864	0.790252	7.326071	0.016528
## 5900	2205	0.939573	6.929019	0.018000
## 5901	212	0.986392	6.909566	0.018091
## 5902	846	0.745178	6.851315	0.019829
## 5903	386	0.746309	6.190176	0.018483
## 5904	1893	0.715330	6.929264	0.017723
## 5905	703	1.041810	7.873902	0.016415
## 5906	176	1.311611	9.218603	0.015822
## 5907	278	1.096675	7.549620	0.014863
## 5908	614	0.821780	7.705364	0.014346
## 5909	343	0.837089	6.710134	0.015583
## 5910	52	1.025837	7.783335	0.010648
## 5911	44	2.467740	17.633537	0.011138
## 5912	73	4.539232	11.584306	0.015887
## 5913	31	2.509719	8.780883	0.016894
## 5914	91	3.769770	18.281614	0.019663
## 5915	29	1.602691	6.344428	0.019047
## 5916	189	2.332685	11.614408	0.021942
## 5917	42	1.694221	8.405926	0.017535
## 5918	25	1.459701	9.339113	0.011957
## 5919	36	5.051049	22.315346	0.017965
## 5920	25	2.923160	26.669102	0.020720
## 5921	108	1.431750	10.285676	0.023710
## 5922	90	8.029251	22.341644	0.021188
## 5923	38	5.532988	21.879225	0.006352
## 5924	51	2.118586	10.510361	0.014645
## 5925	25	3.720715	18.842646	0.002315
## 5926	32	4.581799	18.796041	0.011402
## 5927	25	1.318020	11.370403	0.011835
## 5928	29	0.045377	0.800934	0.017127
## 5929	44	1.897494	9.817827	0.016861
## 5930	33	0.131747	0.879597	0.014090
## 5931	38	7.234177	14.615594	0.016103
## 5932	93	4.511932	15.781215	0.010356
## 5933	25	5.007016	13.448404	0.011567
## 5934	131	1.556122	4.548150	0.009149
## 5935	32	0.126746	0.947098	0.007006
## 5936	223	1.987445	6.203784	0.006931
## 5937	107	0.665263	2.463762	0.011343
## 5938	68	1.469261	4.371362	0.008917
## 5939	149	0.128538	1.286783	0.010031
## 5940	31	5.134372	12.704064	0.007125
## 5941	25	1.878171	4.316553	0.003374
## 5942	32	2.509692	8.028048	0.006999
## 5943	79	2.761277	5.065773	0.004959
## 5944	34	3.788847	14.047562	0.008075
## 5945	35	2.662233	11.448059	0.004755
## 5946	41	1.964201	10.238903	0.005223
## 5947	26	3.090528	10.322388	0.003273
## 5948	25	4.567097	15.080031	0.003638
## 5949	38	2.855449	10.624346	0.002157

## 5950	124	1.021636	6.011533	0.005498
## 5951	211	2.778424	9.425882	0.011392
## 5952	47	1.010263	4.951350	0.010587
## 5953	43	1.155510	6.773956	0.008268
## 5954	45	0.325278	2.579246	0.008435
## 5955	49	1.199745	7.387911	0.009041
## 5956	28	2.851471	14.060971	0.012397
## 5957	45	1.611076	6.499939	0.006867
## 5958	25	1.116639	9.288410	0.012186
## 5959	46	0.090414	1.677466	0.016275
## 5960	29	0.306656	1.673110	0.014622
## 5961	138	0.486914	3.976328	0.012819
## 5962	31	0.148124	2.334073	0.011619
## 5963	27	2.990748	14.397559	0.011835
## 5964	25	6.537388	24.532129	0.011798
## 5965	47	2.954893	12.848051	0.014253
## 5966	33	0.067599	0.798489	0.011178
## 5967	38	2.833153	8.986240	0.007446
## 5968	39	2.340638	10.238682	0.009687
## 5969	25	1.885213	8.055540	0.007289
## 5970	68	2.119607	7.523536	0.008276
## 5971	50	4.155369	12.979942	0.016605
## 5972	39	2.932438	10.236383	0.012219
## 5973	100	3.583349	12.722677	0.013889
## 5974	26	2.518257	8.687568	0.011921
## 5975	63	1.230579	3.677268	0.009659
## 5976	42	0.622116	5.975473	0.018519
## 5977	112	0.427200	3.851552	0.018041
## 5978	52	0.472435	2.659170	0.012084
## 5979	25	3.194237	7.889245	0.015553
## 5980	25	1.134871	6.789260	0.005995
## 5981	25	5.135723	19.663454	0.017505
## 5982	28	6.287269	16.798199	0.002779
## 5983	43	2.217906	5.887341	0.008495
## 5984	38	2.554663	9.205036	0.007567
## 5985	166	1.704202	6.067369	0.009630
## 5986	49	2.210672	7.549893	0.008221
## 5987	30	0.936450	3.419383	0.008814
## 5988	168	2.461080	6.866000	0.008974
## 5989	67	4.714830	12.952213	0.005967
## 5990	139	1.069151	4.945581	0.010604
## 5991	54	1.701821	6.560200	0.011702
## 5992	77	0.075335	0.832691	0.013035
## 5993	25	3.119962	11.049686	0.010508
## 5994	25	5.440403	12.400593	0.010995
## 5995	25	1.219341	5.289560	0.010042
## 5996	43	2.558491	9.868813	0.008415
## 5997	25	2.088171	6.810815	0.008830
## 5998	44	1.582178	4.642281	0.003805
## 5999	25	1.636965	7.542478	0.004066
## 6000	64	1.096165	3.543476	0.007293
## 6001	28	1.621059	6.467594	0.009781
## 6002	54	1.331621	4.378243	0.010526
## 6003	34	2.515630	6.807985	0.012583

## 6004	94	0.906477	2.953394	0.009932
## 6005	59	0.664435	2.704049	0.009884
## 6006	25	2.001088	5.742432	0.009983
## 6007	25	0.556974	3.104577	0.007424
## 6008	25	1.589806	4.061024	0.013663
## 6009	34	2.876116	8.195107	0.011775
## 6010	25	2.624326	16.790251	0.013219
## 6011	77	0.855038	4.021835	0.005764
## 6012	94	0.243799	1.236437	0.012387
## 6013	49	0.236810	1.469321	0.018575
## 6014	79	0.063145	0.847326	0.018352
## 6015	123	0.734667	2.491575	0.019706
## 6016	203	2.807980	8.131144	0.013674
## 6017	31	1.715803	5.203419	0.011995
## 6018	34	0.842033	2.656486	0.015926
## 6019	37	2.150262	13.184696	0.015984
## 6020	47	1.189837	4.466986	0.013241
## 6021	36	1.891332	10.767630	0.010333
## 6022	80	2.102002	8.764653	0.013574
## 6023	25	0.326754	3.456037	0.015310
## 6024	2092	0.790421	6.589985	0.020179
## 6025	780	0.575389	6.172444	0.018400
## 6026	571	0.525152	5.735147	0.016551
## 6027	409	1.011524	8.263723	0.020357
## 6028	129	0.168779	3.715736	0.017805
## 6029	612	0.279256	4.244989	0.018589
## 6030	1183	0.541674	5.752176	0.020556
## 6031	383	0.929653	7.832940	0.018842
## 6032	254	0.815790	6.720494	0.018660
## 6033	533	0.937476	7.742569	0.018315
## 6034	1086	1.002226	8.200577	0.018310
## 6035	618	1.218855	9.571940	0.017020
## 6036	418	0.887605	8.426347	0.018216
## 6037	533	0.920894	8.290482	0.018746
## 6038	689	0.352872	4.348010	0.018645
## 6039	3053	0.749427	7.171276	0.018874
## 6040	423	1.525623	10.118321	0.014859
## 6041	514	1.253099	7.878505	0.016073
## 6042	347	0.839467	7.729587	0.015366
## 6043	104	0.966894	11.322936	0.015507
## 6044	2139	0.708177	6.403092	0.016781
## 6045	853	0.876975	7.812154	0.018973
## 6046	57	1.434309	13.354373	0.018872
## 6047	96	1.344872	10.893172	0.019433
## 6048	25	3.703526	16.842491	0.018211
## 6049	1832	0.785252	7.103363	0.018827
## 6050	388	1.406211	10.187273	0.017393
## 6051	1532	0.662936	6.879868	0.017825
## 6052	25	3.350395	18.137335	0.017899
## 6053	1119	0.610119	6.423867	0.020472
## 6054	666	0.742435	7.115963	0.018615
## 6055	1806	0.789413	6.951908	0.019262
## 6056	3010	0.851800	7.816863	0.017399
## 6057	1612	0.562092	6.093626	0.018812

## 6058	357	1.076251	7.290077	0.018278
## 6059	153	0.805106	10.278502	0.017944
## 6060	933	0.742240	6.538321	0.019215
## 6061	225	0.763904	4.942996	0.015404
## 6062	1853	0.902376	7.985018	0.017447
## 6063	680	0.816739	7.831003	0.017241
## 6064	2634	0.880485	7.347234	0.018352
## 6065	1154	0.640627	6.122473	0.018536
## 6066	130	1.511452	6.766160	0.022554
## 6067	301	1.563341	7.187335	0.021692
## 6068	25	2.896014	26.064123	0.009278
## 6069	1245	0.684767	5.693281	0.018690
## 6070	318	0.865052	8.012493	0.016994
## 6071	765	0.934686	7.897301	0.015837
## 6072	2839	1.012417	7.249195	0.015212
## 6073	249	0.486381	7.000459	0.018789
## 6074	879	0.734657	6.702408	0.019003
## 6075	584	0.777660	7.722550	0.020202
## 6076	209	1.231633	10.047204	0.019031
## 6077	1033	1.236305	8.332417	0.018734
## 6078	316	1.263351	8.152716	0.019989
## 6079	284	0.760690	6.828956	0.019157
## 6080	1226	0.847267	7.176399	0.017623
## 6081	33	2.025568	20.297529	0.018912
## 6082	693	0.647913	6.875175	0.018514
## 6083	25	3.115368	18.281563	0.020707
## 6084	634	0.564407	6.103894	0.018504
## 6085	53	1.087176	9.032377	0.007357
## 6086	253	1.367399	7.670020	0.018988
## 6087	374	0.868951	7.591073	0.022775
## 6088	235	3.040519	13.217411	0.016927
## 6089	43	1.657187	8.276956	0.015079
## 6090	25	1.417774	7.007655	0.009345
## 6091	36	4.885931	23.147579	0.025023
## 6092	25	2.936665	27.164352	0.022924
## 6093	119	1.334332	9.486464	0.027664
## 6094	94	7.580803	21.286266	0.013249
## 6095	25	2.705583	10.384280	0.005867
## 6096	37	2.105901	5.901266	0.010308
## 6097	25	2.692309	8.237184	0.011905
## 6098	30	1.864774	6.468755	0.014478
## 6099	25	3.890825	15.632520	0.009416
## 6100	27	1.127572	5.501267	0.009615
## 6101	46	5.257557	19.455303	0.008754
## 6102	41	5.823124	22.468733	0.016617
## 6103	25	12.664769	21.866997	0.013686
## 6104	26	1.278875	3.663687	0.016335
## 6105	42	3.302731	15.559587	0.017916
## 6106	25	5.545556	20.230257	0.015175
## 6107	43	1.839849	13.122635	0.013835
## 6108	48	0.046619	0.965941	0.018497
## 6109	32	7.911578	16.980751	0.014617
## 6110	32	0.638720	3.624131	0.014324
## 6111	27	1.481425	7.713138	0.015872

## 6112	46	3.552123	10.649973	0.013332
## 6113	36	0.145238	0.946544	0.012118
## 6114	40	0.323744	2.417311	0.015255
## 6115	63	1.567258	15.417964	0.013054
## 6116	51	4.022978	10.655621	0.012119
## 6117	55	4.941919	8.347608	0.010231
## 6118	39	2.252105	5.777782	0.008821
## 6119	38	2.145578	6.146369	0.009076
## 6120	36	2.640964	10.703310	0.008804
## 6121	39	3.658829	19.659111	0.010257
## 6122	129	0.981877	4.790298	0.012535
## 6123	50	2.097271	5.330614	0.016483
## 6124	74	2.301298	7.677455	0.013533
## 6125	25	2.559653	8.096186	0.014787
## 6126	152	1.231639	4.185755	0.014186
## 6127	25	3.956239	12.324716	0.012882
## 6128	49	3.477067	11.470051	0.017804
## 6129	25	4.108419	11.891621	0.012632
## 6130	25	4.917176	12.214688	0.016994
## 6131	41	1.719587	6.056762	0.020955
## 6132	25	2.908762	11.920532	0.016723
## 6133	36	2.380285	16.626671	0.017212
## 6134	25	1.527199	13.425202	0.016340
## 6135	34	0.173618	1.894444	0.018201
## 6136	35	4.408277	7.982136	0.018369
## 6137	45	0.597696	3.301750	0.015247
## 6138	312	1.085387	6.485509	0.019201
## 6139	173	1.292514	8.282083	0.019636
## 6140	285	0.784184	5.223821	0.019656
## 6141	1258	0.968426	6.420298	0.019522
## 6142	124	1.746156	8.829828	0.014635
## 6143	202	0.885184	7.173065	0.018584
## 6144	62	0.948034	7.773400	0.011316
## 6145	593	0.638532	7.342794	0.016972
## 6146	54	1.083978	8.286443	0.013351
## 6147	253	1.401915	8.235806	0.018265
## 6148	366	0.666871	6.403419	0.021294
## 6149	235	3.054869	13.814806	0.016146
## 6150	42	1.683737	8.521474	0.023032
## 6151	25	1.415065	6.744553	0.024142
## 6152	36	4.110980	18.808525	0.024507
## 6153	25	3.239407	29.422110	0.022773
## 6154	79	2.164252	14.104657	0.029575
## 6155	31	2.721226	8.716082	0.013888
## 6156	25	3.051094	11.312203	0.000290
## 6157	64	1.517067	5.918155	0.009457
## 6158	26	1.185679	3.211473	0.011009
## 6159	35	2.238358	9.819512	0.009844
## 6160	63	2.833773	12.016686	0.011319
## 6161	36	1.171229	2.664757	0.019466
## 6162	41	1.464812	6.245120	0.016619
## 6163	73	2.810236	7.468648	0.016156
## 6164	66	1.560569	6.188422	0.019095
## 6165	32	0.324350	8.527071	0.015501

## 6166	55	1.059400	5.589220	0.015575
## 6167	25	2.285118	19.741159	0.017684
## 6168	43	3.112136	16.417467	0.018675
## 6169	47	0.820353	4.611831	0.016233
## 6170	25	2.126733	14.563690	0.012921
## 6171	39	1.450477	10.757949	0.016765
## 6172	43	3.520006	14.741223	0.017970
## 6173	35	2.753516	12.910011	0.018721
## 6174	26	2.093150	4.941529	0.012838
## 6175	30	0.705653	3.432408	0.017139
## 6176	25	3.914211	24.658422	0.014280
## 6177	29	3.271779	19.323610	0.015982
## 6178	38	0.725487	3.515399	0.015191
## 6179	25	2.254616	15.382489	0.016269
## 6180	25	5.397837	20.411610	0.015559
## 6181	98	0.920141	4.247380	0.018102
## 6182	113	0.667736	2.477639	0.016010
## 6183	25	2.402463	13.353847	0.011197
## 6184	30	2.641207	11.521203	0.005923
## 6185	25	2.310300	13.680631	0.012301
## 6186	32	2.107758	9.541720	0.018274
## 6187	26	2.800279	16.274225	0.012408
## 6188	37	2.899955	8.992906	0.014877
## 6189	36	3.817205	15.961548	0.016942
## 6190	41	7.281091	17.464092	0.016250
## 6191	34	0.445236	7.021688	0.015199
## 6192	35	1.872331	15.571952	0.005865
## 6193	34	1.763910	11.042745	0.010964
## 6194	35	1.905089	10.386800	0.009626
## 6195	37	1.694903	11.439535	0.008379
## 6196	69	0.986153	10.247195	0.011843
## 6197	25	0.998704	4.109710	0.010038
## 6198	41	2.984245	15.913126	0.000945
## 6199	25	2.281287	11.693789	0.001598
## 6200	25	1.590448	8.483653	0.001616
## 6201	36	4.073405	16.694359	0.001723
## 6202	25	3.036211	24.831369	0.004914
## 6203	54	2.849369	7.337507	0.010532
## 6204	32	2.693383	21.704844	0.010662
## 6205	37	2.717958	12.012796	0.010868
## 6206	25	3.142636	7.997587	0.010555
## 6207	65	2.654265	13.008660	0.011837
## 6208	25	2.328615	9.010197	0.015575
## 6209	25	0.815270	5.912700	0.011509
## 6210	26	3.021866	17.264153	0.014423
## 6211	43	3.140099	9.384554	0.015505
## 6212	95	1.149777	6.633563	0.018492
## 6213	84	0.825192	3.487456	0.027570
## 6214	43	2.122447	7.075647	0.021842
## 6215	208	3.891553	10.871334	0.015639
## 6216	93	1.953493	7.179172	0.012954
## 6217	88	3.212283	9.493924	0.016584
## 6218	29	5.387349	11.663221	0.012898
## 6219	43	1.701788	6.098012	0.017613

## 6220	25	2.187987	10.292379	0.018839
## 6221	38	2.339467	17.733706	0.018999
## 6222	25	1.621221	14.929320	0.019654
## 6223	34	0.196941	2.284700	0.019149
## 6224	35	4.342867	8.544328	0.014742
## 6225	45	0.402161	3.287666	0.018512
## 6226	75	0.270825	2.573534	0.017176
## 6227	25	1.482789	12.213770	0.015032
## 6228	34	2.020624	10.833096	0.012495
## 6229	241	3.642620	12.076352	0.013609
## 6230	85	4.273564	9.906586	0.017066
## 6231	76	1.316400	7.535627	0.009654
## 6232	67	1.739362	5.612164	0.014280
## 6233	100	2.695386	10.123446	0.011848
## 6234	140	4.248616	14.036860	0.015760
## 6235	36	2.117822	12.231741	0.017263
## 6236	35	2.812177	12.238564	0.017332
## 6237	35	2.096272	7.755622	0.014961
## 6238	31	0.478843	5.671299	0.022478
## 6239	33	3.517174	12.023583	0.016548
## 6240	25	0.368772	5.737372	0.015137
## 6241	99	4.707818	11.334804	0.018374
## 6242	47	0.222262	2.971318	0.016977
## 6243	56	2.263054	11.933967	0.012101
## 6244	139	3.586525	15.806811	0.012228
## 6245	64	3.363377	13.367087	0.015939
## 6246	30	4.930580	14.767050	0.018301
## 6247	285	4.091865	12.476149	0.017389
## 6248	26	1.971535	7.960015	0.016074
## 6249	32	2.708980	8.946605	0.019398
## 6250	51	2.576600	10.581999	0.019155
## 6251	32	0.254166	0.940256	0.019963
## 6252	25	1.220080	6.346284	0.019534
## 6253	25	6.710812	18.414478	0.019563
## 6254	50	2.790478	13.167900	0.018055
## 6255	25	8.372523	22.437119	0.017131
## 6256	30	3.991657	17.208828	0.012929
## 6257	37	6.476851	20.013136	0.023856
## 6258	31	4.088181	21.489637	0.021420
## 6259	40	1.455721	7.622251	0.020512
## 6260	111	2.390836	13.383241	0.014687
## 6261	105	1.147230	14.166859	0.022342
## 6262	96	1.036775	8.806632	0.026373
## 6263	71	0.897244	10.783191	0.024473
## 6264	25	1.200812	12.490925	0.021927
## 6265	63	1.312985	13.821931	0.024898
## 6266	34	0.871195	11.232650	0.022567
## 6267	109	0.624863	7.946017	0.024452
## 6268	92	0.216429	3.527730	0.021431
## 6269	43	1.292016	14.376692	0.021932
## 6270	26	1.000495	14.947730	0.020695
## 6271	34	0.921286	12.691566	0.023351
## 6272	93	0.335408	7.296814	0.023641
## 6273	111	0.649277	8.871674	0.023642

## 6274	81	0.340829	4.273273	0.019107
## 6275	25	5.918609	54.589832	0.015866
## 6276	74	1.826816	8.254091	0.015332
## 6277	42	1.712009	8.792778	0.018183
## 6278	25	1.422753	6.869530	0.016851
## 6279	36	4.849690	23.143507	0.010655
## 6280	25	2.992369	27.352654	0.005650
## 6281	58	2.743021	17.667597	0.025909
## 6282	827	0.643552	7.427565	0.019109
## 6283	467	1.120335	10.364975	0.016386
## 6284	1012	0.610034	6.789761	0.016086
## 6285	733	0.757444	7.028208	0.012184
## 6286	615	0.517953	5.771232	0.017188
## 6287	218	1.090941	10.038709	0.016852
## 6288	264	0.548093	5.874723	0.019512
## 6289	616	1.023458	9.059752	0.018586
## 6290	25	1.433249	17.890610	0.011286
## 6291	384	0.746969	8.325805	0.020564
## 6292	116	1.093779	11.811210	0.015687
## 6293	191	0.976205	8.743505	0.019817
## 6294	858	0.689509	6.786051	0.018186
## 6295	25	3.266698	18.725948	0.010719
## 6296	153	0.357325	4.389343	0.015660
## 6297	376	1.154138	9.891155	0.013092
## 6298	1971	0.674423	6.297058	0.013723
## 6299	787	0.937553	7.423165	0.015825
## 6300	1013	0.620116	6.249905	0.018564
## 6301	25	2.804871	27.218201	0.020500
## 6302	377	1.128044	7.176077	0.016180
## 6303	135	0.714078	6.019799	0.017266
## 6304	312	0.932542	7.134052	0.018836
## 6305	25	3.016834	27.035435	0.014415
## 6306	353	0.722365	5.944361	0.017604
## 6307	279	0.990678	10.516561	0.018284
## 6308	499	1.014402	8.877612	0.017954
## 6309	595	0.630957	7.381548	0.017492
## 6310	25	2.891305	17.748022	0.008826
## 6311	355	0.474592	5.536909	0.018937
## 6312	844	0.489426	5.610705	0.017432
## 6313	1558	0.402599	5.341628	0.020220
## 6314	47	1.827342	17.767151	0.013354
## 6315	382	0.889555	6.726892	0.018230
## 6316	365	0.511688	5.665501	0.019858
## 6317	67	1.977404	5.607745	0.012906
## 6318	378	0.554102	5.315718	0.015269
## 6319	595	1.034437	7.892986	0.015522
## 6320	304	0.613297	6.822019	0.017248
## 6321	151	0.257877	3.317426	0.017441
## 6322	25	3.247447	29.556931	0.013800
## 6323	260	1.721272	8.300185	0.012395
## 6324	42	2.077874	16.974577	0.013103
## 6325	692	0.539616	5.471398	0.011835
## 6326	740	0.506412	5.790263	0.015225
## 6327	35	0.579921	7.862151	0.016167

## 6328	25	5.621617	38.150879	0.009368
## 6329	223	1.073022	4.866669	0.012385
## 6330	352	0.950557	8.630550	0.019777
## 6331	245	3.090600	13.955185	0.017563
## 6332	38	1.749918	9.105588	0.015048
## 6333	25	1.448169	6.610328	0.014842
## 6334	36	4.461019	21.362968	0.015647
## 6335	25	3.205505	28.793072	0.014080
## 6336	86	1.871609	12.717650	0.016614
## 6337	40	3.245518	15.094310	0.023809
## 6338	36	2.302701	9.308092	0.022981
## 6339	33	3.783171	14.436975	0.022154
## 6340	47	2.886916	10.032887	0.028696
## 6341	32	3.459199	16.247044	0.025721
## 6342	58	6.064911	13.443916	0.015300
## 6343	25	3.126631	16.664478	0.012858
## 6344	30	2.114151	7.246340	0.016168
## 6345	32	0.191528	1.378596	0.019233
## 6346	60	0.574454	2.957399	0.015672
## 6347	36	1.253155	8.078554	0.013402
## 6348	64	1.552466	4.752889	0.007798
## 6349	37	1.170748	5.130243	0.011145
## 6350	83	4.045644	6.869338	0.011109
## 6351	25	2.733871	8.658344	0.011310
## 6352	41	3.072543	16.263004	0.008275
## 6353	25	2.314487	11.777631	0.011233
## 6354	25	1.610851	10.014699	0.009946
## 6355	36	3.937422	15.945967	0.015056
## 6356	25	2.878540	24.581135	0.011763
## 6357	54	2.809168	7.245521	0.007685
## 6358	32	2.718463	21.420591	0.001525
## 6359	63	2.603265	10.086638	0.002716
## 6360	65	2.567006	12.886868	0.010027
## 6361	25	2.303659	9.004596	0.008658
## 6362	25	2.395568	9.415401	0.008116
## 6363	26	3.311026	17.833015	0.008789
## 6364	43	2.310002	6.484270	0.010028
## 6365	95	1.119723	6.431675	0.012443
## 6366	84	0.074079	1.071570	0.014026
## 6367	43	2.052032	7.166320	0.016179
## 6368	53	13.960410	17.636728	0.020673
## 6369	72	1.440869	5.595661	0.025349
## 6370	50	0.779444	2.598200	0.016703
## 6371	37	2.188293	5.182452	0.024377
## 6372	82	4.688805	8.869676	0.014183
## 6373	40	1.431474	9.405015	0.009933
## 6374	34	8.546836	13.382995	0.012046
## 6375	124	0.935442	5.606704	0.019326
## 6376	56	2.076698	10.474183	0.016988
## 6377	96	3.338290	14.871816	0.015434
## 6378	42	2.714470	12.382480	0.013354
## 6379	95	3.498644	12.933124	0.013464
## 6380	182	3.925928	10.477308	0.015848
## 6381	102	4.084703	13.603226	0.016317

## 6382	26	1.944041	7.976423	0.008230
## 6383	32	0.991289	3.536273	0.011683
## 6384	37	2.662978	10.109686	0.011801
## 6385	46	1.097919	6.758923	0.013369
## 6386	25	0.740341	4.419259	0.016606
## 6387	27	0.673923	2.853492	0.016883
## 6388	210	2.125672	6.697846	0.018343
## 6389	59	0.633794	2.397243	0.007446
## 6390	50	0.398465	1.719182	0.009950
## 6391	148	0.849915	3.548099	0.013122
## 6392	170	1.288956	3.840712	0.012377
## 6393	237	1.444473	2.954688	0.008409
## 6394	90	0.896617	3.428472	0.012638
## 6395	25	3.924127	27.020124	0.016814
## 6396	82	5.240969	13.819643	0.020874
## 6397	81	3.171089	12.819648	0.018876
## 6398	85	4.885981	11.254147	0.013751
## 6399	143	1.350191	6.753729	0.016012
## 6400	131	4.144380	15.148074	0.010424
## 6401	65	3.505838	11.082167	0.013451
## 6402	40	4.358797	13.330984	0.008977
## 6403	40	3.217188	11.367600	0.013140
## 6404	25	4.444720	11.454246	0.012882
## 6405	25	0.662528	8.696029	0.012492
## 6406	44	3.993267	10.243849	0.013357
## 6407	29	6.404661	14.052890	0.013207
## 6408	37	1.349836	9.364050	0.014845
## 6409	30	3.312440	9.249230	0.017225
## 6410	101	1.474657	7.444616	0.012952
## 6411	108	9.310705	10.624159	0.010298
## 6412	136	1.509703	4.573976	0.018701
## 6413	127	2.484713	7.316439	0.015516
## 6414	57	4.891506	11.794852	0.009507
## 6415	51	4.119559	12.166789	0.014852
## 6416	38	1.699576	5.822778	0.007518
## 6417	39	1.917721	6.276943	0.012672
## 6418	70	1.018001	3.972248	0.008855
## 6419	233	2.035336	7.339015	0.008063
## 6420	130	0.575323	1.975201	0.018199
## 6421	56	2.281245	11.943450	0.014030
## 6422	38	2.871217	16.151121	0.012781
## 6423	100	3.575808	14.536283	0.003737
## 6424	95	3.626424	13.538318	0.001680
## 6425	285	4.091204	12.442136	0.018495
## 6426	26	1.951636	7.869510	0.014759
## 6427	32	1.106560	3.776067	0.016943
## 6428	51	2.518188	10.363648	0.013504
## 6429	32	0.297889	2.409239	0.012793
## 6430	25	3.571341	11.109121	0.014578
## 6431	25	2.217587	18.783131	0.014814
## 6432	52	4.712909	11.655299	0.020860
## 6433	45	3.970753	12.189260	0.018884
## 6434	59	5.061601	12.423237	0.021686
## 6435	52	3.650217	10.545615	0.019068

## 6436	43	2.519570	15.828916	0.017686
## 6437	110	3.141463	9.601608	0.011858
## 6438	53	2.301047	7.138058	0.015790
## 6439	28	0.867051	3.114567	0.014465
## 6440	58	3.430390	10.773797	0.015058
## 6441	54	2.508948	8.994426	0.007246
## 6442	34	0.982639	3.442178	0.007510
## 6443	50	2.602767	13.197851	0.012725
## 6444	36	3.668968	12.741880	0.010361
## 6445	124	0.250680	2.109883	0.014844
## 6446	80	1.905198	7.993560	0.015703
## 6447	79	0.999648	3.915395	0.015015
## 6448	25	8.099061	23.043858	0.007698
## 6449	27	3.384093	18.658140	0.014587
## 6450	55	8.095295	23.182405	0.015357
## 6451	26	4.377567	18.944294	0.018430
## 6452	33	4.544807	25.866640	0.016521
## 6453	77	2.485115	10.783915	0.016918
## 6454	118	2.601079	8.427558	0.019158
## 6455	131	4.864765	11.947456	0.020829
## 6456	41	0.440132	2.608855	0.010946
## 6457	32	8.104197	27.197094	0.011428
## 6458	43	6.651191	16.109846	0.011368
## 6459	28	3.936739	10.201383	0.006997
## 6460	100	1.235965	5.512673	0.014662
## 6461	30	2.065696	4.489267	0.010015
## 6462	144	3.174876	12.034260	0.018966
## 6463	69	5.226214	13.059063	0.017534
## 6464	109	2.056044	11.817860	0.019941
## 6465	105	0.791954	10.294598	0.019276
## 6466	96	1.086910	9.917865	0.021267
## 6467	94	0.734198	9.096669	0.021455
## 6468	101	1.235660	13.561466	0.027108
## 6469	104	0.356301	5.473022	0.025086
## 6470	97	0.711864	7.341239	0.024578
## 6471	43	0.622893	7.717817	0.024692
## 6472	26	0.788451	13.057618	0.019707
## 6473	34	0.876318	12.522871	0.021842
## 6474	93	0.324626	7.078392	0.021901
## 6475	111	0.698784	9.512867	0.023890
## 6476	81	0.314895	3.303646	0.022895
## 6477	25	4.214108	51.498501	0.024117
## 6478	67	1.814108	8.431791	0.021541
## 6479	41	1.694149	9.472152	0.023108
## 6480	25	3.010008	17.655767	0.019756
## 6481	36	4.203337	19.203026	0.015282
## 6482	25	2.937335	26.991133	0.015356
## 6483	68	2.320032	15.449023	0.013508
## 6484	1122	0.462243	5.342787	0.018240
## 6485	793	0.612240	6.321026	0.016264
## 6486	639	0.773932	6.938837	0.012654
## 6487	109	0.252297	3.822354	0.010328
## 6488	29	2.008181	23.214314	0.009685
## 6489	201	1.021675	7.242669	0.014321

## 6490	62	2.240424	19.403908	0.015630
## 6491	687	0.692397	6.010493	0.014839
## 6492	469	0.574096	5.823189	0.009859
## 6493	325	0.785905	8.861651	0.010969
## 6494	1535	0.758395	7.358796	0.016217
## 6495	1110	1.019544	8.357962	0.017263
## 6496	436	0.508071	6.567109	0.017044
## 6497	37	3.504319	25.375904	0.016213
## 6498	426	0.594854	6.484990	0.014204
## 6499	892	0.759016	7.669955	0.012001
## 6500	418	0.958244	8.561238	0.012787
## 6501	445	0.529111	6.337991	0.013843
## 6502	554	1.400540	9.416752	0.016127
## 6503	221	0.781275	8.471941	0.014643
## 6504	384	1.043440	9.052772	0.018618
## 6505	554	0.878481	7.866476	0.018343
## 6506	134	1.158875	10.413753	0.018354
## 6507	206	0.983594	8.079732	0.013905
## 6508	816	0.610148	6.615542	0.016894
## 6509	25	4.247767	31.334072	0.015957
## 6510	1236	0.850166	6.967326	0.016225
## 6511	656	0.579035	6.468685	0.019350
## 6512	42	1.828963	9.399786	0.018363
## 6513	25	1.420949	6.810665	0.015354
## 6514	36	4.129522	18.813831	0.018612
## 6515	25	2.892414	26.576572	0.014221
## 6516	76	2.169752	13.790476	0.015616
## 6517	25	3.704656	27.979473	0.014537
## 6518	42	2.948446	23.691177	0.015765
## 6519	44	1.605506	10.704639	0.014994
## 6520	28	5.176476	37.574501	0.011079
## 6521	68	0.802697	6.019048	0.017632
## 6522	66	2.114146	16.391806	0.027282
## 6523	82	0.932219	10.069364	0.022881
## 6524	25	1.526444	11.898286	0.001665
## 6525	31	2.865862	15.222303	0.017490
## 6526	202	4.413363	16.480032	0.018604
## 6527	254	0.731448	6.184726	0.018348
## 6528	77	1.039012	3.328078	0.017775
## 6529	46	0.808949	11.824552	0.015967
## 6530	124	1.018286	5.997375	0.017120
## 6531	46	0.661459	3.465056	0.012189
## 6532	32	2.126470	10.210553	0.013478
## 6533	44	0.539497	7.494601	0.010066
## 6534	27	3.152646	10.128547	0.001547
## 6535	96	1.679025	7.275229	0.012231
## 6536	124	0.351376	2.311760	0.011331
## 6537	41	0.532883	2.558803	0.005438
## 6538	25	2.159243	16.446978	0.013802
## 6539	26	0.229245	1.616679	0.016303
## 6540	29	0.223793	1.454359	0.008232
## 6541	124	0.748231	3.974513	0.019364
## 6542	25	3.113089	19.707397	0.020439
## 6543	27	1.271896	3.608884	0.004998

## 6544	34	0.357253	2.333693	0.006820
## 6545	59	0.858814	3.979309	0.007249
## 6546	36	2.955472	11.103583	0.007947
## 6547	63	0.297105	1.906313	0.010267
## 6548	37	1.212105	5.401573	0.007173
## 6549	86	5.170312	8.135013	0.012795
## 6550	48	0.105242	1.971843	0.005945
## 6551	29	0.311587	1.796935	0.013501
## 6552	138	0.780445	5.553279	0.013290
## 6553	31	0.361819	2.841615	0.015610
## 6554	146	1.052211	6.362918	0.014001
## 6555	537	1.212836	6.617173	0.012693
## 6556	34	2.460836	13.239817	0.015458
## 6557	25	2.379644	24.234922	0.012180
## 6558	68	0.974611	4.999241	0.014766
## 6559	59	2.101556	9.096902	0.010741
## 6560	31	1.345303	5.538485	0.014179
## 6561	41	3.537219	9.192112	0.016224
## 6562	202	1.795935	7.674362	0.015428
## 6563	44	2.037028	7.874672	0.015442
## 6564	45	0.717794	3.021800	0.014600
## 6565	31	7.040332	18.982430	0.009289
## 6566	40	1.361882	8.687078	0.009777
## 6567	81	2.974566	9.055599	0.009724
## 6568	172	3.377450	8.709849	0.014798
## 6569	53	0.134426	1.388181	0.015794
## 6570	44	1.311512	5.396248	0.016107
## 6571	50	2.457223	6.801387	0.009004
## 6572	51	2.090474	9.580921	0.018074
## 6573	36	2.385760	8.046627	0.016211
## 6574	57	0.768316	5.684062	0.013132
## 6575	54	1.013884	3.484135	0.017338
## 6576	25	2.634593	23.906338	0.014702
## 6577	35	1.905897	26.016571	0.016750
## 6578	31	0.484944	5.112639	0.012430
## 6579	37	1.244429	4.099444	0.010637
## 6580	47	1.014455	4.251489	0.010187
## 6581	38	0.585488	3.448956	0.012257
## 6582	25	0.274102	1.486158	0.008079
## 6583	36	0.161575	2.126369	0.010987
## 6584	27	5.516335	19.063932	0.015957
## 6585	25	4.370215	19.986526	0.016852
## 6586	36	0.185384	1.995065	0.006883
## 6587	26	6.774665	12.482219	0.004804
## 6588	39	0.577816	4.198155	0.016335
## 6589	95	2.252715	19.279863	0.016267
## 6590	102	1.074743	5.069287	0.010278
## 6591	346	0.551811	3.473726	0.016481
## 6592	86	0.210149	3.250464	0.015864
## 6593	53	1.715396	9.863832	0.015900
## 6594	27	4.738212	27.639479	0.013761
## 6595	25	3.851176	14.589629	0.015323
## 6596	26	4.419749	20.729391	0.012229
## 6597	73	1.077130	8.386774	0.016215

## 6598	25	1.915588	22.247269	0.015468
## 6599	33	1.837254	8.246753	0.015720
## 6600	47	1.029220	4.424539	0.017353
## 6601	48	1.887769	7.218528	0.015375
## 6602	83	1.750442	5.512969	0.017533
## 6603	49	2.037287	12.737099	0.020239
## 6604	110	1.762095	6.406578	0.025361
## 6605	72	2.301951	8.965448	0.021547
## 6606	110	1.503091	9.097228	0.022566
## 6607	49	1.003892	4.577611	0.023729
## 6608	33	0.782767	2.947917	0.023251
## 6609	69	1.218108	4.344640	0.021635
## 6610	68	1.492276	10.572105	0.020037
## 6611	116	0.236606	4.101358	0.021770
## 6612	31	1.295970	5.566352	0.015877
## 6613	25	7.607723	28.401333	0.021643
## 6614	27	7.374251	15.141171	0.018291
## 6615	30	14.504160	30.624660	0.020120
## 6616	44	4.968155	18.649860	0.020463
## 6617	25	2.622558	18.539492	0.015453
## 6618	86	0.667033	4.505822	0.021397
## 6619	90	0.927398	4.081925	0.022970
## 6620	39	3.940755	19.742777	0.019076
## 6621	114	2.164414	10.444195	0.019613
## 6622	328	2.285714	9.105258	0.020848
## 6623	33	2.688767	13.518550	0.024098
## 6624	345	1.354860	6.611979	0.019583
## 6625	65	3.772943	17.593662	0.017154
## 6626	52	2.256232	7.456067	0.009237
## 6627	27	7.201508	20.478025	0.008466
## 6628	33	6.531855	21.360336	0.024981
## 6629	25	5.666896	37.556705	0.025712
## 6630	197	2.704027	11.389596	0.022076
## 6631	249	2.882029	10.928456	0.017595
## 6632	25	4.465007	31.564035	0.006267
## 6633	75	6.004898	28.554148	0.014664
## 6634	87	6.565986	22.722223	0.018640
## 6635	70	5.530874	17.103569	0.014292
## 6636	26	4.820531	33.295715	0.010443
## 6637	25	6.895834	30.517998	0.017216
## 6638	25	6.628071	33.497349	0.012359
## 6639	67	8.070324	21.264870	0.013483
## 6640	79	1.963926	6.920174	0.006419
## 6641	73	2.656870	13.209320	0.007831
## 6642	42	1.276645	6.717575	0.011687
## 6643	147	3.446403	17.664917	0.018188
## 6644	58	0.884246	5.572612	0.009716
## 6645	39	7.098028	21.099367	0.006982
## 6646	212	4.085677	17.654821	0.018269
## 6647	94	4.210047	21.797512	0.007980
## 6648	305	3.673389	15.857212	0.016893
## 6649	25	2.049328	23.997309	0.016459
## 6650	120	1.554859	9.047950	0.019896
## 6651	46	4.971042	11.219639	0.017612

## 6652	39	0.675285	7.095792	0.015476
## 6653	32	0.572427	5.264310	0.007464
## 6654	31	0.516935	4.880772	0.015104
## 6655	72	0.533671	5.793611	0.018760
## 6656	277	6.321715	22.112154	0.021638
## 6657	25	7.975712	25.672836	0.016493
## 6658	134	5.061009	19.511837	0.015976
## 6659	229	3.985994	18.512360	0.016572
## 6660	367	3.993156	15.255212	0.015879
## 6661	172	4.096229	15.440009	0.012173
## 6662	198	2.832452	12.822270	0.014524
## 6663	158	0.788276	5.775753	0.014684
## 6664	25	2.951374	34.640274	0.017393
## 6665	958	3.368376	13.607863	0.013260
## 6666	181	3.569598	13.651177	0.015631
## 6667	844	1.286129	6.786531	0.015303
## 6668	28	1.815534	28.019796	0.012588
## 6669	52	0.604764	6.555266	0.015850
## 6670	25	1.256684	10.197286	0.016483
## 6671	37	0.590759	5.901277	0.014312
## 6672	272	6.712411	23.062109	0.016969
## 6673	321	6.231938	22.381392	0.015781
## 6674	73	7.677316	29.810472	0.014447
## 6675	104	5.966762	18.625862	0.014742
## 6676	54	5.812051	14.665577	0.016152
## 6677	125	5.654711	23.662689	0.015637
## 6678	188	6.004811	19.854418	0.017842
## 6679	178	6.749792	25.756937	0.016785
## 6680	28	7.763069	24.081518	0.014086
## 6681	145	4.279604	19.016924	0.015876
## 6682	64	1.847980	7.488677	0.015863
## 6683	836	0.569876	3.980635	0.015065
## 6684	56	1.047738	6.642064	0.013813
## 6685	247	0.545472	5.334465	0.016234
## 6686	264	3.615659	13.700500	0.015916
## 6687	48	0.151831	2.390281	0.012836
## 6688	27	4.880915	27.160738	0.012027
## 6689	25	3.740666	18.337862	0.014852
## 6690	26	6.238334	25.975241	0.019367
## 6691	73	1.110963	8.454363	0.015308
## 6692	25	1.989362	23.054054	0.014595
## 6693	33	1.911226	8.369447	0.017109
## 6694	47	2.284179	9.471996	0.018632
## 6695	48	0.877389	3.736749	0.017083
## 6696	83	1.763577	5.582778	0.014784
## 6697	49	2.794738	16.133543	0.009968
## 6698	110	1.794782	6.594213	0.016824
## 6699	71	2.209226	7.897853	0.027350
## 6700	111	1.571438	9.543185	0.023394
## 6701	49	0.985171	4.599431	0.022916
## 6702	33	2.316876	7.838874	0.021124
## 6703	69	1.211202	4.386984	0.025324
## 6704	68	0.416640	7.841403	0.024044
## 6705	106	1.030864	6.700694	0.022245

## 6706	103	2.639503	16.000027	0.023137
## 6707	115	2.700512	8.280718	0.022254
## 6708	423	1.733633	8.710206	0.019879
## 6709	34	1.616862	9.202368	0.011111
## 6710	38	5.765376	14.758028	0.012155
## 6711	52	3.158493	11.723749	0.014429
## 6712	53	2.588005	10.919627	0.012905
## 6713	51	3.884999	16.057663	0.016598
## 6714	50	3.560973	18.296396	0.006187
## 6715	56	4.293090	16.377174	0.011464
## 6716	80	1.777418	14.090932	0.008510
## 6717	106	3.907753	11.899011	0.014362
## 6718	169	2.888848	11.952453	0.011028
## 6719	257	0.504771	8.348517	0.016295
## 6720	357	1.768611	9.183957	0.018976
## 6721	75	4.385019	22.970598	0.015231
## 6722	54	1.832571	6.857783	0.018067
## 6723	65	1.600594	6.696280	0.015626
## 6724	60	9.301970	27.481274	0.013436
## 6725	52	5.280100	21.635204	0.024127
## 6726	42	5.059170	12.341109	0.022718
## 6727	58	0.236400	4.060258	0.022441
## 6728	130	2.162663	11.202159	0.020663
## 6729	54	2.196411	6.256481	0.016934
## 6730	139	2.628314	12.374448	0.014673
## 6731	105	0.786186	8.712281	0.013270
## 6732	77	2.245291	12.705285	0.018065
## 6733	171	5.217844	28.477104	0.010746
## 6734	56	7.571158	30.765360	0.016810
## 6735	2695	7.003465	19.716986	0.014997
## 6736	91	3.214668	18.180229	0.016646
## 6737	156	5.375309	16.631994	0.014297
## 6738	529	5.399067	26.671452	0.013536
## 6739	434	3.991311	21.858410	0.012388
## 6740	31	2.194208	24.394146	0.014646
## 6741	89	3.887232	14.093082	0.010519
## 6742	66	3.654415	14.813144	0.011449
## 6743	40	3.807502	16.854305	0.009326
## 6744	132	0.817612	9.333984	0.010436
## 6745	145	2.910822	13.735242	0.010184
## 6746	58	1.144262	9.856649	0.009374
## 6747	110	4.867251	24.450996	0.013853
## 6748	66	2.161498	19.043373	0.013851
## 6749	72	3.934626	18.975689	0.012930
## 6750	25	0.659582	7.241141	0.009068
## 6751	29	0.720745	7.834778	0.014276
## 6752	25	1.624258	11.231768	0.010200
## 6753	93	3.246311	15.763567	0.014295
## 6754	64	0.820895	7.493731	0.013555
## 6755	94	9.053382	37.546124	0.012788
## 6756	30	3.697939	15.405851	0.017244
## 6757	45	5.596738	17.490005	0.017154
## 6758	88	5.065332	16.871244	0.014785
## 6759	153	3.686763	14.858060	0.014011

## 6760	36	3.439911	18.136417	0.016491
## 6761	196	2.003999	6.286880	0.020257
## 6762	38	3.844410	19.714886	0.019019
## 6763	79	3.203244	14.509644	0.018206
## 6764	28	0.892056	3.622383	0.017881
## 6765	112	3.107580	11.558913	0.015444
## 6766	50	4.948797	11.236228	0.015497
## 6767	25	3.118636	22.270201	0.017624
## 6768	25	2.884901	12.228469	0.013242
## 6769	58	1.911787	6.323581	0.016913
## 6770	28	1.342515	12.711625	0.008991
## 6771	60	1.005883	3.883404	0.015037
## 6772	67	1.924572	6.245279	0.011432
## 6773	28	3.236458	16.971960	0.005619
## 6774	27	2.595882	22.416380	0.013944
## 6775	27	0.082970	0.532669	0.024712
## 6776	31	3.360740	10.801511	0.024291
## 6777	25	0.277289	2.000979	0.023053
## 6778	32	0.653262	4.671149	0.026389
## 6779	114	0.450991	4.302762	0.006320
## 6780	48	1.030215	4.785754	0.007111
## 6781	29	0.291247	1.554698	0.014244
## 6782	138	0.446080	3.669497	0.014216
## 6783	31	0.175146	2.706777	0.014169
## 6784	45	3.260640	14.704985	0.009831
## 6785	42	2.410169	13.040414	0.012911
## 6786	29	1.626048	9.205221	0.013215
## 6787	25	4.984571	23.688261	0.010012
## 6788	39	1.940659	6.217561	0.019582
## 6789	63	6.723742	18.922211	0.011007
## 6790	55	1.131144	6.681366	0.006971
## 6791	41	3.993708	23.760574	0.014528
## 6792	27	1.500300	4.921985	0.016495
## 6793	47	0.880718	4.209917	0.005602
## 6794	25	1.229926	8.620044	0.015182
## 6795	39	1.461603	12.340397	0.012291
## 6796	769	3.631644	14.644563	0.017333
## 6797	194	3.053075	12.085746	0.014640
## 6798	207	1.211936	9.113871	0.016018
## 6799	93	2.975054	12.284870	0.017108
## 6800	797	0.496393	4.515128	0.015744
## 6801	397	0.451860	4.555777	0.013803
## 6802	90	3.546295	21.650572	0.018604
## 6803	222	6.950713	32.169266	0.020210
## 6804	678	1.934947	10.318572	0.017341
## 6805	141	5.392879	19.823704	0.017733
## 6806	151	2.846755	12.864013	0.018773
## 6807	348	2.978275	13.519344	0.014680
## 6808	34	2.124407	10.717071	0.011008
## 6809	251	4.852611	11.806068	0.018471
## 6810	118	5.326926	16.045046	0.014390
## 6811	136	5.921284	17.971701	0.007248
## 6812	100	1.252685	9.594036	0.016458
## 6813	32	0.817491	6.168608	0.016867

## 6814	105	1.073860	4.915440	0.017237
## 6815	127	0.614730	3.782183	0.014569
## 6816	179	6.112101	22.446493	0.017653
## 6817	61	1.433205	6.363750	0.019033
## 6818	98	1.600094	7.389577	0.015354
## 6819	76	5.167702	15.841006	0.005726
## 6820	55	1.122129	8.895836	0.017877
## 6821	69	3.315231	16.543732	0.014049
## 6822	37	3.279257	20.211075	0.014642
## 6823	111	0.978221	9.801028	0.021453
## 6824	106	7.654076	28.865688	0.021120
## 6825	124	4.684375	29.858299	0.022991
## 6826	40	9.054392	23.265448	0.018394
## 6827	45	4.304516	19.660042	0.021528
## 6828	25	3.058386	22.860693	0.026391
## 6829	75	1.755562	6.345105	0.028441
## 6830	26	2.670658	18.349524	0.018010
## 6831	26	2.693896	24.582928	0.012303
## 6832	25	1.825412	19.617672	0.013535
## 6833	31	4.703731	29.074347	0.017436
## 6834	25	4.221899	33.667130	0.014139
## 6835	43	3.705999	13.849863	0.016482
## 6836	25	1.497518	14.419945	0.015618
## 6837	58	1.759677	11.078872	0.018434
## 6838	114	0.477858	4.919219	0.018031
## 6839	114	1.794512	11.470737	0.017113
## 6840	151	1.329784	9.111903	0.015830
## 6841	103	0.487150	4.784502	0.015444
## 6842	25	3.205283	21.804991	0.015660
## 6843	27	3.142992	9.013459	0.005357
## 6844	34	0.609240	3.579807	0.011485
## 6845	59	1.084631	5.193522	0.013112
## 6846	36	1.706316	8.241191	0.013506
## 6847	63	1.544459	6.395281	0.014574
## 6848	37	1.215823	5.455526	0.006994
## 6849	86	4.194353	6.444969	0.015757
## 6850	55	1.711712	9.842267	0.014549
## 6851	41	3.519026	21.649132	0.019364
## 6852	27	1.468139	4.833090	0.018246
## 6853	47	0.904823	4.319259	0.017958
## 6854	25	1.199693	11.254827	0.014262
## 6855	39	2.291437	16.044577	0.015027
## 6856	43	3.651091	15.490619	0.017019
## 6857	35	2.659047	13.852358	0.021210
## 6858	26	2.171398	5.209613	0.017270
## 6859	30	0.740971	3.721436	0.014521
## 6860	25	4.157432	28.315496	0.016206
## 6861	29	3.460433	21.185024	0.015504
## 6862	38	0.808372	3.966641	0.016572
## 6863	25	2.315566	14.028606	0.015312
## 6864	25	4.559922	17.452309	0.017245
## 6865	98	1.223727	6.344595	0.018639
## 6866	113	0.730404	2.805548	0.021176
## 6867	143	5.700388	19.365524	0.009966

## 6868	25	4.959506	14.176540	0.013160
## 6869	131	1.994777	6.424942	0.010303
## 6870	32	0.172979	1.270470	0.007276
## 6871	223	2.061954	6.763669	0.009214
## 6872	107	1.198329	3.925931	0.014288
## 6873	68	0.475307	2.069294	0.010087
## 6874	25	2.941989	6.433895	0.010060
## 6875	123	0.248277	1.953561	0.012115
## 6876	31	1.276800	5.687481	0.005703
## 6877	41	4.601244	11.136878	0.008428
## 6878	203	1.616813	7.118435	0.013588
## 6879	44	2.038725	7.579016	0.006873
## 6880	45	0.738014	3.302082	0.019634
## 6881	30	7.147120	19.626472	0.015565
## 6882	106	1.182413	6.574631	0.004247
## 6883	35	5.204699	38.020267	0.013415
## 6884	497	2.977982	13.588577	0.010803
## 6885	103	2.326242	13.553968	0.017104
## 6886	904	2.065937	12.684323	0.015183
## 6887	641	2.035342	11.545353	0.016817
## 6888	405	2.111073	15.009563	0.011804
## 6889	59	2.899371	17.302114	0.011044
## 6890	546	1.474243	9.756865	0.016810
## 6891	293	2.874594	16.715162	0.017133
## 6892	257	1.649016	13.511828	0.018702
## 6893	1193	1.361716	9.121402	0.016184
## 6894	25	6.117421	30.895979	0.021220
## 6895	66	0.858197	6.862122	0.019075
## 6896	500	2.302418	11.375295	0.010542
## 6897	532	2.079200	10.364840	0.012280
## 6898	122	2.337694	10.214298	0.008308
## 6899	954	1.270496	8.132012	0.007500
## 6900	568	1.295547	7.291114	0.016159
## 6901	139	1.074082	6.981351	0.014361
## 6902	27	5.687861	39.763786	0.003917
## 6903	34	5.537363	20.604706	0.015510
## 6904	27	4.052288	21.356449	0.009627
## 6905	25	4.694079	18.959301	0.014376
## 6906	118	1.041679	8.885158	0.013771
## 6907	32	3.321215	19.327065	0.014895
## 6908	106	0.974208	4.565437	0.015669
## 6909	35	2.145449	18.584589	0.015306
## 6910	56	0.756944	3.710402	0.015479
## 6911	25	1.767015	12.394992	0.013821
## 6912	33	2.360243	13.286079	0.013297
## 6913	38	1.840031	8.687824	0.014629
## 6914	25	1.650674	9.276681	0.016952
## 6915	53	2.118021	10.204178	0.015022
## 6916	64	1.216104	7.446509	0.015418
## 6917	99	1.139471	5.431274	0.015180
## 6918	55	1.667095	7.489989	0.015773
## 6919	25	0.565722	2.593604	0.013607
## 6920	150	1.515254	8.092399	0.016369
## 6921	134	1.545388	8.498281	0.014668

## 6922	25	6.290501	35.533302	0.010944
## 6923	25	4.814538	18.155251	0.011653
## 6924	25	7.505648	30.850567	0.014332
## 6925	25	3.853899	16.964901	0.011869
## 6926	92	0.601510	5.354917	0.014546
## 6927	94	5.923597	17.287212	0.008855
## 6928	37	4.212584	13.271147	0.011789
## 6929	25	4.966267	13.458859	0.002997
## 6930	131	1.872008	5.625470	0.009388
## 6931	32	0.633363	2.543880	0.009640
## 6932	223	1.869067	5.705016	0.007905
## 6933	107	0.788443	2.674578	0.011259
## 6934	68	0.367276	1.751260	0.011055
## 6935	25	0.181616	1.328865	0.010763
## 6936	123	0.514304	2.156482	0.008620
## 6937	88	8.769805	22.177916	0.006984
## 6938	38	5.081080	20.765944	0.014962
## 6939	51	2.306812	11.990878	0.005780
## 6940	25	3.676311	19.573845	0.014839
## 6941	32	4.605729	19.718678	0.011404
## 6942	25	2.304145	11.903406	0.019359
## 6943	29	0.067904	0.938704	0.018154
## 6944	44	2.099013	10.335244	0.014714
## 6945	33	0.177039	0.941088	0.016446
## 6946	37	2.658093	13.680502	0.014401
## 6947	36	1.324038	4.903593	0.010769
## 6948	33	2.544570	12.491133	0.015376
## 6949	46	2.935532	9.693216	0.016064
## 6950	25	2.210208	12.822973	0.015126
## 6951	66	6.111960	15.907482	0.019572
## 6952	144	4.100130	11.002180	0.012485
## 6953	110	5.017434	16.287077	0.013560
## 6954	158	3.548747	8.968085	0.014152
## 6955	25	2.538538	9.160987	0.019465
## 6956	42	2.647804	7.671901	0.018763
## 6957	25	1.781960	6.731892	0.019361
## 6958	38	2.326164	16.318863	0.023246
## 6959	25	1.703315	14.942126	0.019847
## 6960	34	0.204871	2.266187	0.021190
## 6961	35	4.389728	8.564889	0.017415
## 6962	45	0.164979	0.875306	0.019876
## 6963	57	0.330552	2.480671	0.018963
## 6964	25	3.224078	20.895203	0.018206
## 6965	27	2.014002	6.341308	0.015171
## 6966	34	0.438362	2.809911	0.005683
## 6967	59	1.409328	5.842994	0.012192
## 6968	36	1.750917	9.189088	0.011174
## 6969	63	0.300158	2.396008	0.012301
## 6970	37	1.226019	5.319037	0.015531
## 6971	86	4.735783	6.204148	0.011823
## 6972	118	2.189876	7.191710	0.013519
## 6973	131	4.994321	12.242637	0.012005
## 6974	41	0.646925	3.627053	0.008583
## 6975	35	8.278209	26.643597	0.011244

## 6976	40	6.137042	13.954023	0.016155
## 6977	28	4.196381	12.044448	0.022178
## 6978	100	1.286191	5.538865	0.014508
## 6979	34	0.469481	7.297144	0.023538
## 6980	35	1.913641	16.177809	0.015305
## 6981	34	1.655166	11.063519	0.009890
## 6982	35	1.841021	10.638066	0.012278
## 6983	37	1.704149	11.661116	0.011033
## 6984	66	0.325895	6.689898	0.011059
## 6985	69	1.247226	12.286786	0.011822
## 6986	27	4.595339	28.334913	0.001222
## 6987	25	4.146101	15.804094	0.005988
## 6988	26	4.721032	22.257351	0.024026
## 6989	72	1.133832	8.591513	0.026136
## 6990	25	2.128680	25.208803	0.023837
## 6991	34	1.864783	8.213586	0.021190
## 6992	47	1.042536	4.427484	0.021036
## 6993	48	0.938142	4.466693	0.021976
## 6994	83	2.209621	6.982459	0.023886
## 6995	49	2.172475	13.490456	0.024618
## 6996	110	3.110657	7.335425	0.023969
## 6997	72	1.694054	6.412390	0.021793
## 6998	110	1.490882	9.125180	0.022742
## 6999	49	1.032477	5.323686	0.022087
## 7000	33	0.799795	3.407948	0.020075
## 7001	68	1.254479	5.070599	0.022235
## 7002	69	0.459833	8.444464	0.021741
## 7003	118	0.288201	4.410003	0.022881
## 7004	91	1.047969	7.676355	0.020649
## 7005	510	1.750713	9.863927	0.015567
## 7006	35	4.634527	35.370537	0.014038
## 7007	497	2.549965	12.608059	0.011881
## 7008	80	2.293074	10.893456	0.005518
## 7009	25	2.238359	21.652855	0.017487
## 7010	901	2.097517	13.097940	0.016430
## 7011	641	2.174417	12.211466	0.017181
## 7012	405	2.225671	15.524912	0.012445
## 7013	112	1.835238	11.431277	0.014921
## 7014	499	2.210393	12.311526	0.015626
## 7015	778	2.006462	10.034038	0.016750
## 7016	130	3.228653	20.362284	0.010612
## 7017	515	1.572939	12.074408	0.018168
## 7018	641	2.037813	11.844562	0.015355
## 7019	361	2.807415	16.120909	0.014220
## 7020	43	2.734795	20.424356	0.015080
## 7021	919	2.282528	13.509820	0.014924
## 7022	641	2.321037	12.207646	0.016973
## 7023	361	3.038196	16.303453	0.015061
## 7024	43	2.453775	19.528147	0.020442
## 7025	85	2.020024	12.226451	0.014588
## 7026	112	2.663246	10.874482	0.013149
## 7027	32	1.540607	14.141688	0.009999
## 7028	262	2.403618	11.143635	0.019075
## 7029	25	5.953729	30.040668	0.015577

## 7030	81	0.801383	6.050673	0.010596
## 7031	596	1.931645	9.923778	0.013653
## 7032	25	3.278679	26.312988	0.007585
## 7033	630	2.864746	11.044983	0.013099
## 7034	709	2.729016	12.490523	0.009990
## 7035	47	4.842636	17.373854	0.012127
## 7036	173	2.561236	16.337820	0.008583
## 7037	995	2.312230	10.390831	0.017606
## 7038	190	2.249874	10.750824	0.015689
## 7039	25	6.109393	45.541328	0.007863
## 7040	899	2.193033	10.527369	0.017867
## 7041	166	1.972360	14.239252	0.017364
## 7042	52	1.511408	9.487492	0.012537
## 7043	310	1.603889	9.573083	0.016789
## 7044	57	1.498252	13.604647	0.017140
## 7045	503	1.230545	6.397869	0.016678
## 7046	565	2.097642	9.856703	0.017160
## 7047	556	2.428026	11.891700	0.014088
## 7048	274	2.198434	11.573973	0.017742
## 7049	145	2.617823	14.928420	0.016668
## 7050	50	0.201372	2.439435	0.012227
## 7051	27	4.600055	28.161205	0.000362
## 7052	25	4.181436	15.977904	0.000038
## 7053	26	4.881231	22.292316	0.000038
## 7054	72	1.154660	8.305371	0.014061
## 7055	25	3.251981	25.478952	0.021970
## 7056	33	4.017560	8.938885	0.025825
## 7057	47	1.224001	5.043654	0.025717
## 7058	48	0.809938	3.443307	0.023065
## 7059	83	1.764186	5.975319	0.022567
## 7060	49	2.046117	12.602412	0.023668
## 7061	110	1.733761	6.592583	0.026331
## 7062	72	1.548088	6.113634	0.022772
## 7063	110	1.513964	9.196678	0.022340
## 7064	49	1.023961	5.396133	0.024643
## 7065	33	0.774849	3.403891	0.017707
## 7066	68	1.175313	4.603310	0.023681
## 7067	69	0.459545	8.269196	0.023038
## 7068	103	0.300237	4.701534	0.022285
## 7069	137	0.918711	6.485287	0.022502
## 7070	166	3.106491	11.030822	0.017050
## 7071	217	2.719357	6.934180	0.011750
## 7072	117	0.271950	3.412644	0.010344
## 7073	55	1.184332	6.377386	0.011851
## 7074	41	3.345217	20.323116	0.014493
## 7075	27	1.467558	5.047735	0.012588
## 7076	47	0.795688	3.594124	0.007479
## 7077	25	1.147226	8.078812	0.004016
## 7078	39	1.383545	10.040115	0.016900
## 7079	43	3.511297	14.490406	0.017497
## 7080	35	2.730258	12.831365	0.013785
## 7081	26	2.548444	7.556618	0.010241
## 7082	30	0.749086	3.601198	0.012386
## 7083	25	4.015646	23.578159	0.013439

## 7084	30	3.319909	19.339735	0.013623
## 7085	38	1.070689	6.626665	0.019807
## 7086	25	2.288367	13.106262	0.013648
## 7087	25	5.103652	19.172558	0.012845
## 7088	98	0.976670	4.513112	0.014242
## 7089	113	0.679801	2.506771	0.015476
## 7090	33	4.306826	14.543545	0.014705
## 7091	25	3.010448	8.452127	0.014522
## 7092	28	6.077107	14.491403	0.016048
## 7093	37	1.508442	10.672306	0.017237
## 7094	30	3.475685	10.768560	0.005483
## 7095	101	1.277146	6.266922	0.009612
## 7096	249	0.594489	3.248898	0.012634
## 7097	31	1.248547	5.286848	0.005086
## 7098	41	3.735902	8.125446	0.005013
## 7099	202	1.431333	6.025357	0.007679
## 7100	44	1.992044	7.343059	0.010169
## 7101	45	0.739971	2.881446	0.012027
## 7102	29	7.615525	17.911854	0.011494
## 7103	42	1.510914	7.918075	0.007780
## 7104	81	2.785765	9.064411	0.013880
## 7105	172	3.197666	7.932418	0.012841
## 7106	53	0.337738	2.357336	0.014531
## 7107	166	1.077774	3.056730	0.013637
## 7108	236	1.301181	3.579341	0.009223
## 7109	92	0.230943	1.562634	0.015776
## 7110	37	5.119922	39.770969	0.017837
## 7111	80	1.252374	5.551554	0.020114
## 7112	106	0.811842	10.889088	0.020343
## 7113	96	1.044030	8.929167	0.018650
## 7114	94	0.555629	7.800291	0.024505
## 7115	101	1.307562	14.479661	0.022438
## 7116	109	0.384708	5.907506	0.022380
## 7117	92	0.216142	4.058107	0.022451
## 7118	43	0.635011	8.474287	0.020736
## 7119	26	0.796862	12.888124	0.017168
## 7120	34	0.843489	12.080050	0.019203
## 7121	93	0.314076	7.494174	0.022728
## 7122	111	0.426462	7.155560	0.022821
## 7123	81	0.296027	3.498291	0.022336
## 7124	25	4.316865	50.660133	0.019587
## 7125	125	1.305177	6.735741	0.017358
## 7126	108	1.046094	7.441789	0.015143
## 7127	552	2.902292	13.188378	0.013884
## 7128	244	2.471089	14.628161	0.014517
## 7129	36	4.850611	36.520576	0.011211
## 7130	393	2.597697	11.805696	0.012005
## 7131	103	1.828978	16.954908	0.010287
## 7132	101	2.206574	13.692431	0.010153
## 7133	906	1.795642	12.544948	0.015741
## 7134	641	1.715082	11.170259	0.017543
## 7135	406	2.005767	14.663728	0.014143
## 7136	98	1.773266	12.363111	0.012095
## 7137	26	5.310314	42.139523	0.015143

## 7138	524	2.033808	12.563652	0.014723
## 7139	282	2.785151	12.102591	0.015887
## 7140	358	3.328506	14.849540	0.014786
## 7141	404	3.251533	14.973413	0.018254
## 7142	46	3.901671	18.415613	0.013189
## 7143	226	3.161206	14.058410	0.015549
## 7144	389	1.599996	9.713308	0.016717
## 7145	888	1.870073	10.244620	0.015119
## 7146	325	2.570009	12.801925	0.015222
## 7147	453	2.778716	12.100994	0.014411
## 7148	1262	2.251526	10.057727	0.014882
## 7149	77	1.032679	9.679295	0.015628
## 7150	37	5.419695	38.020958	0.012573
## 7151	289	3.564869	16.213116	0.014842
## 7152	105	1.738555	9.806339	0.013777
## 7153	190	0.675114	8.392394	0.014215
## 7154	512	2.033773	12.897621	0.012513
## 7155	61	2.047862	11.684173	0.009966
## 7156	363	3.412587	15.564315	0.010398
## 7157	206	2.234077	10.830773	0.009935
## 7158	345	2.421926	12.732653	0.016118
## 7159	25	5.868939	46.082050	0.013024
## 7160	25	2.641505	30.322582	0.010333
## 7161	581	2.807576	11.381413	0.011445
## 7162	640	3.038390	10.856883	0.013097
## 7163	147	2.159672	11.545060	0.008876
## 7164	25	5.654698	32.278065	0.013476
## 7165	25	7.160326	37.820477	0.007123
## 7166	51	0.289930	4.359764	0.010357
## 7167	17729	0.827551	4.698281	0.015563
## 7168	75	2.903537	9.315449	0.019180
## 7169	48	1.229820	8.764635	0.024552
## 7170	185	3.264436	13.117507	0.021743
## 7171	104	3.016474	13.734923	0.020022
## 7172	104	3.818157	18.287617	0.020586
## 7173	28	4.901932	35.043571	0.020934
## 7174	268	4.283350	17.135244	0.024016
## 7175	51	0.217784	2.882918	0.020863
## 7176	26	4.596503	27.388264	0.020068
## 7177	25	3.862933	15.437508	0.019313
## 7178	26	4.438163	21.525747	0.018243
## 7179	73	1.119660	8.732197	0.020337
## 7180	25	2.113295	23.481201	0.017649
## 7181	33	1.780800	8.044065	0.019423
## 7182	47	0.995164	4.741588	0.019733
## 7183	48	0.793947	3.436005	0.021832
## 7184	83	1.672374	5.618452	0.024038
## 7185	49	2.019018	13.032849	0.020193
## 7186	110	1.719235	6.622703	0.021075
## 7187	72	1.567922	5.984493	0.023899
## 7188	110	1.457784	9.132419	0.023263
## 7189	49	1.016284	4.999922	0.018895
## 7190	33	0.858190	3.965098	0.018646
## 7191	68	1.253037	5.382948	0.020778

## 7192	69	0.445476	8.165673	0.021075
## 7193	121	0.268827	4.286702	0.022225
## 7194	123	0.593754	4.160817	0.022320
## 7195	132	0.610483	7.536078	0.022195
## 7196	119	3.107718	13.834271	0.008963
## 7197	153	6.169064	33.888321	0.010210
## 7198	31	4.060491	22.214989	0.007299
## 7199	925	8.346809	24.754280	0.013789
## 7200	1803	7.084401	19.716911	0.015898
## 7201	31	3.966491	22.420286	0.014248
## 7202	173	3.988304	15.149232	0.015454
## 7203	529	5.433576	26.578176	0.011647
## 7204	454	3.896270	21.012514	0.012848
## 7205	37	1.121984	7.822154	0.010503
## 7206	35	4.137096	27.723616	0.009850
## 7207	312	5.468949	20.033249	0.010828
## 7208	337	2.499465	11.678516	0.015007
## 7209	25	4.270298	30.738152	0.009728
## 7210	25	6.441646	33.645950	0.010596
## 7211	25	4.143729	34.107819	0.012180
## 7212	128	6.699653	25.996885	0.013841
## 7213	86	3.559798	13.500934	0.017258
## 7214	73	1.803995	6.957582	0.016516
## 7215	50	3.722970	14.532166	0.026465
## 7216	40	2.921684	18.311043	0.014029
## 7217	162	4.389865	24.949213	0.013243
## 7218	97	2.207601	14.370055	0.012188
## 7219	165	7.370343	18.876711	0.013778
## 7220	126	7.322803	25.375479	0.012176
## 7221	27	1.681584	7.043891	0.009900
## 7222	31	4.068745	24.285131	0.010566
## 7223	212	4.459498	17.628485	0.012082
## 7224	85	2.636086	9.556158	0.012314
## 7225	92	0.963004	6.240644	0.010143
## 7226	32	2.202446	9.147724	0.010263
## 7227	39	1.536589	12.005478	0.008680
## 7228	398	3.360816	13.051847	0.013066
## 7229	29	2.461019	21.229589	0.007697
## 7230	124	7.122877	24.014500	0.011234
## 7231	27	1.874899	8.740859	0.014865
## 7232	140	6.775924	23.944517	0.011613
## 7233	86	3.787560	13.606998	0.017306
## 7234	72	1.842004	7.202349	0.013486
## 7235	50	4.394965	17.396795	0.015316
## 7236	41	2.735772	19.860519	0.005902
## 7237	82	3.687403	25.559788	0.015113
## 7238	56	3.545926	12.695657	0.010818
## 7239	86	2.595201	9.388389	0.012938
## 7240	92	0.917752	5.960831	0.010138
## 7241	32	2.226448	9.588949	0.010653
## 7242	39	1.540378	11.929663	0.009673
## 7243	378	3.450984	13.532768	0.014658
## 7244	47	3.225065	18.265003	0.010587
## 7245	125	7.234344	23.992315	0.011533

## 7246	64	0.958250	4.654820	0.013177
## 7247	32	4.974316	29.114765	0.010729
## 7248	31	5.576819	19.318529	0.011722
## 7249	71	2.471216	13.628784	0.013017
## 7250	166	0.887227	7.861179	0.007399
## 7251	25	2.007561	17.955479	0.024069
## 7252	50	1.012870	4.263222	0.025871
## 7253	203	1.285958	9.325841	0.026758
## 7254	74	1.772282	10.724174	0.024499
## 7255	156	0.953121	6.101889	0.024121
## 7256	27	9.297292	27.270115	0.021575
## 7257	28	3.769899	21.244097	0.021865
## 7258	55	7.920576	21.195032	0.021042
## 7259	26	4.570173	19.562593	0.022520
## 7260	33	4.443428	25.160835	0.019247
## 7261	77	2.722190	10.945134	0.020757
## 7262	27	0.531910	1.847709	0.020743
## 7263	211	1.982188	6.303668	0.017638
## 7264	59	0.744874	2.679170	0.016466
## 7265	50	0.506402	2.042095	0.011019
## 7266	26	0.398104	2.183129	0.007960
## 7267	121	0.084673	1.075599	0.010638
## 7268	224	0.214864	1.652282	0.013077
## 7269	25	0.835655	8.651423	0.009157
## 7270	25	2.541673	15.290313	0.010763
## 7271	29	1.919453	5.920777	0.008269
## 7272	32	0.231609	2.006621	0.005237
## 7273	59	0.926505	3.705146	0.006392
## 7274	38	1.467309	8.720695	0.007097
## 7275	63	0.393279	1.813131	0.006397
## 7276	37	1.217119	5.142584	0.007360
## 7277	83	4.281381	6.207164	0.007561
## 7278	118	2.390371	7.711404	0.010302
## 7279	131	4.955980	12.492662	0.011988
## 7280	41	0.434176	2.393037	0.012938
## 7281	25	9.348437	27.615757	0.015054
## 7282	48	6.224485	16.098688	0.014824
## 7283	30	4.684061	11.120640	0.012746
## 7284	100	1.640356	6.585928	0.009066
## 7285	25	1.162637	4.338113	0.009614
## 7286	41	3.185606	16.106318	0.014746
## 7287	25	2.148420	11.834631	0.007132
## 7288	25	1.553481	8.591589	0.012176
## 7289	36	2.804160	13.221538	0.012291
## 7290	25	3.094415	24.669436	0.012949
## 7291	54	3.002986	7.844092	0.019610
## 7292	32	2.834331	21.696686	0.009536
## 7293	63	2.571516	10.204185	0.015483
## 7294	65	2.530247	13.106955	0.017978
## 7295	25	2.362426	9.242478	0.001979
## 7296	25	0.826158	5.782107	0.001568
## 7297	26	3.896940	19.601219	0.001521
## 7298	43	2.401768	7.074996	0.002991
## 7299	95	1.458316	7.332514	0.010507

## 7300	84	0.210361	1.172263	0.011077
## 7301	43	2.235902	6.895660	0.010504
## 7302	228	0.373772	2.435345	0.016764
## 7303	674	1.355747	4.198728	0.012010
## 7304	95	0.157353	1.494602	0.003072
## 7305	108	9.293397	10.893935	0.014038
## 7306	136	1.420868	4.273431	0.019482
## 7307	127	2.376713	6.736489	0.020982
## 7308	47	0.520533	2.792553	0.020013
## 7309	31	0.652784	2.264143	0.015053
## 7310	46	1.019579	3.567971	0.015172
## 7311	87	3.976213	8.222880	0.010966
## 7312	279	1.811290	5.934698	0.010391
## 7313	129	0.773516	2.651539	0.009599
## 7314	55	1.094901	5.820871	0.014523
## 7315	41	3.405623	20.362320	0.018246
## 7316	27	1.435557	4.733485	0.015202
## 7317	47	0.800412	3.590837	0.013876
## 7318	25	1.242836	8.960206	0.014232
## 7319	39	1.386243	10.367015	0.008228
## 7320	43	3.607222	15.222368	0.008076
## 7321	35	2.776732	13.403637	0.002570
## 7322	26	2.129437	5.035691	0.000169
## 7323	30	0.742188	3.555949	0.000075
## 7324	25	3.400989	25.273691	0.000073
## 7325	29	3.350500	20.188658	0.000074
## 7326	38	0.873235	4.399245	0.015569
## 7327	25	2.331529	13.162950	0.018662
## 7328	25	5.027845	19.249018	0.020403
## 7329	98	1.036295	5.024178	0.016833
## 7330	113	0.838206	3.498571	0.020876
## 7331	260	0.506021	3.557220	0.018860
## 7332	25	2.307281	13.828962	0.017629
## 7333	30	2.500892	8.166159	0.019533
## 7334	31	0.468809	1.684875	0.020132
## 7335	61	0.844668	3.808576	0.011297
## 7336	38	2.192647	11.391609	0.011692
## 7337	62	0.628667	2.999814	0.006530
## 7338	35	1.081044	3.695368	0.007214
## 7339	82	4.787342	8.668386	0.008535
## 7340	38	4.928410	41.418400	0.007781
## 7341	80	1.339104	5.578600	0.007583
## 7342	106	0.814092	10.467853	0.014525
## 7343	96	1.043345	9.304576	0.011895
## 7344	94	0.537254	7.558551	0.016291
## 7345	66	1.359873	14.534071	0.016963
## 7346	34	0.793197	10.510972	0.019107
## 7347	109	0.389137	5.940568	0.025681
## 7348	92	0.213939	3.857023	0.024095
## 7349	43	0.599979	7.953245	0.023090
## 7350	26	0.807021	13.200347	0.020441
## 7351	34	0.840927	11.928634	0.021810
## 7352	93	0.333246	7.422771	0.024369
## 7353	111	0.429168	7.117152	0.021533

## 7354	81	0.290559	3.388668	0.022478
## 7355	25	4.547533	50.401905	0.019788
## 7356	68	1.778976	8.693302	0.023620
## 7357	46	1.109048	10.640543	0.022336
## 7358	217	2.498773	11.470263	0.021792
## 7359	43	2.112498	16.031935	0.016253
## 7360	276	3.298543	13.047900	0.020717
## 7361	25	2.455514	36.495628	0.019417
## 7362	88	7.104817	16.910646	0.016552
## 7363	133	7.151281	17.056005	0.014511
## 7364	25	5.891756	32.449062	0.013767
## 7365	25	7.103847	39.670029	0.016390
## 7366	38	0.363483	5.076467	0.016730
## 7367	1569	1.024226	5.805787	0.017960
## 7368	1820	0.609819	6.060724	0.014591
## 7369	1031	1.610581	8.656650	0.016772
## 7370	31	4.108296	21.227045	0.020511
## 7371	151	2.420618	16.054304	0.013747
## 7372	25	2.014982	18.148500	0.015334
## 7373	53	3.222551	18.722315	0.017546
## 7374	40	2.612130	18.142660	0.016850
## 7375	36	2.270881	12.664402	0.015440
## 7376	92	1.200317	9.332839	0.007516
## 7377	196	0.602811	3.434217	0.003463
## 7378	25	3.704164	23.253700	0.016375
## 7379	84	3.077263	18.663818	0.022000
## 7380	384	2.966284	15.118251	0.011159
## 7381	25	2.602259	18.456823	0.026004
## 7382	383	2.785666	16.960800	0.017206
## 7383	256	2.251891	16.646660	0.018429
## 7384	25	2.040240	15.636092	0.012976
## 7385	128	1.958305	13.585038	0.015722
## 7386	213	1.573875	11.496393	0.015955
## 7387	187	2.708214	16.530310	0.015569
## 7388	247	2.215486	13.124170	0.018611
## 7389	152	2.409038	15.766902	0.016217
## 7390	52	1.948856	19.038078	0.011183
## 7391	321	2.566432	16.830189	0.013647
## 7392	26	3.209586	20.285200	0.004675
## 7393	57	2.094575	22.062424	0.021206
## 7394	88	2.147734	14.319860	0.013322
## 7395	96	0.253817	1.999272	0.004347
## 7396	157	1.474387	7.403974	0.007147
## 7397	70	2.017424	17.040113	0.008514
## 7398	330	2.405332	14.426720	0.017185
## 7399	233	2.229943	12.868138	0.010804
## 7400	130	1.337549	10.252733	0.011948
## 7401	25	9.111914	52.309803	0.002598
## 7402	25	5.540199	37.304142	0.026467
## 7403	25	5.315804	54.608559	0.016946
## 7404	60	1.266164	6.062047	0.023804
## 7405	25	2.510329	17.956459	0.000088
## 7406	28	2.901524	26.826931	0.009832
## 7407	25	1.965719	21.268764	0.013420

## 7408	31	4.306670	25.859743	0.016571
## 7409	25	3.159729	29.505037	0.013907
## 7410	43	3.859207	13.800409	0.015511
## 7411	25	1.415918	14.282151	0.014733
## 7412	58	1.293424	8.763982	0.017420
## 7413	114	0.568011	5.069799	0.017011
## 7414	114	1.438557	9.694489	0.015913
## 7415	151	1.233399	7.939366	0.014642
## 7416	103	0.680039	5.284582	0.013961
## 7417	25	7.711781	19.802576	0.014764
## 7418	27	3.041935	14.980208	0.009358
## 7419	55	6.905864	18.251734	0.020440
## 7420	32	4.746432	19.361980	0.018713
## 7421	27	4.085281	21.500252	0.016280
## 7422	77	2.445503	9.800098	0.014231
## 7423	92	5.905020	16.683718	0.009277
## 7424	39	4.211436	13.647043	0.013047
## 7425	25	5.002332	13.571064	0.002420
## 7426	131	1.629384	5.232728	0.010264
## 7427	32	0.151597	1.178225	0.008846
## 7428	223	1.843455	5.714419	0.007936
## 7429	107	0.678029	2.444355	0.011731
## 7430	68	0.401237	1.648135	0.010507
## 7431	25	0.156379	1.215091	0.013055
## 7432	123	0.562358	3.608899	0.009443
## 7433	32	2.705885	9.570312	0.007177
## 7434	27	4.155348	13.672769	0.004992
## 7435	36	1.515741	5.712390	0.009344
## 7436	25	1.129806	4.620337	0.008793
## 7437	30	0.303345	1.508626	0.008202
## 7438	40	0.196887	1.528207	0.012286
## 7439	44	0.831379	4.225522	0.013873
## 7440	54	1.624300	6.125927	0.007847
## 7441	44	1.073850	4.661384	0.012903
## 7442	65	1.130844	4.706985	0.007863
## 7443	37	2.053792	9.462426	0.010090
## 7444	42	0.710635	5.398942	0.012064
## 7445	91	4.462198	12.118968	0.010699
## 7446	36	4.614671	17.416248	0.008608
## 7447	30	1.653502	6.567751	0.006921
## 7448	32	3.324266	19.605022	0.007980
## 7449	25	4.118901	26.910698	0.010231
## 7450	25	3.893697	22.648466	0.010703
## 7451	40	2.215240	11.444894	0.009042
## 7452	43	3.301826	14.211101	0.009942
## 7453	71	1.834039	7.349614	0.011409
## 7454	27	2.445587	11.943679	0.013069
## 7455	25	1.669971	5.801514	0.004752
## 7456	34	0.483180	1.981778	0.006206
## 7457	137	2.914676	11.467395	0.009412
## 7458	131	5.022437	13.367230	0.011038
## 7459	41	0.427079	2.444468	0.008305
## 7460	105	7.130001	19.013346	0.015758
## 7461	100	1.322538	5.638060	0.013237

## 7462	50	2.107265	5.512073	0.020276
## 7463	25	1.981728	9.409901	0.016204
## 7464	48	3.603339	11.163406	0.013622
## 7465	25	1.474501	6.973483	0.011718
## 7466	152	1.596534	5.654207	0.014674
## 7467	25	2.416770	8.869148	0.012618
## 7468	49	3.368856	11.556404	0.018822
## 7469	25	4.260937	12.118827	0.015724
## 7470	25	5.020152	12.580798	0.019395
## 7471	41	1.764738	6.377236	0.020485
## 7472	25	1.974188	8.830971	0.015882
## 7473	36	2.246405	17.059242	0.020199
## 7474	25	1.632021	14.955585	0.017484
## 7475	34	0.207810	2.342411	0.018840
## 7476	35	5.050258	11.803861	0.018491
## 7477	45	1.319993	6.430770	0.014935
## 7478	68	0.560226	3.039135	0.019483
## 7479	249	0.464112	3.470188	0.009860
## 7480	47	0.648583	3.003543	0.008766
## 7481	31	0.682936	2.427217	0.007284
## 7482	46	1.289646	5.524031	0.006225
## 7483	87	4.353563	10.232805	0.006879
## 7484	279	1.602894	5.785374	0.013774
## 7485	129	0.366268	1.271821	0.006896
## 7486	31	1.302757	5.616805	0.000096
## 7487	41	3.811090	8.191674	0.000076
## 7488	72	1.563556	5.975949	0.006115
## 7489	56	3.181784	11.714078	0.007151
## 7490	72	0.526890	3.418573	0.015015
## 7491	44	2.397536	10.037225	0.015577
## 7492	45	0.794022	3.092977	0.008403
## 7493	34	7.209043	18.845383	0.017047
## 7494	37	1.067150	6.376804	0.014689
## 7495	81	2.581991	7.938226	0.010961
## 7496	172	3.103652	7.775599	0.017073
## 7497	53	0.126366	1.138089	0.015278
## 7498	170	1.546123	5.392686	0.012268
## 7499	237	1.588152	4.022173	0.013149
## 7500	54	0.166854	1.555234	0.021121
## 7501	32	0.462593	2.982500	0.018653
## 7502	36	3.527046	15.870865	0.019911
## 7503	41	2.493676	16.087914	0.019126
## 7504	63	1.151099	7.498371	0.019009
## 7505	109	0.731669	5.244861	0.031683
## 7506	28	0.548904	3.484385	0.024755
## 7507	72	1.596334	8.829578	0.025370
## 7508	28	1.718622	6.216481	0.023014
## 7509	39	5.358557	15.564656	0.026783
## 7510	75	0.697380	3.261011	0.023648
## 7511	79	1.588237	9.899293	0.021918
## 7512	39	2.047327	9.994894	0.018706
## 7513	25	4.535423	13.685154	0.020499
## 7514	84	0.982074	5.184006	0.025259
## 7515	127	0.969700	6.038400	0.024268

## 7516	39	1.612495	5.685980	0.022746
## 7517	41	1.816785	6.884208	0.021857
## 7518	25	1.052927	10.708767	0.019226
## 7519	46	0.601805	4.175500	0.019812
## 7520	173	0.898245	7.856550	0.023356
## 7521	35	0.463662	7.397218	0.020178
## 7522	25	1.399177	15.220987	0.019091
## 7523	25	1.978058	19.375971	0.020199
## 7524	64	2.318952	8.188312	0.016945
## 7525	25	1.979315	21.302515	0.026542
## 7526	51	1.193541	6.258461	0.026868
## 7527	81	1.732791	10.867332	0.024124
## 7528	325	4.159501	16.602293	0.018664
## 7529	106	6.851808	31.780399	0.015936
## 7530	98	6.885071	34.828789	0.019043
## 7531	25	4.066622	42.043930	0.015984
## 7532	175	0.457228	3.874506	0.013718
## 7533	69	4.430192	23.138588	0.019952
## 7534	58	1.468933	6.666372	0.022489
## 7535	25	2.265440	18.048836	0.016896
## 7536	59	5.500080	21.711298	0.013662
## 7537	43	5.648375	19.960958	0.021431
## 7538	29	3.202071	17.551123	0.019032
## 7539	25	2.529758	33.699688	0.010758
## 7540	111	7.823382	20.769972	0.014496
## 7541	32	7.894362	21.151857	0.006548
## 7542	66	7.615337	27.963326	0.012755
## 7543	118	7.543447	32.421406	0.017909
## 7544	101	9.389193	35.318172	0.009319
## 7545	80	8.143122	27.860525	0.017796
## 7546	61	1.147603	4.393600	0.013171
## 7547	137	1.348749	8.581705	0.014209
## 7548	25	6.027796	33.776264	0.013143
## 7549	25	7.511921	39.284519	0.015802
## 7550	43	1.387889	10.205229	0.013363
## 7551	224	1.640340	7.382042	0.019002
## 7552	355	3.833482	13.204705	0.016177
## 7553	278	3.154401	10.237658	0.016547
## 7554	73	2.680029	16.196747	0.011918
## 7555	149	4.041043	17.663252	0.018949
## 7556	273	3.916969	17.165682	0.017343
## 7557	125	3.968664	18.737709	0.022016
## 7558	27	2.906996	19.816883	0.026059
## 7559	198	2.793782	11.587107	0.020623
## 7560	60	4.446336	27.862890	0.023198
## 7561	54	2.139534	8.761955	0.019169
## 7562	26	1.797233	12.446742	0.018365
## 7563	32	7.025707	26.338081	0.011713
## 7564	26	6.180737	29.953047	0.001796
## 7565	25	3.528375	24.580261	0.003055
## 7566	26	3.886144	17.060108	0.015370
## 7567	48	4.375860	20.507006	0.017501
## 7568	25	6.280081	29.553917	0.017412
## 7569	1049	1.328729	6.154764	0.015720

## 7570	770	1.692805	11.028170	0.013133
## 7571	103	2.583020	12.029779	0.013848
## 7572	70	6.729637	26.802563	0.015215
## 7573	6127	0.799223	7.045992	0.018478
## 7574	459	0.508636	6.341747	0.018603
## 7575	256	0.518265	5.602253	0.018805
## 7576	438	0.648000	5.613743	0.019689
## 7577	43	1.199703	9.171086	0.020110
## 7578	393	0.737177	6.105609	0.019287
## 7579	688	1.052065	7.897940	0.017979
## 7580	3786	0.712590	6.281929	0.017521
## 7581	1696	0.540255	6.712977	0.019345
## 7582	997	0.664753	5.424325	0.017226
## 7583	33	1.789017	15.187722	0.014314
## 7584	25	4.402909	46.762753	0.012434
## 7585	61	3.291765	19.563002	0.014853
## 7586	76	3.618146	21.630941	0.010830
## 7587	89	2.667127	11.335794	0.020413
## 7588	185	3.089689	12.780370	0.020660
## 7589	59	3.363164	19.961298	0.017017
## 7590	26	3.220604	46.432259	0.014780
## 7591	106	0.948974	5.632410	0.017468
## 7592	160	2.108844	13.661764	0.019639
## 7593	403	3.350223	12.448208	0.014702
## 7594	125	1.903164	11.402428	0.009273
## 7595	1154	0.753626	5.300776	0.008736
## 7596	25	1.426088	12.112644	0.011153
## 7597	45	1.050852	4.529706	0.007082
## 7598	32	5.121693	30.212469	0.010372
## 7599	31	5.698001	19.627047	0.007499
## 7600	71	2.732634	15.768561	0.010344
## 7601	166	1.066480	8.554914	0.020265
## 7602	25	2.128367	18.011492	0.019730
## 7603	50	1.071018	4.439649	0.022290
## 7604	203	1.496423	10.779859	0.023123
## 7605	74	1.902753	10.735890	0.020815
## 7606	132	1.165266	6.947986	0.022619
## 7607	32	0.406001	7.831538	0.019174
## 7608	25	3.142865	20.175629	0.017784
## 7609	25	2.087388	19.619806	0.016441
## 7610	64	2.194279	7.556695	0.019129
## 7611	25	1.922677	22.296963	0.014677
## 7612	123	0.845222	4.042717	0.023829
## 7613	25	6.882318	21.990208	0.022018
## 7614	53	2.667102	12.609895	0.023612
## 7615	25	9.181408	27.331589	0.022305
## 7616	30	4.298434	18.470224	0.019545
## 7617	37	6.744226	21.107233	0.023486
## 7618	26	4.368101	22.547050	0.009941
## 7619	48	1.977329	10.507094	0.000173
## 7620	25	2.227555	13.234929	0.018186
## 7621	30	1.806065	5.966272	0.019830
## 7622	32	0.226288	1.999384	0.018169
## 7623	60	0.664953	3.218503	0.018114

## 7624	38	1.256502	8.448948	0.012555
## 7625	62	0.371047	1.489623	0.009336
## 7626	37	1.202346	5.152056	0.006869
## 7627	83	4.439267	8.607469	0.012595
## 7628	120	1.653097	11.690343	0.010763
## 7629	249	1.117580	7.310058	0.016680
## 7630	61	3.897349	18.757093	0.020360
## 7631	66	0.576998	3.344332	0.017529
## 7632	239	1.456279	6.601887	0.018544
## 7633	277	0.192541	1.711671	0.005662
## 7634	105	0.891326	6.222767	0.006663
## 7635	25	5.406338	12.484689	0.006139
## 7636	53	1.557466	8.203990	0.007118
## 7637	60	1.658005	6.549710	0.007033
## 7638	33	1.150019	3.505479	0.008743
## 7639	42	0.066261	0.839421	0.007878
## 7640	55	3.642076	8.563733	0.004520
## 7641	25	6.228089	13.053061	0.000524
## 7642	35	4.680100	17.313812	0.002147
## 7643	25	2.798126	15.127927	0.004216
## 7644	25	5.725066	12.442112	0.003380
## 7645	111	1.509608	7.769366	0.005223
## 7646	249	0.827395	4.811053	0.014739
## 7647	108	9.340789	11.672944	0.006434
## 7648	136	1.199078	3.717047	0.007745
## 7649	127	3.168795	10.360979	0.013127
## 7650	447	1.161970	7.173016	0.009372
## 7651	236	1.805695	8.305078	0.013683
## 7652	34	2.449300	12.829053	0.009959
## 7653	94	0.783796	8.240462	0.014452
## 7654	59	1.674110	9.131392	0.013817
## 7655	93	6.095072	17.827702	0.015913
## 7656	38	4.531641	15.666634	0.012939
## 7657	25	5.860899	16.632578	0.009221
## 7658	131	2.175126	7.766178	0.013074
## 7659	32	0.202273	1.150980	0.007893
## 7660	223	1.765560	5.580045	0.011040
## 7661	107	0.719831	2.672325	0.004457
## 7662	68	1.689837	6.534532	0.014970
## 7663	25	0.801056	2.812442	0.002816
## 7664	121	1.448553	7.800662	0.014766
## 7665	25	4.459460	23.668856	0.003580
## 7666	29	4.856273	26.247433	0.014367
## 7667	25	2.364028	21.205904	0.009779
## 7668	25	3.454964	30.116461	0.013864
## 7669	25	2.059663	15.579891	0.010678
## 7670	25	4.350653	19.446583	0.010351
## 7671	152	1.694315	10.372501	0.010700
## 7672	26	3.082290	50.788994	0.024759
## 7673	64	2.126263	8.351896	0.020920
## 7674	45	3.635518	37.764915	0.021118
## 7675	25	2.433723	20.157089	0.022441
## 7676	70	2.121307	17.637064	0.025877
## 7677	25	1.689768	13.455797	0.017594

## 7678	32	0.456806	8.939047	0.020311
## 7679	25	1.169078	13.572614	0.018740
## 7680	25	2.300025	21.738934	0.015117
## 7681	62	2.073962	6.765708	0.017161
## 7682	25	1.923253	21.703003	0.015687
## 7683	61	1.603546	9.200033	0.019856
## 7684	71	1.736804	10.058023	0.016405
## 7685	254	2.923438	15.241873	0.018391
## 7686	275	3.829705	14.506444	0.014743
## 7687	247	0.268887	1.800996	0.016447
## 7688	520	2.863087	14.685797	0.009561
## 7689	103	2.313677	14.402456	0.008765
## 7690	904	2.099486	14.415886	0.014352
## 7691	641	2.102151	12.842518	0.017065
## 7692	405	2.463682	17.121220	0.015809
## 7693	91	2.609018	17.374138	0.013950
## 7694	165	0.245550	1.450379	0.011000
## 7695	25	2.402719	26.245329	0.020535
## 7696	129	0.943442	8.482887	0.012150
## 7697	129	4.206992	24.046236	0.006179
## 7698	129	3.377114	20.377600	0.005873
## 7699	316	2.381017	11.664878	0.011190
## 7700	43	2.718966	16.098930	0.016362
## 7701	40	2.904211	14.400141	0.014349
## 7702	401	3.084448	13.615177	0.012927
## 7703	206	2.546435	12.720761	0.012593
## 7704	723	2.788239	13.129597	0.009894
## 7705	33	0.493563	7.861057	0.006798
## 7706	25	1.236019	12.717603	0.012209
## 7707	25	1.878704	20.275082	0.008275
## 7708	64	2.313948	7.617123	0.007825
## 7709	25	1.973993	22.108753	0.008239
## 7710	103	0.853230	4.299945	0.005724
## 7711	68	8.086359	25.013704	0.006433
## 7712	81	2.515335	10.694082	0.028386
## 7713	40	5.207023	28.045246	0.023743
## 7714	93	1.730999	8.118464	0.023687
## 7715	30	4.052762	26.225037	0.010116
## 7716	43	6.189945	33.859974	0.006462
## 7717	25	4.184688	34.608322	0.026879
## 7718	50	2.100928	9.820691	0.020267
## 7719	84	1.137276	8.403011	0.022189
## 7720	88	1.564367	9.813079	0.022934
## 7721	75	6.285655	29.341637	0.019285
## 7722	100	4.409413	20.471642	0.022281
## 7723	59	7.510046	16.954062	0.020696
## 7724	25	5.536736	24.177736	0.018116
## 7725	47	3.379286	18.257149	0.020466
## 7726	113	5.456883	18.545115	0.017876
## 7727	40	9.369524	32.116127	0.018643
## 7728	60	2.092490	10.374450	0.020145
## 7729	81	2.156856	7.898171	0.022030
## 7730	53	1.966171	7.161891	0.022845
## 7731	51	2.429929	9.062430	0.022560

## 7732	48	8.924188	26.696182	0.022052
## 7733	25	6.095681	33.866966	0.018892
## 7734	25	3.790703	24.138506	0.018683
## 7735	63	10.892629	35.830868	0.016868
## 7736	40	8.678037	30.428196	0.018041
## 7737	71	3.335179	20.513529	0.019563
## 7738	32	4.424027	14.424555	0.017044
## 7739	36	5.945367	24.988447	0.016940
## 7740	51	9.401744	29.333269	0.019560
## 7741	26	5.651262	21.113884	0.016177
## 7742	46	5.633801	32.783253	0.018999
## 7743	34	11.459904	24.421532	0.018366
## 7744	40	5.563434	23.774012	0.019184
## 7745	124	1.022226	8.797706	0.020065
## 7746	77	1.461534	5.320652	0.019354
## 7747	46	0.848489	11.930681	0.018225
## 7748	124	0.856462	5.096262	0.020447
## 7749	46	1.408558	5.822088	0.019193
## 7750	32	2.335065	11.537802	0.017713
## 7751	44	0.543401	7.518471	0.015776
## 7752	27	3.351956	11.890409	0.006544
## 7753	96	1.254096	6.153078	0.009629
## 7754	124	0.792156	3.868885	0.010560
## 7755	41	0.831410	4.035663	0.008190
## 7756	25	2.276698	17.009323	0.013554
## 7757	26	0.305088	1.977593	0.010017
## 7758	29	0.247421	1.470917	0.007732
## 7759	124	0.662771	3.615485	0.019473
## 7760	80	2.195204	11.024561	0.007890
## 7761	157	1.549445	6.116993	0.007886
## 7762	92	7.132290	17.492817	0.009553
## 7763	28	2.702227	6.016774	0.009175
## 7764	138	1.102002	5.062739	0.012766
## 7765	25	4.945775	20.581385	0.007449
## 7766	25	5.416193	28.764694	0.017288
## 7767	29	3.314204	20.065353	0.017930
## 7768	66	1.152898	5.376688	0.013280
## 7769	26	4.483933	11.603605	0.015251
## 7770	61	2.828975	7.119199	0.010092
## 7771	77	3.418423	8.214212	0.014803
## 7772	64	2.524450	9.975534	0.015090
## 7773	38	2.888355	8.232585	0.012906
## 7774	57	0.475660	2.415434	0.011765
## 7775	44	2.119167	6.079694	0.012641
## 7776	31	4.338027	8.139812	0.012844
## 7777	56	1.670760	6.577319	0.013237
## 7778	32	2.140608	5.879288	0.012539
## 7779	29	2.966226	7.861634	0.010312
## 7780	118	0.613877	3.528507	0.014401
## 7781	61	1.007410	3.734257	0.013400
## 7782	88	0.731779	4.208455	0.014447
## 7783	54	0.390932	2.275610	0.013674
## 7784	28	1.332530	3.283026	0.013362
## 7785	25	2.373769	8.372972	0.013397

## 7786	64	1.704693	7.038738	0.014356
## 7787	26	1.241383	3.457527	0.011171
## 7788	35	3.044532	12.372498	0.011093
## 7789	63	2.340919	10.673460	0.013263
## 7790	36	1.240666	2.824046	0.013710
## 7791	41	1.602475	7.114759	0.011405
## 7792	73	2.969043	7.991378	0.011170
## 7793	66	1.323306	6.284592	0.000594
## 7794	32	0.600547	9.889129	0.004754
## 7795	47	0.797824	2.693153	0.011753
## 7796	41	1.179318	7.665903	0.007971
## 7797	48	0.997177	3.757848	0.008624
## 7798	34	1.025792	4.065613	0.015710
## 7799	99	0.887567	4.049572	0.015234
## 7800	51	1.280108	7.106050	0.016082
## 7801	25	1.318075	6.409260	0.016125
## 7802	25	4.475310	14.138433	0.016717
## 7803	25	4.261099	20.508257	0.013079
## 7804	25	2.254885	8.780467	0.011587
## 7805	68	3.002673	8.760304	0.009752
## 7806	39	0.284106	2.371737	0.006699
## 7807	29	6.182586	18.685080	0.010938
## 7808	38	2.176894	11.034981	0.006216
## 7809	36	2.905000	13.977941	0.008334
## 7810	28	7.102031	14.667542	0.004863
## 7811	63	1.088518	4.691816	0.008002
## 7812	38	4.151869	22.510920	0.010163
## 7813	25	7.559414	27.228149	0.009182
## 7814	47	3.040033	13.751484	0.010722
## 7815	33	0.437054	1.510584	0.011555
## 7816	38	1.489726	6.433901	0.008054
## 7817	39	3.340655	12.388940	0.009328
## 7818	25	2.403182	9.766407	0.010001
## 7819	67	2.611323	8.567224	0.013925
## 7820	47	4.518764	12.202888	0.010737
## 7821	28	2.209351	7.812358	0.013727
## 7822	115	4.321457	15.070546	0.007679
## 7823	26	2.657776	7.585075	0.012328
## 7824	25	0.201208	1.658683	0.006406
## 7825	37	0.286488	2.427231	0.008056
## 7826	42	1.117327	7.716328	0.008760
## 7827	45	0.579035	4.843839	0.015553
## 7828	25	1.909345	7.317296	0.010866
## 7829	40	0.638051	3.680276	0.011998
## 7830	31	1.267319	5.407546	0.011273
## 7831	41	4.099243	9.745388	0.014821
## 7832	202	1.657946	7.133464	0.016237
## 7833	44	2.415731	8.939248	0.016681
## 7834	45	0.781444	3.520551	0.012776
## 7835	72	4.332634	13.987376	0.014821
## 7836	81	2.895492	9.050871	0.008211
## 7837	172	3.284461	8.653074	0.011881
## 7838	53	0.211005	1.474061	0.016086
## 7839	31	3.930028	16.899847	0.013905

## 7840	25	2.619032	14.840952	0.012385
## 7841	29	3.274643	11.844008	0.010138
## 7842	30	1.762001	8.451674	0.004444
## 7843	25	5.369038	22.415539	0.016361
## 7844	28	1.713829	5.778243	0.014020
## 7845	25	3.801198	15.956213	0.014952
## 7846	46	7.584222	19.905376	0.016196
## 7847	30	0.879192	4.837690	0.009345
## 7848	25	2.302499	19.174114	0.013554
## 7849	37	4.493557	22.054874	0.014185
## 7850	29	5.407866	28.830450	0.012361
## 7851	73	1.599853	11.848418	0.012634
## 7852	25	2.248906	23.982628	0.009304
## 7853	33	1.861230	8.214604	0.010529
## 7854	47	1.057137	4.727500	0.015380
## 7855	48	0.797733	3.410619	0.014166
## 7856	83	2.452229	8.831254	0.016964
## 7857	49	3.167058	18.019863	0.013183
## 7858	110	2.289609	11.536468	0.026325
## 7859	72	1.567352	5.783235	0.023461
## 7860	110	1.420139	9.013168	0.022554
## 7861	49	1.763173	8.678665	0.024199
## 7862	33	2.227179	7.614789	0.022487
## 7863	68	2.110020	12.063382	0.023198
## 7864	60	1.188994	14.205053	0.022258
## 7865	25	0.660770	12.621566	0.018161
## 7866	105	0.139570	1.956315	0.021590
## 7867	26	0.786660	10.731359	0.021748
## 7868	30	0.952849	4.053926	0.015666
## 7869	54	3.770399	18.634243	0.021842
## 7870	34	4.335048	17.924562	0.020728
## 7871	91	3.460673	20.923401	0.021073
## 7872	26	3.044082	18.858854	0.022249
## 7873	39	2.394861	12.792277	0.019669
## 7874	63	1.924586	12.333719	0.023265
## 7875	74	2.277340	9.945662	0.019970
## 7876	51	1.975071	23.528667	0.014463
## 7877	120	3.443986	21.553442	0.011901
## 7878	36	3.684936	25.457708	0.008661
## 7879	30	2.276156	18.507408	0.007989
## 7880	25	2.982698	23.008345	0.014363
## 7881	40	1.753189	16.522484	0.021134
## 7882	62	1.673254	8.008023	0.018087
## 7883	64	1.815838	10.905182	0.015058
## 7884	114	2.278484	12.091021	0.008197
## 7885	25	3.379803	34.268600	0.016563
## 7886	116	2.014760	11.451729	0.018264
## 7887	127	2.084609	8.023934	0.011551
## 7888	29	1.517871	8.201622	0.015057
## 7889	95	4.151861	21.757515	0.019007
## 7890	84	2.422416	19.279024	0.012705
## 7891	26	6.994876	22.776480	0.006105
## 7892	25	6.477167	27.109869	0.007228
## 7893	25	5.388361	25.567839	0.015790

## 7894	26	6.412485	22.764517	0.009900
## 7895	25	2.444801	32.964928	0.015226
## 7896	39	3.034240	14.016594	0.015325
## 7897	116	3.320185	12.259263	0.014535
## 7898	93	7.040277	30.334599	0.012982
## 7899	44	4.663746	29.156233	0.016066
## 7900	34	5.977611	19.288874	0.016862
## 7901	79	1.556277	5.307642	0.016450
## 7902	73	2.459414	16.026917	0.010874
## 7903	65	1.101824	6.868566	0.008137
## 7904	142	1.705856	8.903659	0.019090
## 7905	236	0.599274	4.256812	0.014151
## 7906	35	3.273875	27.126841	0.014117
## 7907	92	4.469664	15.665860	0.008082
## 7908	66	4.576854	19.970924	0.018086
## 7909	112	5.427011	15.977395	0.025065
## 7910	25	4.157868	12.578422	0.014298
## 7911	26	3.433714	33.952595	0.014834
## 7912	25	1.995367	30.452980	0.009553
## 7913	25	2.019724	40.543419	0.007797
## 7914	25	4.143525	32.133236	0.014268
## 7915	29	2.245226	23.653809	0.010436
## 7916	25	1.174583	16.114494	0.009690
## 7917	25	1.531989	23.699730	0.011250
## 7918	33	5.802707	28.968519	0.012992
## 7919	30	2.222256	34.767044	0.017378
## 7920	25	1.762862	19.472925	0.009165
## 7921	25	0.766567	14.353717	0.002009
## 7922	25	1.320738	22.235386	0.019718
## 7923	25	4.160646	35.295826	0.013654
## 7924	25	4.040293	18.721918	0.011239
## 7925	25	2.281066	22.659721	0.011803
## 7926	117	4.094264	14.582808	0.014571
## 7927	66	4.972430	20.252834	0.012616
## 7928	114	5.591633	17.267635	0.012177
## 7929	25	4.086254	12.954617	0.003419
## 7930	27	4.320129	38.197075	0.000686
## 7931	25	1.784220	32.322742	0.000644
## 7932	25	1.233111	43.480980	0.012988
## 7933	31	3.705548	31.197460	0.015135
## 7934	25	2.738862	23.321535	0.018266
## 7935	25	1.367298	16.054703	0.011514
## 7936	168	6.197321	24.996655	0.020607
## 7937	60	6.081395	22.751657	0.023011
## 7938	25	2.131986	39.084530	0.015247
## 7939	25	1.998690	19.387775	0.014790
## 7940	28	1.596076	34.154491	0.022222
## 7941	25	1.403363	18.594891	0.018711
## 7942	25	0.997580	14.716972	0.020116
## 7943	25	1.478429	23.747065	0.019256
## 7944	26	3.714297	33.401463	0.022567
## 7945	25	4.210063	20.802794	0.013174
## 7946	25	2.196473	23.043423	0.017287
## 7947	115	4.273257	15.312807	0.021352

## 7948	66	4.554395	20.301117	0.019649
## 7949	113	5.618908	16.524883	0.019211
## 7950	25	4.108364	13.834150	0.022434
## 7951	25	4.052414	35.096920	0.021846
## 7952	25	2.311818	31.211267	0.015642
## 7953	25	1.967263	42.336533	0.006622
## 7954	25	4.469041	33.857685	0.001950
## 7955	29	2.280741	24.953701	0.008637
## 7956	25	1.393555	17.157906	0.015225
## 7957	25	1.703194	25.940126	0.011613
## 7958	83	6.156055	26.077225	0.019787
## 7959	63	6.614534	20.064838	0.020397
## 7960	60	6.067008	23.704491	0.022583
## 7961	29	1.338112	33.653515	0.020552
## 7962	1110	0.836398	6.490799	0.019053
## 7963	25	2.131607	41.227905	0.014262
## 7964	25	2.892931	26.224226	0.007622
## 7965	25	3.487564	31.164217	0.022273
## 7966	25	3.961061	17.434696	0.013708
## 7967	28	2.276222	19.447149	0.015600
## 7968	108	3.705240	13.280308	0.013884
## 7969	66	4.052691	17.719278	0.015670
## 7970	114	5.241118	16.478907	0.012448
## 7971	25	3.734670	12.519702	0.020911
## 7972	27	3.620126	32.724281	0.011116
## 7973	25	1.835084	29.265163	0.012410
## 7974	25	1.713186	38.349720	0.016355
## 7975	36	4.585363	31.217543	0.008187
## 7976	295	5.817882	22.985168	0.017422
## 7977	25	2.630961	37.710629	0.011498
## 7978	679	1.749298	9.927772	0.017757
## 7979	72	1.260664	13.119769	0.018167
## 7980	169	1.060608	6.664700	0.019358
## 7981	25	5.988303	35.703934	0.010121
## 7982	25	8.359061	37.770840	0.023583
## 7983	54	0.748982	7.104708	0.014624
## 7984	1220	2.712876	12.493490	0.018718
## 7985	66	0.703911	14.969225	0.019718
## 7986	25	2.616143	26.351763	0.014558
## 7987	26	4.244099	23.595957	0.021364
## 7988	32	3.950752	28.809221	0.015561
## 7989	25	2.846267	32.690041	0.015233
## 7990	40	3.218521	28.925211	0.019582
## 7991	155	3.798092	16.298122	0.018966
## 7992	154	2.183742	11.300826	0.019549
## 7993	156	2.700043	12.729660	0.015753
## 7994	91	5.673763	21.479033	0.015758
## 7995	73	0.236856	3.457471	0.011429
## 7996	101	1.118105	11.277157	0.015705
## 7997	104	1.811861	13.307296	0.015416
## 7998	112	1.220583	8.357305	0.015352
## 7999	458	1.251263	8.540227	0.013929
## 8000	70	2.900356	27.096010	0.020997
## 8001	29	2.984830	26.095837	0.013360

## 8002	25	5.028937	24.201136	0.015751
## 8003	27	4.219624	38.081478	0.010277
## 8004	25	3.209630	34.539757	0.015338
## 8005	34	4.109254	36.451042	0.015976
## 8006	155	3.558220	17.679077	0.018436
## 8007	154	2.451854	13.345443	0.017988
## 8008	156	3.656456	16.919579	0.013572
## 8009	91	6.630082	24.474752	0.011656
## 8010	278	2.505928	12.616036	0.015994
## 8011	544	2.589605	14.358305	0.018067
## 8012	73	5.361544	23.648121	0.018170
## 8013	338	2.358454	14.606232	0.018263
## 8014	95	4.078478	21.119223	0.014522
## 8015	49	4.406860	16.816044	0.017851
## 8016	117	0.452233	8.378820	0.015687
## 8017	105	1.301599	9.625400	0.016989
## 8018	237	2.935725	16.246376	0.010687
## 8019	30	1.595675	37.269093	0.005404
## 8020	25	1.471289	19.304890	0.009697
## 8021	25	1.009335	14.422206	0.014494
## 8022	25	1.436922	22.512871	0.018171
## 8023	25	3.911333	33.724133	0.016676
## 8024	25	3.730440	19.744747	0.010480
## 8025	25	2.498147	22.409248	0.014099
## 8026	117	4.350995	14.363966	0.010102
## 8027	66	5.003424	20.204769	0.018538
## 8028	88	5.458469	17.242321	0.016115
## 8029	25	5.375465	13.608955	0.017100
## 8030	25	4.264781	13.171355	0.008287
## 8031	27	4.465152	39.731777	0.014270
## 8032	25	1.368353	29.799606	0.013900
## 8033	25	1.249058	43.155083	0.014559
## 8034	31	3.701566	30.851891	0.014377
## 8035	25	2.261942	22.779377	0.000780
## 8036	25	1.116316	17.988379	0.001743
## 8037	168	6.104055	24.592106	0.018235
## 8038	60	6.038303	23.605223	0.020173
## 8039	25	1.436689	37.270191	0.019260
## 8040	25	1.632369	21.978352	0.018439
## 8041	25	2.180377	19.205290	0.021786
## 8042	25	0.841921	17.905106	0.020744
## 8043	25	3.027240	29.541155	0.018319
## 8044	25	3.505492	29.146145	0.015445
## 8045	25	3.849500	17.228251	0.021775
## 8046	26	2.294969	18.575169	0.020854
## 8047	108	4.202631	14.252349	0.021912
## 8048	66	5.190140	20.551474	0.019957
## 8049	114	5.837899	15.799816	0.021435
## 8050	25	4.059866	12.723804	0.018785
## 8051	27	4.343699	38.002548	0.018245
## 8052	25	1.473414	30.200829	0.017159
## 8053	25	2.594934	41.961864	0.017215
## 8054	31	3.972404	30.030840	0.022160
## 8055	27	2.447683	21.964344	0.022285

## 8056	25	0.870974	14.579342	0.021399
## 8057	102	5.752246	28.433229	0.017548
## 8058	63	6.387519	20.181808	0.016904
## 8059	60	6.004017	24.417351	0.020521
## 8060	25	1.472385	41.324146	0.015122
## 8061	262	0.621599	7.522618	0.022760
## 8062	581	0.888914	8.137154	0.020638
## 8063	582	1.241873	9.203516	0.014673
## 8064	27	2.019608	36.876373	0.004290
## 8065	638	1.213697	8.295507	0.013066
## 8066	339	0.832816	6.922821	0.015435
## 8067	176	3.387820	18.298771	0.016403
## 8068	31	2.008166	15.710305	0.012867
## 8069	346	2.440466	13.879664	0.015494
## 8070	84	1.271721	10.603788	0.013191
## 8071	581	1.163549	9.460074	0.014472
## 8072	417	0.686207	7.429231	0.014618
## 8073	34	2.199404	30.169189	0.011617
## 8074	292	1.496805	10.737493	0.015614
## 8075	26	2.605603	14.938892	0.011834
## 8076	27	2.399417	15.614860	0.015448
## 8077	45	1.627382	13.867251	0.015865
## 8078	647	1.750560	9.800812	0.015430
## 8079	273	0.968892	8.294410	0.013556
## 8080	337	0.417437	5.142094	0.015135
## 8081	55	5.460048	30.448498	0.014144
## 8082	970	3.822044	15.654114	0.016435
## 8083	343	0.543187	5.956524	0.016408
## 8084	185	1.310331	6.066429	0.018798
## 8085	123	1.304344	11.833344	0.016038
## 8086	114	1.388697	11.141079	0.017951
## 8087	133	0.816580	5.398557	0.016032
## 8088	60	3.845904	18.317221	0.015967
## 8089	67	0.685857	5.463085	0.015927
## 8090	118	2.339650	7.620001	0.020896
## 8091	131	4.912026	12.407536	0.012825
## 8092	41	0.431430	2.257729	0.017919
## 8093	75	7.482340	21.595625	0.020436
## 8094	29	4.280523	10.503531	0.017038
## 8095	100	1.551661	6.361174	0.018298
## 8096	25	2.363075	13.453677	0.015636
## 8097	30	1.790936	6.147345	0.016505
## 8098	32	1.087770	4.179261	0.017346
## 8099	32	0.652940	3.599374	0.019353
## 8100	27	0.585665	2.337308	0.016562
## 8101	37	1.231124	8.335085	0.017324
## 8102	63	0.935426	3.277049	0.012428
## 8103	37	1.216986	5.278636	0.009393
## 8104	83	4.766118	7.723611	0.011387
## 8105	73	0.181687	1.402412	0.010627
## 8106	45	1.208001	4.141999	0.014583
## 8107	32	0.656377	7.190077	0.012460
## 8108	29	5.381567	27.225813	0.018540
## 8109	28	1.531699	6.348708	0.012784

## 8110	35	0.443863	1.857011	0.009456
## 8111	71	2.950969	8.227161	0.020204
## 8112	25	2.571086	9.183929	0.013436
## 8113	25	2.155450	7.994377	0.007013
## 8114	38	1.546623	7.803224	0.010048
## 8115	28	1.038157	20.209139	0.012564
## 8116	25	2.860207	16.745453	0.012377
## 8117	25	3.442083	16.499609	0.011691
## 8118	66	2.911114	15.628716	0.011827
## 8119	33	2.125640	7.419152	0.009584
## 8120	25	1.516040	6.727615	0.009201
## 8121	88	1.647726	6.003913	0.015279
## 8122	41	0.238866	0.764993	0.015073
## 8123	25	5.579151	15.004141	0.007322
## 8124	25	2.947667	13.971047	0.014114
## 8125	25	6.403427	16.517891	0.012793
## 8126	37	2.144996	12.002788	0.010168
## 8127	30	4.339328	13.265379	0.009817
## 8128	101	1.235401	6.557995	0.013105
## 8129	38	3.766978	19.075407	0.008867
## 8130	38	2.110521	12.920518	0.011775
## 8131	32	2.319296	11.423365	0.014574
## 8132	34	6.399461	21.679405	0.015904
## 8133	25	4.622516	21.834995	0.016243
## 8134	25	6.148292	18.785017	0.010556
## 8135	25	1.754799	7.820633	0.012782
## 8136	25	3.304747	23.141613	0.015397
## 8137	34	4.965680	17.376713	0.016199
## 8138	30	4.093448	10.448243	0.013736
## 8139	32	5.937804	15.181679	0.013280
## 8140	25	0.227626	1.783749	0.015938
## 8141	31	5.225399	14.372163	0.010017
## 8142	25	1.878018	4.761664	0.010966
## 8143	32	3.080868	10.116405	0.014925
## 8144	79	3.062560	6.167936	0.007600
## 8145	34	2.783377	11.217190	0.011667
## 8146	35	3.413776	13.814824	0.007887
## 8147	41	2.239903	12.204514	0.022356
## 8148	26	3.451329	11.028498	0.018977
## 8149	25	4.416216	15.736511	0.013897
## 8150	37	3.015700	10.904875	0.012518
## 8151	124	1.878000	7.706244	0.011798
## 8152	225	0.651345	3.119316	0.012459
## 8153	25	0.953189	12.152165	0.011096
## 8154	46	0.388470	3.396524	0.011538
## 8155	29	0.338595	1.738717	0.004787
## 8156	138	0.395215	3.729355	0.007429
## 8157	31	1.057637	4.992735	0.004193
## 8158	37	7.230225	15.220676	0.003414
## 8159	55	4.967791	18.123165	0.002168
## 8160	38	4.664104	14.840938	0.006008
## 8161	25	5.545408	15.805111	0.008011
## 8162	131	1.994409	6.152868	0.016155
## 8163	32	0.152473	1.011940	0.008011

## 8164	223	2.104146	6.895597	0.007990
## 8165	107	0.897224	3.306615	0.015713
## 8166	68	0.642570	2.162519	0.015704
## 8167	26	2.275081	5.824603	0.017138
## 8168	122	0.588257	2.902322	0.014142
## 8169	25	1.269569	4.596650	0.003414
## 8170	41	3.305475	17.695391	0.013673
## 8171	25	2.260747	12.488372	0.011581
## 8172	25	2.652614	11.986004	0.005567
## 8173	36	2.720711	13.736933	0.011980
## 8174	25	3.419789	27.072109	0.007372
## 8175	54	3.294534	8.978892	0.005732
## 8176	32	2.769801	22.352610	0.002606
## 8177	63	2.918818	11.419482	0.009366
## 8178	65	3.070884	14.832116	0.012356
## 8179	25	2.571541	10.853450	0.011305
## 8180	25	0.722690	5.917655	0.013533
## 8181	26	2.570666	17.865828	0.016294
## 8182	43	2.739121	8.184910	0.011925
## 8183	95	1.291660	7.727845	0.012468
## 8184	84	0.369939	2.240498	0.011645
## 8185	43	2.764091	8.357171	0.009106
## 8186	64	1.825353	5.585227	0.007222
## 8187	32	1.264671	6.708025	0.001807
## 8188	29	2.294938	4.959457	0.001784
## 8189	25	0.785451	4.513843	0.001733
## 8190	40	2.583225	9.529480	0.007225
## 8191	25	2.834879	8.844191	0.009738
## 8192	32	2.947705	10.026138	0.011318
## 8193	26	0.376424	1.006137	0.009923
## 8194	56	4.558264	9.268224	0.012179
## 8195	30	3.138728	12.682789	0.012099
## 8196	31	1.725364	8.365784	0.012008
## 8197	53	2.566921	7.109985	0.015766
## 8198	25	4.235977	7.505644	0.015661
## 8199	29	1.608366	3.952536	0.014737
## 8200	26	2.352232	5.763828	0.017859
## 8201	55	3.296242	8.772159	0.019726
## 8202	25	1.625485	6.132065	0.021584
## 8203	105	3.547881	9.390162	0.029217
## 8204	25	0.661714	12.012753	0.015231
## 8205	26	1.732261	14.510557	0.015377
## 8206	25	4.852622	47.479248	0.021929
## 8207	31	5.030152	25.126734	0.019030
## 8208	29	1.128565	7.345208	0.008549
## 8209	76	3.744983	22.231167	0.013828
## 8210	91	2.933807	12.549831	0.013922
## 8211	183	3.372901	13.728629	0.017738
## 8212	57	3.549524	20.775385	0.017648
## 8213	28	3.881088	46.936428	0.018438
## 8214	106	1.292137	6.373355	0.018443
## 8215	143	2.339725	14.538849	0.024056
## 8216	157	1.538067	6.697003	0.019843
## 8217	25	3.879220	19.716005	0.016842

## 8218	27	2.880714	15.622699	0.026071
## 8219	33	3.129967	19.027355	0.013691
## 8220	25	4.418834	36.096130	0.018024
## 8221	25	3.857743	20.570183	0.018351
## 8222	25	3.158289	24.977861	0.014020
## 8223	122	5.159233	16.171602	0.018015
## 8224	66	5.980280	22.287388	0.017875
## 8225	114	6.970305	17.424328	0.019364
## 8226	25	5.056135	14.364045	0.021404
## 8227	25	4.578157	36.851273	0.015256
## 8228	25	3.380156	30.767595	0.019362
## 8229	25	3.451535	41.792431	0.017537
## 8230	25	4.594080	34.217133	0.019547
## 8231	28	2.643911	25.575695	0.022871
## 8232	25	1.851327	18.364342	0.017265
## 8233	25	2.329575	25.077147	0.013635
## 8234	147	7.407250	24.506683	0.015442
## 8235	60	6.758905	24.503729	0.017316
## 8236	25	2.419223	40.454838	0.016210
## 8237	434	3.323740	15.623183	0.022113
## 8238	351	3.439495	15.887540	0.020882
## 8239	198	2.983160	15.849174	0.017844
## 8240	163	4.100402	18.315435	0.015897
## 8241	1138	4.085829	17.484974	0.015651
## 8242	73	3.166439	16.833937	0.014500
## 8243	339	1.526201	8.627816	0.015055
## 8244	25	2.394722	23.296965	0.000365
## 8245	231	0.999817	9.487947	0.015717
## 8246	201	2.273908	15.483777	0.012720
## 8247	1503	1.558656	10.547320	0.015640
## 8248	361	0.625285	6.276918	0.017260
## 8249	1945	1.440366	10.158909	0.016377
## 8250	439	0.785400	6.064506	0.018746
## 8251	25	5.641939	49.882389	0.015130
## 8252	208	1.894624	11.979518	0.016805
## 8253	256	2.148186	15.913401	0.014919
## 8254	39	1.749219	18.646620	0.015077
## 8255	47	1.493245	12.831303	0.012483
## 8256	134	2.302209	16.865986	0.014961
## 8257	279	1.357984	11.721449	0.015502
## 8258	722	1.291021	9.536412	0.016404
## 8259	188	1.270669	12.340174	0.018072
## 8260	184	1.523834	13.504533	0.017078
## 8261	25	6.604547	44.501392	0.014107
## 8262	25	2.004321	16.588938	0.014975
## 8263	176	0.799271	9.637577	0.018269
## 8264	25	2.025064	21.210382	0.015565
## 8265	413	4.779656	18.255491	0.015241
## 8266	25	4.999533	42.006142	0.010355
## 8267	49	3.765266	18.163588	0.022735
## 8268	111	4.470360	16.564911	0.024573
## 8269	54	1.063742	9.002418	0.021957
## 8270	36	3.071681	8.413376	0.015945
## 8271	29	1.208326	3.262164	0.008375

## 8272	32	1.221588	6.432348	0.010698
## 8273	29	1.902146	3.983644	0.011523
## 8274	25	0.652750	4.025736	0.005475
## 8275	40	2.875300	9.707280	0.011996
## 8276	25	2.315794	7.640908	0.009378
## 8277	32	2.201265	8.794325	0.011234
## 8278	26	0.384007	0.960302	0.012029
## 8279	56	4.286065	8.818201	0.013036
## 8280	27	2.532489	11.277690	0.015577
## 8281	34	0.747523	5.665498	0.013278
## 8282	53	2.814441	7.026787	0.014753
## 8283	25	4.007725	6.820693	0.014884
## 8284	29	0.929755	2.905992	0.014506
## 8285	27	2.389803	6.072037	0.015020
## 8286	25	3.797895	7.953386	0.016215
## 8287	28	2.291723	5.706350	0.011891
## 8288	25	1.791625	6.604878	0.012759
## 8289	105	3.388304	8.558695	0.023346
## 8290	25	0.732453	9.225992	0.016940
## 8291	61	3.312134	7.554178	0.009170
## 8292	53	4.952226	15.197294	0.009211
## 8293	30	2.067382	6.747360	0.008457
## 8294	32	3.382968	19.336857	0.009914
## 8295	25	5.019111	28.409880	0.011247
## 8296	25	4.026284	21.683887	0.009938
## 8297	40	2.457569	11.658571	0.008843
## 8298	43	3.423679	14.514703	0.011589
## 8299	71	1.908141	7.601997	0.012436
## 8300	27	2.387785	10.925909	0.005010
## 8301	25	1.539887	5.899935	0.006757
## 8302	34	1.370578	3.363183	0.008329
## 8303	37	2.106853	15.794295	0.008705
## 8304	37	2.919766	15.725426	0.007142
## 8305	32	1.075696	4.884287	0.005021
## 8306	33	0.468626	2.407006	0.012458
## 8307	26	0.945423	3.723461	0.012470
## 8308	38	1.274135	8.561078	0.011876
## 8309	62	0.959462	3.217285	0.011573
## 8310	37	1.416897	6.478615	0.008323
## 8311	83	4.961317	7.265819	0.014834
## 8312	249	0.689808	3.546118	0.008909
## 8313	45	3.502624	15.868373	0.006428
## 8314	40	2.786067	13.933386	0.008811
## 8315	31	1.765131	8.286261	0.016277
## 8316	25	3.016533	22.073105	0.010829
## 8317	27	1.563879	4.665701	0.012543
## 8318	31	3.868779	16.412373	0.015073
## 8319	43	7.334021	17.990271	0.015991
## 8320	33	2.355896	8.691344	0.016347
## 8321	26	0.911465	3.564504	0.014649
## 8322	35	2.491537	11.031746	0.018661
## 8323	99	2.308974	9.211372	0.021460
## 8324	51	2.940813	7.480041	0.018985
## 8325	34	2.612206	7.219496	0.007708

## 8326	43	0.846095	6.910628	0.014311
## 8327	56	1.921922	11.073968	0.015478
## 8328	32	1.746706	6.363503	0.013636
## 8329	81	3.201799	7.753899	0.017701
## 8330	62	3.572711	10.734781	0.016697
## 8331	42	2.620660	10.517948	0.006113
## 8332	25	2.686315	8.444580	0.000529
## 8333	25	4.675022	21.078150	0.001815
## 8334	29	4.478888	14.870853	0.006650
## 8335	29	3.470967	14.733842	0.003795
## 8336	25	2.101136	9.997407	0.007150
## 8337	37	2.880439	8.383212	0.005552
## 8338	25	2.927907	11.273912	0.005007
## 8339	45	7.292327	16.772318	0.006277
## 8340	71	1.245394	4.722466	0.007605
## 8341	43	0.192265	1.944917	0.016375
## 8342	76	0.772335	7.420374	0.014622
## 8343	36	3.561580	9.038016	0.014566
## 8344	25	2.214192	8.082231	0.009482
## 8345	84	1.364980	4.685365	0.012141
## 8346	54	0.592586	3.603236	0.013625
## 8347	25	3.156883	11.465309	0.006900
## 8348	25	5.798561	13.090320	0.011721
## 8349	25	1.234114	5.385681	0.007772
## 8350	43	2.247930	8.282722	0.009116
## 8351	25	2.060945	6.318996	0.004655
## 8352	44	1.803466	5.807750	0.006013
## 8353	25	1.670966	7.649254	0.007750
## 8354	64	1.495160	4.898044	0.010926
## 8355	28	0.835708	3.010035	0.010144
## 8356	54	1.603933	5.182544	0.010977
## 8357	34	2.520591	6.852277	0.011272
## 8358	94	1.235651	4.167926	0.010090
## 8359	59	0.852453	3.599366	0.010140
## 8360	25	2.018723	5.829028	0.011855
## 8361	25	0.706060	4.464118	0.010140
## 8362	25	1.678702	4.444230	0.012965
## 8363	34	3.108602	9.604063	0.005770
## 8364	25	1.767278	13.984790	0.002290
## 8365	77	0.992532	4.332053	0.012085
## 8366	94	0.789594	3.091401	0.016169
## 8367	49	0.340395	2.389996	0.018495
## 8368	79	0.429617	1.799921	0.019066
## 8369	124	0.633450	1.908850	0.016162
## 8370	25	1.472827	11.609664	0.016321
## 8371	34	2.336590	11.887499	0.010775
## 8372	241	3.600848	11.872875	0.013264
## 8373	85	4.460787	10.635750	0.016725
## 8374	144	1.717822	7.084310	0.012253
## 8375	143	4.009923	14.024166	0.012974
## 8376	63	3.122599	9.347537	0.014741
## 8377	33	4.272519	12.269871	0.013414
## 8378	25	1.931538	13.851562	0.011088
## 8379	47	1.763095	10.673331	0.015554

## 8380	34	2.493713	9.248534	0.016261
## 8381	31	0.529273	5.657905	0.011571
## 8382	33	3.951583	13.512260	0.022720
## 8383	25	0.306026	5.785829	0.014511
## 8384	95	4.536693	10.494818	0.017620
## 8385	51	0.429595	3.878378	0.016566
## 8386	31	1.365787	5.912851	0.016908
## 8387	41	3.890011	9.150066	0.014548
## 8388	64	1.776053	6.421948	0.003349
## 8389	137	1.436530	7.111306	0.012573
## 8390	44	2.246580	8.704914	0.013837
## 8391	45	0.762009	3.177668	0.010115
## 8392	34	8.104145	21.016006	0.013747
## 8393	37	1.204081	7.697067	0.017741
## 8394	81	2.778663	8.683721	0.014130
## 8395	172	3.321432	8.728973	0.016115
## 8396	53	0.084159	1.124167	0.015756
## 8397	249	0.701708	3.925123	0.011584
## 8398	58	3.936361	8.289752	0.008628
## 8399	37	4.576169	14.560167	0.008303
## 8400	28	3.518002	7.934947	0.008008
## 8401	25	4.210405	10.105622	0.005395
## 8402	37	4.609200	10.496640	0.009282
## 8403	33	3.508015	12.389294	0.006963
## 8404	31	2.062722	6.597055	0.008657
## 8405	44	3.754833	13.547253	0.018041
## 8406	46	4.918647	12.876457	0.015720
## 8407	27	3.613558	10.217680	0.020130
## 8408	26	4.460780	14.733530	0.016701
## 8409	31	2.571063	8.698232	0.021578
## 8410	25	2.391818	15.075687	0.022084
## 8411	25	2.355560	10.416386	0.018725
## 8412	36	6.050578	14.557194	0.016694
## 8413	25	4.737057	22.932158	0.021784
## 8414	28	1.710349	9.794550	0.017867
## 8415	28	2.811740	7.426682	0.020679
## 8416	33	1.374439	17.755472	0.014474
## 8417	107	0.586260	5.102635	0.022609
## 8418	123	0.689085	5.021098	0.021906
## 8419	124	0.674886	5.640879	0.013045
## 8420	83	1.372067	5.041195	0.006854
## 8421	26	0.799639	2.240930	0.006346
## 8422	43	0.288174	3.548168	0.011458
## 8423	51	1.527546	9.816301	0.009054
## 8424	37	1.493806	8.147228	0.011493
## 8425	25	0.811157	5.782870	0.002117
## 8426	28	1.998941	11.522614	0.000965
## 8427	27	0.800364	10.250767	0.001636
## 8428	57	1.968835	13.027779	0.015326
## 8429	25	1.556020	14.013348	0.015497
## 8430	34	2.109941	10.230968	0.017258
## 8431	69	2.068603	9.600163	0.019198
## 8432	97	1.307985	5.545428	0.018323
## 8433	25	0.581249	2.443154	0.017543

## 8434	71	1.024627	5.400995	0.019408
## 8435	55	1.206809	4.696590	0.017630
## 8436	28	2.703272	21.116741	0.014000
## 8437	25	1.047016	7.789594	0.004766
## 8438	35	3.711282	14.132512	0.002416
## 8439	25	1.028795	16.320284	0.000603
## 8440	40	2.852086	14.655765	0.003830
## 8441	28	1.770424	14.789919	0.011628
## 8442	34	3.341445	16.508507	0.014956
## 8443	45	2.803695	13.680984	0.022329
## 8444	44	0.973791	5.126010	0.022283
## 8445	110	1.363867	5.149999	0.019143
## 8446	225	1.824558	4.508767	0.010504
## 8447	36	0.501585	8.698269	0.003828
## 8448	41	0.529427	2.366997	0.015209
## 8449	25	5.895683	36.246159	0.005281
## 8450	25	7.730720	40.662586	0.010119
## 8451	32	0.316911	5.293479	0.002537
## 8452	105	2.686775	11.757016	0.005465
## 8453	42	2.820364	12.144200	0.020514
## 8454	125	3.780345	15.930001	0.024039
## 8455	34	3.216789	15.896545	0.021788
## 8456	104	2.894190	16.426668	0.018699
## 8457	93	3.154454	19.237942	0.017697
## 8458	42	3.124324	21.224775	0.018138
## 8459	38	2.892038	18.253012	0.019829
## 8460	35	2.986244	13.738405	0.009035
## 8461	25	2.335734	23.021469	0.018662
## 8462	25	3.168254	23.579300	0.011568
## 8463	25	4.542892	38.109024	0.016632
## 8464	84	3.944051	16.126234	0.015268
## 8465	309	3.299180	13.229925	0.016764
## 8466	91	3.623631	21.186995	0.018784
## 8467	126	3.178681	18.414864	0.014812
## 8468	25	2.309112	28.211226	0.013616
## 8469	59	3.352488	14.897531	0.015659
## 8470	768	2.758336	13.956387	0.016142
## 8471	211	1.862102	15.883416	0.017094
## 8472	240	1.214810	9.831135	0.015616
## 8473	25	4.725164	40.259781	0.013553
## 8474	25	3.159175	30.447893	0.021728
## 8475	126	1.044480	9.384897	0.017901
## 8476	550	1.709806	12.502883	0.014794
## 8477	1202	1.420317	9.987440	0.017907
## 8478	29	5.109059	52.728848	0.016131
## 8479	299	0.751968	6.760859	0.014582
## 8480	656	1.450923	10.100467	0.018870
## 8481	37	3.594675	34.402153	0.016229
## 8482	25	2.208626	35.941158	0.018835
## 8483	402	0.390956	4.347654	0.017582
## 8484	207	3.912675	15.792570	0.019394
## 8485	41	4.993263	35.592579	0.016609
## 8486	497	2.677938	13.752810	0.016690
## 8487	85	2.744283	13.967246	0.010378

## 8488	922	2.013932	14.052216	0.016146
## 8489	641	2.079852	12.800694	0.016704
## 8490	405	2.372716	16.430403	0.014420
## 8491	76	2.549711	16.600803	0.011600
## 8492	49	3.910656	15.789367	0.010692
## 8493	111	4.538260	17.029415	0.014090
## 8494	84	0.900769	6.993256	0.010972
## 8495	36	3.211009	8.654572	0.028878
## 8496	29	1.258114	4.081985	0.024906
## 8497	32	1.194154	6.467250	0.023315
## 8498	29	1.778430	3.934068	0.021152
## 8499	25	0.642592	3.991722	0.019737
## 8500	40	2.831632	9.143764	0.022090
## 8501	25	2.409753	7.669506	0.020396
## 8502	32	2.607743	9.243262	0.013539
## 8503	26	0.357575	0.929639	0.007967
## 8504	56	4.536384	9.250081	0.012880
## 8505	27	2.582202	11.998720	0.009507
## 8506	34	0.732931	5.668755	0.009982
## 8507	53	2.774880	6.382132	0.012551
## 8508	25	4.019510	7.266754	0.011588
## 8509	29	0.710799	2.037926	0.014478
## 8510	29	2.609491	7.307163	0.012216
## 8511	52	3.256936	8.527629	0.016379
## 8512	25	1.847631	6.968233	0.015196
## 8513	31	4.179990	9.008639	0.013866
## 8514	73	2.777082	7.581050	0.017083
## 8515	25	1.848201	11.402504	0.015009
## 8516	28	2.264842	7.052117	0.015316
## 8517	144	2.875334	10.750647	0.019768
## 8518	72	4.966402	11.146572	0.020723
## 8519	249	0.539241	3.614752	0.016958
## 8520	53	13.986323	16.849808	0.010197
## 8521	72	0.923759	3.668941	0.006478
## 8522	50	0.791195	2.710922	0.007489
## 8523	37	2.368969	5.699863	0.008020
## 8524	82	4.731083	9.343647	0.009306
## 8525	40	1.676581	9.767372	0.015890
## 8526	34	9.407384	15.353898	0.009477
## 8527	124	0.701585	5.863223	0.019346
## 8528	25	1.234808	4.618952	0.016667
## 8529	41	3.270380	16.591919	0.017463
## 8530	25	2.392422	12.491886	0.015207
## 8531	25	1.706732	9.907705	0.012529
## 8532	36	2.880374	14.061895	0.011307
## 8533	25	2.871621	25.155987	0.019710
## 8534	54	3.098249	8.146803	0.014732
## 8535	32	2.650883	22.221294	0.018314
## 8536	63	2.614507	10.518805	0.004336
## 8537	65	2.729464	13.539650	0.002651
## 8538	25	2.443386	9.714647	0.009485
## 8539	25	0.729928	5.918176	0.009252
## 8540	26	2.600294	17.678633	0.009475
## 8541	43	2.474888	7.943464	0.009054

## 8542	95	1.151878	7.113347	0.011769
## 8543	84	0.396092	2.363153	0.014286
## 8544	43	2.535004	7.376565	0.014584
## 8545	62	3.431221	10.422678	0.017112
## 8546	42	2.153434	9.136372	0.018669
## 8547	25	2.713050	9.013838	0.023461
## 8548	25	4.142019	19.986134	0.025443
## 8549	29	4.328563	15.149210	0.022471
## 8550	29	3.154968	13.919786	0.018130
## 8551	25	2.118831	10.118494	0.017200
## 8552	37	2.724301	7.337422	0.021822
## 8553	25	2.948411	12.098986	0.017640
## 8554	45	7.162061	16.548468	0.000566
## 8555	71	1.286973	4.897341	0.004946
## 8556	43	0.397498	2.176583	0.005987
## 8557	76	0.809488	7.715292	0.005649
## 8558	36	3.647719	9.728292	0.006225
## 8559	110	1.448919	5.180353	0.013195
## 8560	54	0.160291	2.259417	0.014425
## 8561	55	1.114152	5.942729	0.014624
## 8562	41	3.419025	21.318136	0.012132
## 8563	27	1.526218	5.018520	0.008747
## 8564	47	1.075451	5.833230	0.012791
## 8565	25	1.547377	10.551874	0.014290
## 8566	39	1.600878	11.348194	0.010156
## 8567	43	3.649184	15.512561	0.011601
## 8568	35	2.553995	13.883581	0.010348
## 8569	26	2.188986	5.353036	0.015418
## 8570	30	0.844915	4.628267	0.017804
## 8571	25	3.462756	25.643583	0.018679
## 8572	29	3.439263	20.637568	0.014193
## 8573	38	0.777241	4.039884	0.015031
## 8574	25	2.294370	13.944013	0.013425
## 8575	25	4.656446	17.226240	0.016000
## 8576	98	0.972562	4.480865	0.019542
## 8577	113	0.769533	3.408141	0.016950
## 8578	103	5.679047	18.227348	0.017512
## 8579	39	4.166397	14.081760	0.016970
## 8580	25	5.129108	14.658887	0.016725
## 8581	131	1.675156	5.193167	0.016162
## 8582	32	0.253862	1.268987	0.011034
## 8583	223	1.850800	6.007147	0.010520
## 8584	107	0.890719	3.551846	0.007530
## 8585	68	0.749111	3.049656	0.003998
## 8586	25	0.291013	1.432769	0.013760
## 8587	123	0.216509	1.618322	0.012815
## 8588	124	4.287978	11.354888	0.011509
## 8589	92	5.468225	18.169043	0.012014
## 8590	33	4.071836	12.126338	0.012308
## 8591	162	3.670808	10.026218	0.009239
## 8592	25	2.515129	9.175851	0.012725
## 8593	42	2.652471	8.013330	0.012599
## 8594	25	1.745480	6.921042	0.015704
## 8595	38	2.103983	16.694944	0.009769

## 8596	25	1.740231	15.523202	0.009290
## 8597	34	0.221972	2.487729	0.015074
## 8598	35	4.471484	8.710444	0.015408
## 8599	45	0.172468	2.757997	0.012768
## 8600	55	0.537553	3.887869	0.022427
## 8601	41	3.245703	12.435673	0.019353
## 8602	67	4.719490	17.110386	0.024307
## 8603	43	3.373506	12.702325	0.021704
## 8604	108	0.697804	5.703365	0.020682
## 8605	164	0.642198	3.378915	0.021993
## 8606	107	2.782548	12.168594	0.023486
## 8607	39	3.132160	12.756196	0.022624
## 8608	135	3.728145	12.525920	0.013096
## 8609	33	5.067907	32.921448	0.015663
## 8610	98	3.139424	16.736956	0.013033
## 8611	39	3.100962	27.666685	0.013269
## 8612	46	4.559312	30.016113	0.011890
## 8613	25	2.856223	20.377291	0.021368
## 8614	424	2.675165	13.036286	0.017781
## 8615	72	2.847713	16.181263	0.018155
## 8616	104	2.133116	13.801579	0.012214
## 8617	288	2.513269	15.257677	0.013724
## 8618	169	2.216341	15.352662	0.016978
## 8619	444	1.492967	11.569887	0.017951
## 8620	641	2.029374	12.541504	0.016468
## 8621	68	2.116659	15.565163	0.019305
## 8622	117	2.322857	14.858889	0.017090
## 8623	218	2.313808	16.839008	0.015395
## 8624	61	2.888951	18.702818	0.011281
## 8625	327	2.074566	13.241607	0.014990
## 8626	26	6.248462	44.378384	0.011161
## 8627	125	3.912562	17.317823	0.015285
## 8628	165	2.117644	18.036509	0.018396
## 8629	80	6.310224	43.676437	0.018652
## 8630	93	3.025456	21.866314	0.017369
## 8631	169	4.869975	19.105476	0.018762
## 8632	67	4.287168	18.477024	0.007870
## 8633	29	5.013346	44.116695	0.011575
## 8634	65	9.599319	41.329250	0.020580
## 8635	152	1.544921	9.561086	0.016100
## 8636	149	1.518342	8.103589	0.015998
## 8637	101	2.455139	14.007461	0.018212
## 8638	68	4.282530	25.607704	0.010547
## 8639	611	1.297692	8.794991	0.015648
## 8640	25	5.409278	39.339275	0.017138
## 8641	70	1.510340	7.649909	0.013479
## 8642	30	1.733704	20.756226	0.017310
## 8643	38	2.040633	16.597500	0.011205
## 8644	112	0.775899	5.325675	0.015377
## 8645	291	0.685603	5.679658	0.014569
## 8646	89	2.944041	20.359377	0.015703
## 8647	466	1.070369	8.173213	0.017700
## 8648	169	2.204692	14.799294	0.014994
## 8649	159	1.664326	11.940211	0.015678

## 8650	1113	1.791356	10.258418	0.015681
## 8651	636	1.534462	9.864053	0.016125
## 8652	171	1.634333	11.937990	0.018681
## 8653	263	1.824514	15.376310	0.018623
## 8654	26	1.201106	9.333625	0.021371
## 8655	172	1.261671	9.710589	0.012221
## 8656	39	1.214699	9.819821	0.011797
## 8657	137	1.054562	7.500741	0.013247
## 8658	117	2.821037	12.993343	0.015586
## 8659	307	3.400416	13.617816	0.015957
## 8660	33	2.783948	27.724724	0.015129
## 8661	58	3.906112	17.083933	0.015631
## 8662	54	3.522782	23.854485	0.013474
## 8663	157	2.439476	18.014484	0.014281
## 8664	481	1.940346	10.507391	0.015932
## 8665	25	1.579780	12.595249	0.010875
## 8666	25	3.176060	30.184528	0.015401
## 8667	40	4.774570	33.005096	0.019955
## 8668	29	1.017377	6.604203	0.016402
## 8669	76	3.443969	20.852655	0.017918
## 8670	91	2.714930	11.291726	0.015371
## 8671	183	3.116531	12.722429	0.018696
## 8672	58	3.438739	21.332344	0.024165
## 8673	27	3.677156	44.190098	0.018637
## 8674	99	1.253848	6.708620	0.021564
## 8675	150	2.189898	15.626412	0.018436
## 8676	65	3.535487	11.448834	0.017577
## 8677	42	3.176827	12.232109	0.016495
## 8678	25	3.283258	11.863335	0.017245
## 8679	25	4.399058	20.225815	0.017291
## 8680	29	4.520732	16.586020	0.016895
## 8681	29	3.519340	15.791808	0.019895
## 8682	25	2.220096	11.329198	0.020751
## 8683	37	2.703364	7.276917	0.016781
## 8684	25	2.831136	11.021759	0.016200
## 8685	45	6.942636	15.284009	0.021259
## 8686	71	1.148418	4.101094	0.018066
## 8687	43	0.061681	1.048130	0.005245
## 8688	76	0.587945	6.520817	0.003834
## 8689	36	3.614975	9.338844	0.006100
## 8690	110	1.427713	4.760044	0.006507
## 8691	54	0.624900	4.583104	0.006333
## 8692	108	9.903652	13.330171	0.015263
## 8693	28	1.575852	6.054206	0.015605
## 8694	107	1.109598	3.404281	0.013833
## 8695	127	2.220284	6.204385	0.013598
## 8696	37	2.500918	12.283704	0.011693
## 8697	36	1.335726	5.407289	0.010878
## 8698	33	2.520092	11.954393	0.014523
## 8699	46	2.910280	9.642499	0.015087
## 8700	26	2.488348	13.358828	0.013367
## 8701	65	5.938349	15.231476	0.008466
## 8702	211	2.819321	10.368696	0.011216
## 8703	47	1.054884	5.245905	0.015992

## 8704	43	1.142979	6.601104	0.017493
## 8705	45	0.367330	2.651073	0.021535
## 8706	49	1.212030	7.507790	0.017541
## 8707	28	2.917403	14.521604	0.015000
## 8708	45	1.008716	3.848608	0.010989
## 8709	25	0.169862	7.072964	0.006396
## 8710	25	4.607333	29.261414	0.012098
## 8711	162	4.232129	13.514953	0.010504
## 8712	86	5.603289	14.718720	0.011658
## 8713	143	1.661526	8.787610	0.014883
## 8714	131	3.972498	14.071249	0.012237
## 8715	65	3.560443	11.357308	0.016260
## 8716	40	4.079829	11.025204	0.016672
## 8717	40	2.977486	10.512963	0.008414
## 8718	25	4.605690	12.128605	0.007885
## 8719	25	0.559698	8.786809	0.007636
## 8720	227	0.802583	4.741808	0.013754
## 8721	28	1.804887	14.590066	0.012045
## 8722	25	1.588380	5.602334	0.012521
## 8723	25	1.020771	4.226716	0.012566
## 8724	35	1.939842	10.420645	0.016696
## 8725	98	2.161809	8.322958	0.015366
## 8726	51	2.560550	5.998192	0.002161
## 8727	34	2.357089	5.780048	0.007330
## 8728	43	0.816247	7.003545	0.006693
## 8729	56	1.227740	8.970317	0.007619
## 8730	32	1.352520	3.336362	0.008005
## 8731	81	3.031696	6.997937	0.010323
## 8732	54	1.775813	7.810596	0.022925
## 8733	68	0.677218	4.705399	0.019607
## 8734	36	0.981085	9.392300	0.019029
## 8735	87	0.377891	3.038060	0.012702
## 8736	38	3.464824	16.844461	0.014706
## 8737	38	1.978161	12.117564	0.013647
## 8738	32	1.718710	9.076925	0.016907
## 8739	39	5.745168	20.352247	0.016112
## 8740	44	5.893528	17.938469	0.015842
## 8741	27	1.224224	5.599220	0.015086
## 8742	25	3.296258	22.664831	0.011109
## 8743	34	4.478670	15.498433	0.013948
## 8744	30	3.931707	10.326604	0.011618
## 8745	32	5.243590	12.517225	0.012116
## 8746	25	0.039066	1.164913	0.000456
## 8747	25	3.204938	20.589855	0.008888
## 8748	27	1.816370	7.159428	0.003505
## 8749	33	1.985282	6.729407	0.012278
## 8750	31	1.004049	4.839830	0.003938
## 8751	27	1.392090	5.437560	0.006146
## 8752	36	1.940349	11.272279	0.009682
## 8753	64	0.716835	3.880035	0.012194
## 8754	37	1.202488	5.237180	0.010999
## 8755	86	4.210194	6.015475	0.011715
## 8756	123	0.494299	3.728560	0.013121
## 8757	124	0.446493	4.362092	0.011369

## 8758	211	1.746480	6.763854	0.014035
## 8759	37	0.806762	6.743880	0.014665
## 8760	84	1.091064	4.646857	0.013625
## 8761	102	0.656964	2.385718	0.006600
## 8762	345	0.658308	3.503372	0.007987
## 8763	90	0.507737	5.961353	0.017719
## 8764	25	7.765634	22.258766	0.012264
## 8765	27	3.010589	15.052382	0.013598
## 8766	55	7.618224	20.838900	0.015361
## 8767	26	4.187269	17.820807	0.013685
## 8768	33	4.248793	24.092226	0.013805
## 8769	77	2.382527	9.433700	0.014493
## 8770	64	1.589206	4.895871	0.015660
## 8771	32	1.262208	6.901430	0.014708
## 8772	29	1.438810	2.510440	0.014159
## 8773	25	0.672527	4.234170	0.011391
## 8774	40	2.439646	8.599994	0.014661
## 8775	25	2.905056	8.809198	0.013694
## 8776	32	2.284217	8.570305	0.015730
## 8777	26	0.620538	2.322660	0.011287
## 8778	56	5.254696	12.185925	0.022480
## 8779	28	2.946022	12.751485	0.020037
## 8780	33	1.151953	8.412556	0.019457
## 8781	53	2.759086	9.015285	0.017517
## 8782	25	4.116895	7.517855	0.012471
## 8783	29	0.654734	2.182680	0.009740
## 8784	27	2.454844	6.260136	0.008699
## 8785	25	2.821918	6.647308	0.008946
## 8786	28	2.387495	6.390783	0.010734
## 8787	25	1.558928	5.918892	0.014530
## 8788	105	3.257520	8.358907	0.012004
## 8789	25	0.655835	5.893080	0.012270
## 8790	25	0.568839	2.139631	0.015164
## 8791	211	2.087027	6.913217	0.017301
## 8792	59	1.058139	4.652723	0.017891
## 8793	50	0.995640	5.583842	0.016895
## 8794	148	0.304290	1.976476	0.023544
## 8795	25	4.044758	28.781662	0.012573
## 8796	164	4.292862	14.023655	0.011449
## 8797	85	5.143624	12.102531	0.015548
## 8798	143	2.265620	10.799235	0.014463
## 8799	64	3.762273	14.298455	0.011728
## 8800	29	2.531777	11.894296	0.005651
## 8801	36	5.976972	18.516727	0.008113
## 8802	65	3.682726	11.834606	0.010554
## 8803	40	4.256012	12.093384	0.017871
## 8804	40	3.271482	11.585951	0.014632
## 8805	25	5.169895	14.933476	0.020357
## 8806	25	0.827124	15.129631	0.012675
## 8807	45	0.174214	1.924418	0.009567
## 8808	29	0.314492	1.756610	0.008755
## 8809	138	0.203214	2.579324	0.013539
## 8810	31	0.155573	2.455502	0.015380
## 8811	46	2.088950	8.888083	0.017711

## 8812	25	2.311457	8.002055	0.010679
## 8813	36	1.435593	5.117223	0.013237
## 8814	25	1.595826	7.218154	0.015681
## 8815	25	1.126063	5.795509	0.015563
## 8816	27	1.141688	6.171803	0.017923
## 8817	37	0.924302	3.605519	0.017835
## 8818	25	5.566476	16.175850	0.018974
## 8819	207	2.461419	7.876474	0.013314
## 8820	47	1.046457	5.321940	0.014945
## 8821	43	1.179855	6.915905	0.018066
## 8822	45	0.395320	2.838100	0.013009
## 8823	49	1.171695	7.812693	0.015865
## 8824	28	3.141011	16.020504	0.021182
## 8825	45	2.053207	7.574689	0.014702
## 8826	25	1.762260	7.684067	0.009974
## 8827	37	3.784038	18.873575	0.018308
## 8828	38	2.422747	15.243869	0.015676
## 8829	32	1.817040	10.858890	0.008653
## 8830	39	5.792971	20.986437	0.012268
## 8831	44	6.006351	18.573671	0.006659
## 8832	27	1.246378	5.742157	0.015822
## 8833	25	3.280854	23.221434	0.006593
## 8834	34	4.670203	16.024515	0.010731
## 8835	30	4.155883	10.447394	0.011485
## 8836	32	5.328823	12.944452	0.015352
## 8837	25	0.161558	1.609772	0.004970
## 8838	25	2.416029	14.033031	0.017327
## 8839	30	1.881185	6.566407	0.008254
## 8840	32	0.274540	2.461442	0.014110
## 8841	60	0.832365	3.700504	0.019532
## 8842	38	1.305856	9.567096	0.013152
## 8843	62	1.449349	5.897306	0.013154
## 8844	36	1.746615	7.697356	0.012501
## 8845	84	5.400874	10.374830	0.012839
## 8846	73	0.249017	1.485080	0.014439
## 8847	45	1.125316	4.018116	0.010654
## 8848	32	0.747237	6.274004	0.011863
## 8849	29	5.479778	28.011564	0.012907
## 8850	28	1.197046	4.380120	0.013466
## 8851	35	0.461653	2.795496	0.006550
## 8852	71	2.934587	8.039905	0.017036
## 8853	25	1.608193	6.697896	0.008354
## 8854	25	2.129664	8.003812	0.013977
## 8855	38	1.309052	6.205768	0.014536
## 8856	28	1.046089	20.205606	0.014534
## 8857	25	2.352612	14.958691	0.008736
## 8858	25	3.306109	16.213425	0.011578
## 8859	66	3.939263	18.964342	0.018341
## 8860	33	1.594929	6.397279	0.015908
## 8861	25	1.837188	9.344836	0.016117
## 8862	88	1.730462	7.552248	0.017371
## 8863	39	0.811848	3.659729	0.006926
## 8864	25	2.045641	19.730440	0.019790
## 8865	33	6.244220	23.185011	0.011312

## 8866	25	6.483429	49.161861	0.011444
## 8867	183	0.342786	4.312145	0.018950
## 8868	104	0.414186	7.344989	0.019177
## 8869	146	1.729717	6.776646	0.018414
## 8870	42	3.376957	16.117794	0.017610
## 8871	25	4.099877	36.937191	0.008855
## 8872	347	1.722440	8.813380	0.023759
## 8873	414	1.396523	7.173550	0.014871
## 8874	1414	4.264525	12.701698	0.015594
## 8875	25	2.269684	23.263943	0.011522
## 8876	196	0.997794	6.113314	0.015216
## 8877	30	2.615805	16.627817	0.000352
## 8878	307	1.175815	7.617926	0.016356
## 8879	140	0.834753	5.017267	0.015488
## 8880	49	0.903379	12.661650	0.009488
## 8881	211	0.578711	5.978664	0.014079
## 8882	189	3.812588	14.508122	0.015871
## 8883	34	1.739951	17.371407	0.010579
## 8884	87	2.540823	9.819140	0.018225
## 8885	25	2.655862	10.167446	0.018293
## 8886	228	0.500832	6.401722	0.015242
## 8887	140	2.532773	15.151984	0.013936
## 8888	88	1.829277	10.594729	0.019389
## 8889	44	2.004082	18.561302	0.011118
## 8890	64	1.598033	11.852436	0.020120
## 8891	52	1.149892	11.439253	0.011744
## 8892	336	2.675785	11.342387	0.015803
## 8893	177	3.195345	16.540672	0.012420
## 8894	103	0.916765	8.774848	0.014258
## 8895	64	1.229917	10.622477	0.011734
## 8896	93	0.870646	4.444976	0.013933
## 8897	82	4.927691	21.512352	0.017698
## 8898	30	2.514555	27.022005	0.018130
## 8899	73	0.863938	7.890713	0.011724
## 8900	92	7.196774	27.039137	0.015143
## 8901	71	5.184211	20.135391	0.015329
## 8902	216	0.991080	8.038556	0.016444
## 8903	25	3.111818	25.466135	0.010011
## 8904	25	2.836653	25.191168	0.017550
## 8905	29	3.475398	24.406704	0.014571
## 8906	44	2.389617	17.534613	0.017245
## 8907	31	3.425199	17.275042	0.014469
## 8908	30	3.604786	15.353077	0.004062
## 8909	88	2.915805	16.769991	0.017537
## 8910	53	5.936594	34.516804	0.017150
## 8911	47	4.290894	23.672880	0.015398
## 8912	81	4.154133	21.904070	0.007548
## 8913	46	4.907588	17.293123	0.018829
## 8914	67	9.638785	23.815401	0.017315
## 8915	391	1.616554	6.791521	0.019481
## 8916	225	1.118198	4.867429	0.022813
## 8917	540	1.760553	9.199161	0.016440
## 8918	63	1.293316	8.063531	0.016407
## 8919	565	0.935405	7.573414	0.015069

## 8920	653	0.940095	7.382477	0.016744
## 8921	3398	1.025597	7.840631	0.015521
## 8922	146	3.500076	21.571470	0.017247
## 8923	127	0.772215	6.803749	0.010993
## 8924	147	1.255971	9.331425	0.017453
## 8925	96	2.817418	12.817868	0.012583
## 8926	40	2.180207	21.256069	0.019343
## 8927	57	2.022590	11.489447	0.014853
## 8928	156	0.323724	3.642133	0.012834
## 8929	249	2.881496	11.148018	0.014951
## 8930	34	1.619064	19.771441	0.001990
## 8931	273	1.696927	8.030985	0.017530
## 8932	57	2.547031	10.576880	0.014088
## 8933	26	1.175046	20.977861	0.007178
## 8934	133	0.317228	4.800069	0.008743
## 8935	487	2.054067	11.482137	0.012264
## 8936	105	4.833631	31.269785	0.012674
## 8937	158	6.419429	24.682329	0.014288
## 8938	27	2.349133	25.616501	0.007855
## 8939	371	1.682914	7.817428	0.011256
## 8940	146	5.423091	20.294638	0.015738
## 8941	148	2.056768	11.284029	0.012420
## 8942	88	3.619342	10.712170	0.010860
## 8943	322	1.844369	9.658602	0.008432
## 8944	25	2.580153	31.697012	0.011083
## 8945	26	3.753389	17.020090	0.013149
## 8946	25	2.772764	20.953543	0.016885
## 8947	49	2.775820	15.648783	0.018094
## 8948	43	6.923182	26.959915	0.010199
## 8949	25	9.868595	30.742033	0.022359
## 8950	26	3.670512	19.953676	0.004162
## 8951	27	2.324962	24.540012	0.016952
## 8952	25	1.085655	15.776914	0.007996
## 8953	26	2.841632	11.310392	0.020826
## 8954	108	2.507514	14.646949	0.009982
## 8955	28	2.892393	29.414459	0.001263
## 8956	119	2.611784	9.276007	0.012600
## 8957	1847	0.954791	8.117448	0.016620
## 8958	452	1.010944	10.108122	0.018617
## 8959	253	1.226187	10.688811	0.017759
## 8960	657	0.900750	7.932842	0.016040
## 8961	1647	0.919895	8.475188	0.017149
## 8962	665	0.988618	8.097754	0.016325
## 8963	211	1.135785	9.659241	0.015354
## 8964	25	2.487485	35.099777	0.012091
## 8965	447	0.948927	7.463104	0.015559
## 8966	25	3.683311	35.651634	0.006693
## 8967	316	0.999701	7.482437	0.017257
## 8968	489	0.720083	6.476428	0.017377
## 8969	1712	0.755398	7.682681	0.018291
## 8970	1476	0.971798	7.984245	0.018261
## 8971	2738	1.054045	8.581112	0.017611
## 8972	238	0.868620	7.979846	0.015884
## 8973	477	1.027260	9.100859	0.014772

## 8974	109	1.111027	10.737878	0.015785
## 8975	25	2.999916	36.008923	0.013623
## 8976	211	0.919119	6.831104	0.014640
## 8977	64	1.498996	19.437603	0.013290
## 8978	520	0.482325	5.259132	0.014990
## 8979	206	1.024736	11.342179	0.010151
## 8980	2454	0.845323	7.861199	0.015723
## 8981	711	1.002081	8.524096	0.017338
## 8982	456	2.145546	10.748343	0.018265
## 8983	750	2.153787	11.454241	0.018213
## 8984	256	2.024186	9.541717	0.015131
## 8985	92	2.168694	11.853681	0.015674
## 8986	83	2.203419	13.300153	0.013958
## 8987	89	2.651668	12.458296	0.015515
## 8988	67	4.341348	17.268597	0.019894
## 8989	72	8.586201	26.248318	0.015468
## 8990	428	3.259835	13.603617	0.010459
## 8991	504	2.954281	12.642877	0.013388
## 8992	76	1.286690	9.703254	0.024525
## 8993	52	1.123563	10.022542	0.016274
## 8994	60	1.328520	5.201133	0.014650
## 8995	88	2.864249	14.808558	0.018411
## 8996	190	1.316472	8.019537	0.020357
## 8997	317	3.938790	15.155384	0.012351
## 8998	60	3.629643	26.244404	0.011158
## 8999	88	4.246608	13.632061	0.016633
## 9000	102	1.287394	5.748858	0.015771
## 9001	84	1.921255	9.340435	0.011538
## 9002	95	1.126193	9.590672	0.014561
## 9003	137	4.899738	26.971582	0.018307
## 9004	28	3.320522	28.530277	0.008322
## 9005	28	3.344099	26.549164	0.008477
## 9006	154	6.279078	23.476141	0.020079
## 9007	75	5.635085	24.898010	0.009645
## 9008	141	1.691196	7.570388	0.025062
## 9009	66	3.043369	22.978691	0.015347
## 9010	139	1.256638	12.663745	0.018999
## 9011	94	2.223661	19.187864	0.021060
## 9012	25	6.446524	64.107498	0.015882
## 9013	71	0.741565	5.734752	0.022796
## 9014	99	1.228252	13.181465	0.021099
## 9015	123	1.219960	7.034203	0.010203
## 9016	45	4.985188	22.729397	0.009771
## 9017	74	5.337041	23.843925	0.022080
## 9018	38	5.621233	19.394058	0.020281
## 9019	32	3.770241	42.532639	0.020504
## 9020	27	4.357183	13.478216	0.017152
## 9021	25	4.539155	50.380386	0.019650
## 9022	33	4.597472	19.920130	0.017437
## 9023	25	4.677734	36.053799	0.017865
## 9024	37	4.620344	12.760170	0.020293
## 9025	37	4.445845	40.817169	0.018461
## 9026	26	4.817794	17.002739	0.014130
## 9027	25	3.808952	38.012825	0.016038

## 9028	61	2.188356	6.648648	0.020755
## 9029	31	2.044397	25.795900	0.017504
## 9030	30	7.789912	18.631420	0.018643
## 9031	58	8.154400	20.382267	0.020146
## 9032	65	5.128621	28.941833	0.020146
## 9033	25	4.303178	55.092133	0.020672
## 9034	25	3.418509	21.241926	0.018878
## 9035	82	8.071691	34.889812	0.019497
## 9036	67	7.621814	34.543949	0.018540
## 9037	25	5.934620	59.030685	0.015792
## 9038	85	3.261883	21.107592	0.018736
## 9039	60	1.466078	16.708092	0.012017
## 9040	31	2.561738	14.650905	0.017247
## 9041	34	0.595468	2.581023	0.014999
## 9042	51	1.861729	8.073786	0.021335
## 9043	31	0.447421	2.323683	0.019438
## 9044	60	1.547485	6.660970	0.022150
## 9045	46	0.303236	2.619640	0.019336
## 9046	55	2.083441	6.861390	0.020994
## 9047	38	0.379568	2.885190	0.017293
## 9048	50	2.524626	11.986359	0.018061
## 9049	66	2.838619	10.893556	0.020523
## 9050	59	1.820517	19.164625	0.021288
## 9051	28	1.741886	15.379956	0.017076
## 9052	28	1.733284	5.238128	0.014678
## 9053	57	1.734214	9.815483	0.019060
## 9054	104	3.224383	9.939734	0.021243
## 9055	25	7.319652	25.244818	0.016010
## 9056	62	1.424222	5.072606	0.021821
## 9057	49	1.763959	8.841618	0.017875
## 9058	41	1.676405	16.093708	0.019559
## 9059	48	0.517370	7.273405	0.014911
## 9060	47	2.323044	13.047371	0.017075
## 9061	29	0.096638	1.558350	0.013649
## 9062	73	0.920144	4.920101	0.020862
## 9063	67	0.961250	13.334180	0.018672
## 9064	25	2.488861	23.454887	0.015368
## 9065	28	1.649721	12.741023	0.019010
## 9066	29	2.363075	14.757124	0.018141
## 9067	27	0.663597	23.790365	0.011170
## 9068	27	1.166596	18.449047	0.011479
## 9069	94	0.278463	3.782894	0.015426
## 9070	67	3.242621	16.773489	0.015271
## 9071	62	4.383740	12.055694	0.017486
## 9072	25	2.134327	10.075377	0.015392
## 9073	25	5.147290	15.617949	0.018489
## 9074	36	5.806868	18.499165	0.019889
## 9075	25	4.317493	25.992186	0.019276
## 9076	58	3.520630	13.198509	0.021298
## 9077	32	3.767019	18.130331	0.017680
## 9078	41	4.095157	15.687905	0.021298
## 9079	36	1.951143	11.491678	0.019737
## 9080	38	7.393154	22.495560	0.019846
## 9081	44	4.856478	14.688608	0.021185

## 9082	34	4.614124	22.611597	0.017212
## 9083	47	4.049897	17.683580	0.018123
## 9084	101	7.037860	14.994370	0.019616
## 9085	35	3.575145	7.535658	0.019361
## 9086	32	2.132153	6.506372	0.020312
## 9087	32	2.265009	6.553362	0.019069
## 9088	31	5.358888	11.499055	0.017950
## 9089	33	1.306722	4.463775	0.017884
## 9090	49	4.038251	19.186863	0.019596
##	zcr_mn	spectral_centroid_mn	spectral_roll_off_mn	spectral_flux_mn
## 1	0.067241	3406.8662	6796.552	1021.359192
## 2	0.077000	3324.1582	6610.000	1199.364380
## 3	0.082317	3771.9841	7488.112	1544.147461
## 4	0.069875	3301.6860	6606.001	599.555176
## 5	0.100647	3266.0215	6688.795	446.452423
## 6	0.068125	3324.5254	6565.001	637.621582
## 7	0.100719	3836.2617	7486.948	829.102234
## 8	0.125213	3883.3008	7499.845	832.503845
## 9	0.110147	3795.9250	7359.878	948.118774
## 10	0.122683	3853.6484	7461.855	728.807373
## 11	0.122115	3384.6072	6509.615	541.736389
## 12	0.108750	3343.0508	6493.000	482.520508
## 13	0.094676	3402.0254	6610.186	900.380554
## 14	0.110855	3842.5828	7486.188	904.945618
## 15	0.077500	3294.6938	6611.001	247.577713
## 16	0.080750	3275.4924	6530.000	420.784302
## 17	0.086125	3352.8645	6469.000	1323.932983
## 18	0.090541	3549.0110	6901.352	621.844421
## 19	0.126667	3427.3630	6668.333	261.982086
## 20	0.101516	3823.7473	7425.496	2045.512695
## 21	0.121425	3829.2988	7473.482	673.399841
## 22	0.160625	3266.5071	6320.999	37.536804
## 23	0.114228	3772.3909	7488.259	629.294495
## 24	0.086914	3462.2361	6755.471	635.839172
## 25	0.142489	3777.8035	7473.094	431.677124
## 26	0.117815	3494.4475	7405.139	907.943481
## 27	0.139292	3743.7598	7172.796	666.862976
## 28	0.108875	3345.7383	6476.000	570.144714
## 29	0.145046	3745.2598	7395.731	472.030457
## 30	0.130134	3525.3613	7103.573	319.679657
## 31	0.122961	3830.2139	7393.683	1023.941467
## 32	0.094913	3618.7212	7061.046	1071.099854
## 33	0.097599	3820.4436	7459.739	1078.052979
## 34	0.117806	3902.9712	7557.557	1065.055542
## 35	0.127328	3827.2761	7397.549	691.437134
## 36	0.094832	3358.4629	6571.154	765.686157
## 37	0.078711	3450.1638	6843.751	688.698853
## 38	0.099409	3539.7869	6932.433	883.784973
## 39	0.113791	3627.7224	7064.675	1010.516357
## 40	0.062625	3310.0557	6609.000	984.783203
## 41	0.100263	3654.2822	7504.829	618.706360
## 42	0.111764	3906.1592	7618.857	750.005432
## 43	0.060750	3319.1724	6590.001	1544.744385
## 44	0.125446	3612.0571	6933.333	1120.193604

## 45	0.096375	3352.4753	6492.999	1391.347900
## 46	0.100164	3573.6545	6898.684	2145.706787
## 47	0.103250	3349.0339	6479.000	2020.669922
## 48	0.100827	3523.6233	6851.472	1495.556885
## 49	0.138393	3536.9966	6773.572	868.299988
## 50	0.110069	3639.4995	7011.111	1767.508179
## 51	0.108936	3704.4548	7220.178	1457.292847
## 52	0.119648	3737.0928	7345.625	558.389282
## 53	0.115294	3794.3667	7325.881	938.446716
## 54	0.100660	3718.7932	7349.298	1822.204956
## 55	0.085700	3795.1365	7466.578	1307.779541
## 56	0.123772	3431.8059	6599.110	1063.563599
## 57	0.109171	3854.5513	7519.744	969.026428
## 58	0.122750	3359.7314	6440.000	729.598999
## 59	0.154977	3382.4368	6528.704	747.391174
## 60	0.166268	3339.4006	6711.766	922.224121
## 61	0.101430	3428.0688	7244.070	692.040527
## 62	0.098785	3522.6794	6905.556	566.908203
## 63	0.107688	3727.2153	7215.873	666.850586
## 64	0.085389	3559.7781	6910.136	1229.709595
## 65	0.098910	3770.1648	7409.594	631.158813
## 66	0.151177	3852.1394	7402.315	927.048096
## 67	0.138913	3865.8423	7567.123	489.673737
## 68	0.071847	3766.5225	7557.965	590.079773
## 69	0.043152	3580.8640	7238.300	328.328888
## 70	0.111379	3606.4302	7578.830	1042.223633
## 71	0.085817	3581.1082	7051.284	480.253418
## 72	0.096007	3785.2422	7498.055	329.842804
## 73	0.081841	3527.8713	7013.515	1102.324341
## 74	0.074750	3334.0728	6600.000	1070.572998
## 75	0.086293	3593.2017	7137.502	1683.958008
## 76	0.062054	3410.6836	6997.857	1564.728760
## 77	0.068074	3460.5779	6956.081	801.391113
## 78	0.081205	3689.3801	7332.246	589.731445
## 79	0.084212	3801.6885	7492.831	1083.381104
## 80	0.154029	3832.3335	7529.792	945.766724
## 81	0.103421	3811.7749	7437.368	1856.722900
## 82	0.089012	3470.3328	6750.000	1641.195068
## 83	0.147561	3615.6963	6884.146	2075.601074
## 84	0.096782	3860.7549	7637.007	910.874329
## 85	0.092472	3611.6880	7052.273	737.658264
## 86	0.076250	3589.6458	7126.112	454.124298
## 87	0.099724	3503.0188	6826.473	591.474487
## 88	0.075760	3541.1082	6973.650	1112.078613
## 89	0.087963	3762.3130	7432.102	678.835693
## 90	0.111428	3881.1077	7563.955	915.794067
## 91	0.113090	3679.2661	7149.527	814.709961
## 92	0.071500	3324.9641	6567.000	597.200012
## 93	0.106326	3591.0566	7018.293	810.297363
## 94	0.079750	3329.7112	6550.000	625.969910
## 95	0.103750	3343.1963	6477.000	228.574127
## 96	0.078646	3446.0586	6929.167	434.809235
## 97	0.034375	3013.6851	6652.001	6.133428
## 98	0.035243	3407.7056	7350.464	7.946158

## 99	0.101367	3361.2988	6764.845	49.848072
## 100	0.114484	3710.9785	7293.650	337.390717
## 101	0.116202	3735.6965	7321.537	358.374298
## 102	0.135125	3361.1045	6495.000	296.776276
## 103	0.118875	3349.5042	6523.999	450.658539
## 104	0.121394	3382.5552	6540.385	431.108673
## 105	0.141933	3625.0151	6980.234	734.774048
## 106	0.110592	3820.4880	7461.315	678.780029
## 107	0.100372	3791.8572	7435.716	887.703491
## 108	0.068677	3582.7815	7139.533	1524.044800
## 109	0.062277	3382.9978	6761.607	1671.313599
## 110	0.060375	3309.7214	6656.000	1262.383545
## 111	0.062872	3579.4800	7142.857	1543.106689
## 112	0.062625	3316.1345	6599.001	736.213867
## 113	0.124375	3360.2102	6475.000	1324.663696
## 114	0.102930	3362.1814	6784.378	1829.553467
## 115	0.098561	3126.7214	7320.240	1.223619
## 116	0.064062	3517.4885	6971.528	664.417786
## 117	0.070427	3504.6985	7080.488	330.915680
## 118	0.102997	3688.0078	7323.633	594.870850
## 119	0.098769	3733.2312	7278.787	1729.386108
## 120	0.090733	3433.9678	6711.209	1118.768188
## 121	0.104375	3319.5305	6501.001	825.509277
## 122	0.104133	3802.0520	7444.891	1375.290771
## 123	0.159256	3829.0168	7327.145	1002.707336
## 124	0.117057	3812.7588	7433.075	1790.639038
## 125	0.093418	3800.2026	7480.320	1717.128174
## 126	0.117420	3819.2930	7477.476	1611.386475
## 127	0.109948	3825.7415	7503.214	1681.668701
## 128	0.123132	3802.3936	7403.804	1578.985474
## 129	0.126163	3605.7324	7012.209	1058.525879
## 130	0.104447	3364.7585	6618.269	1449.558960
## 131	0.110202	3511.1045	6838.236	1289.026123
## 132	0.104435	3811.6997	7423.387	1669.779175
## 133	0.108052	3829.9841	7516.892	1799.269043
## 134	0.128819	3784.4912	7337.653	1695.529297
## 135	0.115125	3336.1370	6539.000	1416.733643
## 136	0.189320	3791.2422	7194.620	1101.436401
## 137	0.219687	3611.0188	6708.751	537.231873
## 138	0.161125	3868.8330	7416.202	844.304260
## 139	0.097165	3846.6265	7601.429	1207.142456
## 140	0.068304	3503.9763	6996.429	1810.621094
## 141	0.075888	3782.2317	7511.649	1862.868774
## 142	0.080574	3750.6975	7447.637	1930.906494
## 143	0.094622	3475.6931	7045.350	651.126343
## 144	0.117067	3375.2112	6473.078	331.490570
## 145	0.126647	3774.2764	7220.271	729.606201
## 146	0.117216	3709.4590	7125.455	705.676147
## 147	0.093050	3747.9700	7276.494	918.541992
## 148	0.106250	3758.6785	7290.627	683.819458
## 149	0.133892	3833.9802	7319.847	667.604370
## 150	0.123547	3848.4187	7429.390	645.997131
## 151	0.129129	3432.6560	6541.964	765.401245
## 152	0.139892	3792.7632	7233.643	678.611511

## 153	0.103026	3735.6716	7234.524	896.583191
## 154	0.102280	3765.0479	7332.434	939.231201
## 155	0.114428	3825.0576	7343.885	1076.701294
## 156	0.116970	3773.9255	7241.668	985.389648
## 157	0.103472	3536.7344	6885.419	418.178284
## 158	0.094602	3496.8235	6828.032	637.196106
## 159	0.140146	3905.0195	7471.296	812.537781
## 160	0.112418	3768.2175	7340.791	639.894226
## 161	0.133594	3638.3071	6909.660	915.310181
## 162	0.144589	3898.8152	7378.187	959.403076
## 163	0.123478	3579.4856	6870.513	624.184204
## 164	0.095446	3526.1670	6867.857	655.471558
## 165	0.105746	3847.7871	7499.801	790.857666
## 166	0.127922	3782.8044	7242.207	900.557983
## 167	0.122351	3648.4243	6970.652	833.260559
## 168	0.104259	3851.8713	7523.384	831.491699
## 169	0.105842	3622.9395	7071.741	747.661682
## 170	0.143945	3477.2952	6646.096	49.948544
## 171	0.114702	3555.4524	6989.774	643.396606
## 172	0.086921	3389.8691	6587.038	1359.034546
## 173	0.075325	3724.9788	7522.134	373.236938
## 174	0.078478	3720.7241	7541.532	828.197205
## 175	0.063567	3570.4490	7093.293	1639.120972
## 176	0.055500	3285.4729	6618.000	263.607056
## 177	0.051683	3313.3684	6668.270	277.631531
## 178	0.066056	3411.6438	6765.517	1739.419189
## 179	0.082535	3819.0864	7560.886	1819.664795
## 180	0.069625	3304.0308	6570.000	218.081223
## 181	0.071042	3421.3557	6770.834	461.851105
## 182	0.060352	3411.9424	6875.783	136.910858
## 183	0.058958	3602.4563	7343.335	446.653351
## 184	0.076943	3503.0232	6955.406	505.219604
## 185	0.071776	3614.2898	7344.045	312.923248
## 186	0.089020	3529.5642	6908.107	938.843262
## 187	0.073042	3289.9575	7446.991	306.591522
## 188	0.100000	3357.7466	6510.999	1558.510254
## 189	0.094608	3665.7749	7152.940	1339.007812
## 190	0.090875	3336.6658	6493.002	1101.493652
## 191	0.118958	3463.3423	6651.668	756.227234
## 192	0.097466	3561.9270	6895.271	960.074219
## 193	0.133165	3460.3948	6712.905	496.473846
## 194	0.094840	3598.9465	7031.979	1355.308594
## 195	0.072949	3484.3008	6817.189	1516.023071
## 196	0.089699	3387.0542	6598.149	1403.850586
## 197	0.098785	3537.7927	6863.197	1769.263916
## 198	0.092125	3239.4814	6522.001	1041.498291
## 199	0.093958	3437.5369	6835.835	2099.327637
## 200	0.087031	3577.1887	7102.500	1927.284302
## 201	0.090750	3350.1768	6556.000	1685.945435
## 202	0.114854	3760.5674	7342.466	1138.967163
## 203	0.116548	3638.5227	7018.749	486.082794
## 204	0.116179	3723.5151	7231.049	650.616638
## 205	0.142031	3599.6287	6874.375	648.173584
## 206	0.154092	3616.6323	6889.882	589.833374

## 207	0.114205	3817.3196	7426.012	1046.451538
## 208	0.128947	3554.4500	6887.500	860.188110
## 209	0.108640	3663.6487	7163.237	1047.701782
## 210	0.134500	3292.1050	6408.001	258.049774
## 211	0.137988	3425.5596	6617.969	1328.123901
## 212	0.096000	3359.0596	6441.001	1351.261597
## 213	0.117349	3308.7844	6533.621	1192.328369
## 214	0.183026	3634.8630	6864.205	533.570557
## 215	0.051146	3416.8206	6870.834	1110.154297
## 216	0.152577	3674.4214	7077.629	450.601044
## 217	0.141146	3729.1304	7109.166	1366.509399
## 218	0.101429	3808.0632	7420.000	1817.133667
## 219	0.105469	3821.9060	7434.636	1492.762939
## 220	0.123737	3771.6013	7362.767	800.041931
## 221	0.147541	3721.4209	7175.412	1574.989258
## 222	0.081410	3553.0310	7020.515	1997.736206
## 223	0.101339	3653.4949	7146.939	1731.566162
## 224	0.093008	3687.9812	7265.254	1543.470459
## 225	0.114029	3792.5647	7464.402	1697.680176
## 226	0.093387	3599.8870	7035.464	1423.347534
## 227	0.117067	3372.2949	6561.537	1367.692017
## 228	0.108915	3490.4944	6898.529	1534.961670
## 229	0.124563	3803.1692	7391.934	1609.417725
## 230	0.118215	3823.8987	7493.245	1596.013184
## 231	0.106289	3782.3970	7370.373	1662.486084
## 232	0.074125	3319.1160	6560.001	1594.225098
## 233	0.110600	3756.2817	7368.921	1717.948730
## 234	0.080997	3521.8230	6960.811	1847.529419
## 235	0.138468	3827.8745	7445.134	1557.413574
## 236	0.182775	3932.6807	7487.507	930.251770
## 237	0.080515	3502.3149	6941.911	2273.345459
## 238	0.079688	3358.5557	6664.424	1659.832520
## 239	0.080040	3456.1155	6843.549	1869.882568
## 240	0.055529	3341.9194	6660.577	277.515656
## 241	0.126103	3794.8845	7336.471	1009.849060
## 242	0.117426	3689.7961	7225.848	894.758789
## 243	0.116223	3650.3093	7093.085	2187.677734
## 244	0.107958	3776.1968	7335.667	2265.630859
## 245	0.125601	3676.4971	7126.922	1393.144531
## 246	0.134492	3778.8767	7307.187	1018.802368
## 247	0.090761	3592.1284	7117.934	447.054169
## 248	0.085232	3784.4844	7538.305	1109.244995
## 249	0.081658	3549.5422	7143.480	744.728821
## 250	0.089160	3485.0242	6757.031	1501.736450
## 251	0.087642	3602.7610	7040.342	1212.817505
## 252	0.045486	2901.0923	6703.704	67.091156
## 253	0.061458	3779.7361	7551.823	1805.911255
## 254	0.076159	3813.3865	7574.192	2386.249268
## 255	0.080192	3675.8948	7335.385	557.883240
## 256	0.077120	3821.0928	7602.501	1671.232544
## 257	0.103663	3794.8630	7408.064	2056.972412
## 258	0.056625	3325.8167	6599.001	1067.181030
## 259	0.078950	3738.8486	7387.501	1964.202026
## 260	0.080461	3810.1804	7487.122	2340.934082

## 261	0.087373	3849.8328	7536.790	1848.341187
## 262	0.106111	3573.1082	7078.889	709.417603
## 263	0.092399	3734.8765	7352.365	474.443665
## 264	0.084704	3515.2112	6987.500	401.613647
## 265	0.076074	3465.4612	6836.719	2114.531494
## 266	0.068287	3396.3420	6642.593	2694.580811
## 267	0.053750	3322.6487	6604.001	1612.071777
## 268	0.083428	3484.2810	6857.576	2058.108154
## 269	0.054625	3342.8640	6595.999	2486.998291
## 270	0.077280	3541.1018	6954.054	1406.261597
## 271	0.079861	3531.9822	6932.640	2095.959717
## 272	0.078966	3342.3706	6635.578	1102.007812
## 273	0.085625	3345.7307	6540.000	1700.680420
## 274	0.080994	3706.8425	7311.884	1555.377441
## 275	0.086895	3459.5840	6825.001	730.861389
## 276	0.077083	3426.0129	6833.335	735.629333
## 277	0.109106	3710.9946	7208.190	1601.886230
## 278	0.110529	3735.5508	7286.153	1540.681152
## 279	0.065375	3333.1631	6579.000	1355.209717
## 280	0.049500	3266.5945	6646.000	864.545044
## 281	0.136852	3795.6082	7289.331	1684.251343
## 282	0.128265	3754.9788	7245.150	1708.136841
## 283	0.117500	3351.8669	6462.999	1173.505249
## 284	0.141949	3802.5842	7325.001	1215.066284
## 285	0.125469	3714.0171	7209.167	1002.869873
## 286	0.101008	3470.9702	6743.549	1715.781494
## 287	0.095864	3508.2964	6866.912	1108.556152
## 288	0.084375	3517.6204	7231.863	371.467041
## 289	0.093448	3486.0708	6759.679	2154.313232
## 290	0.083177	3733.5779	7270.833	1929.296265
## 291	0.090014	3652.5027	7091.848	1343.369141
## 292	0.100966	3721.3218	7142.273	2112.823242
## 293	0.091036	3582.6257	6929.606	1435.241211
## 294	0.095875	3684.1313	7098.501	1946.580688
## 295	0.113968	3766.5210	7254.545	1680.836914
## 296	0.112841	3709.3689	7158.184	1391.618896
## 297	0.102344	3499.3674	6763.280	1641.087524
## 298	0.104799	3437.9956	6587.501	1638.103882
## 299	0.108443	3726.3779	7152.194	2010.922363
## 300	0.117127	3850.5735	7433.894	1270.140991
## 301	0.126875	3371.0415	6403.000	2093.135010
## 302	0.137500	3754.2712	7150.002	1536.552368
## 303	0.119962	3681.5950	7064.288	1480.646484
## 304	0.116235	3617.7505	6940.854	1382.059082
## 305	0.156055	3683.4377	6878.646	1939.051514
## 306	0.151662	3676.3872	6954.256	1419.785767
## 307	0.091595	3455.5698	6654.312	1583.743896
## 308	0.138271	3783.2043	7275.684	1053.926147
## 309	0.128685	3765.8591	7216.045	1119.994629
## 310	0.119250	3369.5664	6415.000	1472.073608
## 311	0.114397	3434.3972	6593.751	1008.299561
## 312	0.148168	3462.4834	6539.656	1008.928772
## 313	0.153935	3415.8105	6486.111	687.221985
## 314	0.165509	3418.9067	6458.333	708.722473

## 315	0.126496	3834.5242	7378.459	1208.480469
## 316	0.160075	3772.5725	7225.374	380.838470
## 317	0.135282	3746.6167	7189.516	1261.073853
## 318	0.117250	3371.4163	6439.999	645.960938
## 319	0.125625	3368.5684	6426.000	658.822144
## 320	0.117795	3536.5876	6856.946	525.604004
## 321	0.096500	3362.6941	6508.000	1982.913940
## 322	0.130711	3722.4912	7171.553	1657.392334
## 323	0.129492	3511.9871	6707.031	1433.517822
## 324	0.155716	3617.6445	6853.660	1524.821655
## 325	0.139063	3570.8699	6769.446	1545.087769
## 326	0.135033	3583.7842	6844.080	1188.518555
## 327	0.094034	3628.3867	7087.500	1732.818848
## 328	0.122243	3522.9458	6813.973	1165.810059
## 329	0.111436	3666.2898	7079.787	1484.602295
## 330	0.124288	3835.3142	7426.483	1537.538818
## 331	0.122679	3521.7661	6881.431	971.833679
## 332	0.119238	3482.8992	6736.718	1119.844482
## 333	0.111328	3492.0732	6771.094	1262.547852
## 334	0.118145	3481.2986	6732.260	1024.884888
## 335	0.120644	3517.5239	6778.030	1265.319336
## 336	0.123087	3672.5947	7063.779	1618.639893
## 337	0.134856	3389.5859	6457.693	1067.553955
## 338	0.099279	3379.4343	6572.115	1257.087402
## 339	0.126042	3689.3096	7088.236	1380.544067
## 340	0.104375	3363.8994	6455.000	1338.088623
## 341	0.111020	3585.8079	6905.265	1441.632568
## 342	0.121811	3673.6226	7083.675	1012.298218
## 343	0.119712	3388.2537	6577.886	890.438660
## 344	0.109701	3752.9280	7304.849	1385.986694
## 345	0.120233	3721.4536	7215.677	1179.979736
## 346	0.245612	3663.0073	6529.255	1267.934204
## 347	0.195657	3621.5730	6852.120	1187.580811
## 348	0.103846	3593.0288	7104.808	619.881775
## 349	0.085227	3412.1140	7117.615	541.756714
## 350	0.093279	3726.8091	7396.576	667.822876
## 351	0.073186	3414.4539	6857.259	635.736389
## 352	0.076854	3784.8943	7532.692	916.006592
## 353	0.079741	3433.9395	6774.138	929.680115
## 354	0.076769	3898.6069	7734.657	1179.220947
## 355	0.069494	3592.4805	7135.121	897.259949
## 356	0.080750	3338.5425	6589.001	524.641235
## 357	0.084201	3524.0969	6964.583	1169.917236
## 358	0.105500	3334.1594	6535.000	1323.354370
## 359	0.111429	3828.5579	7509.722	1514.690918
## 360	0.017153	3538.2610	7603.055	1283.840454
## 361	0.179688	3573.9270	6709.210	170.992432
## 362	0.117586	3688.9248	7060.785	939.760559
## 363	0.184625	3273.7722	6283.000	23.684799
## 364	0.118945	3476.9290	6652.345	802.341370
## 365	0.058000	3287.8484	6601.000	458.872894
## 366	0.087285	3401.5845	6657.761	1257.990234
## 367	0.101278	3606.4641	7020.454	1514.242188
## 368	0.091761	3508.0857	6850.002	781.067993

## 369	0.101234	3563.7310	6938.817	1110.012695
## 370	0.087601	3650.7356	7461.559	492.987030
## 371	0.095125	3305.2344	6487.000	638.634338
## 372	0.144967	3802.3313	7426.526	520.564209
## 373	0.083496	3410.2427	6788.283	286.132050
## 374	0.131656	3742.7412	7503.816	322.682434
## 375	0.120794	3787.9812	7387.154	672.287598
## 376	0.123621	3203.5183	7215.441	569.824829
## 377	0.138716	3842.4270	7447.317	466.721191
## 378	0.109778	3339.5146	6707.258	322.813416
## 379	0.188625	3013.4041	6280.000	100.537605
## 380	0.109180	3348.4561	6726.564	281.983002
## 381	0.127215	3629.6184	7295.886	147.487366
## 382	0.097151	3496.0076	6799.267	309.004730
## 383	0.167411	3446.5098	6650.000	122.596832
## 384	0.138643	3517.3274	6853.049	135.603119
## 385	0.113221	3219.2690	6480.769	67.855545
## 386	0.108250	3263.7710	6437.002	66.130867
## 387	0.112253	3406.3555	6857.238	25.362638
## 388	0.144632	3743.1392	7374.597	228.398605
## 389	0.086063	3836.5249	7669.673	651.425476
## 390	0.109574	3602.7751	7076.063	532.852356
## 391	0.078634	3560.1672	7111.627	314.052002
## 392	0.085903	3563.1963	7139.446	396.225311
## 393	0.182589	3624.0813	6895.917	367.059631
## 394	0.099330	3307.2874	6610.715	904.216492
## 395	0.095000	3596.6538	7116.112	149.605301
## 396	0.151125	3343.7485	6325.000	710.785889
## 397	0.140897	3654.6721	6986.958	1007.324890
## 398	0.111207	3440.0107	6629.311	930.413879
## 399	0.073437	3821.4575	7641.304	762.852234
## 400	0.064718	3441.9863	6839.516	862.128601
## 401	0.076620	3355.5994	6639.817	931.475891
## 402	0.052250	3302.6252	6621.000	728.409790
## 403	0.069548	3612.6025	7157.447	1048.996216
## 404	0.071117	3457.5500	6897.729	648.594299
## 405	0.110609	3470.0164	6879.607	319.266724
## 406	0.120833	3567.0183	6893.591	464.096191
## 407	0.100375	3337.6567	6473.000	216.055511
## 408	0.140763	3736.5271	7191.178	406.903412
## 409	0.174312	3691.2974	6878.499	1492.923950
## 410	0.183173	3595.2603	6703.845	611.726074
## 411	0.135156	3840.2502	7309.750	982.039307
## 412	0.117428	3388.5920	6446.154	686.875549
## 413	0.155506	3731.6990	7095.236	446.842255
## 414	0.112351	3613.6431	7007.737	1256.087891
## 415	0.082840	3828.6692	7570.534	983.233032
## 416	0.083594	3650.0049	7208.655	708.418762
## 417	0.090250	3356.9980	6516.000	1036.614258
## 418	0.059125	3277.5510	6610.000	117.704544
## 419	0.067250	3346.1001	6581.000	1601.674805
## 420	0.070089	3074.5693	6696.429	81.485184
## 421	0.126962	3604.3362	6948.837	272.791718
## 422	0.090954	3540.9512	6930.264	207.075516

## 423	0.122967	3876.5781	7511.747	346.887909
## 424	0.106059	3631.9968	7101.531	276.765533
## 425	0.105313	3443.5786	6660.834	320.277069
## 426	0.114304	3865.8655	7530.503	286.585846
## 427	0.094076	3662.8201	7324.625	159.778839
## 428	0.123112	3876.2253	7446.763	381.785156
## 429	0.120370	3699.4048	7118.056	464.550568
## 430	0.108036	3783.1245	7333.119	547.250610
## 431	0.112375	3340.5359	6468.001	330.470520
## 432	0.119750	3349.0879	6429.000	420.302979
## 433	0.090500	3351.3738	6484.002	406.526611
## 434	0.101017	3604.5981	7000.582	343.837982
## 435	0.132500	3356.9897	6378.000	322.131622
## 436	0.114347	3378.0391	6942.046	58.894283
## 437	0.077875	3271.8174	6515.000	76.502563
## 438	0.083887	3645.9773	7284.765	330.552948
## 439	0.087277	3406.6833	6630.357	543.437134
## 440	0.101100	3663.0493	7136.574	570.814087
## 441	0.076471	3488.7209	6858.089	584.341248
## 442	0.088431	3724.6331	7429.256	644.726562
## 443	0.080350	3640.4348	7270.341	622.048584
## 444	0.085750	3271.7935	6513.000	559.351196
## 445	0.076875	3210.9351	6557.001	554.514404
## 446	0.065000	3317.8953	6559.001	742.764343
## 447	0.099816	3468.2512	6874.267	740.884644
## 448	0.042375	3250.6001	6643.000	516.329956
## 449	0.067005	3639.1399	7423.378	160.289200
## 450	0.066922	3745.8066	7504.787	569.489380
## 451	0.080804	3632.8579	7156.631	1698.391968
## 452	0.085364	3756.1484	7411.710	1367.471924
## 453	0.085874	3846.3674	7550.612	1613.965088
## 454	0.114624	3685.7852	7561.577	985.104248
## 455	0.130242	3286.2825	6635.486	1238.168579
## 456	0.139890	3504.7400	6730.148	1471.685913
## 457	0.133699	3546.9846	6829.730	1626.524536
## 458	0.153790	3614.9590	6945.746	1213.154297
## 459	0.165365	3371.5769	6629.167	753.692139
## 460	0.174023	3723.8582	7156.562	975.475403
## 461	0.127625	3333.0354	6440.000	1499.827637
## 462	0.136265	3632.5349	6909.302	758.534241
## 463	0.077250	3326.5657	6595.000	329.081970
## 464	0.113889	3535.0930	6905.556	1957.423462
## 465	0.110750	3352.5823	6504.001	1723.842529
## 466	0.084034	3797.8821	7587.814	1959.832886
## 467	0.055219	3378.0610	7526.596	650.693970
## 468	0.168875	3349.7356	6359.000	160.048843
## 469	0.202872	3571.2969	6623.649	437.135468
## 470	0.185875	3370.9592	6157.000	467.412384
## 471	0.123750	3466.9658	6635.000	992.580750
## 472	0.117125	3342.4583	6453.000	351.048706
## 473	0.168171	3404.7361	6375.927	410.176788
## 474	0.151087	3610.1072	6858.152	450.760986
## 475	0.080335	3572.2083	7029.879	1162.791138
## 476	0.090750	3309.1118	6518.002	868.545349

## 477	0.090865	3334.5149	6559.616	1467.551147
## 478	0.094345	3604.2063	7012.501	1444.301636
## 479	0.080375	3352.4551	6520.001	1125.363892
## 480	0.091933	3598.3481	7068.603	846.056213
## 481	0.087565	3628.5803	7096.355	1906.252930
## 482	0.122461	3467.8855	6751.563	862.207214
## 483	0.064746	3441.3811	6859.376	745.378662
## 484	0.063079	3389.0332	6679.630	1031.237427
## 485	0.091848	3630.2983	7138.587	735.156128
## 486	0.059201	3481.6633	7002.776	388.601318
## 487	0.055625	3587.8762	7100.624	1063.955200
## 488	0.059325	3502.7234	7368.255	580.204163
## 489	0.140748	3654.3914	7086.274	422.693573
## 490	0.153807	3644.4937	7054.546	323.975281
## 491	0.124038	3539.2996	6920.511	174.784088
## 492	0.174178	3544.0759	6820.396	347.087830
## 493	0.157986	3507.8965	6753.473	279.744934
## 494	0.088782	3556.1562	7016.667	306.389587
## 495	0.114075	3850.5923	7537.986	455.292572
## 496	0.102812	3638.5779	7161.999	813.274597
## 497	0.130279	3691.4868	7254.732	726.855896
## 498	0.123250	3361.5137	6349.001	1462.042358
## 499	0.123787	3884.2766	7470.229	910.502258
## 500	0.088000	3344.4338	6476.000	636.148560
## 501	0.100893	3665.6721	7081.123	1431.704468
## 502	0.084125	3343.6870	6516.999	978.789917
## 503	0.096875	3359.2964	6480.000	1000.495361
## 504	0.120274	3612.9939	6895.735	1985.532104
## 505	0.089500	3346.3152	6532.000	1246.243408
## 506	0.106858	3551.3784	6856.251	966.506897
## 507	0.131250	3360.2527	6401.002	1082.257935
## 508	0.116728	3522.4590	6775.002	1555.649048
## 509	0.104107	3537.7673	6873.571	1130.850220
## 510	0.136042	3634.1685	6981.667	762.628418
## 511	0.143178	3927.7322	7507.021	941.481445
## 512	0.108780	3598.2175	7043.454	1809.469482
## 513	0.107500	3357.1494	6524.000	1784.050171
## 514	0.109462	3534.5940	6916.668	1940.274536
## 515	0.100125	3358.2502	6558.000	1499.968384
## 516	0.051859	3636.4824	7502.535	2171.054688
## 517	0.036996	2850.7546	6893.549	810.331238
## 518	0.081625	2680.9229	6582.000	0.214658
## 519	0.083301	3536.7546	7338.283	405.862671
## 520	0.055649	3300.8728	6653.846	279.610809
## 521	0.081964	3464.0566	6914.286	254.784454
## 522	0.100893	3642.4185	7258.728	733.065063
## 523	0.089583	3542.3267	6890.973	2022.473755
## 524	0.108460	3586.8862	6945.121	1264.503418
## 525	0.108519	3757.3191	7329.111	1126.605103
## 526	0.112027	3733.2773	7285.230	1472.589355
## 527	0.099609	3474.9749	6806.251	1051.766846
## 528	0.073352	3640.5986	7280.454	744.377075
## 529	0.056125	3327.0337	6581.999	1018.553711
## 530	0.069549	3612.9031	7094.188	1096.668823

## 531	0.056582	3615.0854	7201.063	693.740601
## 532	0.049000	3318.0032	6634.001	487.785797
## 533	0.036779	3545.8528	7108.333	579.265625
## 534	0.043968	3588.8442	7161.046	774.895691
## 535	0.058125	3519.3735	6965.000	984.861633
## 536	0.053125	3353.7944	6660.577	468.431366
## 537	0.064896	3448.3113	6791.667	1130.049438
## 538	0.110250	3337.3850	6491.000	635.894043
## 539	0.094181	3413.6865	6755.173	616.203308
## 540	0.057566	3528.8557	7055.264	488.217224
## 541	0.118000	3353.1064	6505.001	703.728516
## 542	0.078250	3328.7522	6596.001	544.760742
## 543	0.099362	3805.7761	7503.573	722.124268
## 544	0.116759	3772.9690	7544.472	979.446960
## 545	0.081875	3320.4863	6573.000	292.829498
## 546	0.090104	3360.6584	6754.167	213.575287
## 547	0.052125	3159.7837	6603.000	667.404602
## 548	0.029297	3366.9641	6940.627	1549.118042
## 549	0.090625	3119.1892	6568.269	809.918335
## 550	0.054223	3428.8289	7047.296	798.692993
## 551	0.078125	3447.6382	6972.917	1082.522339
## 552	0.113034	3568.8582	7008.537	915.691956
## 553	0.079412	3473.6421	6890.440	736.443909
## 554	0.085446	3343.6877	6918.573	270.635620
## 555	0.072243	3485.7158	6852.208	823.227783
## 556	0.075804	3482.4414	6895.715	742.558838
## 557	0.080321	3458.3860	6934.461	679.158569
## 558	0.081567	3698.8086	7323.189	1074.809814
## 559	0.076875	3317.3745	6514.001	538.957031
## 560	0.073399	3057.0076	7035.368	7.503463
## 561	0.036000	3108.4246	6660.000	6.503083
## 562	0.033000	3085.0112	6662.000	6.756580
## 563	0.045573	3263.3284	7030.556	7.731982
## 564	0.182250	3332.6082	6286.001	77.333397
## 565	0.091840	3674.8948	7258.797	317.639771
## 566	0.119238	3490.3928	6817.188	363.671204
## 567	0.100465	3558.2417	6898.937	1047.652344
## 568	0.140323	3705.2803	7121.774	928.292236
## 569	0.126667	3754.0693	7270.667	971.369507
## 570	0.129287	3759.0708	7253.206	770.041809
## 571	0.108125	3573.3806	6906.876	754.367859
## 572	0.099395	3424.3125	6745.161	717.731873
## 573	0.131086	3677.6768	7114.473	1095.170898
## 574	0.132466	3866.2639	7521.354	997.965210
## 575	0.132733	3940.0103	7651.167	926.845398
## 576	0.133127	3923.8020	7597.396	1202.960449
## 577	0.091011	3859.9614	7602.939	1272.732910
## 578	0.121413	3862.2964	7463.558	1129.465820
## 579	0.131903	2931.4385	7168.283	239.971573
## 580	0.061924	2987.8167	7017.105	2867.910400
## 581	0.058500	3359.0857	6669.000	2888.840332
## 582	0.075641	3562.5293	7065.386	1573.184937
## 583	0.079500	3338.7695	6566.000	1084.432739
## 584	0.069981	3475.9827	6897.728	1606.563110

## 585	0.084615	3374.7424	6594.230	909.743591
## 586	0.083832	3627.4080	7156.521	950.614990
## 587	0.074125	3335.2134	6590.000	1970.623169
## 588	0.093281	3587.6882	7033.125	968.802490
## 589	0.070500	3330.4438	6593.999	1155.903198
## 590	0.066875	3337.9712	6597.001	1227.697144
## 591	0.066750	3329.6277	6601.000	893.528442
## 592	0.075977	3487.7214	6863.281	1034.761597
## 593	0.081332	3554.2639	7019.079	1644.334961
## 594	0.084014	3351.1841	6626.923	1275.030396
## 595	0.101202	3355.2920	6603.846	853.584534
## 596	0.087963	3398.1279	6674.074	875.411682
## 597	0.060995	3347.1431	6726.853	1029.327759
## 598	0.084500	3336.8782	6595.000	768.513611
## 599	0.082407	3386.8215	6679.629	1097.404541
## 600	0.099375	3349.4690	6536.000	863.107300
## 601	0.103038	3542.3398	6943.750	662.929504
## 602	0.082143	3526.1660	6960.714	1265.299561
## 603	0.088616	3385.6201	6701.786	480.267242
## 604	0.123117	3766.6499	7309.935	1242.238159
## 605	0.098857	3571.8586	7030.488	1118.026489
## 606	0.090835	3873.0884	7692.537	1219.408081
## 607	0.105998	3706.0889	7269.355	803.505432
## 608	0.100789	3808.9683	7438.423	1229.291016
## 609	0.105313	3823.3152	7491.817	927.924927
## 610	0.112968	3895.9690	7581.522	1018.539856
## 611	0.086045	3620.4648	7234.053	839.808289
## 612	0.110982	3557.0901	6740.715	3021.231201
## 613	0.117000	3364.3811	6323.000	2144.766602
## 614	0.108250	3364.6533	6368.001	2217.166260
## 615	0.076096	3690.0222	7303.070	1760.676758
## 616	0.056661	3537.0488	7088.158	1963.482422
## 617	0.106789	3431.0100	6639.655	942.518738
## 618	0.075977	3431.1570	6892.188	925.957458
## 619	0.101270	3466.0300	6767.968	891.613098
## 620	0.075229	3556.4221	7062.805	951.934204
## 621	0.055645	3424.6821	6847.581	909.243225
## 622	0.069375	3420.2693	6733.334	1289.658081
## 623	0.054875	3325.3567	6643.000	1309.099976
## 624	0.100845	3556.9856	6925.675	808.079102
## 625	0.083000	3348.7095	6592.000	721.736206
## 626	0.113991	3622.9324	7055.113	829.538635
## 627	0.089556	3534.9905	7005.264	1059.160767
## 628	0.094005	3832.2515	7574.813	1146.750854
## 629	0.112375	3360.2307	6408.000	868.607849
## 630	0.101750	3353.4727	6412.000	1185.402710
## 631	0.091250	2539.3396	6503.000	618.961975
## 632	0.111840	3800.9404	7425.833	889.317749
## 633	0.107738	3601.5217	6979.762	762.771362
## 634	0.108427	3810.5403	7394.943	1007.925842
## 635	0.124522	3792.2659	7300.296	955.257080
## 636	0.119522	3782.2385	7310.186	825.867493
## 637	0.090625	3449.2695	6775.000	1537.223145
## 638	0.113504	3684.0601	7186.607	874.002136

## 639	0.110324	3873.6724	7545.981	868.404053
## 640	0.085375	3337.6467	6536.000	1255.539673
## 641	0.092036	3466.6824	6771.773	670.760193
## 642	0.101500	3346.0137	6537.000	1076.757690
## 643	0.082692	3555.0754	7025.642	1235.387939
## 644	0.081500	3322.7590	6571.000	685.804565
## 645	0.072500	3331.2195	6602.999	965.070496
## 646	0.077108	3593.6331	7118.022	808.267578
## 647	0.069975	3640.7571	7256.863	623.880737
## 648	0.068874	3779.9932	7522.029	1024.502075
## 649	0.103750	3344.2576	6485.000	980.863525
## 650	0.097128	3525.6926	6940.541	589.182434
## 651	0.082750	3348.0593	6535.000	607.650879
## 652	0.096625	3364.5706	6540.000	1761.718872
## 653	0.124875	3367.5105	6431.000	1181.836792
## 654	0.092750	3350.9077	6533.000	763.961365
## 655	0.099569	3447.9456	6681.897	1045.841675
## 656	0.110498	3750.6455	7276.562	1446.046753
## 657	0.094018	3536.6584	6892.858	1325.280396
## 658	0.112250	3350.7188	6457.000	1024.981445
## 659	0.100994	3608.5774	7056.818	922.644836
## 660	0.087750	3335.5054	6552.999	865.431030
## 661	0.103317	3724.5889	7263.076	1129.994873
## 662	0.109654	3828.6831	7471.429	1166.695312
## 663	0.096339	3737.9331	7350.000	1418.801880
## 664	0.085557	3553.1362	6965.540	1078.353516
## 665	0.081375	3346.3286	6566.000	1486.337402
## 666	0.070375	3333.4885	6601.999	1079.413818
## 667	0.106250	3649.4087	7024.432	2144.865479
## 668	0.146440	3801.1475	7222.150	861.095398
## 669	0.127250	3371.4749	6399.000	930.575623
## 670	0.164482	3598.7766	6873.780	365.247864
## 671	0.154119	3637.9863	6956.250	840.886108
## 672	0.143910	3597.1316	6808.974	882.666260
## 673	0.095265	3495.5774	6841.667	1568.693726
## 674	0.056424	3494.1438	7013.888	2606.752441
## 675	0.086822	3794.8579	7530.189	1660.519287
## 676	0.094783	3823.4524	7544.423	1538.923828
## 677	0.072917	3763.3203	7475.893	1216.209961
## 678	0.062007	3643.4512	7310.528	1373.758911
## 679	0.086558	3685.1631	7307.937	1068.601440
## 680	0.119420	3694.7517	7141.964	1173.438721
## 681	0.089250	3333.6248	6531.000	922.099854
## 682	0.065625	3316.0830	6621.000	467.142242
## 683	0.096521	2188.2629	7360.851	557.037537
## 684	0.128990	3943.8386	7601.743	1087.138550
## 685	0.100065	3905.4663	7697.994	1052.854614
## 686	0.089481	3737.3909	7338.029	1287.237427
## 687	0.093726	3783.8682	7556.153	698.205505
## 688	0.106610	3865.0850	7573.689	1111.330444
## 689	0.107649	3915.2122	7646.042	923.313660
## 690	0.099299	3915.2554	7649.633	1196.652832
## 691	0.099885	3833.1033	7481.194	1112.579346
## 692	0.081250	3423.7585	6717.242	1021.236755

## 693	0.074543	3524.1458	7059.145	836.545837
## 694	0.095635	3687.9822	7273.809	939.868225
## 695	0.095122	3538.3818	7026.221	635.547058
## 696	0.096507	3493.5896	6826.471	863.417358
## 697	0.070370	3355.6965	6646.296	843.908020
## 698	0.075216	3367.4692	6739.656	736.207092
## 699	0.061538	3309.6787	6641.347	620.323914
## 700	0.118858	3921.6431	7605.950	1347.197998
## 701	0.129137	3921.7966	7554.183	1267.744019
## 702	0.108638	3880.3833	7571.582	1134.962524
## 703	0.119204	3907.1194	7654.603	1140.479736
## 704	0.126601	3871.5791	7657.453	1207.931885
## 705	0.119363	3876.2712	7633.200	1352.251221
## 706	0.125360	3853.6938	7617.454	1124.375122
## 707	0.117254	3838.8718	7563.034	1165.880737
## 708	0.121108	3842.4827	7585.651	1114.237915
## 709	0.119594	3862.8140	7606.500	1393.605103
## 710	0.110022	3850.2163	7558.906	1042.572510
## 711	0.114857	3882.8232	7626.059	1181.719482
## 712	0.118372	3860.2954	7521.841	1025.462524
## 713	0.123657	3898.8984	7595.716	1077.670776
## 714	0.102768	3882.7822	7645.202	1255.159912
## 715	0.100842	3908.2683	7698.320	1255.379150
## 716	0.105323	3908.6101	7726.443	1309.910278
## 717	0.095699	3882.6555	7667.645	1593.645630
## 718	0.081827	3850.1003	7684.124	1650.172485
## 719	0.103902	3936.5308	7701.673	1369.736206
## 720	0.078871	3831.0784	7579.293	1438.181274
## 721	0.095906	3879.0457	7607.356	1455.096191
## 722	0.110750	3316.4812	6490.000	775.257446
## 723	0.102704	3655.6501	7155.771	1195.598755
## 724	0.104972	3788.4714	7407.673	725.471252
## 725	0.144676	3425.6255	7045.834	975.417236
## 726	0.115674	3747.7712	7242.970	1317.090088
## 727	0.117008	3727.8479	7232.378	1385.047607
## 728	0.091843	3703.7378	7290.679	1172.984131
## 729	0.090530	3498.1675	6863.636	713.871277
## 730	0.097581	3727.4971	7302.825	1062.849976
## 731	0.096389	3811.6094	7467.779	1063.335938
## 732	0.079564	3773.2954	7449.999	1199.085327
## 733	0.080007	3786.9160	7520.161	915.415039
## 734	0.075218	3607.0920	7134.301	1078.103394
## 735	0.082264	3558.7078	6982.432	1122.457275
## 736	0.092708	3438.0986	6791.666	869.816162
## 737	0.067708	3448.3608	6839.999	1264.337646
## 738	0.059215	3570.7258	7091.025	2325.071045
## 739	0.071573	3448.5081	6858.063	1151.549194
## 740	0.085322	3491.3328	6860.606	847.752563
## 741	0.081048	3460.9514	6808.065	1146.252197
## 742	0.075799	3593.6604	7126.164	976.865051
## 743	0.121375	3341.0916	6551.000	646.470886
## 744	0.090899	3684.1499	7307.456	640.744019
## 745	0.132133	3619.1775	7094.565	507.578674
## 746	0.096875	3335.2129	6579.999	675.511292

## 747	0.094922	3471.5725	6828.125	711.617188
## 748	0.094326	3554.3452	7029.605	779.956055
## 749	0.097465	3689.9016	7254.246	983.916809
## 750	0.105694	3627.9404	7132.778	810.313110
## 751	0.133482	3725.9937	7296.429	534.012207
## 752	0.114167	3448.3518	6773.334	591.151245
## 753	0.139063	3520.1677	6863.972	530.298035
## 754	0.131686	3606.2114	7090.116	585.694214
## 755	0.126250	3349.1321	6484.000	701.696411
## 756	0.146875	3379.1201	6446.154	841.879150
## 757	0.064352	3386.3389	6695.371	1346.215332
## 758	0.121071	3497.9641	6857.143	839.428467
## 759	0.102210	3795.4670	7364.938	1404.090820
## 760	0.092500	3360.6917	6505.001	1162.945801
## 761	0.093659	3758.5762	7323.188	1330.866211
## 762	0.101236	3815.3123	7420.604	1403.340088
## 763	0.096875	3812.1946	7453.682	1175.955200
## 764	0.075729	3402.3135	6790.833	1903.430420
## 765	0.071964	3807.1157	7569.522	1449.222168
## 766	0.095066	3820.3455	7526.096	1073.780396
## 767	0.108890	3713.6448	7206.465	694.203308
## 768	0.091334	3801.9351	7499.742	1261.727051
## 769	0.085750	3334.8250	6551.000	1194.443481
## 770	0.087033	3779.4126	7430.459	1396.147339
## 771	0.098500	3348.3413	6484.000	1832.777466
## 772	0.115503	3759.2307	7384.091	987.657104
## 773	0.110547	3761.8145	7350.694	1132.277710
## 774	0.118966	3419.0652	6558.621	876.218506
## 775	0.077992	3574.9341	7140.425	322.086426
## 776	0.086798	3646.6150	7170.917	1972.138916
## 777	0.084455	3744.8606	7423.718	1416.403809
## 778	0.108870	3859.8357	7575.001	1280.301270
## 779	0.092134	3694.0818	7249.140	1183.774170
## 780	0.095619	3807.2830	7485.050	1313.650391
## 781	0.089453	3734.6963	7380.207	1159.076416
## 782	0.089631	3872.7498	7686.138	1028.308105
## 783	0.108534	3927.1416	7640.866	1455.801758
## 784	0.116656	3833.6973	7416.754	1314.767456
## 785	0.108581	3735.2036	7241.667	1257.715332
## 786	0.093531	3826.3064	7480.749	1300.723389
## 787	0.097705	3839.3206	7514.379	1165.555054
## 788	0.104567	3877.0012	7520.576	1334.727051
## 789	0.111367	3786.6172	7334.377	1170.811157
## 790	0.105230	3663.2163	7097.450	1208.508789
## 791	0.083218	3831.3716	7574.815	1433.441284
## 792	0.094777	3759.3291	7332.856	1327.095093
## 793	0.102551	3670.2810	7144.389	1236.434326
## 794	0.087625	3364.8718	6533.000	1417.976440
## 795	0.093997	3796.6846	7427.631	3238.067383
## 796	0.097088	3358.4094	7034.659	1323.570679
## 797	0.105247	3836.5215	7464.679	1671.798218
## 798	0.087802	3461.8435	6762.096	767.727661
## 799	0.098000	3347.5945	6493.000	2836.324219
## 800	0.093590	3559.0618	6958.334	1282.755371

## 801	0.085375	3341.2412	6518.000	322.859985
## 802	0.110125	3363.5286	6465.000	2463.307861
## 803	0.100436	3625.2920	7025.000	1432.980957
## 804	0.068945	3607.0945	7178.125	1146.564453
## 805	0.069922	3556.6428	7076.876	890.702637
## 806	0.072875	3342.4336	6604.000	927.590820
## 807	0.070502	3210.9170	7675.733	588.524231
## 808	0.117330	3906.6021	7584.617	1247.623413
## 809	0.126595	3917.4688	7610.703	1053.213623
## 810	0.125159	3936.8809	7600.832	1184.152466
## 811	0.116875	3830.2849	7470.861	801.726807
## 812	0.123848	3937.3599	7656.766	952.254028
## 813	0.132006	3934.4028	7612.551	1009.284973
## 814	0.133803	3945.6755	7656.938	1007.507568
## 815	0.127088	3940.1719	7649.446	1076.462402
## 816	0.134474	3870.2402	7503.309	911.636536
## 817	0.128955	3856.5139	7473.250	1083.524902
## 818	0.085125	3312.9331	6524.000	311.012665
## 819	0.093354	3881.9690	7637.929	1146.596191
## 820	0.109796	3852.4788	7564.046	1229.373047
## 821	0.149233	3892.1724	7530.898	1238.726318
## 822	0.150796	3906.6768	7579.433	1109.395142
## 823	0.134134	3941.8420	7632.720	1157.535278
## 824	0.118389	3766.5337	7268.268	1009.738281
## 825	0.101141	3837.6013	7510.913	1575.804810
## 826	0.076599	3578.5098	7095.931	968.654846
## 827	0.103783	3834.6035	7465.570	1143.779785
## 828	0.132981	3573.3174	7528.497	620.284729
## 829	0.113596	3902.2751	7609.816	1126.704834
## 830	0.081571	3900.3474	7772.280	1495.696289
## 831	0.093109	3910.3101	7743.478	1144.557007
## 832	0.091526	3883.5330	7695.554	885.654663
## 833	0.088095	3756.4512	7577.978	1395.989746
## 834	0.099586	3784.2239	7465.662	1406.087891
## 835	0.089489	3473.6125	6909.090	810.653381
## 836	0.084662	3797.2456	7548.469	693.855652
## 837	0.068889	3614.1050	7181.666	1072.834351
## 838	0.062677	3652.6606	7321.227	1667.035767
## 839	0.052471	3770.9221	7526.454	2212.097412
## 840	0.074009	3549.0344	7060.976	808.933044
## 841	0.072614	3751.7351	7513.979	1270.734009
## 842	0.085714	3367.7495	6692.857	913.079834
## 843	0.059236	3597.2563	7179.445	1607.765503
## 844	0.064908	3683.0098	7346.312	1221.892700
## 845	0.060172	3629.2122	7258.822	1233.546143
## 846	0.033452	3550.4321	7205.114	1586.484497
## 847	0.059918	3725.3394	7422.828	1173.912231
## 848	0.070855	3638.3899	7192.347	1641.489136
## 849	0.069125	3317.8506	6573.000	1047.367188
## 850	0.073106	3446.9246	6871.969	1166.763306
## 851	0.080482	3668.4575	7278.071	961.605957
## 852	0.087436	3617.4399	7185.715	1158.013672
## 853	0.097600	3664.8450	7235.268	1248.405273
## 854	0.079040	3540.0674	7078.659	1109.417114

## 855	0.091509	3797.1169	7496.212	1329.505249
## 856	0.073750	3645.7905	7216.500	1517.338745
## 857	0.057083	3731.6338	7477.667	1641.356445
## 858	0.052628	3567.4502	7165.909	1144.132446
## 859	0.081328	3761.2129	7453.126	1156.899292
## 860	0.107523	3588.8806	7169.443	654.188965
## 861	0.101758	3479.3369	6747.656	1932.038086
## 862	0.111111	3810.1570	7563.096	1222.254517
## 863	0.122168	3745.1038	7379.169	1105.067261
## 864	0.104142	3568.0369	7009.302	1259.879272
## 865	0.115675	3645.5444	7237.500	1040.607422
## 866	0.114349	3656.6519	7261.267	1241.117554
## 867	0.103437	3345.0303	6678.333	553.505920
## 868	0.108239	3444.4575	6767.424	1422.981689
## 869	0.080022	3339.5493	6650.892	1930.189453
## 870	0.094875	3301.0818	6493.000	1494.015015
## 871	0.094326	3380.1770	6921.710	299.708008
## 872	0.109625	3282.8494	6432.000	1055.621216
## 873	0.102625	3292.9700	6471.001	1085.851929
## 874	0.103551	3585.3137	7038.635	1347.896484
## 875	0.103860	3456.3777	6811.765	1241.190796
## 876	0.102500	3717.6167	7402.220	1237.026489
## 877	0.118750	3636.7112	7156.250	1320.804321
## 878	0.123898	3817.7004	7547.208	1255.018799
## 879	0.114121	3791.1472	7485.149	2590.241455
## 880	0.106458	3646.8145	7051.111	1717.491455
## 881	0.126799	3751.9668	7237.499	1217.601562
## 882	0.105147	3760.0845	7267.646	892.146667
## 883	0.117144	3755.8767	7265.278	1060.348022
## 884	0.110597	3823.7988	7449.089	1524.600342
## 885	0.099638	3802.8647	7418.688	1353.573242
## 886	0.093869	3748.9338	7407.279	1229.233398
## 887	0.078125	3584.1213	7090.116	1715.259644
## 888	0.092099	3839.5632	7515.094	1580.047241
## 889	0.110955	3891.8057	7609.092	1561.666382
## 890	0.079875	3348.6467	6551.000	1210.387817
## 891	0.123790	3721.5583	7272.984	1300.313110
## 892	0.098566	3712.9192	7295.900	1187.775879
## 893	0.110667	3776.3252	7336.665	1140.385742
## 894	0.166500	3350.5693	6445.000	796.350647
## 895	0.097719	3775.8223	7586.781	1251.848022
## 896	0.129297	3592.1799	7597.468	1035.850098
## 897	0.147175	3936.0610	7541.685	1193.054321
## 898	0.153458	3944.2163	7521.939	1170.706177
## 899	0.130354	3924.9062	7566.611	1274.225708
## 900	0.115750	3353.8560	6425.001	953.882141
## 901	0.130436	3933.9441	7574.049	1174.195435
## 902	0.208875	3367.6919	6192.000	1052.007935
## 903	0.208916	3949.8772	7399.042	1337.353271
## 904	0.177206	3534.5349	6638.234	1127.365479
## 905	0.218966	3949.5366	7373.197	1301.018066
## 906	0.214139	3946.3721	7353.522	1405.734741
## 907	0.269000	3353.3525	6047.000	551.137207
## 908	0.213839	3931.6877	7326.382	1419.073120

## 909	0.183419	3866.3262	7278.306	1378.083008
## 910	0.192630	3706.7803	6859.434	1458.685791
## 911	0.185842	3932.2527	7443.702	1120.689209
## 912	0.143399	3906.9062	7515.688	1377.656494
## 913	0.162883	3935.8647	7567.900	1093.731934
## 914	0.127202	3590.6716	6953.408	698.873718
## 915	0.089706	3610.7444	7149.510	759.136719
## 916	0.119679	3755.7366	7240.880	1134.396729
## 917	0.104830	3486.8845	6784.092	1006.778381
## 918	0.107344	3575.5181	6925.000	1018.107361
## 919	0.118750	3626.5491	7033.888	1363.143311
## 920	0.163125	3772.4453	7241.875	230.990692
## 921	0.083903	2559.7297	7174.058	926.833679
## 922	0.101406	3697.2590	7353.332	1134.069946
## 923	0.087216	3475.9856	6910.606	964.577820
## 924	0.079125	3315.7732	6622.000	930.810120
## 925	0.091452	3800.7224	7552.941	790.001404
## 926	0.091461	3779.3174	7477.324	806.211182
## 927	0.094850	3677.3096	7247.223	867.066895
## 928	0.104229	3906.6189	7668.031	1175.350830
## 929	0.076854	3826.3184	7713.031	1079.106323
## 930	0.099949	3892.0806	7678.946	711.555115
## 931	0.115564	3909.6201	7690.857	636.559204
## 932	0.106944	3885.1045	7663.890	636.515625
## 933	0.077146	3622.3008	7604.291	447.874176
## 934	0.090694	3001.3132	7060.555	4106.961914
## 935	0.111298	3755.7805	7258.847	1846.252441
## 936	0.117391	3759.3357	7269.204	1309.488403
## 937	0.112984	3773.4937	7261.972	1061.497314
## 938	0.111824	3823.5366	7442.116	1097.462280
## 939	0.110505	3813.5334	7391.754	1312.163818
## 940	0.097227	3759.4028	7383.437	1300.936279
## 941	0.093677	3587.9275	7057.557	1346.138062
## 942	0.085289	3815.9551	7531.604	1723.919189
## 943	0.114080	3878.5146	7594.684	1174.226562
## 944	0.091250	3353.6050	6547.000	1192.397461
## 945	0.065375	3344.8906	6629.999	3345.310059
## 946	0.085069	3537.0032	6925.000	1456.875000
## 947	0.085500	3355.9417	6550.000	1446.549561
## 948	0.132851	3582.5476	6998.782	1035.634766
## 949	0.069750	3321.9404	6596.000	1120.593018
## 950	0.100994	3618.0833	7072.159	1405.916870
## 951	0.109926	3667.0581	7137.256	840.731079
## 952	0.142215	3706.3438	7156.580	1243.065063
## 953	0.081158	3392.2979	6844.854	1237.975708
## 954	0.097250	3232.2358	6537.000	613.661926
## 955	0.026625	3144.6431	6652.000	1764.500732
## 956	0.083028	3692.5710	7300.861	712.852417
## 957	0.085609	3549.0415	7024.342	596.207886
## 958	0.068080	3392.2463	6741.964	533.574951
## 959	0.062109	3458.0662	6898.437	584.978577
## 960	0.034961	3422.1792	6950.782	1417.929199
## 961	0.068216	3571.6965	7082.317	621.959595
## 962	0.088004	3254.3379	6666.128	965.151672

## 963	0.111875	3476.4380	6579.167	2305.922119
## 964	0.120250	3368.9060	6316.000	1461.607422
## 965	0.090214	3560.3352	6892.762	1522.219238
## 966	0.056250	3321.8589	6651.000	1225.322754
## 967	0.092442	3599.1484	7066.860	1212.486572
## 968	0.089145	3550.9641	6966.448	1434.083252
## 969	0.088017	3824.2310	7574.436	1018.257935
## 970	0.052273	3449.6826	6920.454	1216.710083
## 971	0.063750	3320.8967	6572.000	1187.344360
## 972	0.061500	3339.0518	6642.000	952.814026
## 973	0.109444	3634.5569	7074.445	740.662720
## 974	0.105934	3764.7466	7399.052	988.329102
## 975	0.091625	3316.3621	6552.000	1034.810303
## 976	0.075469	3548.8367	7049.375	1184.815674
## 977	0.079625	3319.3936	6608.000	876.703369
## 978	0.102966	3699.8738	7218.221	873.672791
## 979	0.112500	3507.3589	6663.282	1249.187866
## 980	0.100000	3320.3958	6898.649	892.209839
## 981	0.146310	3852.8853	7333.333	937.832153
## 982	0.162628	3866.0085	7381.148	820.049744
## 983	0.084789	3762.6521	7440.360	2067.399414
## 984	0.093644	3682.0068	7272.456	1266.078003
## 985	0.077715	3687.7661	7337.705	1999.337036
## 986	0.089875	3321.7595	6516.000	920.848694
## 987	0.083875	3315.3169	6575.001	1193.463135
## 988	0.074479	3727.3704	7405.556	1581.812134
## 989	0.096602	3813.2192	7727.063	987.350769
## 990	0.131483	3796.6526	7555.809	756.595093
## 991	0.135425	3905.6135	7635.367	1163.883667
## 992	0.138318	3899.9285	7591.323	1467.687866
## 993	0.137311	3795.1646	7404.741	1212.006958
## 994	0.125395	3924.0569	7662.570	1214.264404
## 995	0.111190	3880.5449	7639.924	1090.948120
## 996	0.118212	3913.9480	7671.058	1176.057739
## 997	0.109836	3727.3469	7379.211	1209.294800
## 998	0.110802	3828.9248	7524.854	1241.084961
## 999	0.098317	3317.7678	6507.692	1032.148804
## 1000	0.100124	3760.8586	7429.951	1245.681030
## 1001	0.079760	3647.8337	7341.153	852.820679
## 1002	0.104464	3828.4702	7508.272	1155.190308
## 1003	0.107797	3212.7388	7466.990	923.493835
## 1004	0.245313	3895.4490	7235.596	844.709045
## 1005	0.209647	3740.2649	7067.753	1240.028931
## 1006	0.164407	3616.5928	7101.693	1128.856689
## 1007	0.105125	3353.5901	6525.000	872.489563
## 1008	0.107054	3768.2588	7322.500	1066.940918
## 1009	0.108047	3565.7363	6956.875	656.615295
## 1010	0.101000	3332.5271	6500.000	1338.346558
## 1011	0.164440	3701.5264	7268.102	1097.742310
## 1012	0.148636	3700.1414	7228.873	1486.347534
## 1013	0.116883	3798.2007	7361.282	1293.322998
## 1014	0.135486	3641.4216	6985.000	1092.272339
## 1015	0.124357	3529.3274	6771.325	1305.862915
## 1016	0.204770	3542.2200	6584.211	1185.832153

## 1017 0.164655	3740.2566	7043.534	775.142151
## 1018 0.133475	3715.2427	7210.227	962.162598
## 1019 0.143019	3762.0862	7331.381	1441.402588
## 1020 0.130792	3791.2703	7288.999	1272.214355
## 1021 0.145655	3596.3125	6881.098	907.594971
## 1022 0.136659	3373.2168	6442.308	1117.753906
## 1023 0.146725	3834.1277	7389.903	1349.762573
## 1024 0.155455	3862.4854	7475.145	1051.102417
## 1025 0.131720	3847.0491	7440.789	1504.703125
## 1026 0.132480	3712.6418	7172.541	1254.521606
## 1027 0.148258	3743.5342	7106.967	1576.923096
## 1028 0.151786	3717.1235	7024.106	1338.410278
## 1029 0.130239	3470.1934	6791.911	1216.615356
## 1030 0.123986	3431.6809	6842.569	918.856934
## 1031 0.136203	3760.5312	7340.956	1463.270752
## 1032 0.147569	3380.6311	6786.112	1243.420288
## 1033 0.119792	3491.3870	6829.167	1391.872314
## 1034 0.132250	3350.4116	6475.000	1314.360107
## 1035 0.145086	3869.2910	7498.521	1197.484131
## 1036 0.134188	3743.5718	7212.312	1623.625610
## 1037 0.152068	3770.8591	7156.986	1295.065186
## 1038 0.140303	3833.7002	7352.834	1000.488831
## 1039 0.112429	3791.6062	7385.794	1399.428223
## 1040 0.136440	3611.3303	7120.982	1674.298462
## 1041 0.186903	3664.5105	7097.426	1146.866211
## 1042 0.174554	3592.3022	6844.643	666.006348
## 1043 0.133066	3820.7559	7472.297	1152.889038
## 1044 0.138738	3519.8486	7070.754	982.712097
## 1045 0.127007	3953.8787	7679.665	1161.706543
## 1046 0.135440	3935.1355	7630.741	1115.376587
## 1047 0.129931	3889.4724	7508.193	1088.367798
## 1048 0.132020	3920.1873	7608.068	1202.145020
## 1049 0.152863	3920.1345	7541.893	1525.122070
## 1050 0.134986	3948.1128	7638.243	1153.108154
## 1051 0.132406	3936.3342	7619.578	1120.743774
## 1052 0.141188	3892.7539	7522.906	1297.484985
## 1053 0.147910	3935.7263	7566.988	1369.590454
## 1054 0.140139	3856.0579	7431.755	1313.126709
## 1055 0.133206	3942.6541	7631.862	1149.597290
## 1056 0.127679	3887.7546	7500.298	1203.593994
## 1057 0.139006	3947.9087	7622.386	1148.462402
## 1058 0.152803	3931.4043	7570.032	1359.650513
## 1059 0.152546	3630.5112	7007.407	909.403076
## 1060 0.132789	3923.0432	7587.183	1145.096802
## 1061 0.124396	3910.5356	7561.910	1178.109863
## 1062 0.126264	3844.0022	7448.855	1028.902588
## 1063 0.117624	3896.8557	7555.584	1035.187256
## 1064 0.108136	3683.4905	7187.500	1327.697998
## 1065 0.100087	3398.8137	6892.360	1307.052368
## 1066 0.102138	3538.6140	6923.682	1522.954590
## 1067 0.164900	3634.8730	7065.627	1083.903442
## 1068 0.129883	3820.1511	7425.893	1496.338989
## 1069 0.149170	3664.7151	7197.264	936.163147
## 1070 0.101480	3543.9963	6935.526	1239.348511

## 1071 0.104000	3308.9441	6479.000	940.049500
## 1072 0.102593	3470.1694	7086.170	1247.009521
## 1073 0.155954	3686.4180	7192.905	1303.517212
## 1074 0.120341	3691.4316	7139.091	1394.730957
## 1075 0.158929	3436.4565	6504.465	1128.779053
## 1076 0.168375	3366.4712	6353.000	550.049866
## 1077 0.162292	3864.3333	7344.166	1187.652466
## 1078 0.139344	3737.9209	7188.114	556.469910
## 1079 0.113258	3510.7761	6816.667	505.067352
## 1080 0.080250	3085.4248	6546.000	1165.970215
## 1081 0.106125	3329.3582	6501.000	897.738647
## 1082 0.084375	3324.4014	6537.999	1056.942383
## 1083 0.088609	3787.0347	7466.129	1204.329224
## 1084 0.077620	3709.4033	7380.516	1450.713501
## 1085 0.080174	3710.1438	7331.148	1113.098755
## 1086 0.076411	3693.8831	7338.709	1029.394897
## 1087 0.070747	3499.3586	6994.444	1246.901733
## 1088 0.091176	3489.5488	6865.440	1226.028687
## 1089 0.097356	3712.7563	7276.537	1471.788452
## 1090 0.080625	3301.5454	6570.000	753.053284
## 1091 0.071296	3346.2307	6680.555	816.695557
## 1092 0.106500	3289.5190	6551.000	801.983276
## 1093 0.093210	3720.5508	7382.099	1300.462036
## 1094 0.074700	3637.7576	7271.154	1484.287598
## 1095 0.066853	3379.0212	6714.285	911.855042
## 1096 0.080341	3501.2908	7239.543	1152.732056
## 1097 0.096284	3462.2988	6920.947	1061.548706
## 1098 0.103010	3834.7966	7530.884	1028.028564
## 1099 0.097122	3858.5161	7560.073	1727.333374
## 1100 0.068140	3559.1970	7101.830	1422.049316
## 1101 0.074085	3740.0295	7452.744	1236.773560
## 1102 0.107465	3874.7407	7650.472	1192.102661
## 1103 0.071270	3697.0728	7340.726	1236.919678
## 1104 0.081414	3646.3586	7482.105	1569.589966
## 1105 0.088352	3817.1116	7547.729	1054.849243
## 1106 0.091626	3879.4741	7651.089	1301.186523
## 1107 0.105428	3749.3386	7383.880	856.860962
## 1108 0.088920	3491.0251	6846.212	1013.236206
## 1109 0.100063	3811.4214	7451.011	1200.081299
## 1110 0.099858	3590.1345	7073.295	683.855713
## 1111 0.102771	3669.3438	7166.038	861.673950
## 1112 0.104142	3777.5161	7398.837	1181.930908
## 1113 0.100381	3583.5210	6995.731	863.238586
## 1114 0.123925	3811.5012	7351.345	793.813599
## 1115 0.041071	3112.1277	6774.107	1243.767334
## 1116 0.060625	3621.9077	7213.333	3373.437012
## 1117 0.044314	3678.4751	7385.655	2139.484863
## 1118 0.078799	3608.2520	7202.451	804.142090
## 1119 0.057599	3566.7627	7177.840	1600.965210
## 1120 0.080299	3696.1689	7380.798	1111.106689
## 1121 0.062181	3623.5083	7235.203	1481.489136
## 1122 0.061058	3341.3472	6642.308	1065.515015
## 1123 0.064355	3451.7903	6873.438	1155.073364
## 1124 0.059430	3662.5229	7323.245	1135.054932

## 1125 0.032000	3609.9531	7293.000	1498.382935
## 1126 0.065402	3683.0608	7307.588	1039.043823
## 1127 0.058232	3577.2700	7101.830	1880.694824
## 1128 0.082047	3753.2998	7493.877	1068.705078
## 1129 0.086000	3322.2974	6563.000	897.687012
## 1130 0.075625	3319.4255	6540.000	1222.916016
## 1131 0.094411	3782.5330	7516.107	1116.834106
## 1132 0.084441	3867.3726	7663.951	1501.069580
## 1133 0.105660	3778.9160	7696.664	1028.182373
## 1134 0.128738	3887.0859	7593.796	1328.486816
## 1135 0.141355	3870.6343	7603.937	1333.526855
## 1136 0.131710	3600.8762	7555.657	1055.898438
## 1137 0.132283	3888.1101	7610.041	1430.843994
## 1138 0.119107	3884.2163	7628.072	1370.415039
## 1139 0.128360	3914.0642	7589.176	1472.565552
## 1140 0.117750	3360.0708	6434.000	1983.598022
## 1141 0.123371	3835.4792	7394.443	1615.193359
## 1142 0.117667	3843.5034	7450.000	1567.940674
## 1143 0.121791	3821.2483	7386.487	1358.744873
## 1144 0.127472	3837.2363	7373.407	1453.552734
## 1145 0.135789	3939.7871	7596.731	1533.118042
## 1146 0.141375	3328.2246	6419.000	1045.198608
## 1147 0.117325	3844.0637	7418.421	1723.449585
## 1148 0.096375	3321.8298	6503.000	750.715942
## 1149 0.109024	3818.8684	7390.308	1656.198120
## 1150 0.129550	3824.2288	7385.967	1076.827271
## 1151 0.099107	3717.2561	7236.904	1706.018921
## 1152 0.144836	3924.3579	7609.629	1498.631714
## 1153 0.151625	3317.9373	6350.000	1023.918823
## 1154 0.150897	3833.2590	7388.696	1464.171875
## 1155 0.082000	3218.1953	6529.000	813.660767
## 1156 0.140231	3822.1936	7341.747	1329.788452
## 1157 0.131943	3910.3677	7537.443	1561.206055
## 1158 0.120010	3729.3999	7187.099	1389.227173
## 1159 0.148719	3809.2200	7324.001	1261.951416
## 1160 0.130122	3545.9331	6801.388	1452.243164
## 1161 0.125268	3754.3193	7213.570	1387.814819
## 1162 0.125658	3590.6814	6775.659	2206.459229
## 1163 0.108375	3348.0217	6454.000	1241.345215
## 1164 0.131375	3307.4841	6378.000	956.379883
## 1165 0.129972	3614.2571	6936.931	1099.064453
## 1166 0.113810	3453.9980	6740.324	1352.807861
## 1167 0.108500	3344.7441	6468.000	1608.248779
## 1168 0.136678	3527.7419	6872.369	839.116821
## 1169 0.140854	3558.3408	6925.000	319.567871
## 1170 0.132836	3893.8130	7552.537	1442.681641
## 1171 0.106330	3571.1646	6962.179	1344.971924
## 1172 0.140856	3709.3230	7062.500	1383.082886
## 1173 0.114103	3569.1716	6918.591	954.501648
## 1174 0.198875	3327.2153	6347.000	43.067459
## 1175 0.165509	3411.3379	6517.593	346.158173
## 1176 0.124880	3380.9065	6513.461	550.716614
## 1177 0.076125	2918.2979	6565.000	600.843018
## 1178 0.081134	3409.2593	6615.740	3331.151611

## 1179 0.087139	3392.1255	6554.809	1900.736450
## 1180 0.088470	3458.2222	6682.759	1091.420288
## 1181 0.094602	3525.6609	6842.424	1820.315552
## 1182 0.086422	3447.3530	6717.242	1199.624634
## 1183 0.080375	3341.0491	6529.001	1409.364014
## 1184 0.085125	3346.7307	6525.000	1763.953003
## 1185 0.094125	3350.5042	6517.000	756.934082
## 1186 0.082157	3459.0835	6774.999	1432.361938
## 1187 0.072953	3450.3386	6695.690	1940.201416
## 1188 0.103676	3536.7815	6833.088	1136.064575
## 1189 0.094420	3645.2881	7234.821	1224.697144
## 1190 0.098818	3512.1619	6960.135	1480.208252
## 1191 0.084809	3514.4521	6933.333	1681.434814
## 1192 0.089500	3339.5491	6530.000	490.945312
## 1193 0.083500	3340.5696	6555.000	1074.683716
## 1194 0.084125	3349.5703	6555.000	1122.091431
## 1195 0.109145	3823.6245	7442.368	1119.959717
## 1196 0.080787	3395.0857	6665.741	1219.314209
## 1197 0.081562	3452.0706	6781.667	1224.769531
## 1198 0.104540	3688.0642	7219.812	1204.528687
## 1199 0.092534	3891.8176	7623.827	1739.828247
## 1200 0.077625	3343.7041	6570.000	978.111877
## 1201 0.091500	3357.6018	6549.000	1048.067017
## 1202 0.095750	3348.6343	6546.000	1001.164246
## 1203 0.107813	3591.7793	7003.750	685.300232
## 1204 0.114000	3345.5417	6503.000	568.651917
## 1205 0.125969	3833.6333	7446.750	869.581238
## 1206 0.113185	3922.1516	7631.622	1467.506226
## 1207 0.120144	3904.9199	7638.745	836.777771
## 1208 0.080306	3808.2366	7531.250	1332.142090
## 1209 0.067460	3703.3652	7378.173	920.561218
## 1210 0.092574	3796.7844	7483.912	1773.442749
## 1211 0.106997	3853.8086	7480.088	1149.363647
## 1212 0.121514	3877.8247	7485.770	1309.887573
## 1213 0.109961	3791.7773	7354.375	1036.254517
## 1214 0.090820	3650.5259	7149.479	1369.002075
## 1215 0.093820	3863.3979	7564.552	1163.956787
## 1216 0.092125	3359.5300	6522.000	1206.251709
## 1217 0.087375	3345.7117	6519.999	744.473145
## 1218 0.082875	3342.7034	6538.001	810.236755
## 1219 0.104319	3822.6250	7410.954	1442.289917
## 1220 0.100363	3603.3958	7038.952	744.359619
## 1221 0.115871	3812.7632	7357.304	1542.121460
## 1222 0.078832	3754.8391	7444.343	1220.963867
## 1223 0.088834	3783.0032	7410.977	1406.547974
## 1224 0.085938	3460.1851	6725.833	1838.015625
## 1225 0.105284	3708.3547	7209.090	1327.831787
## 1226 0.105307	3896.2854	7614.499	2058.462891
## 1227 0.119360	3584.3350	6946.952	368.916656
## 1228 0.094952	3366.0508	6543.270	646.719788
## 1229 0.104948	3796.6890	7388.690	1059.487671
## 1230 0.120384	3907.6946	7563.993	1034.422974
## 1231 0.112946	3897.1548	7594.646	888.505066
## 1232 0.113049	3532.9131	7560.638	842.984070

## 1233 0.127673	3895.3176	7585.457	1155.019409
## 1234 0.137245	3799.3350	7347.451	1624.802124
## 1235 0.127534	3894.3564	7601.118	1373.491333
## 1236 0.134029	3896.6040	7641.233	1374.556763
## 1237 0.136773	3900.4897	7616.821	1185.132690
## 1238 0.074500	2966.7771	6552.000	406.641113
## 1239 0.128178	3672.8196	7402.544	1235.488037
## 1240 0.142887	3811.1099	7521.337	1196.701660
## 1241 0.127494	3797.8960	7433.259	1016.914429
## 1242 0.137832	3847.2502	7607.411	1218.059082
## 1243 0.076250	3334.2673	6559.000	1544.254150
## 1244 0.114934	3706.2444	7378.685	1440.732300
## 1245 0.144932	3874.7412	7610.886	1219.910522
## 1246 0.166385	3843.3389	7425.277	1019.370667
## 1247 0.159471	3773.4722	7459.184	973.338135
## 1248 0.148806	3715.1948	7263.202	1223.048584
## 1249 0.149609	3885.1082	7457.810	1202.694824
## 1250 0.135436	3880.5081	7563.062	1189.876831
## 1251 0.114203	3909.1345	7627.161	1456.669189
## 1252 0.093324	3732.2961	7296.969	1340.760864
## 1253 0.136602	3485.3459	7313.506	817.286621
## 1254 0.130556	3564.6179	7273.959	783.811646
## 1255 0.182191	3795.0603	7202.688	893.389526
## 1256 0.109125	3339.3589	6512.001	1192.712769
## 1257 0.149500	3337.3435	6410.001	961.140442
## 1258 0.115215	3566.3987	7206.148	1513.608398
## 1259 0.141623	3825.6816	7502.698	1136.634155
## 1260 0.157706	3832.0098	7416.334	1133.674561
## 1261 0.127899	3782.4700	7507.916	1227.127319
## 1262 0.147589	3877.0129	7618.206	1169.236206
## 1263 0.123268	3680.8167	7313.855	711.969299
## 1264 0.150050	3880.6921	7583.916	1103.039917
## 1265 0.121056	3772.2383	7521.726	1219.362671
## 1266 0.134115	3907.4529	7611.739	1458.729858
## 1267 0.076750	3349.7800	6562.001	1840.203247
## 1268 0.128204	3720.3025	7434.956	1304.428589
## 1269 0.094090	3552.8662	6983.154	828.604797
## 1270 0.091992	3467.2175	6836.719	963.810242
## 1271 0.107692	3560.9919	6990.386	601.493103
## 1272 0.111806	3385.9646	6591.667	512.921753
## 1273 0.103906	3467.9082	6828.905	841.171082
## 1274 0.116431	3468.1626	6764.516	728.116516
## 1275 0.093634	3399.7607	6620.370	783.793640
## 1276 0.095375	3352.4287	6535.000	689.254578
## 1277 0.122965	3619.4495	7033.139	693.311401
## 1278 0.109125	3364.4741	6501.999	1005.861267
## 1279 0.104500	3360.8381	6553.000	812.819458
## 1280 0.113965	3489.7297	6801.562	927.796204
## 1281 0.117054	3532.2673	6869.285	920.808655
## 1282 0.130869	3590.7344	7007.926	641.474487
## 1283 0.115284	3687.2688	7232.729	896.547974
## 1284 0.114250	3667.6968	7155.999	818.994690
## 1285 0.075171	3681.2139	7471.576	1543.079712
## 1286 0.072218	3377.2717	7486.585	1570.039429

## 1287 0.071010	3715.8674	7398.461	1371.706055
## 1288 0.059961	3472.0591	6891.406	1076.520508
## 1289 0.071023	3837.8691	7644.885	1312.229858
## 1290 0.113400	3707.8511	7248.307	1076.628906
## 1291 0.180750	3259.2954	6410.000	232.779114
## 1292 0.073891	3456.1765	6842.742	794.177307
## 1293 0.071250	3317.6199	6578.000	629.796936
## 1294 0.086814	3571.0623	7088.414	558.259583
## 1295 0.069000	3331.0237	6603.000	655.391663
## 1296 0.064750	3308.7439	6609.001	449.544373
## 1297 0.058375	3312.7368	6629.000	707.476746
## 1298 0.043125	3565.2217	7212.222	1081.992554
## 1299 0.098958	3657.4612	7097.686	1152.375244
## 1300 0.116176	3541.7070	6683.824	1804.411865
## 1301 0.093250	3364.9106	6440.000	1425.520020
## 1302 0.069500	3320.4021	6527.000	1361.589966
## 1303 0.086584	3697.8179	7291.380	1090.167725
## 1304 0.068750	3541.1750	7046.710	1633.335693
## 1305 0.098884	3388.5969	6678.571	842.280029
## 1306 0.078125	3442.5710	6846.094	930.696228
## 1307 0.069336	3446.3154	6867.186	1016.149536
## 1308 0.086204	3567.0232	7015.243	930.995483
## 1309 0.050605	3410.1489	6881.451	1080.624390
## 1310 0.080417	3438.6646	6692.500	1434.432373
## 1311 0.060000	3334.7759	6635.000	963.735840
## 1312 0.111431	3569.7236	6938.158	791.829346
## 1313 0.082875	3341.9177	6602.000	901.538513
## 1314 0.116715	3605.5493	7022.094	807.625854
## 1315 0.102056	3548.2275	6955.921	1027.989502
## 1316 0.095625	3836.0464	7561.296	1114.120239
## 1317 0.110570	3533.9351	6722.794	1199.057983
## 1318 0.091375	2654.8389	6483.999	606.166199
## 1319 0.112000	3380.1812	6470.001	1319.843872
## 1320 0.149219	3640.0522	6895.455	820.930908
## 1321 0.139241	3797.9326	7272.152	838.917908
## 1322 0.150750	3354.4146	6400.000	348.379028
## 1323 0.165625	3611.8459	6859.756	582.777283
## 1324 0.133523	3641.2429	6936.931	1062.977783
## 1325 0.070156	3539.7991	7085.000	1810.057495
## 1326 0.082227	3471.5972	6822.656	2455.365234
## 1327 0.099566	3529.0164	6913.889	1098.170044
## 1328 0.091509	3794.6326	7516.980	1688.434814
## 1329 0.080046	3816.9590	7578.686	1477.860474
## 1330 0.072063	3745.5735	7462.951	1309.558105
## 1331 0.076401	3666.2837	7290.948	1073.831055
## 1332 0.097581	3616.5503	7277.823	1331.412598
## 1333 0.077740	3550.9307	7365.769	816.475403
## 1334 0.051875	793.8352	6368.000	0.001307
## 1335 0.123020	3761.1680	7646.183	915.196716
## 1336 0.101500	3355.5400	6511.000	1283.334473
## 1337 0.133248	3906.8318	7525.342	1314.997314
## 1338 0.130195	3885.8167	7471.252	1236.793823
## 1339 0.137887	3939.0251	7586.198	1229.418335
## 1340 0.137434	3926.3215	7554.357	1341.751587

## 1341 0.146195	3909.8855	7513.860	1294.786987
## 1342 0.135988	3856.3010	7458.226	1109.838379
## 1343 0.122763	3860.8804	7515.089	1205.768433
## 1344 0.165523	3891.3591	7474.271	1058.052734
## 1345 0.163843	3898.7856	7502.137	1212.249268
## 1346 0.161140	3936.3979	7576.631	1253.743530
## 1347 0.120989	3350.1536	7580.316	886.792236
## 1348 0.042140	1233.6383	6904.545	0.003518
## 1349 0.053201	1575.9661	7067.682	2.581522
## 1350 0.101971	3011.5684	7543.037	911.034729
## 1351 0.070867	1014.3376	7474.884	27.588366
## 1352 0.062875	746.4634	6263.001	0.001302
## 1353 0.059500	761.9796	6272.000	0.001358
## 1354 0.063143	2585.1511	6828.677	517.705811
## 1355 0.101122	3540.8867	6950.643	427.378784
## 1356 0.097222	3621.8894	7083.331	1094.904297
## 1357 0.102832	3736.1172	7281.641	1186.372314
## 1358 0.076375	3024.1611	6561.000	606.643311
## 1359 0.087558	3683.4368	7655.068	1360.954468
## 1360 0.119712	3934.6790	7613.172	1219.277466
## 1361 0.094588	3813.8096	7471.136	1186.241455
## 1362 0.092361	3730.0486	7299.207	1053.473755
## 1363 0.103688	3835.3674	7453.000	1202.419678
## 1364 0.102157	3853.1003	7486.285	1403.477661
## 1365 0.114832	3867.3826	7482.696	1355.206177
## 1366 0.085195	3745.7200	7408.126	1214.177734
## 1367 0.077423	3629.7688	7169.898	1650.621582
## 1368 0.102292	3873.3555	7544.261	1341.655640
## 1369 0.091100	3889.7532	7722.966	1548.216553
## 1370 0.103125	3890.4019	7664.743	683.967834
## 1371 0.119028	3891.4954	7636.942	616.017273
## 1372 0.109539	3916.4365	7709.698	655.468079
## 1373 0.112608	3418.8132	6628.448	455.672272
## 1374 0.026535	3449.9836	7403.070	343.024078
## 1375 0.024625	1727.0051	6648.000	0.247825
## 1376 0.109259	3401.9021	6569.445	1163.271851
## 1377 0.093171	3400.5864	6574.075	2104.442139
## 1378 0.086518	3535.8828	6878.572	1621.092773
## 1379 0.100309	3796.5969	7371.915	1399.248657
## 1380 0.078625	3345.6194	6558.000	964.359192
## 1381 0.101178	3759.4421	7308.695	1440.705811
## 1382 0.095181	3898.8713	7644.278	1349.799561
## 1383 0.117139	3933.6016	7623.268	1169.637207
## 1384 0.104543	3816.5630	7432.217	1348.824829
## 1385 0.090575	3739.0647	7299.999	1170.008667
## 1386 0.095562	3817.7158	7483.001	1135.274902
## 1387 0.102185	3848.8191	7486.283	1350.884521
## 1388 0.114111	3868.7781	7486.348	1229.586548
## 1389 0.094844	3769.9084	7381.563	1458.180542
## 1390 0.076020	3608.0002	7185.713	1161.082642
## 1391 0.100453	3863.1704	7539.312	1319.684448
## 1392 0.098741	3766.3879	7302.986	1921.229492
## 1393 0.069750	3377.3105	6619.000	4805.203125
## 1394 0.127876	3106.1890	7503.484	663.933167

## 1395 0.146177	3952.3132	7646.289	853.580383
## 1396 0.122250	3314.0762	6496.000	142.112213
## 1397 0.106887	3886.9758	7673.804	1132.753662
## 1398 0.120829	3954.4460	7655.946	1497.232178
## 1399 0.114834	3926.0701	7624.680	1498.374146
## 1400 0.139422	3926.1777	7577.598	1004.454407
## 1401 0.153839	3911.8599	7474.135	1253.704468
## 1402 0.131034	3890.0908	7480.583	1010.923279
## 1403 0.118066	3913.7729	7565.235	1319.120850
## 1404 0.121033	3927.6482	7579.627	1255.122314
## 1405 0.081875	3338.2937	6497.000	798.363403
## 1406 0.120474	3791.3921	7304.022	1298.031250
## 1407 0.210917	3922.5652	7358.702	1212.398560
## 1408 0.200750	3357.8804	6251.000	642.500427
## 1409 0.227507	3946.9778	7417.979	1097.885620
## 1410 0.140792	3929.3787	7582.784	1696.610596
## 1411 0.162676	3917.8911	7552.729	1114.260986
## 1412 0.152694	3712.3281	7017.672	1050.239380
## 1413 0.130319	3907.4321	7531.110	1284.500610
## 1414 0.123083	3900.6863	7530.146	1187.006104
## 1415 0.124886	3827.7244	7366.592	1064.286987
## 1416 0.113399	3865.9836	7479.737	1326.286865
## 1417 0.122755	3876.4900	7521.120	1056.543823
## 1418 0.131588	3904.0986	7533.783	1262.869019
## 1419 0.103766	3914.2131	7655.466	1395.768066
## 1420 0.103265	3934.3147	7675.374	1677.983887
## 1421 0.109008	3935.1787	7628.916	1484.528198
## 1422 0.098375	3354.3794	6465.001	1622.621582
## 1423 0.086174	3493.2896	6808.333	2075.483398
## 1424 0.091000	3330.9534	6494.000	1097.361084
## 1425 0.103625	3324.6699	6505.000	737.044556
## 1426 0.092750	3312.9373	6559.001	257.113892
## 1427 0.129141	3583.8999	6995.626	724.487976
## 1428 0.119231	2514.7712	6464.423	162.728333
## 1429 0.151000	3614.6184	7328.749	434.871460
## 1430 0.080718	3799.1848	7530.320	1421.777222
## 1431 0.074539	3782.6794	7523.947	1529.407837
## 1432 0.082974	3440.7979	6763.794	1737.199463
## 1433 0.068958	3795.3931	7576.904	1366.661621
## 1434 0.108580	3829.9446	7489.036	912.483398
## 1435 0.092672	3701.9512	7239.656	1079.433594
## 1436 0.095361	3797.3176	7486.598	1370.326904
## 1437 0.084125	3325.3152	6542.000	1162.810791
## 1438 0.090661	3783.2148	7427.300	1537.039307
## 1439 0.106125	3345.7649	6582.000	660.694519
## 1440 0.107123	3902.7104	7620.089	1854.123901
## 1441 0.116908	3875.8010	7493.843	1240.075439
## 1442 0.107315	3633.9016	7001.703	987.173767
## 1443 0.113826	3730.9097	7235.228	1035.444092
## 1444 0.108786	3737.6909	7289.854	1505.958618
## 1445 0.111268	3761.2371	7277.820	1295.416626
## 1446 0.096791	3813.9707	7495.721	1316.567993
## 1447 0.088863	3791.5251	7477.661	1625.711426
## 1448 0.091875	3786.8831	7419.376	1546.980347

## 1449 0.115327	3577.3101	7016.667	1086.852539
## 1450 0.112529	3821.4287	7479.906	1094.264160
## 1451 0.107120	3889.1050	7625.566	1783.304688
## 1452 0.079375	3339.3206	6555.000	1489.369141
## 1453 0.102875	3334.4844	6528.000	674.727722
## 1454 0.147049	3694.6235	7114.815	797.780029
## 1455 0.100875	3345.1770	6491.999	1450.948242
## 1456 0.071759	3298.1902	6625.000	1352.585815
## 1457 0.125116	3300.7083	6586.111	762.343079
## 1458 0.043482	3295.3535	6975.000	1390.437622
## 1459 0.102585	3793.4048	7360.187	1450.910767
## 1460 0.094625	3360.3284	6506.000	1141.334106
## 1461 0.095380	3765.1792	7317.752	1282.536255
## 1462 0.109743	3531.4741	6808.088	1259.407837
## 1463 0.082996	3527.8735	6870.588	1502.847900
## 1464 0.097168	3742.5120	7285.938	1285.146484
## 1465 0.073750	3327.2148	6571.000	721.683716
## 1466 0.091295	3416.3618	6644.643	1095.442383
## 1467 0.084750	3336.6382	6505.999	764.607300
## 1468 0.123997	3799.1353	7302.160	921.267639
## 1469 0.098738	3660.2317	7143.750	1723.123291
## 1470 0.072321	3412.8286	6705.357	1489.333130
## 1471 0.083125	3667.6497	7277.273	1431.562866
## 1472 0.064497	3514.2520	6993.055	1343.196289
## 1473 0.084053	3827.9846	7597.792	1237.455444
## 1474 0.113759	3851.4468	7517.807	1220.294189
## 1475 0.100048	3614.3713	7298.074	1147.066406
## 1476 0.068359	3728.3743	7423.264	1250.746216
## 1477 0.103664	3395.7849	6679.312	1187.849731
## 1478 0.053657	3333.1221	7186.171	1024.163940
## 1479 0.085140	3638.3149	7166.325	1740.314575
## 1480 0.083734	3735.6475	7422.116	1167.016479
## 1481 0.109600	3862.6646	7574.550	1232.730713
## 1482 0.093265	3696.6707	7244.827	1166.375366
## 1483 0.096842	3799.3735	7481.250	1234.528809
## 1484 0.090283	3744.2375	7384.934	1287.125000
## 1485 0.087500	3863.6494	7717.062	1040.481079
## 1486 0.097151	3889.5215	7687.606	766.335999
## 1487 0.119538	3895.9458	7626.116	584.359192
## 1488 0.105912	3911.3721	7722.989	671.358276
## 1489 0.104712	3707.8831	7297.222	579.298889
## 1490 0.098125	3324.7153	6523.000	523.886597
## 1491 0.128423	3716.4700	7216.667	523.695374
## 1492 0.054181	2472.7727	7588.345	560.180786
## 1493 0.106597	3535.2368	6916.667	1191.775757
## 1494 0.137929	3882.5117	7458.570	1141.598389
## 1495 0.136903	3946.9443	7586.498	1329.979614
## 1496 0.128485	3909.3376	7557.993	1262.772583
## 1497 0.135829	3812.0730	7339.603	1038.950562
## 1498 0.118325	3824.3789	7389.320	1393.759277
## 1499 0.138827	3829.2698	7345.796	1191.789673
## 1500 0.129027	3936.0703	7599.671	1443.435303
## 1501 0.123363	3854.3743	7511.737	1193.818604
## 1502 0.124013	3701.4121	7169.736	1404.983154

## 1503 0.133778	3831.1331	7372.272	1415.815308
## 1504 0.139191	3858.2129	7431.336	1227.324463
## 1505 0.112866	3786.0603	7406.647	1090.313232
## 1506 0.121140	3826.7278	7463.788	1010.546814
## 1507 0.105240	3931.8162	7715.656	1403.244873
## 1508 0.114619	3867.8970	7530.790	1471.705811
## 1509 0.103739	3909.2729	7651.287	1593.310547
## 1510 0.093851	3872.2771	7570.323	1824.144043
## 1511 0.097075	3887.5945	7643.774	1588.217896
## 1512 0.096779	3868.4888	7553.083	2000.030029
## 1513 0.098060	3778.7634	7376.150	1806.760254
## 1514 0.097833	3834.4021	7541.059	1269.982788
## 1515 0.109781	3916.3325	7676.525	1479.037354
## 1516 0.097054	3839.8733	7615.756	1235.268066
## 1517 0.104779	3883.6191	7634.930	1468.636597
## 1518 0.103971	3863.0354	7580.988	1471.147827
## 1519 0.105802	3886.7861	7598.155	1843.362915
## 1520 0.106140	3878.0347	7527.340	1754.767700
## 1521 0.101727	3864.5894	7607.648	1402.630737
## 1522 0.108333	3856.3887	7508.334	1826.077393
## 1523 0.123868	3733.3071	7243.115	1009.945984
## 1524 0.107072	3564.6042	6890.790	1858.235474
## 1525 0.116745	3824.4387	7408.964	1394.593140
## 1526 0.103825	3918.3411	7688.595	1561.748657
## 1527 0.102915	3863.7139	7601.120	1628.154907
## 1528 0.099829	3897.8660	7661.743	1601.982178
## 1529 0.096735	3891.5615	7672.986	1700.256348
## 1530 0.083482	3535.9827	7070.238	970.073364
## 1531 0.108746	3841.2583	7542.458	1470.674927
## 1532 0.123120	3829.6416	7436.177	1288.392944
## 1533 0.105835	3922.9944	7659.771	1433.839722
## 1534 0.102128	3929.8708	7685.070	1500.072144
## 1535 0.094828	3911.3008	7736.039	1414.058838
## 1536 0.095323	3927.9141	7744.921	1471.635620
## 1537 0.099157	3908.8784	7733.655	1309.791992
## 1538 0.094598	3913.3025	7752.199	1378.788208
## 1539 0.096079	3931.9280	7762.515	1402.261963
## 1540 0.085102	3597.6121	7059.883	1422.468018
## 1541 0.106978	3900.8708	7587.673	1653.078735
## 1542 0.102797	3956.9636	7740.242	1483.574463
## 1543 0.069952	3317.1519	6629.808	368.116669
## 1544 0.116125	3317.5107	6548.000	161.562363
## 1545 0.091125	3329.9434	6509.001	1130.394531
## 1546 0.108000	3345.5891	6478.000	1120.857544
## 1547 0.119231	3565.5803	6938.462	1209.151611
## 1548 0.133605	3584.8804	7540.521	827.815002
## 1549 0.148625	3368.1169	6478.000	626.892151
## 1550 0.114104	3909.1208	7664.482	1050.133789
## 1551 0.118625	3233.4797	6442.000	566.327454
## 1552 0.137071	3749.7458	7330.392	892.733337
## 1553 0.130423	3498.9138	6741.912	913.046570
## 1554 0.097125	3261.5159	6516.000	1117.248657
## 1555 0.097452	3555.7061	7296.538	964.691467
## 1556 0.089890	3367.0901	6860.294	774.857544

## 1557 0.125363	3573.6694	6988.954	933.265320
## 1558 0.213787	3774.0691	7027.204	1214.069214
## 1559 0.214893	3856.5261	7204.053	1103.281006
## 1560 0.248443	3941.8850	7294.944	943.386719
## 1561 0.119350	3925.3010	7600.698	1123.193359
## 1562 0.101750	3278.4243	6470.000	240.689285
## 1563 0.121204	3873.4954	7640.567	1104.254639
## 1564 0.115280	3850.6133	7709.318	980.885498
## 1565 0.118125	3328.8108	6448.000	1189.197876
## 1566 0.107684	3845.6282	7704.491	918.040710
## 1567 0.142463	3858.3713	7502.452	1232.145874
## 1568 0.120785	3874.4998	7646.886	1203.394165
## 1569 0.111591	3601.6597	7147.728	991.568420
## 1570 0.125625	3704.1367	7558.847	976.007324
## 1571 0.125781	3737.6775	7281.250	1638.258667
## 1572 0.128750	3551.2754	6875.000	1128.301147
## 1573 0.107639	3620.7087	7025.555	1485.007568
## 1574 0.123023	3880.7515	7497.891	1481.089478
## 1575 0.111690	3340.0647	6531.482	1032.956299
## 1576 0.128629	3900.2769	7651.860	1322.585083
## 1577 0.114100	3800.5317	7615.221	1384.020752
## 1578 0.130409	3877.6245	7692.490	1214.786865
## 1579 0.125335	3845.4458	7653.082	1094.921509
## 1580 0.093625	3335.1243	6524.001	993.878784
## 1581 0.114290	3836.1460	7479.915	1401.321533
## 1582 0.097250	3346.5701	6488.000	1488.899048
## 1583 0.096875	3802.7131	7465.197	996.839905
## 1584 0.174381	3821.1423	7262.839	1040.168945
## 1585 0.143551	3830.7148	7385.456	1456.732056
## 1586 0.223116	3726.8938	6995.206	899.870422
## 1587 0.150399	3909.9451	7645.083	991.551147
## 1588 0.141060	3904.1306	7638.192	1045.935059
## 1589 0.108652	3879.2988	7678.013	1143.182007
## 1590 0.120375	3349.4802	6450.000	1213.826294
## 1591 0.115274	3899.8276	7647.111	1001.359680
## 1592 0.150931	3903.1631	7680.198	1062.877563
## 1593 0.150126	3881.8442	7575.935	1113.230835
## 1594 0.134345	3883.7446	7714.178	1029.668335
## 1595 0.089503	3423.2822	6988.462	772.798828
## 1596 0.111158	3812.6040	7596.716	1094.910645
## 1597 0.102790	3792.2725	7755.062	371.000702
## 1598 0.099527	3501.0991	6834.090	1360.604004
## 1599 0.109375	3319.3972	6648.148	761.001343
## 1600 0.107849	3605.4946	6991.279	1513.599487
## 1601 0.133996	3894.4380	7696.229	1099.161377
## 1602 0.152375	3906.8296	7563.767	980.750854
## 1603 0.115476	3907.1426	7645.835	1342.822388
## 1604 0.133224	3915.2676	7700.568	1232.262573
## 1605 0.123681	3824.2087	7551.623	1468.088379
## 1606 0.123820	3808.2495	7554.966	1170.518677
## 1607 0.133792	3856.6665	7436.018	1141.299438
## 1608 0.155426	3912.6970	7558.224	1155.467773
## 1609 0.141278	3939.8286	7641.238	1202.220581
## 1610 0.118211	3808.8818	7530.691	1158.864136

## 1611 0.128038	3776.8433	7424.770	1482.845215
## 1612 0.152693	3832.7976	7409.351	860.182678
## 1613 0.141566	3839.7075	7518.522	814.330994
## 1614 0.141085	3936.1755	7614.828	1183.404907
## 1615 0.139128	3928.4126	7625.064	1304.513672
## 1616 0.137993	3821.3135	7328.683	1095.746704
## 1617 0.158562	3956.0730	7627.873	1210.000244
## 1618 0.175751	3900.3813	7495.349	1018.516113
## 1619 0.148570	3728.7568	7104.661	1157.984619
## 1620 0.150452	3752.4707	7282.830	1103.039917
## 1621 0.118196	3710.4990	7346.201	1257.458862
## 1622 0.151259	3919.5271	7595.286	819.305359
## 1623 0.133809	3831.0625	7453.662	587.567139
## 1624 0.133896	3921.1699	7562.400	973.952332
## 1625 0.123199	3908.4802	7671.998	1023.416565
## 1626 0.157744	3904.6768	7505.920	1170.038574
## 1627 0.129503	3919.5637	7695.214	1191.175781
## 1628 0.115240	3897.1128	7671.852	1261.353760
## 1629 0.125018	3932.6455	7687.808	1308.384155
## 1630 0.132549	3846.5227	7544.104	1133.864380
## 1631 0.124925	3917.8000	7656.223	1273.132080
## 1632 0.124775	3871.9617	7517.811	990.615417
## 1633 0.113621	3827.7480	7383.967	1617.465088
## 1634 0.123635	3883.1489	7590.542	1125.719971
## 1635 0.118913	3820.2842	7508.209	1129.471069
## 1636 0.135733	3925.8743	7673.821	1182.289429
## 1637 0.127478	3731.9324	7352.010	960.331421
## 1638 0.139019	3801.6587	7505.282	763.081726
## 1639 0.144643	3903.5837	7500.686	717.244507
## 1640 0.128724	3821.4934	7462.501	1217.080933
## 1641 0.160469	3902.3799	7545.218	936.137451
## 1642 0.131936	3926.6885	7700.414	1156.771484
## 1643 0.129613	3791.5405	7555.159	822.558533
## 1644 0.129231	3909.6045	7658.911	1123.339111
## 1645 0.120949	3901.4761	7649.179	1307.081421
## 1646 0.133771	3936.9929	7668.087	1212.205078
## 1647 0.119727	3812.5461	7495.312	1177.739990
## 1648 0.130732	3925.5005	7693.215	1198.995728
## 1649 0.111339	3813.9253	7474.114	802.712830
## 1650 0.136776	3931.7874	7696.006	1109.419678
## 1651 0.121409	3701.3093	7252.240	1271.188110
## 1652 0.126787	3887.8191	7613.850	941.569763
## 1653 0.128354	3865.7712	7659.862	915.954163
## 1654 0.067625	3345.0984	6588.000	383.116821
## 1655 0.105930	3839.3140	7513.462	1627.333008
## 1656 0.114500	3308.1069	6506.000	557.033447
## 1657 0.115778	3806.3384	7433.333	1274.855835
## 1658 0.106098	3580.5093	7013.415	990.967773
## 1659 0.109726	3788.2651	7406.180	1364.877441
## 1660 0.199799	3855.9082	7372.499	1092.860718
## 1661 0.158003	3933.6824	7573.664	952.591980
## 1662 0.118325	3770.7161	7425.483	1200.923706
## 1663 0.123321	3913.1421	7709.018	1190.371582
## 1664 0.125230	3684.2288	7266.176	977.719482

## 1665 0.120008	3900.1711	7670.495	1186.458496
## 1666 0.133821	3942.3921	7644.383	1208.460449
## 1667 0.123113	3889.3525	7695.771	1076.925781
## 1668 0.111625	3314.9355	6435.000	854.836548
## 1669 0.128685	3829.2576	7545.524	1023.996460
## 1670 0.113212	3767.6421	7482.903	1062.334839
## 1671 0.127469	3807.9844	7463.639	1158.117920
## 1672 0.127443	3785.0730	7397.726	1307.765259
## 1673 0.113699	3717.2693	7315.755	1117.533447
## 1674 0.107468	3837.0017	7596.433	1206.261108
## 1675 0.110531	3710.1531	7315.069	1190.192871
## 1676 0.103921	3880.4490	7615.222	1202.179077
## 1677 0.086047	3576.5369	7041.278	1326.748291
## 1678 0.107861	3775.7844	7395.104	1043.122314
## 1679 0.114310	3911.2288	7642.922	1182.557739
## 1680 0.103436	3920.4038	7690.818	1108.126953
## 1681 0.117871	3910.5957	7638.079	1537.225220
## 1682 0.122705	3873.1855	7642.183	941.326660
## 1683 0.130384	3728.0186	7305.724	866.993469
## 1684 0.121630	3863.7778	7639.708	993.692871
## 1685 0.129346	3803.6021	7468.543	1236.882690
## 1686 0.124876	3871.6509	7618.232	1357.075317
## 1687 0.128603	3912.5461	7630.531	1335.370850
## 1688 0.119072	3905.8010	7572.738	1321.218018
## 1689 0.103357	3843.1277	7491.735	1137.641968
## 1690 0.104121	3810.4360	7390.110	1487.998413
## 1691 0.113348	3773.1680	7466.281	1073.135498
## 1692 0.127191	3877.7998	7560.581	1059.906372
## 1693 0.134809	3866.7109	7505.556	964.539001
## 1694 0.109433	3749.2737	7433.881	1341.413818
## 1695 0.096390	3817.1873	7682.815	1193.911133
## 1696 0.110892	3836.2664	7731.098	886.701782
## 1697 0.053875	2490.4238	6575.000	876.114014
## 1698 0.268463	3848.4148	7164.795	524.564514
## 1699 0.234868	3539.1423	6828.947	214.674347
## 1700 0.104125	3196.9126	6560.000	421.019409
## 1701 0.128558	3685.5020	7237.692	1441.324829
## 1702 0.112411	3469.3313	6861.428	809.879333
## 1703 0.117514	3596.4666	6960.466	1105.110229
## 1704 0.129044	3715.3599	7266.175	1184.368774
## 1705 0.132784	3780.1350	7434.091	1268.799194
## 1706 0.105772	3795.4023	7588.267	1445.810425
## 1707 0.109417	3759.0444	7514.965	1069.076050
## 1708 0.116638	3854.3960	7619.559	1242.945312
## 1709 0.104257	3745.4053	7517.391	985.462463
## 1710 0.119788	3830.4211	7568.416	1036.220947
## 1711 0.105976	3611.5212	7158.772	935.236145
## 1712 0.114164	3754.3892	7350.542	1336.440063
## 1713 0.108151	3721.3000	7405.927	1096.191895
## 1714 0.106622	3741.3257	7473.807	871.421265
## 1715 0.101376	3730.6377	7550.470	996.774780
## 1716 0.105579	3786.6421	7566.361	1262.176270
## 1717 0.114780	3492.5913	6857.434	968.043823
## 1718 0.113845	3888.2095	7694.547	1142.496094

## 1719 0.120670	3778.5952	7452.857	1150.178223
## 1720 0.113539	3894.9902	7637.177	1356.970459
## 1721 0.106069	3916.3064	7698.411	1181.404907
## 1722 0.106259	3890.1697	7644.404	1504.443726
## 1723 0.108805	3830.0215	7506.934	1445.466064
## 1724 0.095875	3913.0181	7709.953	1911.240479
## 1725 0.086227	3350.6780	6642.591	702.970093
## 1726 0.068655	3101.8667	6882.575	361.763794
## 1727 0.064062	3155.4797	6677.884	1296.776001
## 1728 0.104625	3341.2410	6541.000	769.020020
## 1729 0.079875	3316.8359	6577.001	692.391296
## 1730 0.103351	3833.4778	7731.366	1082.133179
## 1731 0.089896	3398.9500	6780.000	197.509415
## 1732 0.110570	3450.8840	6791.175	708.687378
## 1733 0.123750	3645.1287	6991.110	1091.363159
## 1734 0.097236	3364.8896	6595.192	1405.315430
## 1735 0.117077	3766.8220	7291.551	1224.001221
## 1736 0.117021	3658.0850	7030.852	1218.913330
## 1737 0.115960	3434.0754	6583.035	1121.992676
## 1738 0.137000	3360.8430	6414.999	1004.901978
## 1739 0.122987	3712.4065	7192.796	1280.716064
## 1740 0.069935	3407.1345	6780.172	808.555725
## 1741 0.070750	3312.1387	6598.999	755.853149
## 1742 0.092886	3626.6985	7142.021	1125.284424
## 1743 0.090794	3746.1912	7369.256	1570.429565
## 1744 0.081808	3667.3701	7255.803	1017.334961
## 1745 0.074190	3374.2466	6682.407	1430.749756
## 1746 0.066875	3305.7593	6594.001	832.414612
## 1747 0.085124	3827.3799	7573.347	1070.000977
## 1748 0.077552	3682.5759	7324.166	1280.572021
## 1749 0.092992	3493.4109	6790.151	1552.704956
## 1750 0.089250	3320.8721	6538.000	1182.563477
## 1751 0.086375	3325.0630	6516.999	1416.767456
## 1752 0.074375	3298.7327	6566.000	879.622559
## 1753 0.098454	3765.4683	7451.882	1243.937012
## 1754 0.083062	3697.1309	7353.985	1261.046875
## 1755 0.072182	3692.3523	7344.262	1195.828979
## 1756 0.089970	3600.4438	7286.292	1341.159790
## 1757 0.084821	3487.6826	6915.714	1058.997192
## 1758 0.067448	3524.9944	7215.625	756.110291
## 1759 0.129500	3369.9883	6405.000	985.383118
## 1760 0.157974	3457.2898	6493.104	701.082520
## 1761 0.127670	3703.3315	7145.000	1127.883911
## 1762 0.081771	3425.5884	6750.834	519.120789
## 1763 0.099375	3364.5010	6498.000	1198.075073
## 1764 0.105485	3652.8281	7128.571	719.678223
## 1765 0.083705	3399.0803	6688.394	600.196777
## 1766 0.090313	3453.5317	6754.167	928.007080
## 1767 0.102764	3388.4817	6547.113	615.192688
## 1768 0.073996	3407.0149	6708.930	929.043396
## 1769 0.095486	3398.4214	6619.444	563.084106
## 1770 0.087380	3367.3411	6604.807	669.502197
## 1771 0.114271	3455.9768	6695.000	439.506134
## 1772 0.071987	3395.4504	6738.393	523.296448

## 1773 0.075750	3327.7227	6606.000	904.539734
## 1774 0.085826	3407.9658	6700.893	774.252625
## 1775 0.073922	3418.9863	6779.311	755.990967
## 1776 0.084750	3352.1450	6553.001	740.545349
## 1777 0.090878	3550.6362	6972.298	713.612793
## 1778 0.120312	3738.9172	7311.396	670.666565
## 1779 0.092298	3901.1382	7651.878	1230.295532
## 1780 0.118377	3932.1853	7622.018	1239.100830
## 1781 0.100879	3817.3315	7445.054	1283.786499
## 1782 0.093849	3729.5286	7297.620	1145.434082
## 1783 0.096535	3822.8286	7471.783	1171.610962
## 1784 0.102738	3852.6436	7484.734	1404.821533
## 1785 0.112427	3866.0625	7479.844	1370.253174
## 1786 0.089043	3755.6792	7404.320	1355.745728
## 1787 0.076888	3619.9375	7154.165	1702.455933
## 1788 0.096520	3869.1255	7555.112	1291.408447
## 1789 0.088125	3363.8086	6514.000	1255.184448
## 1790 0.088920	3719.5525	7259.091	4081.496094
## 1791 0.094231	3380.9509	6624.039	1432.091064
## 1792 0.069875	1086.6349	6373.000	219.204300
## 1793 0.111343	3871.1021	7663.135	1053.647217
## 1794 0.120186	3848.9331	7581.252	1025.719971
## 1795 0.126372	3878.3508	7626.234	1195.317139
## 1796 0.137665	3912.2649	7606.430	1078.129761
## 1797 0.126659	3811.5786	7361.063	1268.989624
## 1798 0.125923	3559.8721	6930.114	928.086548
## 1799 0.104939	3618.8979	7190.726	966.564636
## 1800 0.107321	3450.0708	6815.000	889.297607
## 1801 0.123669	3626.6401	7090.741	646.484375
## 1802 0.120192	3652.3457	7054.809	1081.542236
## 1803 0.109867	3775.2693	7529.395	604.066406
## 1804 0.116250	3315.0571	6439.000	1275.610596
## 1805 0.116727	3879.2539	7662.879	1194.702637
## 1806 0.108090	3732.5237	7355.556	1282.095825
## 1807 0.107713	3738.9568	7471.628	787.883789
## 1808 0.114560	3792.3149	7529.120	986.472229
## 1809 0.109769	3748.2922	7570.044	841.614563
## 1810 0.102586	3846.3909	7634.506	1256.067871
## 1811 0.100622	3838.6807	7570.718	1487.108032
## 1812 0.108779	3918.9626	7706.486	1516.169189
## 1813 0.119394	3816.1074	7541.331	1299.841064
## 1814 0.106778	3634.5261	7250.704	1349.289917
## 1815 0.124252	3783.8635	7434.684	1319.658203
## 1816 0.105459	3697.8386	7355.122	1238.273804
## 1817 0.115967	3791.5237	7484.761	1409.540527
## 1818 0.104727	3896.8582	7699.034	1374.767822
## 1819 0.122958	3916.5647	7676.059	1477.567749
## 1820 0.117080	3666.1934	7159.913	1465.827271
## 1821 0.123917	3873.1709	7598.735	1381.352051
## 1822 0.120777	3775.8308	7414.192	1282.994507
## 1823 0.114370	3786.8289	7445.079	1212.931030
## 1824 0.109625	3292.8916	6453.000	1783.210693
## 1825 0.103801	3489.0369	6885.811	1004.201965
## 1826 0.096995	3340.3125	6577.884	814.003418

## 1827 0.105263	3672.4871	7233.771	1186.208130
## 1828 0.096191	3468.8350	6843.750	879.590088
## 1829 0.069875	3343.1345	6599.000	1145.530029
## 1830 0.077875	3343.7107	6590.000	885.377502
## 1831 0.036932	3421.8369	7221.022	342.146973
## 1832 0.116653	3367.5813	7254.430	1550.290771
## 1833 0.140125	3357.6570	6402.000	485.274261
## 1834 0.130488	3612.9160	6885.366	696.312073
## 1835 0.152060	3627.9270	6960.226	863.091431
## 1836 0.141797	3592.1917	6903.125	950.811584
## 1837 0.167285	3508.8540	6591.407	512.657410
## 1838 0.119531	3555.1917	6820.138	1659.447876
## 1839 0.082459	3799.3171	7537.734	1867.571289
## 1840 0.090804	3811.6282	7569.878	1640.175049
## 1841 0.077108	3757.5481	7460.542	1533.621338
## 1842 0.074625	3330.1826	6571.000	1221.854980
## 1843 0.073750	3596.1787	7136.667	1184.342651
## 1844 0.065465	3523.9846	7040.384	1282.608398
## 1845 0.078480	3587.8613	7099.999	1004.522095
## 1846 0.112926	3757.7822	7391.479	1221.518921
## 1847 0.080757	3556.6555	7004.606	1516.101929
## 1848 0.086397	3523.0159	6872.059	1023.346313
## 1849 0.098047	3733.1375	7296.483	927.719971
## 1850 0.056250	3344.3840	6634.000	3191.613037
## 1851 0.094866	3416.7317	6623.214	710.979492
## 1852 0.108375	3347.5625	6467.000	490.539551
## 1853 0.118557	3806.2351	7301.854	1407.088013
## 1854 0.079567	3646.6755	7216.827	1491.855225
## 1855 0.077902	3394.5728	6716.964	1547.585205
## 1856 0.070852	3655.4492	7305.454	1187.268311
## 1857 0.062587	3520.5869	6992.360	1174.690796
## 1858 0.092463	3828.5137	7568.382	1205.425659
## 1859 0.104047	3831.5356	7544.242	1319.379639
## 1860 0.090214	3829.8965	7694.830	1201.854248
## 1861 0.084016	3707.4221	7283.196	1364.763306
## 1862 0.090951	3780.0640	7488.279	1149.088501
## 1863 0.105824	3832.4727	7482.042	1132.161621
## 1864 0.104915	3888.4155	7615.290	1070.770752
## 1865 0.110188	3875.5176	7599.889	1589.920776
## 1866 0.119102	3878.9927	7491.542	1708.908813
## 1867 0.108681	3642.2083	7020.555	915.416809
## 1868 0.109754	3741.9543	7237.123	1109.317627
## 1869 0.109743	3724.2385	7273.528	1155.601807
## 1870 0.115321	3768.7480	7282.640	1555.995361
## 1871 0.098267	3813.5015	7487.727	1215.895020
## 1872 0.090987	3782.2278	7480.263	1543.323242
## 1873 0.085997	3781.5928	7425.632	1671.127441
## 1874 0.116860	3584.0945	7033.721	1231.512329
## 1875 0.112146	3820.9976	7478.536	1052.795410
## 1876 0.102985	3889.4521	7630.619	1824.736328
## 1877 0.106125	3349.6038	6521.999	842.912598
## 1878 0.086875	3341.7273	6553.001	1034.745483
## 1879 0.131875	3814.8696	7385.527	1099.173950
## 1880 0.105210	3753.0637	7680.474	1157.348755

## 1881 0.104143	3770.0032	7491.476	1179.664185
## 1882 0.083461	3727.0066	7567.857	1085.853760
## 1883 0.086117	3811.2644	7653.952	1396.858154
## 1884 0.082248	3837.3711	7671.292	1408.185181
## 1885 0.098431	3848.2146	7597.621	1513.849976
## 1886 0.096540	3849.6440	7631.321	1556.461182
## 1887 0.094135	3847.4878	7615.395	1400.902832
## 1888 0.092187	3805.2163	7542.062	1205.286621
## 1889 0.092005	3753.0413	7494.167	1353.615479
## 1890 0.086490	3652.5793	7278.847	1721.141968
## 1891 0.087711	3672.2649	7412.921	1057.246704
## 1892 0.085685	3381.5840	6781.452	975.966064
## 1893 0.084093	3819.7373	7662.327	1482.676270
## 1894 0.089852	3765.1362	7600.130	1569.606079
## 1895 0.094023	3841.0112	7653.688	1327.635986
## 1896 0.078768	3798.2300	7611.471	1228.672729
## 1897 0.093990	3712.5801	7579.688	859.512268
## 1898 0.102984	3751.3523	7442.340	1336.650146
## 1899 0.102315	3890.0173	7701.433	1453.539673
## 1900 0.101020	3799.8770	7533.333	1259.677002
## 1901 0.105273	3897.3826	7666.187	1474.712402
## 1902 0.106900	3807.8525	7483.002	1452.279785
## 1903 0.106892	3889.7754	7662.559	1532.101318
## 1904 0.097268	3840.9600	7592.210	1323.052734
## 1905 0.117696	3716.0630	7310.175	1329.501709
## 1906 0.110820	3810.0481	7510.625	1549.610718
## 1907 0.104239	3792.2795	7484.784	1253.390259
## 1908 0.097509	3720.0188	7312.319	1295.666382
## 1909 0.081354	3403.0122	6760.833	1029.004150
## 1910 0.079353	3401.0010	6758.930	1484.388550
## 1911 0.088327	3515.2188	6925.735	1079.305176
## 1912 0.103348	3584.1626	7067.262	860.677979
## 1913 0.067756	2331.6360	7086.363	315.538879
## 1914 0.081000	3228.3250	6551.000	2206.141113
## 1915 0.099500	3362.2122	6487.999	2007.417847
## 1916 0.108000	3347.0840	6501.000	1657.466919
## 1917 0.142188	3591.3037	6901.874	1057.908691
## 1918 0.138500	3371.2056	6421.000	917.912354
## 1919 0.129040	3615.8228	6942.682	1076.995361
## 1920 0.097750	3368.0332	6497.000	1084.792969
## 1921 0.099399	3343.7275	6603.846	1523.892090
## 1922 0.119754	3430.4951	6573.214	838.179932
## 1923 0.151197	3671.7773	7009.043	898.973755
## 1924 0.124566	3553.7532	6877.083	1002.713379
## 1925 0.096250	3359.6118	6510.000	847.138977
## 1926 0.110500	3365.1599	6489.000	1156.000000
## 1927 0.124051	3695.9829	7207.590	1373.960083
## 1928 0.116667	3645.2244	7116.146	1060.951538
## 1929 0.115441	3516.7534	6819.852	1158.195435
## 1930 0.125363	3615.4331	6994.186	1513.844849
## 1931 0.117500	3346.4243	6480.000	882.314331
## 1932 0.136058	3365.2234	6531.730	777.109375
## 1933 0.104861	3384.4529	6612.038	758.330139
## 1934 0.083929	3524.7742	6915.000	1326.747070

## 1935 0.099884	3426.8306	7380.248	1128.673950
## 1936 0.088875	3355.5657	6497.000	1312.448730
## 1937 0.100460	3757.7761	7286.766	1386.011963
## 1938 0.078250	3347.1765	6544.000	1370.890259
## 1939 0.087875	3354.6726	6536.000	1165.100098
## 1940 0.081375	3351.6997	6543.000	946.578430
## 1941 0.103511	3813.4817	7401.686	1330.190063
## 1942 0.092006	3604.4143	7072.094	1100.787354
## 1943 0.104775	3785.2700	7422.475	948.719910
## 1944 0.116815	3784.8008	7369.346	595.966736
## 1945 0.105054	3788.4270	7372.842	1110.223755
## 1946 0.098992	3463.5271	6731.452	622.261841
## 1947 0.110682	3676.9253	7155.001	830.891907
## 1948 0.120784	3886.9478	7527.662	1050.871826
## 1949 0.114250	3327.7795	6442.000	728.115112
## 1950 0.110358	3907.9023	7619.455	952.382202
## 1951 0.094528	3883.3547	7696.786	901.471252
## 1952 0.104059	3889.2629	7670.520	672.028503
## 1953 0.114467	3914.7112	7696.867	643.711243
## 1954 0.081500	3327.3738	6571.000	675.763977
## 1955 0.093229	3565.9250	7070.239	593.942505
## 1956 0.095625	3328.8840	6527.000	510.946838
## 1957 0.097713	3574.2583	7032.927	585.379150
## 1958 0.106750	3340.8521	6502.001	514.692200
## 1959 0.129758	3611.1917	6986.363	469.223145
## 1960 0.025674	3485.2954	7340.687	489.409912
## 1961 0.073922	3309.6909	7577.800	807.607849
## 1962 0.078328	3861.6123	7675.946	879.226929
## 1963 0.115052	3898.1245	7605.234	1012.982788
## 1964 0.085062	3905.6716	7764.002	1364.795044
## 1965 0.088878	3905.1406	7752.797	1298.102539
## 1966 0.098566	3888.8474	7679.227	919.947815
## 1967 0.083686	3750.2615	7579.921	1204.904785
## 1968 0.081125	3337.5208	6611.000	1061.627808
## 1969 0.104492	3647.4490	7177.083	1488.377930
## 1970 0.088083	3702.3274	7322.457	1140.725952
## 1971 0.084625	3334.2336	6600.000	751.130615
## 1972 0.081787	3796.4578	7547.981	751.963928
## 1973 0.110261	3697.6279	7648.089	1027.837402
## 1974 0.133366	3708.0173	7595.969	1200.353882
## 1975 0.132403	3875.0039	7544.956	1237.176636
## 1976 0.117000	3272.8965	6437.000	864.535522
## 1977 0.146875	3606.7124	7089.625	657.480835
## 1978 0.132158	3931.4221	7565.548	1332.416504
## 1979 0.136267	3901.6257	7581.443	1278.565918
## 1980 0.122119	3831.2830	7626.007	994.468018
## 1981 0.110508	3868.9807	7714.634	1005.201416
## 1982 0.089250	3336.1660	6526.000	1203.191650
## 1983 0.105423	3870.6729	7635.083	1092.509521
## 1984 0.117721	3918.2976	7674.166	1573.531982
## 1985 0.110553	3890.0452	7646.365	1583.838501
## 1986 0.110732	3919.4880	7674.495	1472.750122
## 1987 0.115262	3822.7205	7485.647	1603.835449
## 1988 0.116197	3809.6768	7510.385	1575.411743

## 1989 0.107555	3886.3137	7592.430	1529.351318
## 1990 0.123629	3919.9146	7607.376	1492.195190
## 1991 0.113517	3537.5603	6938.372	759.372681
## 1992 0.130258	3801.3884	7346.395	1873.146973
## 1993 0.118685	3844.7197	7524.350	1215.565430
## 1994 0.118083	3900.5618	7603.875	1487.565186
## 1995 0.115239	3878.6406	7585.081	1601.470337
## 1996 0.100670	3564.0391	6980.358	1903.296387
## 1997 0.103602	3644.6726	7190.254	976.156616
## 1998 0.101461	3899.3906	7608.768	1461.455078
## 1999 0.112750	3340.6367	6387.999	1457.074341
## 2000 0.130163	3890.9319	7594.889	1143.687622
## 2001 0.155029	3931.0068	7539.903	1252.088013
## 2002 0.145151	3761.5332	7251.148	981.697693
## 2003 0.156053	3942.7048	7551.148	1202.459229
## 2004 0.144614	3940.7759	7592.333	1199.680542
## 2005 0.133313	3859.1047	7444.937	1107.713257
## 2006 0.144678	3813.4365	7305.448	1131.014038
## 2007 0.137753	3893.0198	7463.382	1166.791138
## 2008 0.142318	3873.2019	7383.333	1233.166138
## 2009 0.131863	3855.6267	7456.330	1026.862427
## 2010 0.129338	3950.4937	7627.105	1177.390625
## 2011 0.124587	3690.5435	7049.528	1162.497314
## 2012 0.124078	3895.5630	7516.740	922.833862
## 2013 0.124288	3890.6252	7572.998	1201.746460
## 2014 0.123625	3362.8374	6384.000	1655.472656
## 2015 0.124075	3846.9978	7429.400	1396.947632
## 2016 0.111375	3344.1228	6457.000	1326.731689
## 2017 0.125966	3815.5864	7351.546	1834.260986
## 2018 0.111944	3795.0347	7391.945	1232.802856
## 2019 0.112351	3611.9226	6957.144	1201.560059
## 2020 0.108177	3703.6074	7197.499	1147.101685
## 2021 0.081746	3692.7705	7365.476	1063.527588
## 2022 0.095562	3639.5725	7180.999	968.904419
## 2023 0.099630	3302.9924	7370.066	846.805298
## 2024 0.097674	3603.2048	7065.116	1080.324951
## 2025 0.091758	3747.3718	7417.186	1230.608154
## 2026 0.095486	3659.8967	7196.759	892.844055
## 2027 0.074121	3464.6951	6882.812	570.903992
## 2028 0.107325	3791.7527	7571.033	1379.566162
## 2029 0.117513	3764.0767	7395.572	1279.726196
## 2030 0.118023	3529.5125	6984.883	951.156494
## 2031 0.106944	3692.5486	7242.458	1582.569214
## 2032 0.111920	3643.6387	7269.641	1057.385376
## 2033 0.100938	3403.8865	6695.833	1486.951416
## 2034 0.106439	3413.8003	6774.999	750.901367
## 2035 0.108259	3356.5752	6591.071	1374.315186
## 2036 0.103000	3289.2878	6477.000	1056.976440
## 2037 0.096382	3500.6206	6915.132	1735.826660
## 2038 0.078250	3255.9512	6530.000	1124.493164
## 2039 0.089375	3172.4832	6493.999	216.548111
## 2040 0.120455	3561.7344	6982.386	1192.238770
## 2041 0.101471	3429.6917	6835.294	801.867249
## 2042 0.108090	3743.5942	7386.944	1203.570557

## 2043 0.097656	3635.4387	7206.250	1458.274902
## 2044 0.093182	3454.0259	6817.424	1742.433472
## 2045 0.126375	3303.3215	6441.000	1208.575684
## 2046 0.111089	3362.7498	6667.741	675.685608
## 2047 0.121165	3575.5005	6965.341	1515.894409
## 2048 0.094931	3477.8145	7024.999	894.256165
## 2049 0.100962	3334.6096	6539.423	1805.731201
## 2050 0.105529	3285.4421	6479.808	1111.219849
## 2051 0.134243	3681.9690	7242.254	1302.413574
## 2052 0.103875	3256.2544	6480.000	988.696655
## 2053 0.095023	3319.8589	6595.370	1111.578003
## 2054 0.114236	3377.0969	6848.610	1052.583252
## 2055 0.087282	3622.0625	7062.789	1616.476685
## 2056 0.098292	3889.9792	7616.123	1364.288086
## 2057 0.088945	3781.0908	7411.563	1098.943604
## 2058 0.090014	3634.8398	7120.109	1099.089600
## 2059 0.077125	3341.1331	6544.000	997.651611
## 2060 0.081747	3610.5979	7093.749	1542.388428
## 2061 0.109375	3593.5276	6973.750	883.116882
## 2062 0.099361	3625.3979	7052.273	1653.481079
## 2063 0.106641	3806.9512	7412.782	1029.956665
## 2064 0.094906	3764.0896	7357.534	1397.866211
## 2065 0.071496	3507.6462	6872.728	1443.126953
## 2066 0.110669	3764.7341	7428.031	1270.852173
## 2067 0.098793	3616.7002	7073.295	1331.809204
## 2068 0.098172	3685.7949	7198.114	969.611023
## 2069 0.085273	3789.2214	7458.622	1580.565308
## 2070 0.046951	3553.5481	7160.365	2695.842285
## 2071 0.058832	3782.5930	7525.545	1792.812622
## 2072 0.074554	3337.2568	6712.500	898.497803
## 2073 0.057847	3561.7673	7185.555	1598.142578
## 2074 0.083811	3671.1274	7304.099	1201.138550
## 2075 0.063971	3623.2144	7253.432	1416.258301
## 2076 0.073819	3595.3135	7126.667	1375.117065
## 2077 0.062545	3703.2988	7422.102	1271.610474
## 2078 0.033163	3595.5142	7276.531	1431.178101
## 2079 0.045625	3320.1433	6630.999	1419.451782
## 2080 0.065625	3481.5398	6884.376	1049.429199
## 2081 0.073599	3685.4424	7294.828	1524.194946
## 2082 0.076339	3612.6604	7185.203	1131.956787
## 2083 0.081641	3655.9924	7261.161	1113.425293
## 2084 0.085899	3544.3945	7057.928	1039.580078
## 2085 0.096237	3775.4595	7493.367	1140.168335
## 2086 0.079750	3329.7847	6556.000	1373.802246
## 2087 0.091848	3813.6399	7535.001	1296.129028
## 2088 0.063015	3867.7949	7719.150	1545.668213
## 2089 0.092715	3405.1472	7551.158	954.974121
## 2090 0.125275	3892.4084	7578.306	984.693726
## 2091 0.125858	3898.9563	7631.977	1389.854370
## 2092 0.118322	3746.9290	7280.136	1443.084106
## 2093 0.131750	3308.9119	6405.000	1505.121826
## 2094 0.133240	3807.4231	7620.531	1307.899902
## 2095 0.125525	3899.2019	7551.500	1346.672485
## 2096 0.101846	3891.5073	7675.753	1098.434448

## 2097 0.107293	3941.6379	7688.538	1290.087891
## 2098 0.105469	3900.4993	7629.135	1273.192383
## 2099 0.107533	3918.2268	7689.123	990.870972
## 2100 0.099370	3806.4392	7497.479	882.393005
## 2101 0.108826	3854.8489	7514.863	946.862793
## 2102 0.104223	3547.0759	6868.919	1307.617432
## 2103 0.113434	3925.2778	7658.280	923.290894
## 2104 0.112977	3906.9314	7610.764	967.528015
## 2105 0.117535	3684.0327	7113.889	945.016968
## 2106 0.112194	3884.5312	7574.507	886.857483
## 2107 0.107784	3913.7275	7687.182	1057.143677
## 2108 0.112636	3895.9163	7706.563	1291.442627
## 2109 0.127125	3313.7976	6432.000	899.618652
## 2110 0.134967	3890.7866	7563.045	1200.329712
## 2111 0.140321	3924.8865	7600.999	1235.067871
## 2112 0.163529	3927.8174	7499.266	1015.851685
## 2113 0.156210	3938.3003	7572.645	1141.744141
## 2114 0.149138	3902.8157	7553.037	1077.477417
## 2115 0.130743	3934.0979	7620.208	1169.456421
## 2116 0.094291	3671.9851	7123.558	1357.330566
## 2117 0.108681	3547.4055	6820.833	1295.274170
## 2118 0.128606	3337.0371	6484.614	531.736511
## 2119 0.147312	3795.8987	7283.870	1188.498535
## 2120 0.160386	3515.7815	6655.882	715.167419
## 2121 0.122297	3553.5637	6826.351	1033.310791
## 2122 0.151058	3715.2559	7132.692	1390.575806
## 2123 0.149808	3922.0925	7550.704	1108.175903
## 2124 0.138894	3708.1797	7155.385	700.503906
## 2125 0.137500	3771.4536	7315.294	951.928223
## 2126 0.132449	3878.3037	7519.290	1045.402100
## 2127 0.103460	3771.4407	7361.311	1034.871948
## 2128 0.124306	3779.5281	7402.778	850.291748
## 2129 0.132217	3611.2510	6872.024	1573.928833
## 2130 0.106048	3700.9951	7227.821	1340.112061
## 2131 0.110246	3720.6821	7221.311	1781.391602
## 2132 0.105112	3726.1128	7644.468	937.199097
## 2133 0.091502	3862.2273	7688.270	1035.214478
## 2134 0.102669	3824.8022	7429.950	1932.529419
## 2135 0.090030	3729.8525	7292.857	1254.906616
## 2136 0.126813	3836.5493	7402.249	938.470093
## 2137 0.116749	3856.5173	7458.333	1376.885986
## 2138 0.097359	3857.2039	7547.092	1247.119385
## 2139 0.092438	3777.7339	7414.197	1145.473877
## 2140 0.099219	3662.5374	7101.563	1135.465454
## 2141 0.105718	3882.2109	7520.000	1363.310425
## 2142 0.099677	3409.8679	6681.034	698.115479
## 2143 0.097484	3870.2971	7563.833	1471.763550
## 2144 0.074769	3377.0981	6633.333	1526.683838
## 2145 0.068750	3380.1956	6664.814	848.498596
## 2146 0.083661	3523.7573	6910.714	819.679749
## 2147 0.081750	3350.3052	6510.000	2192.258057
## 2148 0.115278	3398.1379	6604.629	966.413940
## 2149 0.079447	3390.4016	6599.039	1565.370850
## 2150 0.087500	3454.2500	6706.897	1518.906494

## 2151 0.073875	3364.0161	6586.000	3791.720703
## 2152 0.092750	3374.3875	6567.000	2379.958008
## 2153 0.094207	3589.3018	7049.999	1304.178467
## 2154 0.082401	3562.2920	6967.104	1395.703247
## 2155 0.089000	3367.6892	6501.000	1656.542236
## 2156 0.104125	3373.3691	6510.000	1032.854370
## 2157 0.099424	3578.3411	6960.526	890.527283
## 2158 0.097894	3806.0386	7576.483	1086.046509
## 2159 0.112813	3807.1726	7428.612	746.780151
## 2160 0.106678	3820.2710	7483.684	921.503052
## 2161 0.101185	3435.0791	6730.172	591.380432
## 2162 0.082798	3840.4136	7542.619	1730.898071
## 2163 0.097451	3847.4875	7532.675	1042.252197
## 2164 0.080191	3549.2710	7289.408	1785.180664
## 2165 0.071842	3792.2764	7539.322	1388.140869
## 2166 0.074125	3336.8562	6600.000	1219.270752
## 2167 0.094922	3783.7393	7436.932	1021.640869
## 2168 0.089125	3335.1624	6568.000	670.575928
## 2169 0.108417	3771.7385	7328.333	1038.530151
## 2170 0.090842	3744.2327	7387.500	1294.235718
## 2171 0.092888	3424.4924	6700.862	1188.387695
## 2172 0.082779	3621.0615	7121.275	1080.860718
## 2173 0.083610	3647.4070	7179.591	1580.223999
## 2174 0.111899	3766.5308	7391.988	1200.950562
## 2175 0.106362	3863.9683	7576.048	902.082947
## 2176 0.086530	3674.2129	7272.845	1723.916138
## 2177 0.098372	3800.2617	7479.688	1091.177124
## 2178 0.102269	3750.6506	7348.288	1204.019775
## 2179 0.065875	3202.5000	6632.001	410.915558
## 2180 0.103636	3821.4001	7452.402	1519.955688
## 2181 0.097388	3886.0967	7647.949	1329.428955
## 2182 0.097098	3707.9075	7701.377	952.744141
## 2183 0.130193	3913.9895	7599.687	1344.823242
## 2184 0.128774	3642.5000	7083.962	1404.894409
## 2185 0.135060	3842.2805	7463.013	1071.175781
## 2186 0.107031	3659.6086	7618.066	1065.215088
## 2187 0.086832	3818.0247	7658.303	1405.628418
## 2188 0.089854	3820.6187	7627.488	1291.192139
## 2189 0.094624	3858.4031	7632.758	1650.191650
## 2190 0.089978	3826.4810	7610.591	1575.226562
## 2191 0.096216	3810.5198	7539.458	1239.705078
## 2192 0.098657	3784.9136	7503.719	1352.839722
## 2193 0.079087	3702.4519	7311.151	1505.739624
## 2194 0.093961	3728.1689	7399.719	1211.754517
## 2195 0.073286	3350.5603	6766.129	777.023499
## 2196 0.092716	3818.8506	7650.000	1311.231445
## 2197 0.080577	3778.6262	7628.077	1520.865845
## 2198 0.086981	3791.4402	7661.912	1457.210693
## 2199 0.095843	3696.7837	7426.415	1149.775757
## 2200 0.084700	3789.6536	7583.764	1200.604370
## 2201 0.084705	3780.5698	7669.021	1099.483765
## 2202 0.144106	3895.3643	7508.755	1284.253784
## 2203 0.119019	3836.0957	7470.898	1590.185181
## 2204 0.119015	3803.2251	7423.347	1251.688965

## 2205 0.139766	3820.5195	7406.250	1177.814209
## 2206 0.117048	3825.7866	7429.242	1479.197876
## 2207 0.129784	3815.4180	7400.442	1550.300537
## 2208 0.110008	3738.6877	7311.148	1304.932495
## 2209 0.135664	3884.6111	7499.356	1347.888794
## 2210 0.114696	3504.5894	6870.270	1571.118286
## 2211 0.082500	3318.1880	6521.001	842.188904
## 2212 0.129937	3703.8909	7262.682	1020.426636
## 2213 0.123062	3818.3906	7490.500	1128.588013
## 2214 0.106269	3869.7959	7547.853	1511.458862
## 2215 0.088250	3321.7668	6533.000	528.926636
## 2216 0.095114	3675.9670	7187.729	1036.421265
## 2217 0.102344	3584.0654	7057.955	987.713257
## 2218 0.085937	3328.2363	6534.616	1134.112671
## 2219 0.100836	3751.2451	7306.338	1445.013184
## 2220 0.101107	3651.9512	7078.124	1633.724854
## 2221 0.096181	3364.4268	6573.148	1098.250000
## 2222 0.104875	3310.9868	6522.000	597.975891
## 2223 0.058104	3636.6858	7371.187	993.725891
## 2224 0.100511	3791.7964	7666.636	1112.435303
## 2225 0.126358	3921.2175	7581.226	1261.472290
## 2226 0.085729	3859.4934	7718.827	865.012878
## 2227 0.112916	3912.8452	7683.239	653.180725
## 2228 0.093692	3649.0764	7264.815	594.827698
## 2229 0.100654	3584.7395	7081.977	646.142639
## 2230 0.090208	3425.8328	6783.334	651.600403
## 2231 0.079750	3304.0850	6591.000	519.796143
## 2232 0.094555	3710.3301	7345.833	703.462891
## 2233 0.087375	3325.5625	6560.999	510.969666
## 2234 0.112796	3755.3464	7362.838	590.328552
## 2235 0.101900	3747.6699	7378.380	630.034363
## 2236 0.131641	3752.9729	7265.973	461.339691
## 2237 0.034835	3461.9529	7483.457	445.532776
## 2238 0.110474	3496.2615	7491.794	807.548645
## 2239 0.120389	3796.7722	7321.646	1173.484497
## 2240 0.114987	3662.2551	7077.041	1013.155701
## 2241 0.095817	3725.8799	7305.384	811.089966
## 2242 0.107002	3776.1816	7357.912	1264.139282
## 2243 0.079375	3334.7622	6542.000	1576.225830
## 2244 0.098367	3865.5369	7587.097	1343.442871
## 2245 0.086875	3318.8535	6546.001	743.062622
## 2246 0.093211	3426.9358	6686.208	1093.039429
## 2247 0.081110	3705.6755	7358.210	870.121033
## 2248 0.077500	3315.4834	6552.000	975.128357
## 2249 0.098000	3657.9880	7158.500	1531.828369
## 2250 0.098220	3743.2544	7340.277	989.896118
## 2251 0.093168	3804.6904	7503.923	1046.712646
## 2252 0.084000	3331.9404	6549.000	1498.677856
## 2253 0.092578	3484.3674	6803.908	1159.028198
## 2254 0.083375	3348.5393	6540.001	1320.081177
## 2255 0.096494	3582.7966	7014.023	1203.636230
## 2256 0.080625	3339.9509	6556.000	860.296326
## 2257 0.094602	3608.9221	7048.864	1112.892456
## 2258 0.098958	3655.7358	7153.432	1166.704590

## 2259 0.085560	3682.9224	7255.174	1049.160522
## 2260 0.101562	3780.6643	7424.714	1447.365479
## 2261 0.091667	3674.8940	7224.072	902.485901
## 2262 0.085010	3715.2527	7310.546	1367.533569
## 2263 0.072026	3118.1943	7341.130	564.949097
## 2264 0.075794	3694.7756	7329.237	1239.005737
## 2265 0.078409	3491.3110	6915.151	755.080566
## 2266 0.076865	3703.7898	7355.646	677.412598
## 2267 0.060521	3764.8347	7526.114	940.011902
## 2268 0.145920	3780.8157	7194.792	885.929321
## 2269 0.119133	3826.5669	7422.959	1054.121948
## 2270 0.090094	3683.6746	7223.586	1170.298218
## 2271 0.088879	3511.8164	6902.206	834.820740
## 2272 0.084875	3336.1677	6561.000	659.463562
## 2273 0.087375	3352.8345	6548.000	1143.586426
## 2274 0.090679	3702.1631	7273.707	1045.844238
## 2275 0.095477	3563.9106	6991.447	999.034912
## 2276 0.081465	3433.0618	6764.655	1189.877197
## 2277 0.070508	3483.6213	6890.625	1145.221924
## 2278 0.081055	3493.6562	6870.312	1105.791138
## 2279 0.081479	3584.8994	7088.415	947.723022
## 2280 0.069758	3428.7207	6847.580	917.503235
## 2281 0.070000	3444.0164	6829.166	968.046875
## 2282 0.073875	3352.6086	6587.000	1078.180542
## 2283 0.082179	3559.1782	6987.162	1222.682983
## 2284 0.078375	3337.5793	6593.000	944.001648
## 2285 0.080540	3613.5342	7151.704	1008.439453
## 2286 0.052714	3557.1008	7038.815	2609.707275
## 2287 0.100933	3869.8594	7477.987	1705.030273
## 2288 0.078893	3705.2793	7334.017	1459.397705
## 2289 0.092917	3683.0913	7293.334	925.231812
## 2290 0.078000	3312.7424	6568.000	1022.744873
## 2291 0.059495	3320.4272	6673.078	845.193115
## 2292 0.079337	3626.4324	7156.123	975.146790
## 2293 0.072942	3561.8750	7034.755	1327.991699
## 2294 0.106388	3837.8535	7521.902	917.488281
## 2295 0.094900	3823.9578	7564.201	1162.480469
## 2296 0.116572	3859.4790	7524.544	1136.570923
## 2297 0.099983	3624.7639	7621.703	973.899963
## 2298 0.113098	3892.3452	7637.798	845.206665
## 2299 0.127289	3910.5586	7554.089	1119.507202
## 2300 0.122446	3797.1177	7341.127	932.054077
## 2301 0.123197	3922.5327	7608.653	1264.065918
## 2302 0.112946	3898.2742	7568.666	1290.043213
## 2303 0.113302	3865.2339	7511.349	1140.495361
## 2304 0.116010	3759.2175	7288.015	1436.258057
## 2305 0.118597	3934.1323	7649.877	1373.714722
## 2306 0.099760	3369.1165	6556.731	1212.791382
## 2307 0.111406	3817.9851	7416.000	1618.451294
## 2308 0.114915	3735.4954	7265.910	758.209717
## 2309 0.119792	3827.2173	7473.106	996.975464
## 2310 0.121814	3797.7229	7385.437	1253.282471
## 2311 0.115422	3834.0110	7539.326	1126.326416
## 2312 0.273279	3759.2727	6955.435	358.422821

## 2313 0.164513	3702.7102	7091.101	1068.358643
## 2314 0.179125	3341.4727	6305.000	921.262085
## 2315 0.229643	3740.0608	7027.142	918.400085
## 2316 0.168109	3563.1750	6808.975	1374.610474
## 2317 0.185000	3202.7290	6344.000	870.653564
## 2318 0.123420	3796.3496	7397.125	1151.646118
## 2319 0.103125	3760.9944	7321.479	682.866455
## 2320 0.136090	3703.2444	7300.304	1274.142944
## 2321 0.147622	3562.6499	6969.022	1262.676880
## 2322 0.121780	3469.2769	6756.818	1403.064453
## 2323 0.142434	3474.0874	6863.815	1293.093018
## 2324 0.099311	3710.3767	7252.966	1298.966064
## 2325 0.145881	3757.6343	7195.073	1062.462158
## 2326 0.178092	3816.9331	7198.671	1289.796875
## 2327 0.145833	3773.4885	7231.000	726.060181
## 2328 0.132401	3528.1160	6880.262	927.725281
## 2329 0.136207	3428.5342	6583.621	1197.355103
## 2330 0.144291	3791.7822	7370.432	1182.952759
## 2331 0.150481	3889.0710	7468.491	1170.960938
## 2332 0.153433	3864.9133	7432.197	855.610046
## 2333 0.140727	3627.8059	7169.262	1439.665405
## 2334 0.127016	3724.5432	7179.032	1586.813477
## 2335 0.120982	3668.2866	7141.964	1335.061523
## 2336 0.113051	3504.7693	6779.411	1513.792725
## 2337 0.138194	3513.7764	6801.390	1143.200562
## 2338 0.112083	3324.8652	6425.835	946.553467
## 2339 0.135147	3806.0288	7361.520	834.828857
## 2340 0.155625	3551.3281	6783.571	566.710083
## 2341 0.130804	2970.9302	6973.812	449.173004
## 2342 0.089732	3402.7178	6640.180	1951.160645
## 2343 0.102869	3884.3511	7584.751	1861.098877
## 2344 0.086538	3320.9353	6612.501	1407.812988
## 2345 0.075112	3377.6750	6709.822	1641.489990
## 2346 0.090804	3503.8167	6906.429	861.690247
## 2347 0.082750	3345.2686	6564.001	990.381226
## 2348 0.104051	3391.5400	6618.521	708.471252
## 2349 0.113582	3364.0112	6545.192	693.806396
## 2350 0.110991	3440.1316	6693.104	654.896301
## 2351 0.089625	3348.8037	6568.002	944.111267
## 2352 0.093625	3350.1680	6559.000	888.951111
## 2353 0.108841	3596.8875	7044.514	900.896362
## 2354 0.086184	3568.9377	6988.159	1254.393311
## 2355 0.081375	3346.3145	6581.000	1076.897583
## 2356 0.068375	3359.9575	6605.001	2254.284180
## 2357 0.081562	3597.9998	7053.750	2256.575439
## 2358 0.096875	3866.9094	7572.019	1067.942871
## 2359 0.058789	3213.7876	6876.562	1495.197632
## 2360 0.065750	3312.0364	6611.000	583.663330
## 2361 0.075962	3546.7737	7053.848	600.628296
## 2362 0.072750	3324.1777	6605.001	559.502502
## 2363 0.072375	3332.2808	6594.000	469.471069
## 2364 0.067224	3583.4431	7151.161	569.754700
## 2365 0.043076	3604.0007	7297.546	1187.504028
## 2366 0.098585	3909.4458	7620.166	1369.048340

## 2367 0.123570	3933.2024	7609.520	1175.730103
## 2368 0.088305	3815.2454	7485.052	1254.301392
## 2369 0.096131	3745.0957	7284.524	1195.903931
## 2370 0.101750	3829.7275	7450.001	1178.673950
## 2371 0.108545	3851.8821	7471.460	1186.240356
## 2372 0.101899	3855.6086	7515.000	1419.007812
## 2373 0.081992	3756.1936	7411.251	1488.120239
## 2374 0.095281	3663.2458	7137.756	1486.444702
## 2375 0.100596	3881.1963	7553.438	2444.713867
## 2376 0.103486	3392.7537	6593.271	1646.774048
## 2377 0.096212	1652.2562	6753.789	167.513367
## 2378 0.031048	3385.5720	7414.920	2097.510010
## 2379 0.084147	3857.2920	7643.821	930.688599
## 2380 0.106148	3862.6553	7525.407	1538.497314
## 2381 0.105199	3579.2432	7484.293	968.724670
## 2382 0.127454	3912.3186	7609.201	1222.557129
## 2383 0.110364	3756.0811	7349.369	1094.504639
## 2384 0.117932	3911.4487	7693.191	1200.126099
## 2385 0.113760	3898.7317	7635.707	1392.517822
## 2386 0.119833	3794.5320	7409.161	1370.435669
## 2387 0.137865	3738.1890	7265.584	1379.517578
## 2388 0.122141	3843.1824	7481.863	1247.160889
## 2389 0.101774	3503.0054	6872.974	1352.613770
## 2390 0.085875	3347.8398	6512.000	1747.713257
## 2391 0.134000	3300.7656	6356.000	750.591797
## 2392 0.113269	3753.5881	7483.533	1324.629028
## 2393 0.104079	3785.9170	7685.480	1327.903809
## 2394 0.120686	3755.5559	7625.195	1187.359253
## 2395 0.108536	3912.4966	7675.271	1151.122437
## 2396 0.123259	3947.8667	7644.993	1553.861328
## 2397 0.097301	3596.4607	7110.228	107.796288
## 2398 0.109928	3847.1575	7462.386	2059.962646
## 2399 0.121287	3908.5410	7567.203	1423.135498
## 2400 0.121393	3877.4219	7651.120	1487.366333
## 2401 0.111660	3833.8247	7496.642	1166.028320
## 2402 0.110074	3890.8599	7639.577	1573.731445
## 2403 0.178205	3325.5750	6812.180	8.331684
## 2404 0.173535	3507.3904	6606.251	475.363159
## 2405 0.109500	2716.0281	6416.000	714.958984
## 2406 0.128875	3068.4939	6387.000	645.105103
## 2407 0.136293	3650.6157	6913.638	1627.803589
## 2408 0.142049	3799.6912	7251.269	983.897461
## 2409 0.153000	3349.8215	6397.000	283.115509
## 2410 0.142759	3602.8289	6916.465	855.636536
## 2411 0.157813	3647.1501	6885.796	725.423950
## 2412 0.105625	3582.4087	6971.875	1644.894287
## 2413 0.041016	3405.4785	6933.595	2650.725830
## 2414 0.094184	3533.2432	6909.724	1623.601562
## 2415 0.086321	3792.1133	7540.329	1686.164185
## 2416 0.085707	3820.1821	7566.597	1485.021973
## 2417 0.071047	3745.6365	7474.703	1530.820923
## 2418 0.079823	3611.1606	7111.957	1188.712402
## 2419 0.057986	3357.8938	6990.974	566.254883
## 2420 0.086979	3424.5261	6772.500	1455.101318

## 2421 0.077722	3447.4094	6829.033	820.780823
## 2422 0.073878	3574.6301	7039.102	1392.935913
## 2423 0.066354	3425.0042	6809.168	933.366028
## 2424 0.108088	3504.0498	6897.796	803.732178
## 2425 0.096458	3437.8999	6784.167	781.174622
## 2426 0.089489	3604.5642	7150.000	568.400208
## 2427 0.117625	3326.1973	6512.000	486.829865
## 2428 0.116118	3687.2578	7259.647	693.411926
## 2429 0.087432	3629.9966	7179.349	786.555298
## 2430 0.103250	3360.4331	6555.002	1058.488037
## 2431 0.088184	3493.5847	6871.095	792.588135
## 2432 0.092928	3556.4390	7033.552	803.706604
## 2433 0.129147	3672.9351	7185.099	578.329102
## 2434 0.120278	3609.6421	7121.112	537.385803
## 2435 0.149901	3734.9062	7296.825	559.352295
## 2436 0.115000	3450.3691	6776.668	786.142944
## 2437 0.138625	3341.3076	6419.000	680.114319
## 2438 0.132375	3363.8909	6408.000	1052.336548
## 2439 0.105233	3593.6963	7049.421	1050.858521
## 2440 0.132500	3359.5264	6425.000	402.857697
## 2441 0.137375	3364.0537	6431.000	407.143402
## 2442 0.110696	3819.6279	7453.867	1002.277283
## 2443 0.092737	3907.1082	7648.974	1893.817383
## 2444 0.121640	3877.2791	7474.809	1154.558716
## 2445 0.113542	3603.0728	7006.668	806.990967
## 2446 0.104877	3723.9351	7278.029	1528.480957
## 2447 0.108824	3748.0125	7258.455	1300.376709
## 2448 0.094322	3732.6729	7323.242	1349.251099
## 2449 0.090231	3797.7021	7535.813	1289.973877
## 2450 0.088717	3820.6643	7483.685	1701.841187
## 2451 0.119343	3772.7424	7362.343	1184.097168
## 2452 0.103416	3608.0925	7055.815	781.070312
## 2453 0.094575	3838.7935	7520.284	2002.649048
## 2454 0.112693	3890.5989	7609.550	1308.651245
## 2455 0.136375	3364.5405	6435.001	832.082336
## 2456 0.129514	3386.5081	6550.927	1168.930298
## 2457 0.077500	3301.6821	6501.000	1551.928101
## 2458 0.089547	3521.8667	7268.967	1023.374695
## 2459 0.092919	3580.6558	7607.341	1078.848633
## 2460 0.126463	3912.7837	7621.931	1293.720581
## 2461 0.130063	3916.8538	7645.042	1115.574219
## 2462 0.127885	3897.7700	7593.610	905.061707
## 2463 0.157916	3915.8420	7563.612	946.261597
## 2464 0.142580	3903.5596	7577.760	818.076721
## 2465 0.117187	3671.6414	7156.034	845.932800
## 2466 0.130391	3515.5034	6876.876	807.031250
## 2467 0.131000	3342.5347	6381.001	1453.567871
## 2468 0.118286	3712.0073	7245.271	1085.746460
## 2469 0.135788	3898.4814	7552.024	1317.277100
## 2470 0.128826	3907.3416	7610.218	1088.342773
## 2471 0.148992	3938.1421	7608.576	843.464417
## 2472 0.118001	3819.7681	7472.604	653.725952
## 2473 0.129323	3871.7173	7516.803	1075.578735
## 2474 0.133039	3912.2422	7597.488	1128.383301

## 2475 0.115625	3422.1794	6538.392	1320.455811
## 2476 0.128673	3687.3774	7158.773	715.130005
## 2477 0.133770	3745.0015	7247.177	740.228821
## 2478 0.082813	2485.4468	6873.614	1126.571167
## 2479 0.109743	3471.6516	6774.266	1253.119995
## 2480 0.071436	3646.6104	7373.437	1102.835938
## 2481 0.083500	3304.4580	6502.999	1310.749146
## 2482 0.113616	3417.7278	6592.859	564.717285
## 2483 0.113875	3363.3860	6426.000	949.047974
## 2484 0.108102	3781.7048	7347.842	1689.568359
## 2485 0.083894	3671.5339	7223.558	1800.827515
## 2486 0.068304	3385.9292	6741.967	1213.819580
## 2487 0.066477	3666.6926	7301.817	1340.974365
## 2488 0.068142	3462.7551	6973.612	1058.675781
## 2489 0.102528	3839.8723	7540.812	1132.918579
## 2490 0.108281	3798.9956	7547.322	1159.454468
## 2491 0.078250	3321.4734	6562.000	1172.424072
## 2492 0.067875	3313.8252	6589.000	1366.432861
## 2493 0.044500	3315.3328	6629.001	825.910156
## 2494 0.088413	3606.9646	7439.609	1132.669067
## 2495 0.102907	3612.7600	7068.606	1096.164062
## 2496 0.116398	3797.8889	7379.216	695.581055
## 2497 0.109970	3799.0371	7368.156	1068.391357
## 2498 0.118178	3783.3584	7302.136	964.871582
## 2499 0.101563	3448.1516	6670.000	852.600403
## 2500 0.116056	3907.1174	7591.335	1005.264709
## 2501 0.107750	3352.3845	6478.999	899.192810
## 2502 0.090102	3901.0574	7696.768	1108.111938
## 2503 0.083355	3899.9143	7736.925	882.963440
## 2504 0.095471	3910.2520	7723.688	754.245483
## 2505 0.100043	3917.8735	7724.512	973.559021
## 2506 0.099138	3419.3813	6771.553	562.397827
## 2507 0.080585	3638.2109	7213.829	760.389160
## 2508 0.081094	3573.1626	7074.376	702.244019
## 2509 0.065838	3512.2380	7174.431	73.623825
## 2510 0.110760	3566.2756	7398.863	1199.684570
## 2511 0.095288	3704.0325	7298.016	1185.081421
## 2512 0.089240	3802.6682	7457.102	1349.357544
## 2513 0.122917	3685.7957	7130.094	832.923950
## 2514 0.130127	3750.5879	7190.236	832.727356
## 2515 0.121119	3731.6494	7227.420	1030.076904
## 2516 0.090837	3710.1672	7290.678	1117.550537
## 2517 0.090341	3487.0552	6874.245	798.599854
## 2518 0.099849	3722.9133	7291.126	946.730286
## 2519 0.095764	3802.0583	7467.778	1039.127075
## 2520 0.085871	3759.2214	7419.366	1180.877686
## 2521 0.081723	3803.0291	7535.355	944.259949
## 2522 0.064174	3411.9307	6766.072	1090.252075
## 2523 0.066625	3349.9714	6609.001	1028.386230
## 2524 0.084443	3647.2170	7153.261	1189.717529
## 2525 0.072792	3765.7634	7469.000	1698.350342
## 2526 0.097557	3671.8394	7229.092	1063.346680
## 2527 0.081808	3394.7090	6671.431	1268.214355
## 2528 0.086250	3342.1648	6535.000	1365.141724

## 2529 0.084948	3814.9812	7558.125	1223.109497
## 2530 0.078227	3710.1682	7331.148	1073.028809
## 2531 0.081723	3474.8491	6846.972	1026.243896
## 2532 0.067875	3301.2864	6609.000	779.466064
## 2533 0.069125	3341.7495	6581.000	1253.004395
## 2534 0.066250	3297.9165	6607.001	1275.285889
## 2535 0.098421	3781.0532	7435.488	1397.901611
## 2536 0.085340	3703.3127	7353.677	1006.143921
## 2537 0.101829	3718.5742	7377.744	1230.866577
## 2538 0.073780	3546.3679	7070.731	1177.727417
## 2539 0.068500	3320.2786	6624.000	1552.954102
## 2540 0.115768	3811.6001	7676.009	948.735901
## 2541 0.109934	3904.0830	7601.522	1625.151733
## 2542 0.061000	3276.3240	6577.000	1345.922974
## 2543 0.098911	3700.6548	7295.077	1237.459229
## 2544 0.113163	3923.2529	7641.719	1565.971924
## 2545 0.107393	3906.8042	7671.080	1083.170166
## 2546 0.085824	3843.8445	7649.439	832.156128
## 2547 0.114578	3635.6956	7539.947	1162.876099
## 2548 0.115826	3778.7112	7427.981	1466.597168
## 2549 0.113500	3337.3367	6436.000	883.080078
## 2550 0.109769	3805.9939	7427.427	1405.276245
## 2551 0.119337	3894.4172	7599.244	1410.666382
## 2552 0.131330	3895.8389	7544.872	1414.490967
## 2553 0.105293	3824.1477	7440.314	1325.338379
## 2554 0.087919	3646.3611	7468.814	662.874756
## 2555 0.060865	3853.0620	7779.552	1240.690430
## 2556 0.110592	3928.9126	7675.519	1163.796143
## 2557 0.107801	3838.6208	7676.020	1294.340698
## 2558 0.120269	3802.9644	7391.823	1268.332642
## 2559 0.113387	3729.7737	7325.001	1101.629150
## 2560 0.109411	3824.0588	7568.895	810.854919
## 2561 0.203625	3319.5508	6239.000	574.736694
## 2562 0.142250	3618.7266	7076.999	997.160034
## 2563 0.089375	3327.8572	6527.001	2354.665771
## 2564 0.109125	3302.0691	6499.000	733.866272
## 2565 0.133036	3486.5837	6906.546	1258.325317
## 2566 0.126426	3606.3865	7177.196	918.520142
## 2567 0.163111	3650.6697	6908.695	931.604248
## 2568 0.180734	3807.5505	7271.099	632.085632
## 2569 0.180998	3657.8560	7044.354	676.351318
## 2570 0.132607	3789.6255	7349.242	816.883118
## 2571 0.159120	3756.1169	7306.123	659.351013
## 2572 0.155111	3803.5259	7291.145	802.909790
## 2573 0.139625	3318.9595	6384.000	1237.479614
## 2574 0.171773	3827.2473	7441.592	773.567566
## 2575 0.146484	3881.5916	7464.802	901.769470
## 2576 0.164823	3852.9067	7527.942	931.298340
## 2577 0.091563	3707.8069	7513.179	906.531250
## 2578 0.132912	3751.5859	7383.241	1181.782837
## 2579 0.093438	3436.4541	6745.833	1350.402710
## 2580 0.163884	3728.3894	7120.713	1065.904907
## 2581 0.199924	3722.0632	7123.173	691.541504
## 2582 0.160045	3686.7998	7073.216	577.944824

## 2583 0.180733	3846.9014	7436.562	793.685303
## 2584 0.195969	3627.8154	7053.260	754.838928
## 2585 0.156036	3802.0510	7553.621	886.513123
## 2586 0.158418	3700.7854	7301.274	821.918274
## 2587 0.186152	3576.2568	6888.725	663.806885
## 2588 0.138858	3912.1348	7626.898	1163.171631
## 2589 0.125477	3900.8794	7684.210	1166.598755
## 2590 0.116494	3814.8625	7662.854	1112.957520
## 2591 0.127025	3900.3513	7610.219	1149.230591
## 2592 0.113250	3820.9551	7513.833	1227.520996
## 2593 0.089886	3736.5967	7581.819	1040.997437
## 2594 0.104144	3617.4539	7041.305	1213.331177
## 2595 0.112375	3357.2183	6437.000	1510.569824
## 2596 0.110250	3328.1929	6472.000	1268.762573
## 2597 0.113494	3584.0454	7001.136	972.561157
## 2598 0.096123	3723.3855	7380.382	804.542664
## 2599 0.094500	3273.4600	6523.001	31.561861
## 2600 0.124063	3191.7007	6885.000	752.999695
## 2601 0.104625	3379.0327	6469.001	2153.811279
## 2602 0.147934	3734.4629	7097.880	943.004822
## 2603 0.139015	3532.5154	6659.093	830.723694
## 2604 0.161285	3550.2378	6764.583	469.498047
## 2605 0.153007	3852.0571	7352.120	1064.933472
## 2606 0.083471	3823.4734	7573.140	1798.888428
## 2607 0.089397	3752.9741	7445.536	1716.389526
## 2608 0.080288	3653.9688	7231.251	1320.734497
## 2609 0.073902	3734.3135	7427.704	1505.227295
## 2610 0.065820	3450.4915	6865.626	1213.028442
## 2611 0.060366	3534.5884	7104.268	1799.196411
## 2612 0.074583	3600.5376	7126.110	1072.403320
## 2613 0.048828	3690.7932	7522.186	1485.417847
## 2614 0.087205	3655.4775	7283.492	843.354614
## 2615 0.085625	3688.1106	7355.417	772.295166
## 2616 0.081250	3457.2410	6886.721	697.728516
## 2617 0.086298	3340.5144	6654.807	588.061157
## 2618 0.094363	3807.5737	7532.841	745.686279
## 2619 0.096324	3784.7520	7454.119	888.736389
## 2620 0.084716	3678.8933	7263.637	1373.830688
## 2621 0.078500	3321.0369	6594.001	1058.050049
## 2622 0.103327	3453.5339	6768.550	808.639526
## 2623 0.109500	3344.8372	6439.000	758.952515
## 2624 0.109146	3573.5125	6997.562	734.205566
## 2625 0.088625	3315.9104	6521.000	836.184265
## 2626 0.083665	3609.7595	7107.388	1392.789429
## 2627 0.072855	3649.1196	7222.549	1240.335815
## 2628 0.074460	3855.2280	7720.796	967.388916
## 2629 0.089607	3904.9023	7676.439	1333.043091
## 2630 0.127865	3828.8020	7388.280	956.422913
## 2631 0.116022	3750.9626	7229.761	1471.512329
## 2632 0.112312	3831.8528	7430.748	1158.429321
## 2633 0.089583	3838.0159	7530.483	1280.173218
## 2634 0.101744	3870.7197	7519.769	1199.634766
## 2635 0.103395	3807.3149	7371.607	1376.271606
## 2636 0.100716	3646.9517	7097.919	883.078613

## 2637 0.101042	3855.8047	7524.628	1409.668213
## 2638 0.088530	3789.9673	7442.585	1608.409180
## 2639 0.097763	3822.1445	7462.894	1311.124634
## 2640 0.088854	3468.6316	6738.334	1150.751465
## 2641 0.094315	3845.7527	7526.906	2951.744385
## 2642 0.072752	3818.6028	7589.912	1316.244385
## 2643 0.086692	3692.7771	7274.569	940.114929
## 2644 0.114562	3806.5623	7421.393	744.487671
## 2645 0.084125	3348.4001	6541.000	1348.993408
## 2646 0.089691	3771.4731	7465.518	1286.708252
## 2647 0.108250	3351.2539	6480.001	956.317322
## 2648 0.086402	3525.8879	6937.838	1153.471313
## 2649 0.080078	3467.2546	6821.093	1445.638306
## 2650 0.113889	3739.5547	7273.015	1430.884644
## 2651 0.108540	3763.7576	7692.713	1213.371582
## 2652 0.086207	3434.5134	6682.759	1243.647095
## 2653 0.077125	3252.3872	6561.000	1377.023071
## 2654 0.088260	3536.6631	6890.542	999.407776
## 2655 0.105055	3677.1113	7279.042	1161.199341
## 2656 0.102113	3623.9561	7600.597	895.411865
## 2657 0.103038	3443.1641	6888.195	272.409180
## 2658 0.124924	3573.3164	6890.854	1033.036743
## 2659 0.107830	3862.8557	7588.626	929.889709
## 2660 0.127644	3540.5193	6871.796	751.090027
## 2661 0.095221	3512.4783	6822.059	819.571960
## 2662 0.072222	3483.2788	6965.281	870.547913
## 2663 0.102431	3655.5479	7184.258	1154.203735
## 2664 0.120958	3836.9380	7656.409	1167.603516
## 2665 0.093505	3896.1438	7753.893	899.644043
## 2666 0.074646	3783.2598	7529.243	809.298035
## 2667 0.086601	3880.5413	7711.267	1022.030396
## 2668 0.058490	3656.9163	7352.918	902.657654
## 2669 0.079532	3902.8364	7767.366	907.913513
## 2670 0.071429	3772.6262	7553.793	947.059814
## 2671 0.078585	3887.9849	7774.594	595.033447
## 2672 0.079626	3849.0706	7688.646	611.847900
## 2673 0.092896	3926.8184	7760.545	1094.750732
## 2674 0.083753	3836.5701	7649.740	655.118713
## 2675 0.101890	3869.9138	7700.635	1227.578857
## 2676 0.123444	3926.5046	7669.752	1161.297729
## 2677 0.131367	3904.7300	7590.685	982.387939
## 2678 0.138076	3795.1572	7412.287	821.315369
## 2679 0.161787	3853.1589	7418.456	1223.560913
## 2680 0.199000	3834.4177	7221.333	905.300964
## 2681 0.208159	3806.2974	7230.873	963.642761
## 2682 0.191229	3827.3711	7257.667	1204.933472
## 2683 0.236510	3685.2698	6865.416	1066.360718
## 2684 0.219265	3775.3599	7042.034	1303.067261
## 2685 0.307813	3438.4470	6286.806	789.557007
## 2686 0.215136	3839.9731	7280.119	1308.743286
## 2687 0.142063	3747.8193	7136.508	1422.778931
## 2688 0.142058	3891.0552	7600.705	1083.736694
## 2689 0.139995	3858.9712	7501.898	1073.050415
## 2690 0.139183	3699.5420	7185.769	1422.500366

## 2691 0.191639	3798.9792	7196.273	1368.689453
## 2692 0.182514	3743.7305	7192.699	1451.698975
## 2693 0.170576	3729.2708	7125.650	1365.373047
## 2694 0.181976	3786.8372	7143.180	1383.453247
## 2695 0.212500	3369.7568	6341.073	531.086731
## 2696 0.192663	3677.7778	7025.722	1009.540161
## 2697 0.143304	3432.6921	6455.356	1096.873413
## 2698 0.241830	3726.4050	7008.330	897.962219
## 2699 0.155012	3700.3301	7020.285	1410.539185
## 2700 0.209816	3765.6873	7062.500	1021.326782
## 2701 0.167917	3457.5176	6433.334	1115.523438
## 2702 0.201190	3723.3206	6952.380	1246.162354
## 2703 0.195103	3907.9495	7394.254	1391.216919
## 2704 0.247991	3401.2700	6201.786	828.213562
## 2705 0.173191	3717.0144	7002.194	1427.106445
## 2706 0.195556	3796.4497	7162.780	1085.264526
## 2707 0.227870	3641.1838	6788.775	841.005676
## 2708 0.197159	3693.9321	6894.545	1273.780029
## 2709 0.157292	3758.5242	7171.475	1229.949829
## 2710 0.176726	3887.5430	7365.990	1220.634399
## 2711 0.209034	3695.3533	6885.456	1179.415771
## 2712 0.181978	3851.5164	7293.419	1119.586426
## 2713 0.175990	3872.4873	7388.044	1281.158447
## 2714 0.179214	3805.3296	7230.338	1036.351318
## 2715 0.178101	3871.4482	7331.202	1471.191284
## 2716 0.185571	3931.6973	7451.366	1300.939209
## 2717 0.181450	3915.7104	7447.037	1321.443726
## 2718 0.142250	3355.0420	6313.000	1278.883179
## 2719 0.197304	3630.3630	6847.059	793.498108
## 2720 0.197807	3834.0774	7263.380	957.301514
## 2721 0.187676	3787.7915	7217.137	1166.711060
## 2722 0.140503	3772.7009	7219.480	1807.168701
## 2723 0.183775	3809.7046	7290.908	1103.686890
## 2724 0.123214	3401.8855	6535.716	1015.440979
## 2725 0.186141	3721.0977	7150.723	945.787415
## 2726 0.238281	3421.1633	6262.502	755.290039
## 2727 0.134428	3730.5518	7134.320	1861.526245
## 2728 0.128125	3552.1030	6793.058	1024.722168
## 2729 0.154207	3692.8489	7039.906	1389.060669
## 2730 0.120615	3715.1875	7165.322	1387.068604
## 2731 0.152055	3929.3972	7581.294	1211.802246
## 2732 0.116300	3872.6526	7607.146	1123.420532
## 2733 0.099583	3393.4783	6670.002	1238.420166
## 2734 0.100625	3285.3228	6456.002	740.047607
## 2735 0.087875	3335.9141	6510.000	1528.708130
## 2736 0.100125	3284.5640	6446.000	1135.166870
## 2737 0.100156	3524.5020	6935.625	1146.810913
## 2738 0.106370	3356.4548	6499.040	977.065735
## 2739 0.114773	3781.4814	7405.305	1236.962280
## 2740 0.111754	3694.3752	7269.404	808.066895
## 2741 0.130773	3786.6089	7290.627	1978.310791
## 2742 0.124461	2855.7798	6543.966	245.864334
## 2743 0.148271	3661.7485	6993.617	443.021912
## 2744 0.115497	3660.1108	7095.919	861.769287

## 2745 0.083053	3782.2078	7457.051	1410.046021
## 2746 0.076048	3846.4690	7661.226	1345.500244
## 2747 0.110011	3682.2068	7250.001	882.146362
## 2748 0.103125	3794.5591	7451.317	1111.678711
## 2749 0.102868	3737.8220	7309.249	1328.729736
## 2750 0.097996	3898.1006	7661.996	1403.735962
## 2751 0.097086	3837.1057	7585.336	1104.356812
## 2752 0.062917	3590.4287	7178.888	806.438477
## 2753 0.091572	3664.2925	7293.562	3729.969971
## 2754 0.106985	3761.5940	7286.765	1587.215698
## 2755 0.116884	3770.6311	7285.764	1072.492432
## 2756 0.115935	3841.4211	7423.197	1213.790039
## 2757 0.110372	3792.6511	7405.584	1544.996094
## 2758 0.104688	3771.0005	7345.938	1192.874878
## 2759 0.084524	3581.1409	7054.167	1313.444458
## 2760 0.092173	3804.3176	7509.813	1532.029297
## 2761 0.103602	3891.4922	7614.688	1350.051025
## 2762 0.129250	3351.4043	6491.000	864.378113
## 2763 0.098437	3609.7571	7047.026	1185.664917
## 2764 0.117457	3927.1523	7664.116	1538.500610
## 2765 0.112606	3522.6482	7596.591	1148.139038
## 2766 0.117670	3808.4102	7413.634	1237.144531
## 2767 0.122574	3726.9648	7302.303	980.319824
## 2768 0.115463	3856.6133	7510.549	1298.262329
## 2769 0.090118	3478.9419	6912.838	683.467468
## 2770 0.096375	3305.7058	6513.001	844.579651
## 2771 0.110250	3334.8379	6432.000	1335.511353
## 2772 0.110590	3820.7007	7489.684	1566.009644
## 2773 0.113802	3840.1792	7651.282	1156.902954
## 2774 0.115216	3802.8608	7666.059	1339.402344
## 2775 0.111482	3808.2903	7694.266	1241.654907
## 2776 0.111611	3811.6460	7688.947	1253.578491
## 2777 0.107770	3727.6338	7304.053	1234.739258
## 2778 0.128906	3616.6096	6976.136	1217.056885
## 2779 0.096540	3385.9316	6625.001	1156.075928
## 2780 0.128939	3813.2019	7447.899	1193.411987
## 2781 0.122016	3792.9358	7428.604	1252.167603
## 2782 0.082426	3353.1584	7496.289	790.579468
## 2783 0.097997	3730.3091	7363.143	1595.734131
## 2784 0.121150	3632.7024	7168.749	1188.518188
## 2785 0.116381	3699.4673	7219.757	1463.080566
## 2786 0.107869	3858.1716	7616.969	1231.839844
## 2787 0.108333	3858.6345	7661.318	1426.006714
## 2788 0.094237	3680.0125	7375.650	1983.747803
## 2789 0.095657	3725.4836	7522.035	1274.363892
## 2790 0.106618	3860.1348	7578.381	1655.597778
## 2791 0.082826	3749.7969	7547.827	1428.701294
## 2792 0.082468	3619.4561	7278.812	1491.018921
## 2793 0.115262	3796.8613	7497.097	1511.731323
## 2794 0.131808	3618.6577	7184.375	1348.124390
## 2795 0.064750	3318.3074	6591.001	2566.237793
## 2796 0.126589	3634.3159	7174.576	1528.459351
## 2797 0.105291	3904.6021	7693.445	1541.065674
## 2798 0.094716	3790.3320	7501.134	1435.697021

## 2799 0.076809	3500.1726	6953.290	1139.559692
## 2800 0.113656	3730.5779	7272.261	1573.391968
## 2801 0.099781	3639.4561	7207.019	763.645935
## 2802 0.106321	3758.2825	7374.147	1316.928345
## 2803 0.117319	3788.4702	7487.213	1196.847778
## 2804 0.088646	3678.9336	7264.165	1673.776001
## 2805 0.107522	3880.0681	7715.894	1515.804443
## 2806 0.123989	3856.0632	7583.923	1146.116455
## 2807 0.113703	3808.7932	7547.845	1200.599609
## 2808 0.100515	3772.4165	7579.706	1176.186890
## 2809 0.114724	3887.0420	7624.912	1442.036987
## 2810 0.107429	3799.5642	7589.978	1113.928589
## 2811 0.081511	3830.3501	7684.317	1708.667603
## 2812 0.116171	3682.3193	7200.396	1445.069214
## 2813 0.094260	3777.4368	7525.710	1500.349609
## 2814 0.073226	3168.9187	6978.378	38.800529
## 2815 0.117310	3892.1233	7548.165	1301.484131
## 2816 0.075375	3353.6714	6530.000	1874.092529
## 2817 0.082292	3315.2505	6760.000	1280.523560
## 2818 0.091061	3390.9019	7079.069	232.256882
## 2819 0.086000	3211.4082	6489.000	1829.896973
## 2820 0.109976	3366.4924	6499.039	1329.337158
## 2821 0.106250	3402.0571	6533.334	1164.240845
## 2822 0.114643	3519.5503	6798.572	1195.631714
## 2823 0.128049	3781.8909	7297.258	1582.329224
## 2824 0.084250	3337.2944	6532.000	1265.373413
## 2825 0.099819	3735.0159	7300.724	998.555115
## 2826 0.115403	3855.5049	7618.873	1357.613892
## 2827 0.098193	3903.6772	7658.432	1241.234131
## 2828 0.068426	3891.7058	7759.860	889.029724
## 2829 0.093733	3926.8245	7768.471	806.700684
## 2830 0.081808	3399.2314	6733.037	538.504333
## 2831 0.075586	3587.7915	7242.187	532.514648
## 2832 0.065465	3495.8760	7103.846	977.944641
## 2833 0.107361	3624.8120	7021.111	1520.661865
## 2834 0.110884	3804.5688	7371.552	1193.682129
## 2835 0.091890	3592.1982	7095.239	627.841858
## 2836 0.086625	3335.8723	6588.000	728.561279
## 2837 0.087000	3344.5925	6591.000	594.188477
## 2838 0.089509	3597.1077	7124.405	650.239258
## 2839 0.079332	3608.1208	7161.933	787.598999
## 2840 0.085846	3496.8638	6927.206	521.161011
## 2841 0.049892	2939.8984	6833.623	115.329002
## 2842 0.115330	3309.6118	7132.076	1274.139771
## 2843 0.106914	3778.5139	7384.375	1191.194580
## 2844 0.093860	3707.6191	7249.562	984.990295
## 2845 0.079609	3573.0605	7032.500	1244.654297
## 2846 0.080386	3610.4338	7150.532	1653.774170
## 2847 0.093182	3627.0413	7075.002	1091.975220
## 2848 0.104941	3770.2146	7333.784	1472.466064
## 2849 0.109161	3764.9536	7316.783	1190.198975
## 2850 0.098021	3443.9258	6710.000	1181.587646
## 2851 0.105179	3523.1365	6856.431	1191.278076
## 2852 0.086397	3508.9922	6884.560	1143.429199

## 2853 0.098047	3731.3384	7281.642	1208.473267
## 2854 0.088500	3351.7739	6536.002	1531.828491
## 2855 0.083449	3394.3220	6637.963	1258.577881
## 2856 0.090500	3337.4443	6532.000	742.354553
## 2857 0.108803	3793.7258	7393.903	1279.559326
## 2858 0.099219	3685.0879	7175.963	1667.249023
## 2859 0.127121	3418.8298	6618.750	556.973267
## 2860 0.080795	3674.9307	7256.366	1592.986572
## 2861 0.076389	3517.8186	6963.195	771.778625
## 2862 0.102114	3855.1145	7527.389	1014.358337
## 2863 0.093188	3858.8086	7573.919	1849.599854
## 2864 0.071914	3748.2983	7475.002	1367.304810
## 2865 0.066328	3538.6562	7050.001	1044.114746
## 2866 0.070099	3582.8325	7149.999	1246.418091
## 2867 0.102643	3885.8176	7703.352	1244.102295
## 2868 0.114430	3621.4736	7614.731	985.497070
## 2869 0.125977	3805.1165	7351.041	1207.484253
## 2870 0.134629	3892.3589	7495.495	1374.139038
## 2871 0.127868	3778.7334	7222.604	1438.073486
## 2872 0.114167	3712.3560	7172.917	973.171021
## 2873 0.117208	3774.4885	7290.585	1155.451172
## 2874 0.107829	3803.8196	7388.170	1450.095825
## 2875 0.121625	3824.5789	7373.752	1774.929199
## 2876 0.114263	3578.7966	6893.591	1567.652466
## 2877 0.126328	3941.2104	7634.529	1333.169067
## 2878 0.128637	3915.4988	7545.899	1491.964111
## 2879 0.109000	3350.4148	6457.000	1176.431152
## 2880 0.136569	3816.3677	7315.959	1266.505005
## 2881 0.113625	3341.2405	6424.001	927.334290
## 2882 0.121779	3816.9480	7379.336	1456.977539
## 2883 0.120590	3827.2532	7459.879	1165.648926
## 2884 0.133594	3761.0078	7342.188	1073.369141
## 2885 0.103000	3345.3926	6443.000	1520.837158
## 2886 0.095875	3329.3423	6478.000	980.447937
## 2887 0.135376	3808.1448	7536.376	781.266479
## 2888 0.116653	3905.0759	7576.191	1445.834717
## 2889 0.133890	3806.7710	7593.273	1201.346436
## 2890 0.105670	3883.4932	7676.471	1413.470581
## 2891 0.105517	3759.9006	7352.470	1605.592285
## 2892 0.091580	3440.5977	6912.502	506.594757
## 2893 0.116185	3811.4780	7385.846	1488.164185
## 2894 0.112777	3748.9275	7317.724	1274.909790
## 2895 0.119352	3767.1560	7314.459	1456.629150
## 2896 0.125102	3713.0686	7597.910	874.471924
## 2897 0.100998	3702.9731	7303.127	1214.038208
## 2898 0.118359	3848.9331	7519.271	1134.867554
## 2899 0.111790	3829.5969	7606.879	1208.897461
## 2900 0.113557	3785.8823	7546.971	1232.759277
## 2901 0.105692	3250.3306	6548.217	1619.033813
## 2902 0.106906	3646.7661	7308.644	1117.213745
## 2903 0.085625	3180.2129	6524.001	1029.520142
## 2904 0.133803	3760.8372	7319.511	536.840637
## 2905 0.136011	3878.4761	7573.912	814.963806
## 2906 0.132148	3836.0081	7504.004	1107.844482

## 2907 0.167233	3762.3630	7137.501	479.425720
## 2908 0.125735	3752.8196	7238.603	795.073730
## 2909 0.125318	3692.2222	7183.476	694.958496
## 2910 0.120665	3716.6311	7222.580	733.064148
## 2911 0.133302	3736.7900	7224.252	619.674927
## 2912 0.135019	3711.0679	7316.239	642.470337
## 2913 0.143638	3872.1863	7423.055	1227.915894
## 2914 0.120483	3714.6499	7408.408	1063.131714
## 2915 0.107212	3604.3833	7085.098	1059.317261
## 2916 0.115726	3602.7498	7171.371	1036.640381
## 2917 0.103860	3540.7605	7095.099	1002.591431
## 2918 0.117210	3725.2954	7234.058	1109.833374
## 2919 0.124733	3649.0344	7289.331	1221.809570
## 2920 0.110864	3745.0312	7453.037	1619.147095
## 2921 0.121256	3784.5864	7400.224	1457.571655
## 2922 0.120871	3728.9204	7474.998	1124.202271
## 2923 0.114624	3782.7617	7442.382	1447.906738
## 2924 0.111486	3756.2446	7664.073	1139.229736
## 2925 0.121358	3908.0503	7668.566	1274.788208
## 2926 0.121809	3786.4927	7374.996	1101.233887
## 2927 0.113211	3884.3652	7622.838	1105.409424
## 2928 0.122297	3817.1416	7423.609	1106.173584
## 2929 0.111543	3851.4487	7538.596	786.476135
## 2930 0.104722	3914.1895	7594.820	1153.768311
## 2931 0.105828	3932.8799	7643.621	1434.817505
## 2932 0.094901	3697.2827	7199.999	976.868591
## 2933 0.121136	3818.4258	7640.940	1072.848267
## 2934 0.124051	3924.3716	7648.083	1198.371948
## 2935 0.135572	3788.4436	7299.203	1211.583130
## 2936 0.123849	3810.1001	7355.791	1905.662109
## 2937 0.112382	3635.5107	7110.377	1861.270142
## 2938 0.116399	3783.9285	7410.841	969.263550
## 2939 0.125000	3878.4521	7531.828	1740.736206
## 2940 0.121698	3882.6809	7613.843	1331.438477
## 2941 0.125370	3779.7092	7292.764	1324.639038
## 2942 0.112689	3816.5491	7403.285	1284.016235
## 2943 0.071134	2402.5911	7500.258	199.123581
## 2944 0.123376	3776.5635	7362.255	943.140320
## 2945 0.108409	3755.0098	7406.699	1461.783203
## 2946 0.114790	3778.8933	7367.078	1457.275513
## 2947 0.140404	3758.6567	7295.458	1178.303101
## 2948 0.125161	3787.8667	7327.833	1415.756592
## 2949 0.099671	3570.7476	6870.395	1607.143921
## 2950 0.116380	3850.3367	7498.174	1502.480835
## 2951 0.108813	3538.3083	7119.500	548.282043
## 2952 0.122131	3887.6951	7560.142	1495.848877
## 2953 0.096429	3347.8208	6617.859	862.029724
## 2954 0.110141	3874.0828	7634.902	1367.205688
## 2955 0.124606	3909.2310	7667.967	1202.855347
## 2956 0.126462	3915.8901	7635.888	1221.226074
## 2957 0.121891	3884.2495	7599.943	1080.078125
## 2958 0.098902	3527.1836	6869.595	1246.359253
## 2959 0.131687	3888.1135	7604.534	961.252441
## 2960 0.143104	3897.1316	7620.250	1019.255005

## 2961 0.151121	3848.4390	7574.778	849.740112
## 2962 0.128664	3607.9856	7153.448	755.720276
## 2963 0.135016	3539.4453	6842.309	703.079041
## 2964 0.163625	3169.7468	6366.000	248.876251
## 2965 0.160333	3678.1897	7190.999	617.746765
## 2966 0.154960	3685.4824	7107.937	732.426697
## 2967 0.157146	3890.3787	7569.296	842.884766
## 2968 0.143675	3908.7256	7597.720	859.408875
## 2969 0.141122	3845.8069	7405.681	870.418274
## 2970 0.137655	3800.0657	7360.396	687.046875
## 2971 0.126989	3730.6187	7210.983	1035.604004
## 2972 0.145446	3807.0928	7359.522	959.624023
## 2973 0.159152	3758.0659	7287.204	765.442627
## 2974 0.130529	3779.5222	7337.089	915.034729
## 2975 0.134707	3788.4517	7338.034	689.364441
## 2976 0.125303	3838.3394	7454.105	941.250244
## 2977 0.144496	3773.0139	7300.854	914.890747
## 2978 0.141764	3766.7126	7346.613	691.238770
## 2979 0.132991	3728.3650	7212.499	889.264343
## 2980 0.141000	3773.1389	7365.254	845.418518
## 2981 0.132197	3726.1387	7209.092	1010.764648
## 2982 0.132777	3910.6780	7627.134	961.793701
## 2983 0.120136	3938.7983	7632.703	1288.644287
## 2984 0.155678	3892.9631	7534.436	726.539917
## 2985 0.206470	3859.7532	7314.962	760.576477
## 2986 0.200042	3842.8381	7340.375	891.041260
## 2987 0.184594	3853.0000	7461.774	769.700317
## 2988 0.168300	3842.2759	7517.948	735.781616
## 2989 0.162500	3460.1895	6643.939	807.059570
## 2990 0.174899	3908.3940	7554.718	884.257263
## 2991 0.061266	3482.1064	7040.791	24.753679
## 2992 0.149774	3914.2664	7621.247	815.622131
## 2993 0.127596	3931.7554	7637.708	919.004639
## 2994 0.121005	3904.2280	7560.611	1117.460083
## 2995 0.119555	3896.3513	7500.768	1237.637817
## 2996 0.123286	3483.0178	6682.259	1059.835083
## 2997 0.123500	3355.7451	6439.001	238.179794
## 2998 0.047804	3427.7869	7037.839	2430.947754
## 2999 0.059436	2898.7419	7215.686	877.629578
## 3000 0.105321	3746.8521	7447.298	1008.917847
## 3001 0.094531	3461.1812	6883.593	886.804626
## 3002 0.077287	3569.5837	7103.659	881.298828
## 3003 0.083750	3592.4324	7164.445	726.501282
## 3004 0.098711	3762.1838	7453.125	714.016724
## 3005 0.085577	3660.5056	7244.232	857.038513
## 3006 0.096926	3709.9336	7305.328	921.847717
## 3007 0.084180	3469.1196	6844.534	1136.852417
## 3008 0.060250	3329.9470	6617.000	1550.453979
## 3009 0.113358	3806.0481	7459.560	906.464661
## 3010 0.095349	3777.5352	7425.874	1210.067627
## 3011 0.079659	3680.5784	7248.185	1297.550415
## 3012 0.068642	3430.0054	6751.724	1980.664307
## 3013 0.059375	2944.8894	6601.000	731.570007
## 3014 0.109109	3639.7039	7101.595	1318.299561

## 3015 0.087162	3741.7358	7368.583	1561.540894
## 3016 0.083409	3676.3811	7248.637	1252.587402
## 3017 0.074107	3373.4038	6720.537	1170.353516
## 3018 0.068250	3325.9871	6592.001	861.458496
## 3019 0.083678	3829.2373	7577.479	1109.725342
## 3020 0.084323	3691.3792	7294.170	1229.140503
## 3021 0.087784	3474.2651	6823.486	1156.696167
## 3022 0.093000	3333.2927	6504.000	1591.995972
## 3023 0.087500	3298.3904	6507.001	854.811462
## 3024 0.082375	3317.2859	6581.001	830.418640
## 3025 0.102453	3757.5762	7439.516	1229.671753
## 3026 0.080842	3712.2051	7378.259	1502.873413
## 3027 0.076042	3625.3726	7178.646	877.354065
## 3028 0.105345	3682.8474	7328.947	1473.655884
## 3029 0.102689	3519.3062	6999.419	1173.884155
## 3030 0.099844	3689.6160	7358.439	1319.081787
## 3031 0.105382	3623.1099	7155.557	1277.197876
## 3032 0.113770	3425.2253	6735.938	1195.209106
## 3033 0.117708	3818.9753	7551.851	1291.463379
## 3034 0.117253	3729.0037	7374.221	1249.834351
## 3035 0.093605	3528.3779	7018.604	1437.079102
## 3036 0.095288	3595.9309	7268.651	715.869751
## 3037 0.116161	3698.3777	7262.142	1211.914917
## 3038 0.107188	3387.0750	6658.334	1045.000610
## 3039 0.100379	3475.2266	6801.517	1444.358276
## 3040 0.096429	3336.7717	6631.250	1080.945068
## 3041 0.077875	3231.2810	6539.001	1144.917603
## 3042 0.100822	3522.4893	6923.027	1387.962402
## 3043 0.092188	3310.4736	6546.157	1520.721680
## 3044 0.123750	3286.9578	6453.001	1177.055298
## 3045 0.117330	3519.5400	6968.181	507.850372
## 3046 0.113636	3458.6458	6725.759	1997.171143
## 3047 0.109132	3703.7566	7371.946	1394.611572
## 3048 0.132701	3605.3313	7119.197	930.209961
## 3049 0.116036	3690.4934	7310.856	1201.927734
## 3050 0.079640	3385.2673	6886.364	2009.177490
## 3051 0.053221	3799.1497	7573.982	2422.386475
## 3052 0.078958	3580.2246	7123.887	826.652710
## 3053 0.066038	3629.6008	7265.566	1432.607910
## 3054 0.076563	3740.1296	7486.921	1209.120972
## 3055 0.069131	3556.0034	7073.779	1307.700562
## 3056 0.063071	3769.6897	7536.562	1336.833984
## 3057 0.031027	3342.0886	6795.537	1569.697632
## 3058 0.042685	3569.1697	7186.932	1329.833252
## 3059 0.065121	3706.2590	7362.098	961.046875
## 3060 0.084681	3655.9700	7165.199	1480.219727
## 3061 0.076420	3590.7380	7114.204	1068.540649
## 3062 0.087228	3728.5950	7360.506	1098.461914
## 3063 0.090816	3628.7131	7192.348	1217.336914
## 3064 0.098918	3342.5535	6550.963	1041.626709
## 3065 0.082227	3411.9531	6850.000	688.904297
## 3066 0.088542	3688.6687	7254.824	1350.863403
## 3067 0.083437	3635.2671	7223.000	1353.981323
## 3068 0.074386	3674.1741	7280.357	1430.136963

## 3069 0.046951	3565.6545	7137.196	1640.891846
## 3070 0.062247	3765.9307	7571.968	1261.284424
## 3071 0.098220	3886.9595	7647.222	1371.292114
## 3072 0.118365	3931.8494	7620.288	1203.248535
## 3073 0.100618	3814.8242	7442.189	1281.979004
## 3074 0.090079	3732.4285	7300.000	1208.290649
## 3075 0.096071	3824.9136	7477.969	1161.013672
## 3076 0.101632	3856.3823	7484.955	1439.610962
## 3077 0.112716	3868.7930	7484.616	1298.691528
## 3078 0.088984	3752.3613	7404.375	1284.354858
## 3079 0.080534	3616.9629	7158.853	1467.057739
## 3080 0.096638	3864.3450	7556.252	1278.668579
## 3081 0.094003	3575.0657	6922.976	1458.068237
## 3082 0.110666	3459.8953	7606.095	1796.177612
## 3083 0.120011	3948.6516	7642.842	1047.676636
## 3084 0.138685	3723.1252	7146.124	968.049316
## 3085 0.107853	3574.9683	6924.360	1074.504272
## 3086 0.116250	3354.7981	6450.999	1181.489624
## 3087 0.088958	3741.5244	7396.000	179.950653
## 3088 0.125000	3835.1006	7460.451	1142.153442
## 3089 0.139618	3911.0840	7496.809	1629.600952
## 3090 0.125567	3882.3970	7554.111	1392.015747
## 3091 0.114257	3917.0637	7622.980	1140.080200
## 3092 0.118398	3930.7070	7644.667	1167.692383
## 3093 0.122435	3947.0857	7644.849	1533.581665
## 3094 0.112874	3915.4988	7624.002	1162.359741
## 3095 0.120927	3810.6155	7349.158	1316.323608
## 3096 0.103114	3892.7244	7634.004	1227.701782
## 3097 0.093750	3265.4612	6500.000	454.965027
## 3098 0.092739	3892.0691	7614.678	1548.341797
## 3099 0.098577	3808.5618	7446.287	1504.957031
## 3100 0.107788	3698.4795	7225.000	891.779297
## 3101 0.103824	3723.3943	7342.436	1191.982666
## 3102 0.098560	3814.2327	7516.992	1355.551758
## 3103 0.094464	3718.8608	7321.072	1240.343872
## 3104 0.117550	3832.8569	7469.803	1185.158936
## 3105 0.097052	3662.8391	7150.470	1771.029541
## 3106 0.099599	3749.0071	7353.525	1208.954468
## 3107 0.083178	3752.8286	7467.288	539.651489
## 3108 0.121125	3353.7500	6431.000	1696.224365
## 3109 0.121867	3942.9307	7683.748	1273.483887
## 3110 0.117316	3851.4839	7484.934	1221.959717
## 3111 0.107568	3832.0974	7538.437	882.588074
## 3112 0.113245	3878.0898	7515.062	1318.282104
## 3113 0.117727	3696.6599	7154.094	1460.403076
## 3114 0.109663	3869.4233	7540.799	950.986694
## 3115 0.108176	3909.9990	7616.920	1412.882080
## 3116 0.108337	3945.2971	7695.938	1740.506714
## 3117 0.092981	3727.7290	7285.768	1675.284424
## 3118 0.106694	3917.2786	7644.830	1645.846313
## 3119 0.083841	3734.9104	7442.378	454.821777
## 3120 0.128385	3809.3899	7339.287	1298.420288
## 3121 0.078750	3315.1311	6546.001	683.250488
## 3122 0.108065	3720.9180	7232.258	1201.314697

## 3123 0.106681	3720.5349	7180.173	1039.581299
## 3124 0.065774	3539.5754	7130.954	1621.497192
## 3125 0.073996	2862.2842	7227.679	313.035583
## 3126 0.122385	3671.7832	7084.186	1534.884766
## 3127 0.095797	3449.3916	6712.931	1142.471924
## 3128 0.092339	3487.6128	6775.000	1590.812256
## 3129 0.100000	3427.6633	6655.357	1158.096924
## 3130 0.097817	3768.4082	7373.974	1189.560181
## 3131 0.092898	3505.6074	6846.971	991.978882
## 3132 0.085250	3358.1172	6567.000	1013.756958
## 3133 0.078125	3360.4563	6589.001	1182.855591
## 3134 0.086458	3614.4556	7091.667	1486.403687
## 3135 0.102729	3210.4700	7353.797	932.003723
## 3136 0.137375	3369.1396	6372.001	984.610168
## 3137 0.132187	3603.8503	6873.751	643.643982
## 3138 0.128375	3364.7344	6404.001	910.797485
## 3139 0.152225	3715.4600	7137.711	600.172485
## 3140 0.167969	3502.3108	6642.187	499.942871
## 3141 0.135811	3576.5405	6791.892	1092.172852
## 3142 0.084018	3798.8245	7533.570	2011.021851
## 3143 0.092316	3817.3499	7560.861	1595.790649
## 3144 0.076017	3753.3762	7462.048	1636.046509
## 3145 0.078557	3866.3911	7682.718	2055.693604
## 3146 0.119713	3875.7615	7490.980	1362.122925
## 3147 0.108472	3645.0288	7015.557	892.187439
## 3148 0.117472	3744.7776	7224.622	1128.158813
## 3149 0.103814	3727.1790	7289.706	1603.107300
## 3150 0.115321	3764.7595	7279.513	1311.500977
## 3151 0.095270	3808.3257	7497.972	1258.800293
## 3152 0.089661	3788.1741	7478.458	1638.655518
## 3153 0.084805	3790.3440	7431.250	1556.593262
## 3154 0.124777	3568.1680	7002.382	979.421143
## 3155 0.113318	3828.1907	7481.309	1085.424438
## 3156 0.105826	3885.4033	7626.415	1805.354980
## 3157 0.087000	3326.8372	6556.000	1154.440918
## 3158 0.098260	3847.7715	7675.285	1154.320068
## 3159 0.079416	3896.4836	7740.285	838.102173
## 3160 0.093082	3910.0378	7726.818	792.688416
## 3161 0.098655	3915.8157	7727.156	983.268494
## 3162 0.079125	3334.3164	6589.001	701.392273
## 3163 0.098359	3569.8765	7070.625	660.914307
## 3164 0.078250	3334.6946	6610.001	610.318176
## 3165 0.077134	3582.5662	7105.488	735.414246
## 3166 0.085750	3330.6177	6585.000	415.996429
## 3167 0.051491	3027.5813	7197.727	23.817373
## 3168 0.078983	3646.7463	7230.884	1091.832642
## 3169 0.080119	3681.4648	7313.793	683.978577
## 3170 0.060724	3747.8191	7540.341	920.138123
## 3171 0.073611	3659.7769	7220.833	431.026337
## 3172 0.153223	3763.1753	7134.764	957.691162
## 3173 0.106452	3729.7200	7265.322	1036.094727
## 3174 0.115086	3711.5867	7212.069	1025.374756
## 3175 0.092045	3498.4082	6861.366	1131.409668
## 3176 0.096577	3721.9863	7317.064	817.377441

## 3177 0.095521	3804.0020	7453.613	1079.339844
## 3178 0.087192	3760.9314	7412.326	1114.013062
## 3179 0.085227	3808.5500	7534.092	1103.786133
## 3180 0.071875	3477.1577	6906.062	829.369873
## 3181 0.078860	3524.2988	6933.089	1102.086670
## 3182 0.083594	3735.1260	7353.517	1137.038574
## 3183 0.084625	3329.0750	6606.001	843.637268
## 3184 0.063504	3400.7087	6761.608	1288.728394
## 3185 0.034750	3347.3777	6677.000	3159.793457
## 3186 0.121219	3797.6572	7305.558	765.730591
## 3187 0.117308	3698.5796	7087.500	1636.779541
## 3188 0.070759	3357.0657	6722.323	1669.099854
## 3189 0.083068	3681.8413	7265.455	1452.852417
## 3190 0.073003	3497.6382	6980.556	1241.678833
## 3191 0.074173	3826.3884	7620.955	1341.554199
## 3192 0.118817	3848.2654	7497.478	1200.213501
## 3193 0.105072	3613.2378	7262.707	921.465393
## 3194 0.075847	3662.9854	7316.950	1336.711304
## 3195 0.075601	3652.7163	7229.328	1227.969604
## 3196 0.095799	3350.7681	7609.691	879.159485
## 3197 0.129661	3685.5444	7497.003	1234.159546
## 3198 0.116956	3886.6311	7537.724	1344.637207
## 3199 0.116609	3898.6311	7659.741	1159.212280
## 3200 0.137355	3622.2244	7371.298	577.730530
## 3201 0.141710	3613.0271	7213.543	1252.240234
## 3202 0.120615	3547.9824	7559.408	876.553650
## 3203 0.102101	3732.3164	7472.198	806.563965
## 3204 0.085682	3459.1521	7512.954	565.386414
## 3205 0.123098	3736.4470	7350.002	1756.187988
## 3206 0.109707	3843.5515	7671.652	1017.177795
## 3207 0.094716	3667.6492	7197.728	597.216980
## 3208 0.089375	3340.8469	6496.000	1117.950806
## 3209 0.108076	3818.5176	7438.119	1244.175049
## 3210 0.096472	3398.9778	7620.104	909.875671
## 3211 0.115813	3842.3499	7509.212	646.128601
## 3212 0.102358	3867.0537	7559.581	1780.504639
## 3213 0.098280	3856.0298	7563.755	1448.154663
## 3214 0.109491	3380.5613	6536.112	1479.437256
## 3215 0.085640	3574.5286	7029.167	1534.917358
## 3216 0.089318	3796.5217	7514.318	1482.367432
## 3217 0.104704	3797.7156	7407.632	1485.564819
## 3218 0.087750	3326.6169	6501.999	1528.136475
## 3219 0.100375	3327.6169	6440.000	801.552429
## 3220 0.109878	3842.7778	7456.779	1763.975830
## 3221 0.180893	3823.1128	7304.047	1172.318359
## 3222 0.117470	3903.7632	7587.742	1716.964966
## 3223 0.101679	3897.0696	7628.606	1815.134521
## 3224 0.108992	3821.1021	7570.398	1310.883789
## 3225 0.099375	3861.7468	7586.000	1920.607178
## 3226 0.096947	3925.5781	7730.934	1355.775879
## 3227 0.111349	3922.1731	7622.452	1359.519165
## 3228 0.106891	3949.0225	7689.993	1384.405762
## 3229 0.105392	3888.6543	7556.046	1564.378906
## 3230 0.104914	3952.2644	7720.180	1322.938721

## 3231 0.107725	3900.9846	7597.426	1353.605835
## 3232 0.105530	3951.1946	7718.565	1357.096558
## 3233 0.095040	3711.4597	7270.238	1390.084595
## 3234 0.100345	3884.6836	7602.107	1433.473511
## 3235 0.088065	3857.4053	7653.457	1682.946045
## 3236 0.134958	3808.3652	7584.470	938.902832
## 3237 0.171201	3850.2686	7523.711	676.457336
## 3238 0.176015	3909.1438	7523.138	888.817200
## 3239 0.165271	3872.0361	7500.603	865.988770
## 3240 0.176423	3849.5737	7495.532	806.046509
## 3241 0.169271	3592.0286	6924.480	772.703857
## 3242 0.154061	3822.4385	7494.434	842.261963
## 3243 0.172276	3802.5146	7400.639	822.372864
## 3244 0.126172	3456.4670	6921.875	532.543152
## 3245 0.159419	3724.3748	7151.762	923.499268
## 3246 0.150349	3838.2019	7436.734	915.160339
## 3247 0.138997	3905.3237	7624.025	1146.333374
## 3248 0.095093	3803.8892	7492.292	1838.047852
## 3249 0.105155	3851.5837	7602.671	1323.560791
## 3250 0.118354	3655.3384	7201.056	1517.928589
## 3251 0.110829	3784.7522	7509.118	1185.887329
## 3252 0.099309	3847.8535	7667.468	1699.529907
## 3253 0.092721	3753.1929	7562.976	1747.950928
## 3254 0.089347	3675.9514	7545.458	1376.865356
## 3255 0.086409	3790.8591	7664.914	1864.277588
## 3256 0.087798	3743.1494	7631.363	1462.573364
## 3257 0.094732	3635.1951	7312.142	1559.266357
## 3258 0.081519	3761.8560	7673.833	1988.649292
## 3259 0.095404	3722.2195	7492.228	1669.184082
## 3260 0.090228	3745.2800	7497.246	1737.295532
## 3261 0.100483	3827.2422	7611.282	1722.213623
## 3262 0.089146	3803.4641	7659.776	1327.266724
## 3263 0.084480	3811.9570	7682.385	1830.174683
## 3264 0.093588	3777.9568	7675.338	1685.164429
## 3265 0.085485	3732.5466	7620.689	1681.557251
## 3266 0.078208	3738.8472	7347.336	1934.765869
## 3267 0.096482	3752.6753	7551.371	1753.519287
## 3268 0.093992	3797.6860	7545.952	1435.688477
## 3269 0.094340	3659.6533	7180.661	1609.421387
## 3270 0.087861	3807.0632	7553.654	1721.548828
## 3271 0.091424	3680.3191	7699.536	819.303772
## 3272 0.080787	3609.2183	7543.980	338.620575
## 3273 0.111319	3823.4939	7567.987	910.918091
## 3274 0.090142	3713.8694	7705.851	1533.443604
## 3275 0.092423	3781.2485	7672.208	1612.428101
## 3276 0.095269	3788.6272	7450.233	2267.425293
## 3277 0.088183	3783.2073	7572.351	1287.420776
## 3278 0.098200	3859.2952	7700.543	1698.978271
## 3279 0.091578	3765.6077	7588.262	1277.220093
## 3280 0.101415	3805.0271	7541.041	1830.821167
## 3281 0.093862	3794.8821	7629.982	1729.149170
## 3282 0.078356	3779.2703	7722.009	1713.352539
## 3283 0.072697	3631.0286	7498.422	810.594116
## 3284 0.073365	3666.2212	7570.770	1415.022461

## 3285 0.087355	3574.4294	7411.048	858.081604
## 3286 0.116064	3793.0334	7549.798	1342.493896
## 3287 0.097739	3801.0210	7579.399	1609.920044
## 3288 0.079202	3695.2339	7524.579	1469.096191
## 3289 0.084579	3654.8030	7423.914	1471.583984
## 3290 0.097381	3684.9465	7309.926	1466.322998
## 3291 0.084143	3860.1194	7736.431	1384.266113
## 3292 0.073633	3661.3564	7340.625	1592.576172
## 3293 0.169378	3884.1038	7429.538	916.121887
## 3294 0.104561	3489.8247	6926.352	310.801147
## 3295 0.112117	3674.2373	7025.511	1306.114258
## 3296 0.132222	3766.8499	7326.667	984.712402
## 3297 0.115865	3568.6436	6887.821	1129.801880
## 3298 0.126562	3851.9895	7512.785	1245.324951
## 3299 0.147347	3855.2085	7400.539	1030.197754
## 3300 0.126594	3886.8467	7533.952	1598.423828
## 3301 0.093944	3877.4277	7675.003	1465.002319
## 3302 0.093063	3850.0542	7602.200	1436.482666
## 3303 0.106232	3866.6785	7532.646	1855.666138
## 3304 0.109094	3736.1375	7373.751	1427.897705
## 3305 0.115968	3731.1501	7315.659	1431.692749
## 3306 0.096139	3880.3953	7652.800	1575.785889
## 3307 0.105339	3707.6033	7306.948	991.706238
## 3308 0.132880	3880.4016	7487.912	1306.492310
## 3309 0.104058	3708.7864	7247.016	1544.012207
## 3310 0.115064	3574.6777	6902.566	1482.955688
## 3311 0.092083	3620.1914	7060.001	1643.987427
## 3312 0.118818	3635.5420	7036.410	1361.359741
## 3313 0.098500	3327.4192	6507.000	1204.530396
## 3314 0.116146	3531.8909	6852.084	929.474243
## 3315 0.080500	3305.8140	6581.000	602.805847
## 3316 0.069125	3309.0159	6603.000	197.812576
## 3317 0.077598	3767.5134	7519.103	1180.388306
## 3318 0.096875	3695.0205	7245.910	962.817078
## 3319 0.093750	2594.5276	7157.692	1067.099976
## 3320 0.098333	3477.7083	6726.668	2119.784424
## 3321 0.160250	3363.6018	6412.001	1441.702026
## 3322 0.057639	3386.4983	6688.891	472.610504
## 3323 0.143527	3626.0977	6897.024	1141.103638
## 3324 0.083854	3561.2737	6906.252	2083.996094
## 3325 0.093672	3581.2297	7013.125	1262.136841
## 3326 0.063108	3493.3540	6963.195	1757.377563
## 3327 0.088362	3650.2522	7235.776	733.483521
## 3328 0.108394	3785.4480	7371.806	1431.314209
## 3329 0.096875	3667.7078	7118.135	1521.481079
## 3330 0.089728	3807.1941	7479.862	1387.061157
## 3331 0.094500	3281.3262	6527.001	859.217468
## 3332 0.126624	3855.0979	7487.830	1190.944702
## 3333 0.115015	3561.5044	6946.343	815.295898
## 3334 0.123564	3544.2188	6816.892	566.760986
## 3335 0.113423	3613.9390	6984.662	991.545898
## 3336 0.114606	3627.1472	7044.565	989.413757
## 3337 0.127381	3754.0635	7303.871	730.687500
## 3338 0.121173	3658.2871	7034.184	1483.222656

## 3339 0.119792	3786.7642	7382.797	1449.815552
## 3340 0.135875	3348.2314	6459.000	796.557983
## 3341 0.099250	3347.2766	6487.000	682.091919
## 3342 0.121662	3850.9297	7620.328	1400.192749
## 3343 0.094440	3788.0603	7428.491	1767.891968
## 3344 0.096446	3929.1821	7637.551	1813.904785
## 3345 0.088247	3663.7893	7104.349	1596.695190
## 3346 0.099632	3516.9529	6867.648	1608.739990
## 3347 0.052625	3325.3677	6620.000	1043.756958
## 3348 0.086619	3589.9602	7004.488	1977.047119
## 3349 0.090750	3370.7542	6522.001	1719.054321
## 3350 0.056625	3360.4263	6621.000	1188.958252
## 3351 0.140262	3636.5112	6995.348	1544.972046
## 3352 0.088297	3678.3801	7175.982	1086.827271
## 3353 0.130750	3364.4165	6405.002	879.509949
## 3354 0.084375	3372.0029	6512.001	2422.948730
## 3355 0.059255	3383.6606	6627.885	1107.139526
## 3356 0.062500	3788.6482	7515.000	1270.589844
## 3357 0.077307	3585.6946	7100.001	736.333435
## 3358 0.077072	3778.3970	7509.833	669.465332
## 3359 0.060565	3749.4895	7479.762	926.472717
## 3360 0.116197	3786.2825	7382.012	957.157532
## 3361 0.115833	3444.0698	6651.669	398.007782
## 3362 0.100391	3692.4075	7209.375	814.083801
## 3363 0.119178	3889.8838	7511.609	954.998962
## 3364 0.104000	3334.9922	6454.000	568.186096
## 3365 0.113281	3614.1123	7005.114	839.225830
## 3366 0.108964	3766.6755	7360.856	1264.606567
## 3367 0.111435	3600.8315	6997.729	900.688782
## 3368 0.109810	3771.4832	7323.735	1018.848328
## 3369 0.098920	3686.7244	7196.367	647.629822
## 3370 0.091331	3463.1919	6767.743	1065.530151
## 3371 0.116464	3844.6565	7562.899	1291.508911
## 3372 0.106086	3724.7161	7409.738	1339.620605
## 3373 0.101420	3566.3381	7034.090	1361.562866
## 3374 0.123689	3643.6887	7181.049	909.811584
## 3375 0.110035	3699.2278	7288.380	1352.785767
## 3376 0.099792	3386.5566	6713.334	1228.812744
## 3377 0.095739	3339.6104	6764.395	978.521423
## 3378 0.112946	3373.1262	6597.323	1288.968262
## 3379 0.094500	3241.5837	6494.000	498.384552
## 3380 0.110642	3498.6035	6864.191	1571.301392
## 3381 0.099279	3290.7036	6544.231	744.029846
## 3382 0.090625	3319.7488	6475.001	2247.253418
## 3383 0.089418	3470.7551	7043.183	841.663757
## 3384 0.100474	3418.4509	6793.940	893.047180
## 3385 0.114595	3738.9370	7374.728	1191.033081
## 3386 0.104018	3638.2153	7184.822	1209.043579
## 3387 0.109088	3756.3782	7433.671	1493.290039
## 3388 0.125888	3736.8738	7341.843	1234.225586
## 3389 0.091918	3297.7810	6655.173	642.967102
## 3390 0.122560	3729.3513	7395.240	1459.736450
## 3391 0.118695	3756.0962	7442.982	1595.584229
## 3392 0.078233	3695.7854	7310.345	2111.980957

## 3393 0.074517	3792.5107	7541.237	1401.952271
## 3394 0.067625	3317.7212	6581.000	724.394409
## 3395 0.118714	3788.5386	7372.703	810.084045
## 3396 0.073500	3333.9768	6579.001	963.341553
## 3397 0.096447	3748.6890	7365.753	1019.749451
## 3398 0.069000	3317.7935	6598.000	2072.987061
## 3399 0.087625	3344.9070	6532.000	1036.422119
## 3400 0.105751	3707.9138	7663.685	1086.307251
## 3401 0.087036	2517.3240	7464.850	595.769287
## 3402 0.133270	3773.6289	7376.507	972.799194
## 3403 0.111574	3824.9246	7583.003	1444.739746
## 3404 0.103425	3906.5742	7645.666	1308.515381
## 3405 0.109965	3895.9504	7586.675	1405.567383
## 3406 0.101067	3906.1553	7632.532	1404.379639
## 3407 0.081250	3310.6350	6549.001	952.948120
## 3408 0.115893	3902.1731	7573.281	1657.889038
## 3409 0.098281	3896.8618	7682.999	1238.637085
## 3410 0.101731	3961.7395	7749.576	1566.881714
## 3411 0.124279	3960.3704	7666.520	1510.650513
## 3412 0.111549	3913.8579	7653.267	1535.948242
## 3413 0.104258	3599.9482	7611.660	1143.314575
## 3414 0.119519	3786.6506	7454.166	1486.883301
## 3415 0.115600	3595.0789	7469.958	1149.200195
## 3416 0.117413	3841.7900	7541.863	1442.100952
## 3417 0.117520	3896.5637	7645.973	1305.991089
## 3418 0.098319	3875.6296	7645.319	1708.713013
## 3419 0.094481	3849.2649	7682.969	1425.253906
## 3420 0.088025	3864.4895	7665.777	1559.815308
## 3421 0.083067	3753.8286	7623.985	979.488708
## 3422 0.088509	3738.5486	7604.633	1536.305786
## 3423 0.110029	3769.6643	7568.935	1150.495605
## 3424 0.115759	3680.0908	7337.366	1178.323853
## 3425 0.129661	3784.0552	7441.101	1135.293945
## 3426 0.097849	3873.4937	7613.025	1653.707520
## 3427 0.091268	3865.5195	7627.702	1700.926147
## 3428 0.092496	3888.4421	7676.398	1457.674072
## 3429 0.084273	3871.6384	7680.711	1367.517944
## 3430 0.091549	3835.7600	7578.699	1184.104736
## 3431 0.084968	3737.2581	7613.219	1262.189087
## 3432 0.101140	3863.0969	7643.638	1556.595581
## 3433 0.097935	3833.0952	7583.048	1778.849731
## 3434 0.075551	3759.4751	7709.239	1492.039429
## 3435 0.104643	3599.6804	7484.523	1082.085571
## 3436 0.114435	3876.5486	7641.941	1394.789795
## 3437 0.109375	3595.3860	7278.227	552.231445
## 3438 0.091946	3860.9990	7696.559	1612.824707
## 3439 0.107924	3854.7241	7556.285	1382.288452
## 3440 0.098560	3891.3030	7665.546	1529.371948
## 3441 0.096920	3811.6975	7539.746	1479.069092
## 3442 0.085635	3677.2009	7292.338	976.731995
## 3443 0.095174	3779.9087	7361.709	1716.090332
## 3444 0.085669	3852.6277	7684.686	1534.285767
## 3445 0.100604	3785.9341	7410.795	1253.968628
## 3446 0.053289	3534.6221	7056.579	2280.916992

## 3447 0.100705	3876.2615	7634.003	1365.225830
## 3448 0.090378	3525.9333	6953.289	1390.895630
## 3449 0.087179	3504.0173	6978.846	993.437683
## 3450 0.061775	3500.8862	7398.550	195.098358
## 3451 0.076375	3348.8425	6560.001	2383.720703
## 3452 0.108594	3560.7671	7032.955	672.293579
## 3453 0.092480	3495.7791	6771.877	2271.386963
## 3454 0.174519	3549.5225	6710.257	1328.761597
## 3455 0.082060	3370.8196	6634.259	1607.136475
## 3456 0.094355	3437.8232	6735.484	1147.889893
## 3457 0.104335	3421.6475	6692.745	939.723816
## 3458 0.087054	3338.2319	6688.393	755.474548
## 3459 0.073500	3322.9607	6534.000	1764.703369
## 3460 0.067733	3510.8733	7132.559	305.358246
## 3461 0.086125	3338.9150	6556.000	1234.124268
## 3462 0.081250	3346.2192	6576.000	1337.326538
## 3463 0.087012	2650.8630	6796.093	96.074989
## 3464 0.071339	3515.4944	6982.144	3029.742676
## 3465 0.095579	3618.8403	7031.708	1447.022461
## 3466 0.106932	3700.3691	7245.001	817.958130
## 3467 0.098812	3658.2979	7194.499	959.231689
## 3468 0.122175	3752.5898	7331.167	543.092407
## 3469 0.111367	3775.9106	7396.876	777.053833
## 3470 0.119028	3637.5454	7073.335	620.140625
## 3471 0.124944	3712.6985	7192.412	805.013245
## 3472 0.120493	3688.2520	7172.597	812.071350
## 3473 0.116216	3556.8333	6925.678	841.870605
## 3474 0.131798	3700.5366	7219.737	662.635132
## 3475 0.118449	3788.8352	7414.460	794.384155
## 3476 0.069000	3298.8403	6641.000	865.113892
## 3477 0.080500	3331.1104	6612.001	2666.321289
## 3478 0.070739	2236.5508	7168.181	131.208557
## 3479 0.143611	3316.0063	6906.113	1252.797974
## 3480 0.159206	3520.7156	6743.919	1364.450928
## 3481 0.106757	3579.7058	6857.433	1914.636353
## 3482 0.124125	3377.5190	6344.001	1136.659302
## 3483 0.126270	3517.8735	6655.470	1204.358032
## 3484 0.126273	3717.2227	7007.408	1497.269409
## 3485 0.131250	3438.1074	6528.571	1349.708130
## 3486 0.105750	2768.5713	6426.000	866.546753
## 3487 0.122758	3663.6492	6993.479	1288.878418
## 3488 0.150583	3790.1978	7232.332	1323.238281
## 3489 0.110000	3693.8708	7181.818	1151.829956
## 3490 0.092361	3383.7771	6637.039	843.198242
## 3491 0.109750	3362.9854	6395.000	918.136597
## 3492 0.117123	3835.5610	7455.371	1393.661377
## 3493 0.106302	3707.8237	7180.834	1487.491455
## 3494 0.122243	3503.3777	6732.353	947.086304
## 3495 0.063750	2211.9280	6597.001	166.502228
## 3496 0.078750	3328.5537	6574.000	1468.109009
## 3497 0.107375	3330.4475	6502.000	991.705872
## 3498 0.088995	3790.1536	7459.240	1375.138428
## 3499 0.077264	3722.1626	7390.943	1402.071655
## 3500 0.078437	3710.4963	7322.502	954.783752

## 3501 0.080605	3705.6726	7335.318	988.798706
## 3502 0.080457	3711.4473	7375.371	1221.017700
## 3503 0.099358	3735.5664	7335.615	1477.521973
## 3504 0.084591	3379.5500	6716.381	847.417847
## 3505 0.077106	3611.5098	7154.347	996.821777
## 3506 0.098812	3597.1221	7128.001	1361.442139
## 3507 0.083133	3728.8191	7413.466	1387.007935
## 3508 0.098626	3826.3723	7596.536	1094.756104
## 3509 0.065042	3607.3313	7337.712	1367.728271
## 3510 0.083698	3777.8105	7501.542	1266.531860
## 3511 0.108275	3738.8367	7339.789	1077.178101
## 3512 0.101287	3899.7742	7672.615	1372.208130
## 3513 0.098770	3708.6152	7284.837	1163.431641
## 3514 0.100586	3793.1177	7469.791	827.011963
## 3515 0.080625	3805.0359	7567.045	1171.409302
## 3516 0.089396	3861.4353	7653.398	1189.161865
## 3517 0.087375	3350.0979	6538.001	1656.332397
## 3518 0.105181	3533.3396	6963.816	620.263855
## 3519 0.089875	3333.4382	6550.000	754.210815
## 3520 0.090244	3589.7229	7046.343	847.310791
## 3521 0.096000	3361.1687	6481.001	1771.451782
## 3522 0.091761	3592.1812	7055.113	961.679565
## 3523 0.093260	3653.5562	7183.333	800.723206
## 3524 0.107842	3669.9050	7156.604	894.350891
## 3525 0.095101	3748.6614	7365.541	1181.865356
## 3526 0.098730	3468.0115	6770.313	782.632446
## 3527 0.108750	3583.0347	6940.624	782.842651
## 3528 0.122758	3635.5762	6990.759	800.254700
## 3529 0.082539	3699.9778	7432.188	849.698364
## 3530 0.083894	3663.7498	7233.173	976.785583
## 3531 0.080686	3700.4609	7334.017	801.820251
## 3532 0.065712	3502.1299	7008.333	652.259155
## 3533 0.027371	3372.5063	6849.140	1795.708984
## 3534 0.075632	3763.4104	7503.190	917.885437
## 3535 0.100109	3772.5186	7504.361	717.720825
## 3536 0.080739	3667.7119	7300.000	755.468933
## 3537 0.090077	3681.9983	7309.209	761.200073
## 3538 0.094176	3780.1729	7481.250	764.242859
## 3539 0.097222	3671.3022	7257.872	906.081299
## 3540 0.090430	3725.5352	7326.560	1112.516968
## 3541 0.087198	3706.7539	7331.049	1101.023804
## 3542 0.122414	3698.0017	7162.933	875.207764
## 3543 0.099811	3489.9658	6787.880	1591.482300
## 3544 0.091381	3704.7759	7318.546	1068.565796
## 3545 0.069965	3741.1611	7495.278	1372.947144
## 3546 0.147352	3788.5549	7201.737	994.831543
## 3547 0.114646	3829.2615	7442.174	1231.252197
## 3548 0.092187	3705.0449	7273.708	1124.861938
## 3549 0.096824	3725.7048	7294.262	818.722229
## 3550 0.094632	3792.3777	7450.295	1006.648926
## 3551 0.092021	3653.0959	7167.554	1138.226929
## 3552 0.086573	3921.4573	7745.258	1148.297363
## 3553 0.090867	3828.2961	7547.843	1701.125977
## 3554 0.081539	2577.9419	7530.399	457.495361

## 3555 0.088095	3459.4890	7305.555	1300.089233
## 3556 0.106826	3787.1226	7471.489	1555.791016
## 3557 0.110173	3814.4194	7525.709	1559.430298
## 3558 0.118914	3707.7998	7352.104	1231.162720
## 3559 0.106860	3689.4487	7357.315	1409.197144
## 3560 0.118744	3869.4497	7616.850	1191.071899
## 3561 0.081815	3703.4231	7452.129	1486.993042
## 3562 0.061210	3574.5955	7335.318	1474.338135
## 3563 0.077934	3531.0740	7153.572	1410.767456
## 3564 0.081560	3759.6304	7686.176	1739.274780
## 3565 0.086907	3726.9456	7542.886	1458.411255
## 3566 0.089994	3746.8560	7467.172	1648.775513
## 3567 0.090644	3822.6738	7583.281	1736.061035
## 3568 0.090125	3802.7312	7599.005	1403.394409
## 3569 0.084375	3775.3523	7567.749	1098.339478
## 3570 0.095412	3840.2932	7663.129	1475.459106
## 3571 0.091339	3727.2134	7446.189	1273.847046
## 3572 0.115825	3709.9937	7270.835	1231.584595
## 3573 0.093718	3729.4170	7419.948	1828.924194
## 3574 0.095398	3889.7656	7610.113	1562.688965
## 3575 0.110857	3751.2581	7328.526	1416.740112
## 3576 0.089472	3799.5547	7468.207	1396.104614
## 3577 0.102014	3841.9565	7572.639	1415.673340
## 3578 0.111265	3592.0740	6969.186	1239.883057
## 3579 0.085252	3804.1960	7505.043	1850.834839
## 3580 0.098921	3908.9211	7677.776	1604.059326
## 3581 0.097095	3857.1736	7543.270	1777.161743
## 3582 0.098180	3889.3320	7635.274	1316.071533
## 3583 0.111613	3842.2480	7526.290	1510.854980
## 3584 0.077517	3494.8948	6903.473	1168.377930
## 3585 0.087835	3802.8003	7491.295	1565.401001
## 3586 0.097765	3850.5273	7564.392	1325.540283
## 3587 0.100515	3790.4766	7415.978	1613.483154
## 3588 0.068750	3316.4741	6547.001	846.617737
## 3589 0.077690	3747.1228	7395.255	1638.289062
## 3590 0.117981	3890.3572	7587.541	1385.230957
## 3591 0.093011	3874.2026	7678.988	1494.007202
## 3592 0.080297	3832.9734	7745.347	1648.982178
## 3593 0.077990	3838.2317	7695.039	1253.097046
## 3594 0.085507	3780.4929	7553.152	1381.241455
## 3595 0.092146	3805.8376	7573.026	1603.207886
## 3596 0.097049	3848.4138	7631.717	1413.645996
## 3597 0.101994	3703.1169	7212.932	2217.772217
## 3598 0.089011	3796.2542	7529.509	1164.096680
## 3599 0.086579	3799.2944	7509.375	1683.579834
## 3600 0.097104	3876.3320	7667.454	1404.789307
## 3601 0.113659	3661.9985	7159.680	1516.681274
## 3602 0.114667	3809.0093	7461.169	962.229614
## 3603 0.090770	3760.4426	7502.316	1141.547607
## 3604 0.091458	3859.8606	7675.080	1445.172119
## 3605 0.091506	3558.5022	6980.771	1931.380005
## 3606 0.072461	3468.1567	6836.720	2367.505859
## 3607 0.069043	3400.6628	6852.344	781.142883
## 3608 0.065625	3334.6189	6579.000	1412.129150

## 3609 0.071875	3327.9390	6554.001	1130.981567
## 3610 0.066690	3561.9397	7125.002	368.528687
## 3611 0.061992	3739.7568	7455.938	1429.354858
## 3612 0.065875	3303.4177	6605.000	534.447632
## 3613 0.069609	3528.5693	7034.376	1519.935059
## 3614 0.086597	3412.6021	7050.000	778.425598
## 3615 0.075240	3460.0698	6971.155	1401.447998
## 3616 0.145410	3488.8403	6617.970	1316.168945
## 3617 0.098480	3433.9824	6865.542	540.254944
## 3618 0.111786	3790.5740	7421.665	1250.719116
## 3619 0.096260	3544.7161	7537.500	905.334961
## 3620 0.141980	3816.9595	7264.460	1316.312500
## 3621 0.136750	3369.0249	6340.000	551.587708
## 3622 0.150694	3643.5820	6974.445	819.130249
## 3623 0.140465	3583.2522	6886.537	776.590576
## 3624 0.158611	3652.8081	6901.667	727.508789
## 3625 0.089799	3776.9170	7449.425	2162.503174
## 3626 0.092821	3534.1138	6950.678	1244.317505
## 3627 0.066820	3455.2778	6939.708	970.388184
## 3628 0.095144	3714.1606	7323.078	1884.765381
## 3629 0.085250	3314.1074	6556.000	1123.686646
## 3630 0.073495	3364.3171	6659.259	1091.341431
## 3631 0.078000	3330.0513	6552.999	1694.619141
## 3632 0.075116	3756.9468	7452.468	1295.000366
## 3633 0.066046	3624.6570	7258.655	1629.575806
## 3634 0.072629	3420.0344	6734.483	1200.664551
## 3635 0.092245	3567.5498	7204.627	555.112488
## 3636 0.087331	3560.6030	6938.516	1779.233154
## 3637 0.103975	3869.3464	7549.998	1204.941040
## 3638 0.102316	3872.8984	7530.571	1417.842651
## 3639 0.105750	3363.0083	6459.001	1298.751953
## 3640 0.108875	3368.0750	6432.000	1532.143799
## 3641 0.059014	3297.7920	6655.770	1601.123901
## 3642 0.083785	3780.6440	7499.724	1439.037598
## 3643 0.059970	3586.5225	7132.145	1287.964478
## 3644 0.075351	3754.8931	7491.294	1288.757690
## 3645 0.115923	3768.5828	7354.465	1078.131958
## 3646 0.103163	3772.2029	7382.928	1230.118774
## 3647 0.085313	3353.8406	6733.334	1322.785522
## 3648 0.087835	3605.2495	7262.053	1066.343262
## 3649 0.090048	3758.7983	7617.412	1203.884033
## 3650 0.091375	3345.2190	6558.001	801.453979
## 3651 0.118750	3736.0635	7234.091	569.830505
## 3652 0.082386	3493.6948	6868.939	988.566162
## 3653 0.111416	3815.1870	7413.268	896.869385
## 3654 0.126181	3644.0708	6937.222	1045.651367
## 3655 0.108053	3667.4658	7109.617	744.459778
## 3656 0.114224	3799.4897	7396.550	1286.833008
## 3657 0.112729	3579.5537	6951.829	774.340515
## 3658 0.112601	3802.3188	7376.076	999.794922
## 3659 0.092969	3405.2271	6634.823	653.331360
## 3660 0.100208	3628.2275	7065.556	708.376709
## 3661 0.102408	3712.2163	7259.837	895.495056
## 3662 0.103922	3632.1379	7195.588	1643.749023

## 3663 0.046236	3628.8481	7213.069	3641.444580
## 3664 0.063089	3715.0764	7389.491	1333.767822
## 3665 0.074554	3595.5308	7215.818	1143.604736
## 3666 0.048375	3279.6694	6636.001	1433.250366
## 3667 0.080777	3449.5356	6868.183	857.009216
## 3668 0.075110	3648.9180	7296.491	1274.213867
## 3669 0.067347	3618.5264	7206.633	1366.578247
## 3670 0.058538	3649.6128	7311.606	1225.367920
## 3671 0.060595	3544.1699	7093.902	1097.682739
## 3672 0.050379	3778.2305	7577.524	1275.070923
## 3673 0.074145	3777.3665	7504.736	1425.888306
## 3674 0.088980	3779.1562	7475.528	1129.321655
## 3675 0.081681	3414.6514	6765.519	926.276489
## 3676 0.096161	3795.3853	7509.522	1239.803833
## 3677 0.090762	3812.2266	7537.937	1338.503662
## 3678 0.055280	3670.3870	7346.121	1744.360962
## 3679 0.062113	3788.1401	7555.414	1379.999634
## 3680 0.066000	3317.0762	6615.001	1186.691895
## 3681 0.094864	3771.4817	7443.966	1041.434937
## 3682 0.081875	3350.2864	6552.001	2596.547852
## 3683 0.085606	3887.9128	7696.683	1315.014893
## 3684 0.100036	3906.2375	7666.157	1318.648193
## 3685 0.113434	3809.8660	7455.931	1213.850098
## 3686 0.101984	3725.4475	7307.541	988.161194
## 3687 0.095281	3786.2168	7448.751	786.271179
## 3688 0.101316	3849.0447	7494.078	1904.258179
## 3689 0.118532	3868.7876	7494.379	1073.168945
## 3690 0.116797	3804.8115	7341.875	1387.377441
## 3691 0.110459	3663.0288	7102.553	1086.312134
## 3692 0.098911	3858.7876	7550.759	1222.818848
## 3693 0.094638	3810.8127	7466.052	1155.498779
## 3694 0.098072	3640.2397	7099.468	1012.406128
## 3695 0.103278	3931.3789	7668.369	1446.638794
## 3696 0.098514	3918.6296	7640.319	2129.214844
## 3697 0.102947	3317.0671	7671.991	1160.158569
## 3698 0.097590	3862.1404	7647.363	1178.124878
## 3699 0.096737	3879.2227	7612.995	1635.669067
## 3700 0.104959	3762.8359	7429.621	1378.678833
## 3701 0.076019	3770.3076	7465.763	1428.260620
## 3702 0.074920	3673.1758	7338.461	1485.385376
## 3703 0.067857	3773.0400	7518.114	1158.875000
## 3704 0.061097	3567.3513	7209.183	730.270447
## 3705 0.063117	3693.0000	7444.738	2659.778320
## 3706 0.073132	3852.5486	7756.221	1782.318359
## 3707 0.083198	3873.3623	7684.678	1680.389160
## 3708 0.102396	3855.5015	7543.167	1670.481079
## 3709 0.108488	3854.2893	7544.520	1396.182617
## 3710 0.127885	3672.5286	7040.386	1153.696167
## 3711 0.117931	3810.8320	7362.865	1357.969116
## 3712 0.116577	3888.6899	7540.609	1686.296875
## 3713 0.094194	3905.9470	7706.682	1478.409912
## 3714 0.099833	3874.5603	7653.987	1328.643799
## 3715 0.115013	3889.5444	7574.901	1222.183594
## 3716 0.099261	3813.0142	7486.833	1515.226074

## 3717 0.124466	3792.6899	7458.072	1568.930786
## 3718 0.100813	3762.2119	7500.171	1002.145386
## 3719 0.101814	3915.1206	7686.518	1599.577148
## 3720 0.098813	3863.8892	7589.122	1456.857666
## 3721 0.090948	3434.4390	6668.967	1702.663574
## 3722 0.066984	3842.8916	7647.831	1317.184326
## 3723 0.067983	3647.3691	7253.775	1117.223267
## 3724 0.083681	3659.9932	7286.113	1176.454224
## 3725 0.101243	3850.8721	7579.825	1562.155396
## 3726 0.076069	3521.7212	7034.870	569.346191
## 3727 0.086429	3504.7642	6942.858	1239.796387
## 3728 0.070949	2007.8104	6532.408	282.608704
## 3729 0.080750	3337.5942	6567.001	1192.111816
## 3730 0.097894	3612.9583	7098.371	1539.756104
## 3731 0.091542	3742.7756	7366.670	1186.618896
## 3732 0.073580	3669.7300	7275.912	1543.375854
## 3733 0.070718	3374.1211	6675.000	1027.960205
## 3734 0.070375	3332.9080	6577.000	1224.985352
## 3735 0.081818	3819.9512	7585.121	1065.016968
## 3736 0.092604	3686.3223	7262.918	1335.734863
## 3737 0.095221	3499.0188	6854.415	1436.441650
## 3738 0.082875	3292.3928	6532.002	709.088867
## 3739 0.085875	3326.0645	6546.000	1010.982361
## 3740 0.072000	3334.3503	6570.000	1251.157715
## 3741 0.101311	3750.7622	7430.646	1228.255981
## 3742 0.069853	3712.2656	7413.236	1374.387207
## 3743 0.073309	3572.6099	7315.163	950.720642
## 3744 0.100706	3680.0776	7229.436	1181.301758
## 3745 0.082212	3420.5295	7030.769	592.232361
## 3746 0.080625	3235.1826	6531.001	1628.059570
## 3747 0.095125	3349.9209	6514.000	1064.237305
## 3748 0.107068	3610.7009	6995.833	1942.163940
## 3749 0.098651	3625.1140	7052.840	1373.692261
## 3750 0.097151	3523.2529	6822.060	1270.775146
## 3751 0.105496	3443.8994	6645.691	1419.402466
## 3752 0.092571	3661.0076	7202.359	918.648315
## 3753 0.098047	3784.1179	7398.125	1269.081909
## 3754 0.099397	3710.5835	7221.492	1356.451050
## 3755 0.093828	3584.9111	7007.500	1116.569092
## 3756 0.100399	3643.6292	7099.469	1208.093384
## 3757 0.091406	3620.0605	7101.138	1147.753784
## 3758 0.112800	3774.2085	7327.740	1327.307495
## 3759 0.101027	3754.8906	7358.905	1241.097046
## 3760 0.076109	3449.5923	6820.162	818.180115
## 3761 0.070898	3682.9646	7370.312	610.001038
## 3762 0.083861	3727.7319	7391.440	1678.528076
## 3763 0.061746	3413.5669	6764.658	1085.806885
## 3764 0.107181	3625.5796	7125.000	963.577698
## 3765 0.096620	3648.2539	7151.531	1056.207764
## 3766 0.105489	3725.7561	7371.158	1105.375977
## 3767 0.100374	3872.3687	7603.741	1245.223511
## 3768 0.082004	3673.6628	7286.637	1369.779297
## 3769 0.095973	3799.7461	7471.390	1095.322876
## 3770 0.104445	3748.2615	7373.239	1064.232300

## 3771 0.102888	3890.5854	7630.135	2031.624146
## 3772 0.112547	3870.3794	7483.270	1080.953125
## 3773 0.107569	3594.0005	7037.223	1109.913818
## 3774 0.107955	3736.5647	7273.485	1805.508301
## 3775 0.104871	3745.8684	7277.573	1111.298706
## 3776 0.095486	3724.9507	7347.573	1397.471680
## 3777 0.087699	3810.0588	7529.318	1773.186035
## 3778 0.104408	3811.2144	7458.681	1354.494385
## 3779 0.108426	3771.1287	7379.114	888.444885
## 3780 0.109302	3612.3599	7034.884	1198.735352
## 3781 0.095696	3831.6194	7525.234	2146.997559
## 3782 0.124964	3889.2483	7581.180	1179.511475
## 3783 0.108500	3318.4019	6482.001	1379.694458
## 3784 0.089676	3855.3081	7690.474	1158.379272
## 3785 0.099597	3713.4087	7292.337	1439.642090
## 3786 0.104638	3810.6150	7441.053	1168.911987
## 3787 0.101989	3821.2925	7487.498	985.687256
## 3788 0.109618	3889.4587	7596.727	1003.936829
## 3789 0.122727	3694.1694	7119.090	842.587097
## 3790 0.090750	3625.0854	7356.001	1095.307739
## 3791 0.117969	3594.1848	7009.092	1370.649658
## 3792 0.093552	3653.1885	7356.014	944.440613
## 3793 0.116534	3656.0938	7133.183	1774.113037
## 3794 0.095161	3386.9773	6737.904	1088.017090
## 3795 0.120576	3833.7109	7557.240	1271.006348
## 3796 0.113059	3695.2878	7376.842	1045.319702
## 3797 0.102415	3560.9197	7013.069	1445.116333
## 3798 0.098488	3644.0757	7227.822	1520.014404
## 3799 0.113160	3654.4941	7270.070	922.932434
## 3800 0.100000	3403.5154	6716.667	1166.470459
## 3801 0.111648	3412.7461	6748.484	824.141846
## 3802 0.098437	3382.1992	6635.716	1180.862549
## 3803 0.090000	3263.5857	6498.000	981.401489
## 3804 0.086149	3450.5540	6930.406	1132.950439
## 3805 0.094351	3328.9099	6552.884	1282.687256
## 3806 0.095250	3300.1538	6494.001	1645.726074
## 3807 0.127060	3560.3210	6981.252	1278.308838
## 3808 0.117463	3420.3215	6763.236	543.765625
## 3809 0.111806	3714.9553	7364.726	1411.817383
## 3810 0.121038	3594.9395	7118.749	1311.584351
## 3811 0.134830	3631.1355	7114.547	1376.062622
## 3812 0.104753	3546.8599	7073.438	927.727783
## 3813 0.069900	2250.0693	7407.783	303.905518
## 3814 0.114524	3858.3579	7591.306	1508.786743
## 3815 0.113775	3832.3875	7533.879	1358.069702
## 3816 0.100705	3876.6582	7650.325	1579.507568
## 3817 0.088008	3884.0967	7752.874	1442.479248
## 3818 0.084160	3809.0667	7631.750	1703.239258
## 3819 0.086101	3849.1455	7679.335	1250.888062
## 3820 0.070192	3717.9160	7488.463	1643.880249
## 3821 0.089703	3833.8420	7657.718	1229.195435
## 3822 0.091444	3847.2942	7697.496	1206.696045
## 3823 0.110568	3889.0176	7582.821	1342.548950
## 3824 0.119739	3822.6628	7487.663	904.132751

## 3825 0.108257	3774.5757	7374.734	1201.013916
## 3826 0.119199	3841.2742	7520.347	1258.123779
## 3827 0.130343	3779.9941	7309.138	1014.422974
## 3828 0.108389	3900.1426	7619.857	1704.146606
## 3829 0.107802	3869.4641	7654.410	1052.753540
## 3830 0.102998	3855.7966	7564.471	1395.114990
## 3831 0.099396	3926.5894	7729.244	1627.308105
## 3832 0.097318	3861.0183	7659.061	1607.048828
## 3833 0.080307	3730.7600	7540.305	1557.354858
## 3834 0.084515	3693.6675	7330.969	1155.935913
## 3835 0.099289	3833.1431	7584.582	1223.205811
## 3836 0.101135	3880.3125	7584.779	1426.535400
## 3837 0.086927	3663.0525	7269.581	1502.726807
## 3838 0.076498	3890.9766	7792.120	853.761230
## 3839 0.076955	3718.5056	7628.681	963.814636
## 3840 0.094471	3905.2336	7715.156	1625.940796
## 3841 0.098510	3813.7373	7549.230	1458.398193
## 3842 0.084892	3846.2131	7693.015	1462.850830
## 3843 0.118659	3698.8176	7229.712	1004.460632
## 3844 0.111186	3894.1523	7609.982	1425.179810
## 3845 0.113319	3838.9551	7520.349	1797.472656
## 3846 0.108676	3754.1616	7367.059	1351.882324
## 3847 0.095383	3817.0994	7639.303	1168.399658
## 3848 0.102887	3743.9275	7416.848	1210.852783
## 3849 0.100664	3845.8447	7544.522	1442.986084
## 3850 0.089971	3858.3357	7654.918	1349.589722
## 3851 0.086663	3897.6487	7746.070	1662.983398
## 3852 0.078017	3849.5906	7689.332	1386.304565
## 3853 0.087410	3829.4363	7627.445	1260.536011
## 3854 0.076935	3697.1143	7305.953	1963.384033
## 3855 0.107386	3813.7568	7446.136	1109.422729
## 3856 0.084523	3853.7368	7616.566	1895.202393
## 3857 0.083832	3735.3657	7477.173	920.098145
## 3858 0.086523	3620.4824	7157.291	1472.783203
## 3859 0.090916	3584.3359	7058.140	1046.114258
## 3860 0.086619	3523.6631	7006.411	938.430420
## 3861 0.082340	3584.4534	7075.000	1385.144653
## 3862 0.064342	3509.9604	7284.375	260.790375
## 3863 0.066771	2991.0200	6790.834	286.599579
## 3864 0.074677	3398.1150	6761.208	803.975342
## 3865 0.080114	2689.8608	6827.273	300.052521
## 3866 0.084673	2265.0254	6975.595	873.150085
## 3867 0.125355	3636.3457	7003.408	1771.411865
## 3868 0.100500	3335.5220	6549.000	2309.445557
## 3869 0.151750	3361.0129	6377.001	1178.767456
## 3870 0.143250	3376.1848	6418.000	1018.159851
## 3871 0.125703	3612.2605	6937.500	1179.307495
## 3872 0.102250	3367.7371	6485.000	1245.842529
## 3873 0.109375	3604.1931	7013.690	1676.913330
## 3874 0.120000	3363.8149	6440.000	972.889587
## 3875 0.153625	3369.6411	6420.000	699.196472
## 3876 0.116406	3438.9670	6633.039	1241.250000
## 3877 0.116955	3653.6421	7079.788	736.365601
## 3878 0.109028	3557.6941	6902.085	1415.197266

## 3879 0.127500	3339.0127	6476.000	1369.092041
## 3880 0.095750	3327.9436	6557.001	1048.736938
## 3881 0.114286	3695.0901	7221.876	1226.008057
## 3882 0.124864	3642.6660	7034.239	1503.839844
## 3883 0.116947	3367.0066	6550.001	994.107361
## 3884 0.132125	3342.5405	6489.002	880.641846
## 3885 0.105948	3462.3362	6769.357	961.184875
## 3886 0.090556	3618.1809	7111.667	1176.062500
## 3887 0.101491	3547.2454	7061.365	1168.328613
## 3888 0.089663	2792.7058	6553.847	828.489014
## 3889 0.082639	3396.6526	6639.815	1345.097046
## 3890 0.090625	3742.0923	7350.356	1323.991943
## 3891 0.082750	3349.9653	6529.001	741.660583
## 3892 0.071875	3392.8079	6656.481	1012.555969
## 3893 0.103906	3539.5178	6893.751	1092.130005
## 3894 0.089560	3604.2148	7091.477	1045.375732
## 3895 0.091312	3889.4995	7627.883	1326.146851
## 3896 0.110391	3791.5496	7371.250	1178.726685
## 3897 0.104348	3637.2954	7077.175	1413.560059
## 3898 0.094125	3355.4924	6533.000	921.531311
## 3899 0.091750	3350.4290	6506.000	679.248474
## 3900 0.083625	3352.9043	6542.999	1308.065918
## 3901 0.090868	3809.9097	7448.890	1359.739990
## 3902 0.099479	3488.8503	7018.453	1274.186646
## 3903 0.111493	3798.8997	7421.389	761.599731
## 3904 0.106957	3799.8733	7378.573	1008.618164
## 3905 0.113927	3778.3289	7331.175	845.985535
## 3906 0.098125	3452.9636	6692.502	1038.884766
## 3907 0.120990	3905.9910	7575.888	988.670959
## 3908 0.079500	3334.2222	6530.999	780.126831
## 3909 0.117356	3740.1814	7221.924	957.046631
## 3910 0.102557	3497.1680	6795.455	700.408508
## 3911 0.108460	3823.4287	7454.292	960.023865
## 3912 0.071023	3580.2051	7186.932	2588.149902
## 3913 0.040330	3657.7456	7338.681	2777.405273
## 3914 0.078961	3750.6174	7449.130	1337.228149
## 3915 0.067988	3542.4023	7079.270	1556.289917
## 3916 0.076042	3758.8716	7521.241	1229.712280
## 3917 0.066853	3393.4165	6707.144	1248.857178
## 3918 0.062908	3599.9656	7180.436	1213.628662
## 3919 0.055417	3656.7454	7357.916	1173.493042
## 3920 0.032659	3589.5007	7308.334	1502.469482
## 3921 0.060582	3608.3523	7159.657	918.848206
## 3922 0.077455	3732.8137	7370.356	1544.399902
## 3923 0.076302	3595.1511	7163.543	1126.839478
## 3924 0.064303	3349.9871	6635.578	1012.590942
## 3925 0.083594	3463.9036	6849.221	904.481934
## 3926 0.089474	3663.8203	7280.265	1212.022339
## 3927 0.098500	3641.0444	7153.001	1128.422119
## 3928 0.094643	3668.2285	7248.662	1201.979980
## 3929 0.075000	3565.6145	7078.657	1285.312866
## 3930 0.081124	3791.7744	7518.686	1531.290649
## 3931 0.039763	3400.5830	6818.967	1589.176758
## 3932 0.051875	3316.6960	6634.001	1267.898926

## 3933 0.045125	3295.9719	6643.001	1097.705078
## 3934 0.066562	3558.7017	7074.375	988.983398
## 3935 0.068250	3301.5618	6619.001	1154.534668
## 3936 0.103000	3796.5376	7470.251	901.975037
## 3937 0.147569	3563.6926	6786.806	492.179657
## 3938 0.147243	3535.8420	6741.177	360.150238
## 3939 0.076709	3721.0000	7376.954	1249.052856
## 3940 0.085125	3347.1182	6557.000	1210.577881
## 3941 0.064844	3400.5649	6738.396	899.649841
## 3942 0.073250	3349.1121	6569.000	1668.692749
## 3943 0.103858	3780.9353	7355.556	958.631226
## 3944 0.109255	3690.0129	7116.829	1171.146729
## 3945 0.106250	3421.6047	6582.143	1297.392456
## 3946 0.076534	3674.7239	7270.452	1515.293213
## 3947 0.077517	3518.5420	6984.027	1389.409424
## 3948 0.076172	3826.4849	7618.565	1321.916626
## 3949 0.109083	3848.2380	7527.876	1176.839111
## 3950 0.102720	3651.2041	7207.871	1051.165161
## 3951 0.114246	3333.7664	6829.413	297.692017
## 3952 0.078625	3312.2681	6555.001	1216.585083
## 3953 0.056500	3289.6987	6624.000	1071.577026
## 3954 0.081304	3691.6672	7286.637	1345.620605
## 3955 0.077961	3490.9309	6977.630	1301.030518
## 3956 0.068319	3036.8567	6687.933	1539.650391
## 3957 0.110585	3496.0811	6616.937	2495.356201
## 3958 0.113672	3507.1443	6633.595	1760.784180
## 3959 0.077058	3577.8147	7017.683	2162.410156
## 3960 0.084073	3465.9463	6806.453	968.785278
## 3961 0.057083	3427.8149	6853.335	1665.935059
## 3962 0.068125	3331.0439	6591.001	1437.345215
## 3963 0.089967	3530.3706	7000.658	898.216187
## 3964 0.099000	3327.7026	6492.001	832.388062
## 3965 0.063707	3567.9358	7160.226	1046.053833
## 3966 0.085895	3530.1960	6915.542	809.414978
## 3967 0.087639	3847.6567	7592.963	1147.187256
## 3968 0.111017	3695.6218	7244.069	973.135925
## 3969 0.084273	3683.3792	7317.212	1236.786133
## 3970 0.093077	3705.3157	7338.077	1074.709106
## 3971 0.120608	3565.2654	6798.650	671.094849
## 3972 0.106660	3817.2100	7489.754	1009.222778
## 3973 0.078559	2660.4856	7523.610	520.219299
## 3974 0.109737	3743.7446	7286.231	1332.284180
## 3975 0.114103	3576.7871	6916.026	1259.632812
## 3976 0.099599	3797.8467	7473.393	1394.244629
## 3977 0.095680	3513.4167	6799.267	2076.899902
## 3978 0.113528	3862.3804	7523.491	1445.712402
## 3979 0.124856	3914.7869	7587.505	1570.529175
## 3980 0.104472	3819.0825	7463.762	1395.862305
## 3981 0.100051	3709.4854	7233.195	1439.280396
## 3982 0.092748	3853.5291	7603.616	1566.061768
## 3983 0.105654	3946.4197	7715.913	1489.931641
## 3984 0.107912	3925.9106	7623.243	1579.275879
## 3985 0.111216	3930.4675	7633.050	1503.841675
## 3986 0.110792	3912.0999	7573.890	1492.547241

## 3987 0.107934	3937.2136	7645.910	1619.889648
## 3988 0.094207	3585.2844	7010.975	1245.389893
## 3989 0.107316	3968.5420	7717.836	1591.354370
## 3990 0.110513	3921.8491	7632.990	1472.923828
## 3991 0.103447	3935.8928	7667.501	1571.219238
## 3992 0.086393	3630.6201	7115.625	1107.954224
## 3993 0.098330	3760.1199	7331.510	1547.020508
## 3994 0.098804	3837.5708	7478.917	1515.847046
## 3995 0.079937	3737.1277	7368.842	1220.256836
## 3996 0.122815	3917.1187	7616.420	1277.655029
## 3997 0.128820	3842.8655	7380.130	957.670105
## 3998 0.134585	3938.2742	7578.880	1186.993042
## 3999 0.123348	3928.3560	7573.559	1339.394409
## 4000 0.120568	3947.9485	7616.453	1549.655029
## 4001 0.125039	3763.7119	7254.939	1312.348633
## 4002 0.118823	3926.8835	7629.921	1397.106567
## 4003 0.097773	3733.2412	7373.439	1511.606934
## 4004 0.089453	3526.4341	7118.750	1603.192139
## 4005 0.095833	3686.8677	7312.877	2062.774414
## 4006 0.096956	3738.0010	7360.391	1378.420532
## 4007 0.115053	3671.2229	7307.318	841.522095
## 4008 0.124491	3819.9106	7470.929	1200.163208
## 4009 0.109807	3830.7910	7556.343	987.443542
## 4010 0.110491	3838.9629	7488.962	1374.888062
## 4011 0.097363	3871.5857	7690.123	1456.219604
## 4012 0.081321	3790.6624	7625.430	1667.413818
## 4013 0.089172	3858.7925	7726.578	1772.031982
## 4014 0.079483	3820.3669	7680.383	1720.858887
## 4015 0.085100	3838.4719	7673.523	1833.497681
## 4016 0.090800	3837.4341	7623.477	1768.197266
## 4017 0.083279	3847.0786	7634.951	1479.793213
## 4018 0.095266	3876.9080	7697.387	1407.801147
## 4019 0.086501	3849.3215	7701.093	1530.315674
## 4020 0.088535	3855.7722	7700.828	1615.380615
## 4021 0.087094	3837.3687	7715.626	1456.346680
## 4022 0.087652	3841.1204	7681.931	1715.291504
## 4023 0.096380	3804.1802	7529.854	1696.697144
## 4024 0.068366	3612.6616	7279.385	1572.487061
## 4025 0.086264	3782.3423	7560.448	1736.641846
## 4026 0.091741	3837.4209	7572.728	1661.814697
## 4027 0.086705	3880.2280	7713.930	1740.883545
## 4028 0.084392	3844.3779	7719.608	1689.355103
## 4029 0.085484	3790.6416	7625.403	1446.777100
## 4030 0.087132	3674.1016	7323.897	1436.467651
## 4031 0.094394	3761.4414	7404.124	1373.702271
## 4032 0.099389	3806.9568	7535.775	1408.356934
## 4033 0.094503	3821.9729	7604.061	1758.765015
## 4034 0.087284	3818.7371	7577.415	2165.677246
## 4035 0.089811	3877.4761	7717.259	1854.859375
## 4036 0.091583	3839.0137	7622.524	1579.876587
## 4037 0.085974	3796.2739	7617.151	1801.377441
## 4038 0.070313	3357.5498	6707.144	1333.535400
## 4039 0.092703	3887.4600	7713.819	1718.571655
## 4040 0.108343	3910.3281	7706.197	1527.224365

## 4041 0.119057	3666.0308	7181.148	1048.755737
## 4042 0.113123	3895.9038	7629.518	1524.956665
## 4043 0.120804	3783.5288	7404.397	1287.081909
## 4044 0.123553	3930.7192	7641.398	1678.493896
## 4045 0.093750	3517.6719	6765.911	2389.748047
## 4046 0.126458	3857.6555	7553.112	1254.677002
## 4047 0.119535	3921.1406	7649.359	1495.783569
## 4048 0.113702	3716.4448	7247.692	1105.362183
## 4049 0.083224	3562.2415	6962.500	1825.322266
## 4050 0.080688	3622.7400	7174.999	2392.499512
## 4051 0.083635	3523.1050	6969.739	1220.516602
## 4052 0.096250	3347.7864	6485.000	1428.651367
## 4053 0.106490	3585.5024	6932.052	1578.353760
## 4054 0.074000	3303.7078	6578.000	1064.264893
## 4055 0.082102	3484.3179	6834.093	1238.583374
## 4056 0.050361	3259.0527	6671.154	103.522453
## 4057 0.075864	3558.5774	7192.552	695.489441
## 4058 0.078000	3316.1785	6603.000	1271.572144
## 4059 0.087099	3567.9651	7010.898	730.536499
## 4060 0.077625	3313.7207	6594.000	450.669739
## 4061 0.051125	1438.3433	6440.000	9.498054
## 4062 0.041750	3377.7815	6678.000	4033.290527
## 4063 0.055762	3495.0833	6950.782	2559.197021
## 4064 0.076398	3539.5474	7036.844	1024.992188
## 4065 0.075810	3383.1201	6664.816	1045.204590
## 4066 0.065500	3324.4131	6591.000	1524.250854
## 4067 0.084954	3395.2373	6642.593	755.877686
## 4068 0.077662	3389.3411	6664.814	1200.693115
## 4069 0.071750	3325.0977	6604.001	740.731201
## 4070 0.073958	3387.2449	6679.630	1906.643799
## 4071 0.087750	3351.1218	6570.000	766.647400
## 4072 0.075868	3533.1829	6968.056	1168.912720
## 4073 0.069554	3522.0520	6960.001	1465.892700
## 4074 0.063574	3472.5898	6892.189	1141.018799
## 4075 0.071652	3405.7744	6739.287	697.428101
## 4076 0.085833	3430.4006	6782.501	1906.007812
## 4077 0.100375	3330.7058	6530.000	996.059387
## 4078 0.098684	3556.9622	7011.186	876.628601
## 4079 0.071205	3566.0347	7130.952	1182.600220
## 4080 0.104806	3895.4497	7650.507	1056.109863
## 4081 0.092788	3344.5640	6902.564	2772.083252
## 4082 0.093337	3706.9387	7162.738	1255.059570
## 4083 0.094231	3599.4187	6991.668	1468.285645
## 4084 0.085750	3350.7976	6543.000	778.924622
## 4085 0.082143	3407.4463	6675.894	1634.859985
## 4086 0.089904	3378.5566	6576.925	1746.741577
## 4087 0.090500	3361.5608	6507.000	805.992615
## 4088 0.075962	3361.4590	6586.539	1565.676025
## 4089 0.070486	3402.5522	6620.371	1668.596924
## 4090 0.096094	3436.7036	6643.752	1239.060303
## 4091 0.101471	3520.5984	6834.560	840.685974
## 4092 0.081027	3269.6006	6699.108	1298.533813
## 4093 0.098500	3300.5757	6555.000	1322.552246
## 4094 0.081000	3292.9080	6576.000	1610.349121

## 4095 0.084375	3364.4297	6599.039	1512.315063
## 4096 0.094355	3450.4854	6763.710	648.462280
## 4097 0.081142	3441.3879	6747.415	1199.261353
## 4098 0.087224	3521.5730	6881.619	1078.005615
## 4099 0.110455	3705.2305	7185.000	1085.362305
## 4100 0.084291	3560.1255	6990.541	1229.463379
## 4101 0.083073	3545.8042	6949.307	1361.196777
## 4102 0.099250	3350.1353	6546.001	1120.500244
## 4103 0.090625	3343.7302	6563.002	1239.186035
## 4104 0.092245	3400.4565	6643.519	963.664368
## 4105 0.083777	3831.5330	7511.437	2121.817871
## 4106 0.097917	3396.5828	6652.779	919.320068
## 4107 0.077344	3486.9285	6850.783	1083.922241
## 4108 0.101348	3670.1851	7189.708	1054.828613
## 4109 0.130173	3880.8286	7546.790	757.923889
## 4110 0.095968	3445.2131	6812.099	882.855286
## 4111 0.097875	3352.6697	6542.000	1022.697754
## 4112 0.122917	3580.5396	6958.334	576.598633
## 4113 0.120125	3358.3689	6480.002	636.870667
## 4114 0.098875	3355.8621	6504.000	928.047241
## 4115 0.079506	3635.4514	7114.534	3213.817871
## 4116 0.109620	3683.0969	7149.510	1142.406250
## 4117 0.104803	3816.8210	7483.161	1147.038330
## 4118 0.079770	3779.0896	7513.420	1004.530090
## 4119 0.071336	3407.0874	6770.691	551.254150
## 4120 0.078809	3803.0066	7567.380	672.108337
## 4121 0.068942	3749.1907	7554.171	1163.383667
## 4122 0.076589	3696.9255	7319.916	1575.280884
## 4123 0.075521	3801.3647	7529.428	1266.283936
## 4124 0.072625	3320.8669	6567.000	776.045532
## 4125 0.117294	3794.2620	7385.512	831.530945
## 4126 0.082875	3352.9358	6554.000	1055.273926
## 4127 0.095095	3894.9038	7656.056	1447.030273
## 4128 0.107380	3906.8193	7658.083	1286.218628
## 4129 0.106186	3824.6516	7433.766	1137.778320
## 4130 0.109871	3742.9917	7245.237	1187.431519
## 4131 0.118500	3839.3228	7419.751	1223.020386
## 4132 0.116842	3851.4077	7454.423	1217.821777
## 4133 0.092524	3853.6401	7568.271	1197.883911
## 4134 0.101211	3790.8889	7381.875	1199.707031
## 4135 0.097832	3660.4355	7115.307	1229.706665
## 4136 0.106898	3875.5193	7525.004	1230.053223
## 4137 0.108838	3742.5256	7226.173	1499.967896
## 4138 0.087457	3741.1770	7362.673	1274.499146
## 4139 0.080711	3403.6526	6731.035	995.686768
## 4140 0.080027	3628.7539	7108.151	1758.671387
## 4141 0.093878	3663.1108	7137.246	1452.285645
## 4142 0.102967	3797.2168	7381.329	1314.132690
## 4143 0.092413	3868.3352	7638.555	2288.478271
## 4144 0.085275	3672.2932	7292.374	1213.234619
## 4145 0.106184	3798.8135	7446.053	1080.564331
## 4146 0.107149	3720.8206	7321.916	1373.629272
## 4147 0.092813	3565.6089	6998.124	816.577759
## 4148 0.095052	3648.2566	7135.416	1687.586182

## 4149 0.092482	3652.1821	7721.739	1066.326416
## 4150 0.099144	3810.0405	7589.883	1336.020874
## 4151 0.104873	3650.3350	7206.355	1950.117432
## 4152 0.104828	3817.9890	7509.653	1259.138672
## 4153 0.077465	3311.6086	7371.127	763.564087
## 4154 0.108192	3771.8079	7456.556	1729.515381
## 4155 0.100309	3742.1792	7407.693	1350.580200
## 4156 0.121237	3876.6267	7591.564	1329.829102
## 4157 0.122533	3479.5098	7465.601	895.643311
## 4158 0.123674	3332.7397	7235.984	1157.280518
## 4159 0.047276	3475.7236	7069.228	1860.086548
## 4160 0.064724	3769.9436	7546.878	1466.167358
## 4161 0.071668	3823.7607	7625.662	1210.326416
## 4162 0.091612	3533.2263	6925.000	851.697937
## 4163 0.100701	3808.9385	7475.934	1383.346436
## 4164 0.160331	3772.4270	7363.640	1312.068604
## 4165 0.154621	3703.5315	7448.486	1298.747803
## 4166 0.136816	3746.6282	7434.765	1054.718506
## 4167 0.135221	3858.0178	7509.558	1278.815063
## 4168 0.069774	3602.1309	7300.430	1106.174316
## 4169 0.076667	3691.2124	7307.083	1523.083496
## 4170 0.083946	3767.6660	7657.822	1466.005371
## 4171 0.122500	3313.8303	6440.001	1283.022583
## 4172 0.138432	3639.5906	7113.158	1631.999023
## 4173 0.122455	3757.4839	7395.360	1198.642822
## 4174 0.116286	3662.8059	7134.134	1153.004639
## 4175 0.110243	3509.7422	6900.695	1083.719727
## 4176 0.138859	3841.9321	7464.312	1261.766724
## 4177 0.113409	3696.8586	7130.000	1197.024780
## 4178 0.170785	3619.1843	6879.072	342.307068
## 4179 0.133184	3684.8489	7328.276	1012.748840
## 4180 0.159754	3701.2178	7304.041	1086.608643
## 4181 0.142411	3654.1055	7159.922	1006.542358
## 4182 0.111336	3600.5139	7098.532	1456.719116
## 4183 0.163971	3345.8186	6638.971	406.229279
## 4184 0.177640	3809.9585	7300.729	578.937134
## 4185 0.140600	3849.5945	7446.430	895.652222
## 4186 0.117175	3675.8806	7447.521	1217.162354
## 4187 0.117551	3775.3311	7500.788	1243.041138
## 4188 0.111245	3793.6848	7433.763	985.697632
## 4189 0.110556	3803.6873	7448.032	1336.094849
## 4190 0.109866	3788.0029	7517.605	1251.998291
## 4191 0.112965	3805.6462	7612.527	1059.583618
## 4192 0.085909	3748.7583	7494.210	1211.162842
## 4193 0.084335	3886.3879	7727.660	1609.939819
## 4194 0.113528	3930.8613	7701.634	1593.232422
## 4195 0.120585	3853.3162	7527.908	1424.772095
## 4196 0.114057	3866.9573	7603.898	1465.467041
## 4197 0.107107	3689.6206	7231.855	1232.622803
## 4198 0.113007	3814.4353	7429.055	1566.467041
## 4199 0.121571	3897.5034	7603.315	1640.336914
## 4200 0.087908	3841.2764	7667.691	1838.379639
## 4201 0.090092	3790.2854	7543.606	1576.734497
## 4202 0.091583	3796.0725	7616.082	1782.851440

## 4203 0.093052	3751.8911	7411.172	1516.631470
## 4204 0.074561	3587.1133	7285.963	1092.596924
## 4205 0.101636	3893.2632	7685.655	1524.975342
## 4206 0.088310	3708.4932	7507.179	856.864563
## 4207 0.078257	3777.4912	7466.314	1510.777222
## 4208 0.102409	3765.2002	7401.043	1064.433350
## 4209 0.112296	3848.7927	7573.572	1513.770142
## 4210 0.083205	3828.0044	7616.900	1473.878784
## 4211 0.088737	3562.8801	7139.064	986.793335
## 4212 0.096410	3623.4175	7112.233	1581.401978
## 4213 0.083073	3793.2410	7580.495	1758.728149
## 4214 0.081551	3722.1357	7582.038	1471.325684
## 4215 0.087414	3800.3669	7521.792	1719.326660
## 4216 0.082899	3485.4878	6922.918	1519.150269
## 4217 0.079950	3811.2937	7738.122	1449.640137
## 4218 0.092666	3812.6504	7522.985	1611.294556
## 4219 0.067810	3770.6938	7581.300	1817.464478
## 4220 0.073041	3789.9453	7598.321	2053.312012
## 4221 0.087727	3884.6904	7747.614	1512.916870
## 4222 0.081957	3783.5151	7578.285	1472.656860
## 4223 0.081006	3685.4072	7394.807	1323.665039
## 4224 0.092168	3801.3962	7601.850	1881.223511
## 4225 0.090863	3879.2075	7693.439	1647.395020
## 4226 0.079449	3764.5828	7537.926	1603.470825
## 4227 0.081842	3802.4712	7675.201	1170.360596
## 4228 0.075576	3509.2417	6982.896	1847.899292
## 4229 0.078890	3576.2083	7190.307	1486.399780
## 4230 0.079297	3380.2131	6807.813	885.014465
## 4231 0.084875	3266.3506	6514.001	1462.737915
## 4232 0.088625	3337.9287	6460.000	792.746216
## 4233 0.073935	3513.2473	7121.022	516.893921
## 4234 0.071638	3765.3416	7439.559	2408.585938
## 4235 0.064125	3308.1777	6576.000	1242.937866
## 4236 0.112424	3565.1072	6962.196	1805.435425
## 4237 0.079332	3616.5225	7083.523	1579.591187
## 4238 0.094844	3572.8767	7010.000	1259.584473
## 4239 0.092676	3481.0520	6773.438	1324.525757
## 4240 0.076351	3515.0413	7003.378	512.672607
## 4241 0.088244	3153.5767	7472.620	667.087769
## 4242 0.143648	3878.9585	7380.739	1188.950684
## 4243 0.156212	3798.3281	7284.041	872.966675
## 4244 0.153341	3732.5510	7068.105	898.221130
## 4245 0.083203	3776.6946	7470.740	2117.981934
## 4246 0.083970	3641.1328	7256.480	1210.499146
## 4247 0.090918	3700.6587	7323.826	1951.109741
## 4248 0.086089	3702.6863	7316.533	1269.178955
## 4249 0.069915	3676.2683	7331.354	1527.508789
## 4250 0.075474	3499.3120	6873.487	1472.009521
## 4251 0.066381	3663.0315	7356.854	1508.537964
## 4252 0.095694	3759.6404	7428.333	986.246887
## 4253 0.129030	3793.6069	7281.909	1043.369263
## 4254 0.110539	3814.3284	7438.293	1221.196289
## 4255 0.095576	3766.3176	7409.740	1041.296265
## 4256 0.101634	3616.0386	7077.273	1050.186157

## 4257 0.088194	3535.9944	6941.668	1032.275635
## 4258 0.090349	3504.0598	6915.443	854.988525
## 4259 0.081538	3740.3577	7385.384	1132.438232
## 4260 0.082750	3344.0908	6596.001	1134.240112
## 4261 0.075810	3381.5525	6685.187	986.034973
## 4262 0.066250	3319.3567	6608.001	831.057434
## 4263 0.078241	3779.7327	7478.085	1052.464844
## 4264 0.083654	3686.1440	7234.135	1142.287842
## 4265 0.089844	3409.7368	6716.965	908.912109
## 4266 0.059318	3690.4805	7338.182	2265.221191
## 4267 0.093316	3541.2200	6895.139	1038.549072
## 4268 0.095496	3834.7415	7550.550	926.977234
## 4269 0.107969	3868.8301	7514.642	1715.445557
## 4270 0.088778	3889.9531	7700.756	1353.067261
## 4271 0.102419	3717.1953	7253.632	1481.156616
## 4272 0.104474	3717.0325	7448.160	909.479797
## 4273 0.085426	3804.1353	7538.408	1247.105103
## 4274 0.088167	3826.4409	7649.031	1254.795044
## 4275 0.056125	3301.4290	6621.000	936.645996
## 4276 0.090733	3420.9575	6698.276	1754.795898
## 4277 0.105357	3390.2869	6675.002	620.276306
## 4278 0.100729	3802.5950	7436.391	1140.715820
## 4279 0.100074	3585.0977	7000.000	1004.615295
## 4280 0.105267	3783.9114	7417.134	941.165100
## 4281 0.099070	3772.8652	7402.383	1081.817871
## 4282 0.106593	3775.0286	7367.379	934.146118
## 4283 0.116667	3454.9604	6630.833	786.074829
## 4284 0.120368	3703.4993	7139.732	802.802795
## 4285 0.109079	3837.4634	7578.253	856.427002
## 4286 0.082000	3350.3088	6560.002	1095.943848
## 4287 0.087125	3352.4856	6519.000	870.117798
## 4288 0.111842	3566.3420	6898.025	682.014587
## 4289 0.107656	3568.5081	6930.000	750.787720
## 4290 0.129616	3629.9741	6922.159	1084.223022
## 4291 0.117578	3797.8582	7343.752	820.504089
## 4292 0.095928	3504.6636	6856.819	1489.469971
## 4293 0.092500	3335.7981	6541.000	706.232849
## 4294 0.116028	3439.9216	6676.615	750.851013
## 4295 0.097940	3602.7236	7036.933	847.314209
## 4296 0.114792	3625.6641	6997.780	989.515198
## 4297 0.111058	3367.4087	6515.384	804.454346
## 4298 0.089815	3377.5786	6598.149	687.665161
## 4299 0.098839	3748.5505	7333.571	946.393677
## 4300 0.099875	3347.7268	6538.000	786.201965
## 4301 0.126852	3404.3091	6537.964	678.583801
## 4302 0.103299	3553.1489	6878.473	1778.263428
## 4303 0.116933	3628.5579	6996.511	1139.832764
## 4304 0.090471	3863.1077	7639.348	1528.690186
## 4305 0.093359	3776.9814	7397.187	1077.784790
## 4306 0.092120	3638.7278	7087.500	1469.596069
## 4307 0.060156	3406.4424	6728.572	802.074158
## 4308 0.100750	3345.1621	6483.000	1254.963379
## 4309 0.088697	3634.7871	7136.703	1051.013672
## 4310 0.087458	3767.8645	7367.904	1090.203613

## 4311 0.092330	3691.6580	7221.819	1121.186890
## 4312 0.080580	3416.3655	6677.680	994.991455
## 4313 0.073250	3341.8274	6549.001	2072.541748
## 4314 0.110417	3851.4346	7502.917	1260.269043
## 4315 0.108760	3732.8408	7248.361	924.311584
## 4316 0.096023	3503.6528	6831.062	1460.102539
## 4317 0.087875	3350.4285	6522.000	1227.857056
## 4318 0.077500	3349.0933	6579.000	1198.787964
## 4319 0.068125	3352.1162	6566.001	1388.330811
## 4320 0.104772	3782.3994	7438.170	1334.198242
## 4321 0.086719	3735.0310	7336.763	1572.822388
## 4322 0.081288	3751.4795	7449.391	1244.382446
## 4323 0.069055	3562.2861	7087.808	874.682373
## 4324 0.082328	3694.3977	7282.758	1012.437317
## 4325 0.070125	3305.0435	6602.001	780.236694
## 4326 0.071250	3344.7502	6580.001	1183.449951
## 4327 0.095571	3883.9492	7693.235	1303.759766
## 4328 0.076478	3729.5962	7423.989	1069.102783
## 4329 0.105409	3815.2278	7476.204	1273.543579
## 4330 0.093681	3297.5056	7636.308	934.157410
## 4331 0.103940	3853.4250	7644.936	1525.324463
## 4332 0.098847	3829.0740	7589.443	1627.789551
## 4333 0.132940	3898.6123	7660.356	1219.732422
## 4334 0.135855	3881.9956	7552.182	1284.007446
## 4335 0.127327	3860.7092	7571.919	1203.906494
## 4336 0.119949	3773.6155	7393.435	1355.089233
## 4337 0.112936	3854.9270	7621.845	1423.803589
## 4338 0.128419	3849.0840	7497.501	1477.071289
## 4339 0.124188	3883.8557	7666.480	1444.584717
## 4340 0.122755	3865.0933	7637.980	1391.041992
## 4341 0.125371	3881.3276	7568.340	1244.338379
## 4342 0.127426	3731.7319	7268.423	1527.023438
## 4343 0.117548	3846.6013	7505.289	1504.693848
## 4344 0.055875	3348.3538	6584.000	2240.487793
## 4345 0.116496	3906.7756	7654.159	1325.909790
## 4346 0.115085	3813.0195	7471.050	1822.721680
## 4347 0.124624	3873.9182	7553.591	1383.774048
## 4348 0.120122	3868.0625	7646.030	1351.010498
## 4349 0.119714	3923.3118	7664.242	1298.917358
## 4350 0.127431	3923.5769	7653.345	1334.598022
## 4351 0.117918	3863.1709	7551.009	1395.731934
## 4352 0.092619	3610.3789	7210.775	787.940186
## 4353 0.114769	3890.9407	7600.367	1553.452759
## 4354 0.131933	3913.1338	7601.918	1449.082520
## 4355 0.136719	3886.9294	7547.989	1492.353638
## 4356 0.132319	3911.3042	7625.792	1341.203491
## 4357 0.126539	3907.6372	7618.196	1604.822632
## 4358 0.127918	3898.8740	7627.740	1260.985962
## 4359 0.112632	3875.5356	7569.209	1015.710083
## 4360 0.114023	3866.0593	7560.175	1012.136475
## 4361 0.120682	3868.7744	7533.634	1086.505981
## 4362 0.103250	3621.2422	7118.502	840.195129
## 4363 0.121159	3671.9900	7360.938	1000.973877
## 4364 0.122349	3885.2766	7525.144	1454.539551

## 4365 0.085156	3386.4841	6671.429	805.042358
## 4366 0.117601	3728.4673	7238.604	1328.902710
## 4367 0.103571	3510.6240	6859.288	1432.030884
## 4368 0.138719	3848.8081	7510.853	1344.238159
## 4369 0.129782	3940.9155	7636.960	1452.835938
## 4370 0.125291	3773.4541	7337.501	1754.941284
## 4371 0.135671	3896.5901	7564.215	1426.379883
## 4372 0.104359	3542.9548	6896.712	1060.885620
## 4373 0.143188	3639.0764	7009.499	1136.898071
## 4374 0.117378	3586.9163	6916.466	1099.534546
## 4375 0.126287	3454.6772	6761.767	1260.589722
## 4376 0.100929	3538.8333	6906.084	1313.562012
## 4377 0.103766	3556.0630	6935.256	1255.084473
## 4378 0.103966	3267.6787	6477.885	1008.937988
## 4379 0.094500	3328.8896	6479.000	1378.783081
## 4380 0.105375	3292.4248	6491.000	677.437134
## 4381 0.061290	3386.4597	6823.387	644.354553
## 4382 0.070750	3223.9600	6553.001	363.283691
## 4383 0.055889	3207.7979	6645.192	105.570213
## 4384 0.071644	3307.9827	6644.445	2430.145996
## 4385 0.121711	3468.4468	6830.264	1040.302368
## 4386 0.112750	3357.1782	6396.001	1407.159180
## 4387 0.100116	3347.1499	6563.888	1240.246704
## 4388 0.093375	3346.9148	6479.000	2011.306152
## 4389 0.112375	3338.4609	6426.001	1247.393188
## 4390 0.105625	3614.0381	7038.333	1421.931641
## 4391 0.052875	3257.6494	6638.002	592.573303
## 4392 0.071540	3325.1965	6744.644	1334.503784
## 4393 0.079398	3371.8542	6663.889	1108.348511
## 4394 0.076442	3339.6338	6634.615	781.768372
## 4395 0.069676	2734.1345	6644.444	88.038071
## 4396 0.236892	3150.9275	6962.848	296.246918
## 4397 0.258173	3375.7346	6201.923	277.364258
## 4398 0.248375	3358.1001	6193.000	354.921051
## 4399 0.206750	3350.9365	6227.000	420.085480
## 4400 0.234922	3578.1304	6707.500	1571.237793
## 4401 0.169375	3329.8945	6439.000	1316.393433
## 4402 0.141000	3807.4116	7427.250	1026.528320
## 4403 0.114556	3555.2715	6884.870	1412.762695
## 4404 0.098000	3350.4487	6498.999	1023.226257
## 4405 0.107250	3344.1323	6485.002	838.200806
## 4406 0.092634	3591.2776	7045.833	875.057495
## 4407 0.095208	3597.1934	7095.002	718.200928
## 4408 0.104261	3496.7795	6775.000	1018.369995
## 4409 0.092672	3402.6670	6731.898	508.839417
## 4410 0.110318	3680.4871	7141.037	1561.983032
## 4411 0.100234	3772.8557	7384.375	710.733398
## 4412 0.104496	3692.9570	7240.351	1150.224609
## 4413 0.083125	3589.0967	7038.125	650.495361
## 4414 0.146410	3663.6462	6994.148	463.484161
## 4415 0.125923	3630.2517	6990.910	842.353699
## 4416 0.080279	3761.9995	7442.906	1648.961670
## 4417 0.071190	3737.1589	7426.029	1157.484619
## 4418 0.077500	3448.9626	6746.668	1578.940308

## 4419 0.104552	3808.9553	7425.812	1314.546509
## 4420 0.100460	3813.2695	7443.154	1156.602783
## 4421 0.108333	3452.3457	6689.167	919.757141
## 4422 0.099792	3831.1606	7487.620	1355.103027
## 4423 0.103235	3843.3242	7504.386	1396.075195
## 4424 0.108136	3705.9441	7247.414	1061.854614
## 4425 0.112661	3825.2634	7443.042	1355.168823
## 4426 0.068250	3349.1294	6567.001	1357.035645
## 4427 0.079993	3766.2446	7481.324	1057.221069
## 4428 0.060750	3267.5520	6606.002	1573.787720
## 4429 0.086073	3897.3423	7697.828	1465.817017
## 4430 0.109892	3855.6646	7525.939	1005.614197
## 4431 0.069722	3608.0000	7161.113	1680.933105
## 4432 0.096970	3720.0222	7285.988	1301.775635
## 4433 0.103998	3742.9512	7330.145	1462.681641
## 4434 0.104731	3746.3657	7358.686	1128.426758
## 4435 0.108977	3821.7615	7464.317	965.232422
## 4436 0.100296	3802.0374	7425.526	3251.861572
## 4437 0.122903	3792.8689	7319.625	1261.074829
## 4438 0.106105	3623.1230	7004.072	817.832092
## 4439 0.115478	3831.4690	7408.962	1226.350830
## 4440 0.111247	3880.9407	7554.940	1426.146240
## 4441 0.078250	3340.2791	6565.000	1292.067749
## 4442 0.091809	3713.4990	7331.817	1228.278320
## 4443 0.082726	3746.2131	7385.764	1888.566528
## 4444 0.077802	3420.3638	6742.243	1198.819580
## 4445 0.100598	3643.4092	7125.532	1176.312622
## 4446 0.116008	3641.3000	7119.388	1194.228516
## 4447 0.109055	3772.5403	7375.000	996.849487
## 4448 0.105240	3878.2891	7616.765	1733.489380
## 4449 0.101907	3710.7051	7253.391	1406.334717
## 4450 0.134082	3819.9978	7389.324	1120.846191
## 4451 0.087500	3580.8235	7363.197	1087.948120
## 4452 0.081477	3646.7822	7251.819	1758.037231
## 4453 0.080750	3726.7463	7409.999	1046.049438
## 4454 0.112784	3600.3611	7063.069	909.457214
## 4455 0.101424	3766.3438	7392.724	1241.034424
## 4456 0.098636	3648.4766	7185.910	1353.607666
## 4457 0.092742	3463.7073	6772.582	853.181396
## 4458 0.095132	3877.8525	7648.027	1370.733032
## 4459 0.096875	3790.6384	7458.951	936.571106
## 4460 0.100710	3612.5139	7102.274	909.627319
## 4461 0.080040	3711.1064	7341.937	1462.478760
## 4462 0.090581	3618.8755	7320.070	1190.981689
## 4463 0.123125	3423.6082	6678.333	943.604858
## 4464 0.096591	3406.7449	6772.729	1172.244751
## 4465 0.081920	3343.8921	6650.894	998.524109
## 4466 0.069750	3185.2456	6566.001	221.160782
## 4467 0.113851	3525.0461	6864.188	1958.879883
## 4468 0.107572	3325.1628	6520.193	1161.208496
## 4469 0.089000	3263.9958	6507.000	1118.771362
## 4470 0.112003	3551.7446	7014.205	1050.368042
## 4471 0.123713	3459.8547	6775.000	1130.563599
## 4472 0.115069	3750.3870	7381.389	1469.402100

## 4473 0.102734	3562.9902	7168.302	1023.705688
## 4474 0.114617	3620.9124	7200.809	954.274597
## 4475 0.096125	3295.6919	6459.000	1763.916260
## 4476 0.083375	3247.4663	6519.999	595.409241
## 4477 0.105718	3700.9160	7396.009	1104.755615
## 4478 0.113988	3736.3367	7347.619	1262.963989
## 4479 0.097625	3305.7380	6497.001	1410.018066
## 4480 0.098682	3637.3955	7273.829	1055.242554
## 4481 0.109419	3706.7261	7298.943	1555.484863
## 4482 0.115697	3430.9192	7601.223	1070.055786
## 4483 0.070129	3479.6848	6925.000	793.310242
## 4484 0.075000	3362.2874	6616.347	896.991699
## 4485 0.062625	3317.8647	6602.999	975.330139
## 4486 0.078041	3491.6401	6981.757	1358.095703
## 4487 0.107625	3327.6621	6418.001	1467.864380
## 4488 0.114250	3317.5398	6428.000	741.779968
## 4489 0.084500	3338.9097	6506.001	1123.857056
## 4490 0.086125	3286.6472	6557.001	896.474976
## 4491 0.045938	3378.7859	6850.833	1171.474243
## 4492 0.091918	3770.9058	7472.415	1086.427612
## 4493 0.088971	3632.1392	7218.138	1325.812744
## 4494 0.085400	3712.4600	7345.312	1271.719727
## 4495 0.072934	3505.8467	7316.947	740.518494
## 4496 0.090497	3745.5669	7352.054	1016.363098
## 4497 0.073011	3485.3174	6879.546	1153.366821
## 4498 0.075174	3505.7886	6972.918	353.843750
## 4499 0.112997	3762.9814	7352.274	443.000061
## 4500 0.104261	3493.6958	6756.821	790.952942
## 4501 0.087250	3343.3066	6506.002	357.754669
## 4502 0.114098	3850.8218	7480.342	445.579041
## 4503 0.107772	3567.6077	6939.103	716.789917
## 4504 0.106505	3649.2971	7082.146	781.988342
## 4505 0.125094	3891.8435	7580.153	599.809448
## 4506 0.141875	3799.4639	7176.566	332.751648
## 4507 0.145612	3653.5288	6864.896	314.936218
## 4508 0.124658	3647.4255	7195.313	637.066528
## 4509 0.084252	3768.3577	7527.452	772.793213
## 4510 0.062482	3842.9451	7715.537	1414.931152
## 4511 0.083361	3842.1223	7621.452	878.973083
## 4512 0.080937	3630.0967	7231.501	1119.406738
## 4513 0.057670	3679.1333	7409.471	1388.979004
## 4514 0.043314	3346.6982	7175.582	566.817078
## 4515 0.077083	3565.4729	7166.145	1625.532959
## 4516 0.067369	3576.4705	7133.722	1896.504272
## 4517 0.094518	3696.8762	7199.123	1731.313110
## 4518 0.039543	3078.2854	7287.021	755.905090
## 4519 0.029625	2992.4563	6668.002	521.041809
## 4520 0.021375	3071.5027	6682.001	673.107239
## 4521 0.026310	3267.5657	6914.518	308.797638
## 4522 0.044978	3279.1399	6750.894	104.291969
## 4523 0.043269	3248.6338	6684.616	1096.617188
## 4524 0.034037	3389.8464	7062.163	315.284973
## 4525 0.028906	3436.8596	7145.623	948.783386
## 4526 0.073000	3290.5291	6609.000	1205.128296

## 4527 0.075868	3478.3142	6995.141	582.148865
## 4528 0.114250	3351.5566	6507.001	437.537781
## 4529 0.096484	3583.0520	7028.751	657.577087
## 4530 0.096375	3343.5176	6558.001	1054.510986
## 4531 0.100625	3342.8625	6523.001	833.459778
## 4532 0.102875	3357.6194	6523.001	859.909729
## 4533 0.120750	3364.8020	6486.001	953.648804
## 4534 0.110750	3362.9253	6523.001	907.504639
## 4535 0.105824	3714.9243	7324.242	1192.081055
## 4536 0.056202	3668.2432	7388.079	782.529297
## 4537 0.043092	3524.1409	7078.946	1045.122070
## 4538 0.055019	3471.0806	6939.395	932.856750
## 4539 0.054271	3679.4612	7367.500	1902.495483
## 4540 0.072530	3704.4744	7343.951	2254.295654
## 4541 0.076770	3817.5408	7553.542	1460.488525
## 4542 0.071750	3302.3142	6605.001	136.708725
## 4543 0.090625	3683.0564	7207.589	893.607239
## 4544 0.073000	3347.4915	6556.000	1777.253418
## 4545 0.073589	3854.9502	7667.571	1632.732178
## 4546 0.054919	3644.8145	7308.797	1683.889648
## 4547 0.059375	3470.1995	6997.857	767.581604
## 4548 0.051250	3517.7654	7119.999	1737.697388
## 4549 0.062644	3674.5806	7394.614	1041.586426
## 4550 0.067740	3848.8826	7690.700	2120.007324
## 4551 0.061442	3701.8191	7393.463	2235.711426
## 4552 0.052922	3698.1140	7493.506	1400.959351
## 4553 0.052016	3513.3245	7396.773	233.654037
## 4554 0.082908	3651.0227	7154.591	1233.710815
## 4555 0.068606	3711.0920	7340.769	2164.724609
## 4556 0.068068	3663.9971	7287.273	781.760986
## 4557 0.075000	3652.8857	7210.499	1477.871094
## 4558 0.070852	3654.4397	7288.181	1491.558472
## 4559 0.066587	3339.9941	6659.616	333.537079
## 4560 0.080945	3715.7351	7452.745	1057.456787
## 4561 0.120313	3718.9990	7204.583	1834.531860
## 4562 0.085459	3655.3259	7178.574	1576.312256
## 4563 0.119091	3695.4011	7127.271	1084.899170
## 4564 0.142770	3679.4016	7054.900	463.729065
## 4565 0.148532	3729.3015	7147.348	899.938599
## 4566 0.103038	3548.6650	6854.862	995.104553
## 4567 0.115694	3623.0171	6989.445	1423.738770
## 4568 0.149125	3352.6997	6357.001	874.221985
## 4569 0.137891	3576.6548	6834.999	920.115967
## 4570 0.152635	3865.9238	7426.309	1141.563232
## 4571 0.108750	3346.0737	6448.001	886.466675
## 4572 0.146689	3904.3779	7455.137	1065.711792
## 4573 0.107091	3654.5718	7170.673	1119.425659
## 4574 0.098604	3641.4719	7080.851	1220.383911
## 4575 0.090799	3753.0715	7318.056	1901.957886
## 4576 0.070742	3687.5354	7497.802	1268.339844
## 4577 0.059875	3334.1069	6614.000	1770.583984
## 4578 0.076228	3407.0522	6702.679	2193.921875
## 4579 0.061854	3769.9602	7669.168	1734.683105
## 4580 0.085243	3508.4839	6922.916	1204.077271

## 4581 0.098833	3728.8193	7402.106	1058.269043
## 4582 0.071150	3641.8240	7417.028	376.063904
## 4583 0.086824	3320.8828	7560.808	165.166214
## 4584 0.105625	3245.2930	6437.002	299.343292
## 4585 0.106250	3325.0115	6572.000	625.710693
## 4586 0.091010	3708.7954	7314.615	1136.281494
## 4587 0.064471	3645.1787	7429.229	1471.975586
## 4588 0.060982	3491.8538	6985.714	3396.199463
## 4589 0.068125	3408.3599	6800.833	833.092102
## 4590 0.074409	3505.2866	6995.273	1059.583130
## 4591 0.056793	3585.6536	7185.871	867.736267
## 4592 0.066269	3837.5955	7634.353	1345.489258
## 4593 0.080357	3574.4670	7102.977	1114.723389
## 4594 0.087411	3483.0952	6942.145	617.191162
## 4595 0.077083	3516.4807	6981.945	555.759949
## 4596 0.073920	3678.6011	7297.275	764.939941
## 4597 0.053125	3528.1960	7037.164	1985.824951
## 4598 0.083177	3691.3640	7316.667	1049.729126
## 4599 0.077307	3567.3713	7079.168	1601.690674
## 4600 0.088116	3621.7373	7321.211	1561.960327
## 4601 0.093304	3699.8384	7189.733	1464.193726
## 4602 0.070848	3726.7688	7444.180	1037.325439
## 4603 0.073674	3471.5745	6898.486	778.389709
## 4604 0.068750	3513.4680	6978.475	1045.832031
## 4605 0.086364	3783.5471	7467.046	1266.603027
## 4606 0.083523	3485.0413	6837.124	1738.340942
## 4607 0.068000	3318.6812	6597.000	1159.284058
## 4608 0.093010	3825.2393	7543.128	1012.355530
## 4609 0.090625	3555.5183	6971.796	576.908020
## 4610 0.104716	3686.5547	7154.549	658.402405
## 4611 0.118654	3903.5378	7578.744	666.939697
## 4612 0.102000	3326.6968	6490.000	778.376282
## 4613 0.103125	3510.7053	6813.237	781.741028
## 4614 0.093149	3377.1296	6544.230	1387.378174
## 4615 0.098625	3344.5684	6513.001	571.591064
## 4616 0.120355	3548.0845	6865.540	806.641541
## 4617 0.101875	3281.0244	6523.001	135.784729
## 4618 0.108000	3300.3108	6464.000	250.092819
## 4619 0.127125	3317.7341	6361.001	304.490448
## 4620 0.119125	3359.3254	6396.000	617.010315
## 4621 0.142708	3465.1367	6497.500	243.592514
## 4622 0.151760	3810.1089	7164.372	398.400146
## 4623 0.119301	3590.6418	7082.355	2034.569946
## 4624 0.115674	3713.6262	7234.764	1248.786255
## 4625 0.059057	3639.0701	7345.339	1885.764160
## 4626 0.100424	3746.8342	7431.485	1131.127563
## 4627 0.083976	3597.9314	7179.256	1192.611816
## 4628 0.089502	3708.6094	7336.720	1326.955200
## 4629 0.076654	3700.3386	7537.498	969.573364
## 4630 0.087659	3843.7842	7648.311	774.287415
## 4631 0.073353	3821.3472	7648.311	737.523254
## 4632 0.047938	3609.1621	7282.000	1324.655151
## 4633 0.070833	3679.0710	7393.560	670.564392
## 4634 0.061555	3558.2217	7155.232	601.348938

## 4635 0.092773	3626.2646	7156.771	345.116486
## 4636 0.082776	3587.3274	7096.512	554.489502
## 4637 0.076316	3684.3320	7313.160	1423.508423
## 4638 0.055529	3593.6570	7275.480	690.393738
## 4639 0.035375	3187.6404	6645.001	323.239502
## 4640 0.068000	2902.2339	6590.000	350.550201
## 4641 0.074194	3465.0754	6803.227	1351.688599
## 4642 0.059152	3387.9448	6752.679	2217.203125
## 4643 0.072356	3325.7737	6642.307	1195.800903
## 4644 0.090963	3560.4614	6903.381	1812.165283
## 4645 0.073828	3063.1812	6983.751	973.967651
## 4646 0.022375	3040.8101	6673.001	757.304504
## 4647 0.026736	3276.9612	7056.945	674.180603
## 4648 0.025750	3208.0632	6675.001	412.812988
## 4649 0.033125	3490.7529	7130.002	230.189255
## 4650 0.049500	3250.4883	6603.999	739.214905
## 4651 0.030500	3163.0571	6649.001	251.335831
## 4652 0.033125	3169.3921	6650.000	218.636505
## 4653 0.024750	3184.4087	6676.000	749.762268
## 4654 0.071000	3270.9592	6616.000	1244.223633
## 4655 0.090720	3699.9524	7356.818	531.263123
## 4656 0.101827	3737.3384	7335.385	848.896240
## 4657 0.115872	3573.2852	6928.948	829.597473
## 4658 0.104545	3513.9294	6848.487	1110.362915
## 4659 0.128594	3727.7583	7219.582	895.738464
## 4660 0.074597	3649.9492	7348.389	973.210083
## 4661 0.058352	3804.9983	7604.425	1091.748779
## 4662 0.043875	3338.9258	6637.001	2470.572754
## 4663 0.051834	3589.1770	7208.695	1769.744629
## 4664 0.075682	3677.6826	7274.546	2091.309082
## 4665 0.079808	3371.9021	6572.116	1746.225952
## 4666 0.072370	3761.0593	7467.375	1372.419922
## 4667 0.093490	3710.9026	7251.666	1085.565308
## 4668 0.072130	3633.7068	7202.041	1012.768860
## 4669 0.090568	3675.2849	7212.274	1141.111572
## 4670 0.070000	3643.8213	7237.501	1236.988892
## 4671 0.123769	3738.5613	7233.331	1712.135620
## 4672 0.085536	3527.3835	6915.002	2012.151733
## 4673 0.126427	3637.5334	7032.608	1020.187317
## 4674 0.095500	3355.5310	6468.001	954.251160
## 4675 0.135313	3598.4919	6906.250	579.720154
## 4676 0.140343	3866.1050	7405.637	1231.271606
## 4677 0.079250	3327.2202	6510.001	1155.126099
## 4678 0.153125	3900.8003	7471.641	1098.129272
## 4679 0.133293	3677.9568	7055.289	976.859924
## 4680 0.105652	3653.4272	7011.172	1935.883179
## 4681 0.137153	3775.4302	7192.014	859.670471
## 4682 0.171398	3723.5281	7060.597	805.093140
## 4683 0.102137	3800.2742	7455.101	1103.582397
## 4684 0.080623	3874.0437	7703.316	1709.690308
## 4685 0.077951	3663.1375	7388.542	452.771637
## 4686 0.077505	3849.1111	7551.035	2117.748047
## 4687 0.063927	3616.0430	7150.001	1517.522583
## 4688 0.065333	3757.8442	7421.000	1724.494507

## 4689 0.076009	3806.9263	7491.407	1533.432495
## 4690 0.083688	3900.5261	7665.133	1924.239380
## 4691 0.079772	3886.3584	7663.172	1773.408447
## 4692 0.081216	3803.5164	7458.517	1860.394897
## 4693 0.092875	3347.7280	6530.000	1060.236450
## 4694 0.082924	3411.3655	6686.608	1570.608032
## 4695 0.092188	3865.0273	7598.334	1166.670898
## 4696 0.099361	3620.9651	7095.457	566.227539
## 4697 0.080380	3745.4790	7514.945	178.438248
## 4698 0.043145	3524.9431	7393.144	1923.137573
## 4699 0.088726	3819.7332	7607.595	1218.887817
## 4700 0.061875	3289.1736	6626.000	511.056335
## 4701 0.082204	3060.0073	7525.001	42.146969
## 4702 0.113212	3854.1135	7534.307	1536.932983
## 4703 0.071528	3049.5576	6690.741	84.365005
## 4704 0.053375	3263.9839	6648.001	495.504059
## 4705 0.062911	3482.4138	7063.815	1052.593628
## 4706 0.060786	3381.0151	6887.904	1031.584106
## 4707 0.050500	3262.0769	6648.001	1108.734619
## 4708 0.065625	3516.6223	7122.562	1128.446899
## 4709 0.056908	3488.3547	7080.923	1296.846436
## 4710 0.065666	3687.1443	7488.159	1339.574951
## 4711 0.064527	3479.5217	7039.190	1239.905273
## 4712 0.060075	3641.0776	7357.330	1447.448242
## 4713 0.049722	3555.0342	7207.222	1056.112915
## 4714 0.075366	3777.0320	7524.467	1375.807983
## 4715 0.061375	3316.0493	6619.000	1336.563843
## 4716 0.061625	3312.4868	6634.000	1113.815186
## 4717 0.075923	3793.6655	7531.664	1894.165039
## 4718 0.046364	3617.9688	7320.456	2121.349365
## 4719 0.055748	3648.6624	7324.106	1361.129883
## 4720 0.036655	3485.4229	7062.162	1063.965454
## 4721 0.037437	3584.5449	7287.500	1213.137085
## 4722 0.050208	3705.4048	7481.333	1192.907227
## 4723 0.039375	3281.8286	6628.000	1108.039795
## 4724 0.052549	3530.1011	7051.317	978.649963
## 4725 0.050250	3303.7820	6624.000	1137.134277
## 4726 0.038375	3286.4714	6650.001	694.070190
## 4727 0.048813	3602.8586	7267.000	1131.436157
## 4728 0.056250	3756.5349	7560.310	1104.599365
## 4729 0.093888	3936.8364	7726.002	1608.458008
## 4730 0.079000	3337.0413	6556.000	1203.779541
## 4731 0.093125	3340.0027	6555.000	1046.450562
## 4732 0.121774	3399.8977	6676.614	1149.030396
## 4733 0.075961	3794.0403	7615.771	1008.788330
## 4734 0.066518	3501.8208	7156.547	522.477417
## 4735 0.052500	3409.2480	6972.858	3155.078369
## 4736 0.073177	3484.6685	6974.999	713.319519
## 4737 0.067670	3645.2678	7284.091	801.528870
## 4738 0.056334	3519.7500	7036.486	1100.762817
## 4739 0.051094	3687.7346	7374.582	1706.018677
## 4740 0.082292	3587.6106	7090.477	637.075989
## 4741 0.078598	3712.2288	7370.076	1398.586792
## 4742 0.082924	3671.7566	7297.768	409.989777

## 4743 0.071019	3748.4756	7438.356	1124.432495
## 4744 0.048201	3454.0520	6950.760	951.011353
## 4745 0.086024	3520.1392	6959.029	1032.489258
## 4746 0.085156	3772.7085	7450.282	1328.687012
## 4747 0.082765	3262.3730	6838.638	887.795532
## 4748 0.075875	3348.0562	6547.000	1291.492676
## 4749 0.078483	3834.6479	7600.574	1038.730713
## 4750 0.069712	3551.7756	7047.437	929.810364
## 4751 0.082606	3659.8862	7239.150	1226.950439
## 4752 0.093150	3881.1904	7647.923	1105.243286
## 4753 0.086892	3522.5598	6911.113	748.620605
## 4754 0.098380	3386.0381	6562.038	690.399719
## 4755 0.094935	3426.6011	6657.760	333.039215
## 4756 0.099038	3567.1604	6940.385	237.850555
## 4757 0.116487	3696.1609	7170.691	546.736572
## 4758 0.119123	3830.4062	7428.898	711.617798
## 4759 0.112401	3719.2822	7242.063	711.371216
## 4760 0.116610	3759.0745	7306.508	820.303528
## 4761 0.112014	3620.3264	7037.224	739.821472
## 4762 0.118333	3582.6624	7019.443	240.230179
## 4763 0.137411	3536.3901	6695.716	491.335114
## 4764 0.147011	3770.4053	7077.897	362.057861
## 4765 0.135625	3363.4807	6299.000	306.052643
## 4766 0.158388	3551.3547	6721.712	317.862122
## 4767 0.083984	3534.1323	6960.627	2340.365723
## 4768 0.068192	3408.7344	6731.251	2027.033936
## 4769 0.091976	3932.9795	7691.645	1736.606689
## 4770 0.117000	3365.3479	6388.999	1933.661743
## 4771 0.084651	3498.0996	6862.501	1344.141479
## 4772 0.104447	3357.6655	6534.616	618.941162
## 4773 0.091500	3342.8564	6512.001	1720.323242
## 4774 0.099493	3557.7039	6932.434	1108.643555
## 4775 0.103250	3338.3342	6524.003	626.036804
## 4776 0.087750	3345.9836	6514.001	1400.717041
## 4777 0.099625	3356.1736	6439.000	2020.036499
## 4778 0.091625	3350.7131	6491.000	1301.375732
## 4779 0.089375	3435.7087	6748.335	568.896179
## 4780 0.100754	3805.1963	7396.553	1184.501465
## 4781 0.111152	3676.7903	7103.430	1240.774658
## 4782 0.100146	3737.4624	7273.436	1837.680908
## 4783 0.095922	3700.5535	7271.610	776.175110
## 4784 0.084079	3818.1929	7583.403	1083.926392
## 4785 0.092645	3809.2231	7494.830	978.671387
## 4786 0.103711	3628.1619	7105.212	1220.665283
## 4787 0.049375	3529.1189	7112.500	1729.233398
## 4788 0.085320	3574.0806	7105.235	619.431274
## 4789 0.090795	3861.6338	7719.649	1266.184692
## 4790 0.104717	3899.3630	7590.121	1157.415894
## 4791 0.105826	3802.2444	7319.443	1420.204224
## 4792 0.110572	3655.5198	7053.725	980.907532
## 4793 0.104736	3741.9534	7245.315	1735.503296
## 4794 0.119914	3842.6296	7388.236	1781.743042
## 4795 0.121169	3901.3384	7542.515	1745.909790
## 4796 0.126563	3868.6978	7475.168	1116.989014

## 4797 0.145125	3689.5771	6902.500	597.372498
## 4798 0.157150	3745.9475	7061.740	936.280151
## 4799 0.082631	3572.3767	7106.976	666.434631
## 4800 0.083333	3592.4290	7184.896	679.268372
## 4801 0.077471	3560.1667	7104.653	647.912598
## 4802 0.070066	3664.6045	7314.472	1071.687256
## 4803 0.047957	3631.4988	7298.077	1745.369751
## 4804 0.043000	3288.2605	6647.000	1257.908081
## 4805 0.057125	3308.8184	6641.000	1151.462524
## 4806 0.071270	3422.0645	6849.195	455.558441
## 4807 0.061496	3369.3479	6747.323	1421.875244
## 4808 0.054207	3334.3467	6681.731	660.640381
## 4809 0.100760	3530.2319	6943.245	308.139496
## 4810 0.077109	3556.9536	7037.500	935.542297
## 4811 0.071125	3326.8936	6594.000	514.416504
## 4812 0.086545	3510.4492	6974.308	1111.856201
## 4813 0.054250	3316.0034	6626.000	1582.249023
## 4814 0.049219	3497.8296	7101.875	907.279175
## 4815 0.034250	3193.7639	6645.001	428.700562
## 4816 0.070750	2899.8811	6594.999	404.739441
## 4817 0.076625	3339.9075	6551.000	1463.516602
## 4818 0.054375	3332.3582	6615.001	1661.094238
## 4819 0.062375	3325.7107	6598.000	1719.791870
## 4820 0.092945	3738.0554	7276.134	1486.675903
## 4821 0.038269	3197.3489	7425.770	699.393921
## 4822 0.023520	3435.7808	7095.395	542.708313
## 4823 0.026989	3393.9438	6976.517	275.264587
## 4824 0.045937	3578.3892	7370.000	636.325989
## 4825 0.033569	3555.3396	7421.371	695.987183
## 4826 0.099060	3806.6038	7554.208	756.949219
## 4827 0.075375	3336.2021	6597.000	1076.279419
## 4828 0.118125	3703.2742	7189.092	889.285522
## 4829 0.125670	3824.2126	7446.173	1000.264771
## 4830 0.063388	3869.5308	7760.703	1464.372437
## 4831 0.081033	3751.2864	7368.405	1767.388550
## 4832 0.083988	3828.4072	7553.927	1218.820435
## 4833 0.073234	3621.4355	7153.261	1168.084717
## 4834 0.087083	3751.6580	7385.333	1164.622437
## 4835 0.077116	3761.5776	7490.886	586.625916
## 4836 0.073627	3901.3630	7686.329	1923.405884
## 4837 0.084711	3884.7756	7634.411	1552.913574
## 4838 0.073214	3794.6426	7475.273	1927.455444
## 4839 0.075750	3348.1772	6540.001	2590.560547
## 4840 0.078906	3402.4626	6701.787	1335.457764
## 4841 0.081854	3864.6985	7619.500	1673.664185
## 4842 0.066406	3526.6099	6967.363	1342.452393
## 4843 0.080459	3790.7039	7421.989	1920.747559
## 4844 0.092618	3743.2761	7357.608	1233.921265
## 4845 0.090456	3818.7852	7526.806	1268.170532
## 4846 0.102000	3345.2046	6537.001	415.112793
## 4847 0.095625	3350.4387	6547.001	518.966492
## 4848 0.071398	3774.8171	7703.940	965.574158
## 4849 0.087875	3327.3391	6526.000	848.550110
## 4850 0.050500	3189.5347	6641.000	661.080627

## 4851 0.086555	3556.2788	7116.861	188.875702
## 4852 0.061568	3623.2266	7355.264	1414.769287
## 4853 0.102284	3646.0830	7138.462	1147.195923
## 4854 0.109875	3355.3867	6437.002	929.007446
## 4855 0.079250	3346.3889	6539.000	1742.061035
## 4856 0.102117	3475.3711	6703.228	1820.556274
## 4857 0.093192	3425.1807	6625.895	929.419983
## 4858 0.087981	3382.8408	6545.192	849.339111
## 4859 0.094679	3549.6116	6927.028	1168.552124
## 4860 0.117344	3595.1240	6916.877	1418.022461
## 4861 0.101500	3352.5542	6503.000	479.007935
## 4862 0.108420	3544.6306	6875.002	1987.748291
## 4863 0.117125	3345.2820	6437.000	869.364990
## 4864 0.094922	3588.4712	6986.250	1108.138550
## 4865 0.097875	3348.4026	6501.000	1578.292969
## 4866 0.103250	3356.6238	6463.000	1564.570068
## 4867 0.099875	3359.9604	6488.000	1979.480103
## 4868 0.101375	3344.2168	6518.001	583.007690
## 4869 0.120000	3342.0000	6472.999	825.384521
## 4870 0.115767	3709.4053	7264.015	592.018982
## 4871 0.134712	3747.7288	7125.000	907.437561
## 4872 0.141283	3588.4004	6709.210	594.398926
## 4873 0.139678	3528.1047	6594.698	1013.537415
## 4874 0.141406	3369.3740	7065.418	614.306519
## 4875 0.029889	3423.7478	7428.228	1233.414795
## 4876 0.039685	3718.6802	7629.647	571.832336
## 4877 0.033125	3178.0942	6647.000	257.355499
## 4878 0.045164	3471.8218	7159.524	1326.495483
## 4879 0.075354	3629.7839	7281.135	762.174438
## 4880 0.109058	3752.7356	7341.302	782.062927
## 4881 0.117990	3550.5479	6910.137	928.229248
## 4882 0.121490	3753.3760	7275.770	1057.020020
## 4883 0.116619	3726.8015	7303.786	820.463135
## 4884 0.065074	3447.0928	6944.118	991.362000
## 4885 0.060000	3377.7019	6797.502	730.296021
## 4886 0.058446	3527.2061	7018.245	1453.887329
## 4887 0.048573	3598.6296	7210.326	1051.078613
## 4888 0.044375	3323.7593	6633.001	2134.830566
## 4889 0.066756	3795.5479	7570.714	1925.462036
## 4890 0.081622	3598.9258	7042.858	1575.009399
## 4891 0.061250	3496.6926	6967.143	949.252441
## 4892 0.065538	3506.8770	6989.584	1357.293945
## 4893 0.090057	3687.0439	7215.458	1036.982300
## 4894 0.067905	3524.5986	7006.758	654.064941
## 4895 0.094271	3716.0364	7230.420	1419.368652
## 4896 0.065476	3584.5076	7114.287	1427.731079
## 4897 0.068797	3701.4778	7381.439	1425.197876
## 4898 0.070871	3642.0762	7295.090	1110.863647
## 4899 0.058750	3309.8923	6592.001	634.642151
## 4900 0.053860	3492.2834	6964.707	1692.892578
## 4901 0.047356	3358.2664	6666.346	2092.023682
## 4902 0.044625	3342.8684	6645.001	1478.983887
## 4903 0.086909	3541.7783	6990.541	834.382996
## 4904 0.052000	3326.9666	6625.000	724.332336

## 4905 0.063625	3318.5459	6606.001	1284.895508
## 4906 0.071875	3323.8220	6590.000	1439.324341
## 4907 0.082250	3324.7676	6586.000	332.954376
## 4908 0.073750	3425.0554	6815.834	374.253021
## 4909 0.069145	3785.3833	7507.183	1152.744507
## 4910 0.082598	3649.8850	7227.943	865.932434
## 4911 0.080908	3699.1418	7323.828	1037.883057
## 4912 0.087553	3579.4626	7267.374	1447.744385
## 4913 0.084698	3830.5430	7542.677	1199.055176
## 4914 0.079337	3820.6929	7577.156	1253.446411
## 4915 0.079362	3627.9182	7181.771	791.929871
## 4916 0.085391	3573.9573	6990.000	1603.653687
## 4917 0.068605	3572.6570	7127.328	638.702271
## 4918 0.093335	3892.5959	7700.596	1419.165161
## 4919 0.082976	3824.5627	7694.642	1139.866699
## 4920 0.091705	3774.3420	7393.829	1435.401489
## 4921 0.093683	3592.7422	7108.511	416.867828
## 4922 0.110889	3754.4968	7196.877	1542.829346
## 4923 0.110600	3838.3918	7404.414	1267.470337
## 4924 0.110999	3903.3025	7543.364	1437.788574
## 4925 0.119721	3888.0112	7493.078	1961.020996
## 4926 0.133000	3674.3516	7071.500	1340.795776
## 4927 0.099006	3749.6196	7279.546	2226.618164
## 4928 0.115916	3629.1357	6994.185	1162.675171
## 4929 0.119068	3672.3906	7188.137	668.338440
## 4930 0.145568	3847.0806	7235.969	926.289185
## 4931 0.095881	3878.1985	7670.457	895.403137
## 4932 0.055295	3699.7317	7471.182	1634.658691
## 4933 0.080837	3806.1689	7594.421	749.957031
## 4934 0.078397	3606.4744	7144.023	846.532837
## 4935 0.080625	3739.5051	7433.669	1194.902954
## 4936 0.053353	3619.8274	7565.625	619.841309
## 4937 0.083352	3869.0159	7661.997	1361.096680
## 4938 0.076848	3890.9849	7644.623	2083.734863
## 4939 0.060817	3785.0098	7519.230	1387.845825
## 4940 0.070250	3339.3252	6553.002	1665.336304
## 4941 0.076674	3401.6189	6675.893	1301.329712
## 4942 0.082979	3868.5933	7594.500	1846.764404
## 4943 0.073651	3613.9788	7092.614	2429.448486
## 4944 0.083105	3867.4883	7634.840	1632.758911
## 4945 0.085661	3881.3865	7605.063	1642.215698
## 4946 0.081375	3336.8718	6564.001	1271.635498
## 4947 0.083783	3797.0100	7482.104	1479.513306
## 4948 0.096237	3862.5828	7653.142	357.865814
## 4949 0.047410	3563.9082	7477.962	1750.872925
## 4950 0.085410	3626.5225	7730.322	735.795654
## 4951 0.071065	3257.2146	6668.518	286.159149
## 4952 0.112993	3736.6892	7457.630	553.967834
## 4953 0.081121	3754.8701	7520.361	992.420715
## 4954 0.058953	3485.5039	7055.407	1009.210388
## 4955 0.062616	3305.7151	6738.890	409.064636
## 4956 0.061853	3302.4858	6749.140	1554.392578
## 4957 0.079728	3582.3625	6989.104	2516.850586
## 4958 0.082759	3701.5300	7247.413	1278.055786

## 4959 0.095097	3838.7271	7476.378	1867.063110
## 4960 0.092312	3715.4202	7284.127	1153.853394
## 4961 0.076070	3758.0112	7395.891	1864.215698
## 4962 0.084167	3615.0508	7057.777	1593.727173
## 4963 0.107253	3784.5986	7332.099	1741.117310
## 4964 0.108062	3752.3953	7307.973	1400.880981
## 4965 0.096750	3341.6238	6538.000	572.696960
## 4966 0.103865	3573.0798	6906.580	1820.452393
## 4967 0.103359	3593.6270	6943.752	1400.287842
## 4968 0.085603	3396.0781	6687.500	736.580627
## 4969 0.105899	3939.8423	7682.918	1342.598145
## 4970 0.054324	3698.6167	7441.439	277.219604
## 4971 0.096307	3428.6111	6782.577	187.320465
## 4972 0.110851	3525.2163	6809.028	639.336670
## 4973 0.101740	3790.9695	7391.481	674.573486
## 4974 0.102273	3503.1299	6759.850	332.450745
## 4975 0.089375	3333.2285	6501.999	721.111328
## 4976 0.125024	3850.8743	7468.895	643.471436
## 4977 0.100801	3568.5364	6942.309	787.195068
## 4978 0.108239	3683.1260	7162.274	833.229370
## 4979 0.133274	3898.0029	7528.856	568.122498
## 4980 0.141101	3658.5581	6855.436	455.870880
## 4981 0.160436	3670.5015	6945.753	280.007843
## 4982 0.067799	3725.8452	7406.884	2020.893555
## 4983 0.066385	3497.1042	7005.406	774.102844
## 4984 0.060369	3706.3413	7396.970	1479.924438
## 4985 0.067452	3709.3757	7388.845	1571.796021
## 4986 0.062316	3488.6877	6940.443	690.192017
## 4987 0.078021	3432.3643	6792.502	1136.296631
## 4988 0.081081	3520.5820	7004.055	1006.386230
## 4989 0.075611	3605.3625	7177.175	580.938354
## 4990 0.074117	3839.5364	7622.708	1062.121826
## 4991 0.079911	3568.7070	7068.453	497.731476
## 4992 0.071696	3495.6924	6940.716	1442.209717
## 4993 0.087066	3341.3679	6919.446	1387.664795
## 4994 0.090625	3690.7749	7191.817	1508.816284
## 4995 0.065794	3523.8879	7019.596	758.239929
## 4996 0.069323	3694.6772	7339.167	1262.581177
## 4997 0.068676	3585.3103	7104.763	919.627991
## 4998 0.084091	3716.9172	7364.015	1096.375732
## 4999 0.093304	3680.0598	7208.482	932.437378
## 5000 0.074434	3818.2510	7580.606	1443.186157
## 5001 0.114413	3851.6458	7411.854	1456.829712
## 5002 0.099681	3669.9949	7105.614	1570.080811
## 5003 0.100481	3592.4978	6892.950	1930.528809
## 5004 0.103852	3624.9639	6993.024	717.218384
## 5005 0.120589	3937.8311	7599.156	1789.085693
## 5006 0.123199	3905.4995	7560.837	1609.203125
## 5007 0.142031	3743.7822	7030.832	832.876953
## 5008 0.130000	3374.0447	6320.000	1136.823608
## 5009 0.143542	3475.7292	6497.500	847.905823
## 5010 0.065451	3815.7825	7649.133	1691.028320
## 5011 0.058391	3617.9866	7310.646	1253.890747
## 5012 0.059283	3459.5107	6966.177	2088.597412

## 5013 0.061738	3525.0886	7099.393	633.988831
## 5014 0.080192	3723.4944	7376.922	2010.202637
## 5015 0.059013	3836.8914	7703.507	2108.846191
## 5016 0.049038	3662.6960	7421.155	1395.690308
## 5017 0.053856	3578.5361	7483.444	436.204590
## 5018 0.094304	3717.8557	7245.966	1254.744141
## 5019 0.054656	3628.6118	7241.326	2596.948242
## 5020 0.068173	3709.0774	7379.230	753.779602
## 5021 0.074261	3668.7590	7277.727	1491.913696
## 5022 0.078549	3758.9285	7457.717	1218.631958
## 5023 0.063095	3583.0437	7111.904	1689.128174
## 5024 0.080344	3653.8574	7392.027	428.901215
## 5025 0.081281	3777.4468	7531.127	811.372986
## 5026 0.066490	3842.4639	7708.618	1006.910095
## 5027 0.082454	3835.6472	7629.223	671.919983
## 5028 0.075750	3635.7517	7232.000	1308.749878
## 5029 0.050331	3662.8481	7415.530	875.563599
## 5030 0.065480	3218.6562	7134.885	278.286102
## 5031 0.077750	3327.7993	6557.001	1034.595337
## 5032 0.059099	3489.6804	6949.268	2037.006714
## 5033 0.068990	3328.8157	6643.270	1229.926636
## 5034 0.082500	3348.3345	6528.001	1335.885864
## 5035 0.085304	3547.9011	6895.271	1720.022095
## 5036 0.090000	3202.8315	6512.001	1973.169922
## 5037 0.116250	3334.0598	6410.999	1035.754028
## 5038 0.123500	3321.0898	6402.001	1054.339966
## 5039 0.110875	3318.4375	6463.001	598.263489
## 5040 0.063542	3398.1125	6808.335	1993.529785
## 5041 0.078951	3755.9924	7493.682	1311.104614
## 5042 0.083578	3641.2776	7225.492	1326.954468
## 5043 0.093994	3703.6042	7337.890	1698.913940
## 5044 0.071094	3522.4233	7336.666	583.817993
## 5045 0.073828	3622.5806	7183.335	1086.285889
## 5046 0.096294	3613.4753	7011.046	1469.018188
## 5047 0.081250	3680.4087	7277.192	1187.936279
## 5048 0.047957	3064.6438	7295.675	469.284180
## 5049 0.027250	3062.4055	6665.001	412.500122
## 5050 0.022375	3089.8691	6674.001	447.873596
## 5051 0.025907	3271.0569	6925.002	254.656708
## 5052 0.048772	3311.4204	6734.822	71.977180
## 5053 0.039423	3259.5994	6686.540	778.929443
## 5054 0.034037	3363.3367	7060.810	243.061676
## 5055 0.029063	3422.9680	7151.876	782.895508
## 5056 0.072500	3298.2942	6608.000	891.051514
## 5057 0.074479	3479.2168	6995.834	469.128479
## 5058 0.109625	3341.8137	6522.999	341.818268
## 5059 0.099141	3569.4749	7028.752	597.176819
## 5060 0.105250	3342.9526	6538.000	723.975403
## 5061 0.099625	3347.5220	6534.000	830.023865
## 5062 0.099375	3356.5007	6529.001	896.517090
## 5063 0.122625	3360.6082	6478.000	860.226807
## 5064 0.115625	3359.8884	6521.000	891.428650
## 5065 0.104471	3706.7214	7314.616	1142.507812
## 5066 0.055913	3651.6362	7391.538	790.786499

## 5067 0.042845	3516.9861	7079.605	924.936584
## 5068 0.051894	3474.8225	6946.213	875.405518
## 5069 0.055417	3685.6553	7361.667	1898.674683
## 5070 0.073387	3700.1755	7333.871	2120.481689
## 5071 0.077019	3819.2490	7556.193	1416.303345
## 5072 0.069750	3321.9172	6603.001	283.582764
## 5073 0.090092	3786.9688	7422.161	1313.255249
## 5074 0.081375	3328.3284	6519.000	743.698669
## 5075 0.077790	3412.7700	6699.109	1484.643921
## 5076 0.063989	3773.3010	7660.902	1507.219360
## 5077 0.068056	3454.5735	6980.557	1162.059570
## 5078 0.095708	3749.3613	7415.062	908.640259
## 5079 0.087002	3422.4766	7395.291	63.364887
## 5080 0.088672	3565.2634	7534.375	322.456757
## 5081 0.103000	3333.4983	6570.001	705.205933
## 5082 0.135875	3323.4153	6475.000	733.475037
## 5083 0.078641	3772.7930	7587.618	971.947693
## 5084 0.081796	3725.1594	7292.062	2644.950439
## 5085 0.083390	3754.4082	7368.493	1375.612427
## 5086 0.087500	3619.7356	7106.111	1604.303833
## 5087 0.101659	3789.9578	7345.679	1921.020264
## 5088 0.087817	3745.6113	7347.101	1055.588379
## 5089 0.059500	3337.0005	6591.000	1731.397461
## 5090 0.077303	3546.3972	6978.290	1751.286621
## 5091 0.090781	3587.2344	6953.749	1767.943604
## 5092 0.116741	3433.7979	6521.431	2026.489746
## 5093 0.108528	3937.0557	7659.940	1351.497681
## 5094 0.103438	3725.4260	7214.168	1533.622314
## 5095 0.093750	3354.2700	6488.001	1110.384766
## 5096 0.083542	3454.3503	6750.001	1015.974365
## 5097 0.092947	3854.1238	7614.241	1164.351440
## 5098 0.063657	3650.5017	7260.647	128.933945
## 5099 0.058915	3427.5955	6927.940	461.881104
## 5100 0.046418	3560.1265	7125.000	2823.010010
## 5101 0.057404	3694.0300	7398.076	1568.846436
## 5102 0.068979	3830.8826	7691.009	1361.283203
## 5103 0.071010	3709.8567	7393.845	2010.162109
## 5104 0.052179	3715.3054	7481.250	1696.149780
## 5105 0.061706	3689.7161	7383.335	2018.728516
## 5106 0.047385	3585.6375	7262.757	1395.823730
## 5107 0.048365	3641.2444	7423.079	690.167847
## 5108 0.070909	3486.7319	7276.365	615.909485
## 5109 0.091875	3349.5142	6480.000	1269.598267
## 5110 0.057445	3490.3271	6936.030	1755.935547
## 5111 0.137022	3771.1321	7246.430	994.664246
## 5112 0.145472	3929.0059	7590.339	1008.331665
## 5113 0.146312	3914.3110	7553.393	1148.902832
## 5114 0.147467	3882.3440	7454.735	1193.809204
## 5115 0.141294	3891.8494	7524.124	1158.774170
## 5116 0.146316	3958.0737	7586.443	1216.407471
## 5117 0.140416	3931.0994	7587.740	1210.784180
## 5118 0.109568	3904.1274	7671.047	1480.919800
## 5119 0.106095	3914.5918	7685.895	793.391479
## 5120 0.121905	3725.7644	7342.065	2306.119629

## 5121 0.134448	3867.4851	7357.366	1959.789307
## 5122 0.144684	3967.9009	7520.178	1925.495239
## 5123 0.159403	3997.6143	7502.685	1864.188599
## 5124 0.153228	3976.9746	7495.728	1778.226318
## 5125 0.078125	3072.3169	6954.861	293.842773
## 5126 0.107473	3881.4404	7714.943	945.804138
## 5127 0.076524	3538.6750	7050.611	1144.604248
## 5128 0.117373	3763.7209	7651.138	658.861389
## 5129 0.127471	3690.5613	7463.228	782.270874
## 5130 0.091250	3521.2493	6859.288	1083.687012
## 5131 0.081800	3791.3186	7509.489	322.412323
## 5132 0.054500	3313.2041	6609.002	190.357529
## 5133 0.038685	3351.1248	6834.482	225.243484
## 5134 0.054750	3303.3789	6620.000	236.127975
## 5135 0.102221	3893.8127	7579.533	1243.366089
## 5136 0.063839	3619.3350	7223.472	251.708160
## 5137 0.043875	3262.1250	6650.001	248.638870
## 5138 0.067241	3406.8662	6796.552	1021.359192
## 5139 0.077000	3324.1582	6610.000	1199.364380
## 5140 0.082317	3771.9841	7488.112	1544.147461
## 5141 0.069875	3301.6860	6606.001	599.555176
## 5142 0.100647	3266.0215	6688.795	446.452423
## 5143 0.068125	3324.5254	6565.001	637.621582
## 5144 0.100719	3836.2617	7486.948	829.102234
## 5145 0.125213	3883.3008	7499.845	832.503845
## 5146 0.110147	3795.9250	7359.878	948.118774
## 5147 0.122683	3853.6484	7461.855	728.807373
## 5148 0.122115	3384.6072	6509.615	541.736389
## 5149 0.108750	3343.0508	6493.000	482.520508
## 5150 0.094676	3402.0254	6610.186	900.380554
## 5151 0.110855	3842.5828	7486.188	904.945618
## 5152 0.077500	3294.6938	6611.001	247.577713
## 5153 0.080750	3275.4924	6530.000	420.784302
## 5154 0.086125	3352.8645	6469.000	1323.932983
## 5155 0.090541	3549.0110	6901.352	621.844421
## 5156 0.126667	3427.3630	6668.333	261.982086
## 5157 0.101516	3823.7473	7425.496	2045.512695
## 5158 0.121425	3829.2988	7473.482	673.399841
## 5159 0.160625	3266.5071	6320.999	37.536804
## 5160 0.114228	3772.3909	7488.259	629.294495
## 5161 0.086914	3462.2361	6755.471	635.839172
## 5162 0.142489	3777.8035	7473.094	431.677124
## 5163 0.117815	3494.4475	7405.139	907.943481
## 5164 0.139292	3743.7598	7172.796	666.862976
## 5165 0.108875	3345.7383	6476.000	570.144714
## 5166 0.145046	3745.2598	7395.731	472.030457
## 5167 0.130134	3525.3613	7103.573	319.679657
## 5168 0.122961	3830.2139	7393.683	1023.941467
## 5169 0.094913	3618.7212	7061.046	1071.099854
## 5170 0.097599	3820.4436	7459.739	1078.052979
## 5171 0.117806	3902.9712	7557.557	1065.055542
## 5172 0.127328	3827.2761	7397.549	691.437134
## 5173 0.094832	3358.4629	6571.154	765.686157
## 5174 0.078711	3450.1638	6843.751	688.698853

## 5175 0.099409	3539.7869	6932.433	883.784973
## 5176 0.113791	3627.7224	7064.675	1010.516357
## 5177 0.062625	3310.0557	6609.000	984.783203
## 5178 0.100263	3654.2822	7504.829	618.706360
## 5179 0.111764	3906.1592	7618.857	750.005432
## 5180 0.060750	3319.1724	6590.001	1544.744385
## 5181 0.125446	3612.0571	6933.333	1120.193604
## 5182 0.096375	3352.4753	6492.999	1391.347900
## 5183 0.100164	3573.6545	6898.684	2145.706787
## 5184 0.103250	3349.0339	6479.000	2020.669922
## 5185 0.100827	3523.6233	6851.472	1495.556885
## 5186 0.138393	3536.9966	6773.572	868.299988
## 5187 0.110069	3639.4995	7011.111	1767.508179
## 5188 0.108936	3704.4548	7220.178	1457.292847
## 5189 0.119648	3737.0928	7345.625	558.389282
## 5190 0.115294	3794.3667	7325.881	938.446716
## 5191 0.100660	3718.7932	7349.298	1822.204956
## 5192 0.085700	3795.1365	7466.578	1307.779541
## 5193 0.123772	3431.8059	6599.110	1063.563599
## 5194 0.109171	3854.5513	7519.744	969.026428
## 5195 0.122750	3359.7314	6440.000	729.598999
## 5196 0.154977	3382.4368	6528.704	747.391174
## 5197 0.166268	3339.4006	6711.766	922.224121
## 5198 0.101430	3428.0688	7244.070	692.040527
## 5199 0.098785	3522.6794	6905.556	566.908203
## 5200 0.107688	3727.2153	7215.873	666.850586
## 5201 0.085389	3559.7781	6910.136	1229.709595
## 5202 0.098910	3770.1648	7409.594	631.158813
## 5203 0.151177	3852.1394	7402.315	927.048096
## 5204 0.138913	3865.8423	7567.123	489.673737
## 5205 0.071847	3766.5225	7557.965	590.079773
## 5206 0.043152	3580.8640	7238.300	328.328888
## 5207 0.126942	3912.4966	7570.052	1484.836548
## 5208 0.135817	3744.3755	7145.383	1584.015991
## 5209 0.117127	3666.3652	7088.944	975.762207
## 5210 0.079977	3371.9412	6624.075	912.215210
## 5211 0.098958	3495.4443	6777.272	811.728821
## 5212 0.102662	3372.3186	6531.482	1307.723999
## 5213 0.102375	3357.5652	6434.001	1648.306152
## 5214 0.084250	3343.8042	6484.000	895.246582
## 5215 0.102129	3873.5952	7594.730	605.907166
## 5216 0.141855	3922.5547	7524.197	935.454163
## 5217 0.099125	3342.7742	6463.001	887.965820
## 5218 0.055679	3737.6104	7552.955	153.612656
## 5219 0.101259	3757.6123	7315.281	1046.475342
## 5220 0.098080	3747.4614	7282.145	1120.141724
## 5221 0.085812	3774.1421	7416.089	817.092468
## 5222 0.075910	3730.0935	7434.179	312.835022
## 5223 0.105265	3765.0146	7274.999	1488.806519
## 5224 0.128791	3734.3069	7125.001	1552.700806
## 5225 0.095153	3846.8914	7552.892	552.348267
## 5226 0.105280	3706.5950	7150.431	1520.510986
## 5227 0.095272	3574.4749	6914.747	1148.041382
## 5228 0.127406	3886.1211	7569.131	975.624390

## 5229 0.213248	3789.5645	7058.803	1276.530273
## 5230 0.160625	3376.5981	6326.000	1377.741089
## 5231 0.141717	3898.7427	7468.951	1272.375732
## 5232 0.097286	3535.3567	6874.343	1362.786133
## 5233 0.065250	3284.2642	6596.000	142.062119
## 5234 0.060069	3480.1208	7000.000	171.392761
## 5235 0.072625	3304.5613	6584.000	1254.645508
## 5236 0.121414	3723.4368	7256.147	2467.052002
## 5237 0.080534	3791.3035	7646.514	1793.767822
## 5238 0.121875	3905.4626	7575.264	1209.368408
## 5239 0.132347	3970.7295	7623.630	1704.568359
## 5240 0.138133	3742.1101	7198.311	1382.040527
## 5241 0.123824	3728.4216	7582.655	1140.923706
## 5242 0.119780	3940.5837	7613.061	1073.835327
## 5243 0.120752	3890.4214	7511.177	1071.533203
## 5244 0.128279	3934.3682	7527.380	1190.833130
## 5245 0.138871	3942.3149	7565.348	974.954285
## 5246 0.124041	3972.7656	7646.908	1560.412476
## 5247 0.111379	3606.4302	7578.830	1042.223633
## 5248 0.085817	3581.1082	7051.284	480.253418
## 5249 0.096007	3785.2422	7498.055	329.842804
## 5250 0.081841	3527.8713	7013.515	1102.324341
## 5251 0.074750	3334.0728	6600.000	1070.572998
## 5252 0.086293	3593.2017	7137.502	1683.958008
## 5253 0.062054	3410.6836	6997.857	1564.728760
## 5254 0.068074	3460.5779	6956.081	801.391113
## 5255 0.081205	3689.3801	7332.246	589.731445
## 5256 0.084212	3801.6885	7492.831	1083.381104
## 5257 0.154029	3832.3335	7529.792	945.766724
## 5258 0.103421	3811.7749	7437.368	1856.722900
## 5259 0.089012	3470.3328	6750.000	1641.195068
## 5260 0.147561	3615.6963	6884.146	2075.601074
## 5261 0.096782	3860.7549	7637.007	910.874329
## 5262 0.092472	3611.6880	7052.273	737.658264
## 5263 0.076250	3589.6458	7126.112	454.124298
## 5264 0.099724	3503.0188	6826.473	591.474487
## 5265 0.075760	3541.1082	6973.650	1112.078613
## 5266 0.087963	3762.3130	7432.102	678.835693
## 5267 0.111428	3881.1077	7563.955	915.794067
## 5268 0.113090	3679.2661	7149.527	814.709961
## 5269 0.071500	3324.9641	6567.000	597.200012
## 5270 0.106326	3591.0566	7018.293	810.297363
## 5271 0.079750	3329.7112	6550.000	625.969910
## 5272 0.103750	3343.1963	6477.000	228.574127
## 5273 0.078646	3446.0586	6929.167	434.809235
## 5274 0.034375	3013.6851	6652.001	6.133428
## 5275 0.035243	3407.7056	7350.464	7.946158
## 5276 0.101367	3361.2988	6764.845	49.848072
## 5277 0.114484	3710.9785	7293.650	337.390717
## 5278 0.116202	3735.6965	7321.537	358.374298
## 5279 0.135125	3361.1045	6495.000	296.776276
## 5280 0.118875	3349.5042	6523.999	450.658539
## 5281 0.121394	3382.5552	6540.385	431.108673
## 5282 0.141933	3625.0151	6980.234	734.774048

## 5283 0.110592	3820.4880	7461.315	678.780029
## 5284 0.100372	3791.8572	7435.716	887.703491
## 5285 0.068677	3582.7815	7139.533	1524.044800
## 5286 0.062277	3382.9978	6761.607	1671.313599
## 5287 0.060375	3309.7214	6656.000	1262.383545
## 5288 0.062872	3579.4800	7142.857	1543.106689
## 5289 0.062625	3316.1345	6599.001	736.213867
## 5290 0.124375	3360.2102	6475.000	1324.663696
## 5291 0.102930	3362.1814	6784.378	1829.553467
## 5292 0.098561	3126.7214	7320.240	1.223619
## 5293 0.064062	3517.4885	6971.528	664.417786
## 5294 0.070427	3504.6985	7080.488	330.915680
## 5295 0.102997	3688.0078	7323.633	594.870850
## 5296 0.098769	3733.2312	7278.787	1729.386108
## 5297 0.090733	3433.9678	6711.209	1118.768188
## 5298 0.104375	3319.5305	6501.001	825.509277
## 5299 0.104133	3802.0520	7444.891	1375.290771
## 5300 0.159256	3829.0168	7327.145	1002.707336
## 5301 0.117057	3812.7588	7433.075	1790.639038
## 5302 0.093418	3800.2026	7480.320	1717.128174
## 5303 0.117420	3819.2930	7477.476	1611.386475
## 5304 0.109948	3825.7415	7503.214	1681.668701
## 5305 0.123132	3802.3936	7403.804	1578.985474
## 5306 0.126163	3605.7324	7012.209	1058.525879
## 5307 0.104447	3364.7585	6618.269	1449.558960
## 5308 0.110202	3511.1045	6838.236	1289.026123
## 5309 0.104435	3811.6997	7423.387	1669.779175
## 5310 0.108052	3829.9841	7516.892	1799.269043
## 5311 0.128819	3784.4912	7337.653	1695.529297
## 5312 0.115125	3336.1370	6539.000	1416.733643
## 5313 0.189320	3791.2422	7194.620	1101.436401
## 5314 0.219687	3611.0188	6708.751	537.231873
## 5315 0.161125	3868.8330	7416.202	844.304260
## 5316 0.097165	3846.6265	7601.429	1207.142456
## 5317 0.068304	3503.9763	6996.429	1810.621094
## 5318 0.093583	3611.8728	7212.947	495.808685
## 5319 0.117342	3833.1772	7449.473	1024.834229
## 5320 0.118961	3836.0327	7476.383	1054.484131
## 5321 0.129129	3808.3599	7422.994	638.548645
## 5322 0.057422	3413.0361	7645.312	205.068542
## 5323 0.110789	3753.3823	7614.854	1685.825439
## 5324 0.119641	3904.2935	7491.968	2016.927979
## 5325 0.113795	3733.3469	7211.071	1716.516846
## 5326 0.119355	3845.2444	7452.742	1858.705933
## 5327 0.098387	3706.8330	7208.064	1696.810669
## 5328 0.110674	3905.3650	7581.098	1933.270264
## 5329 0.106858	3889.2183	7502.225	2091.709961
## 5330 0.090495	3565.0713	7610.996	1394.826782
## 5331 0.090204	3666.1721	7107.212	2600.721436
## 5332 0.094778	3752.0024	7612.938	1472.753784
## 5333 0.089844	3536.8630	7001.251	864.906494
## 5334 0.093149	3349.4119	6578.847	1045.962158
## 5335 0.090434	3615.5967	7147.449	1041.632568
## 5336 0.086458	3436.8909	6719.169	1506.878418

## 5337 0.095822	3909.4492	7734.466	862.640869
## 5338 0.089611	3880.1377	7617.280	1213.482666
## 5339 0.091215	3652.2891	7211.321	1551.999756
## 5340 0.094133	3613.5354	7181.123	437.959198
## 5341 0.081114	3617.5879	7087.499	1185.582642
## 5342 0.065865	3348.7749	6611.539	1393.356689
## 5343 0.089793	3856.9651	7594.969	1431.517090
## 5344 0.093320	3594.1670	7671.177	474.606354
## 5345 0.092915	3855.3398	7610.685	511.610809
## 5346 0.112912	3900.2571	7620.901	745.972534
## 5347 0.105030	3454.6528	6991.464	261.647308
## 5348 0.117067	3627.8640	7109.616	656.577271
## 5349 0.091863	3631.1091	7148.587	720.277344
## 5350 0.095466	3621.9302	7126.469	374.874084
## 5351 0.062562	3371.2444	7257.002	111.360481
## 5352 0.071038	3582.6843	7304.467	331.974701
## 5353 0.098429	3875.9609	7568.587	1710.661011
## 5354 0.106416	3878.4758	7538.757	1613.510986
## 5355 0.102321	3899.2539	7570.874	1879.216675
## 5356 0.095625	3589.4617	7116.001	1325.733398
## 5357 0.105576	3900.8232	7630.532	1890.663086
## 5358 0.096750	3780.0627	7297.333	2134.138428
## 5359 0.104109	3708.6262	7105.556	2200.850098
## 5360 0.099375	3741.7065	7254.998	1890.632202
## 5361 0.089219	3678.0095	7236.250	1142.299072
## 5362 0.094231	3589.5696	7171.638	1025.813843
## 5363 0.099405	3592.4033	6976.787	1494.999023
## 5364 0.094942	3738.5879	7347.699	1365.179932
## 5365 0.112057	3853.9160	7463.778	1437.611084
## 5366 0.105917	3739.9338	7361.002	1000.886230
## 5367 0.094625	3311.3823	6505.001	998.384521
## 5368 0.108894	3790.5786	7461.968	756.042908
## 5369 0.095902	3800.2024	7545.032	685.568848
## 5370 0.145005	3937.3398	7613.627	1409.094482
## 5371 0.133701	3662.8262	7001.471	1629.593750
## 5372 0.135817	3867.3672	7446.796	1518.014771
## 5373 0.148984	3822.2568	7590.076	807.051575
## 5374 0.169317	3938.7742	7530.911	904.090271
## 5375 0.155299	3634.0596	6954.891	620.430115
## 5376 0.161166	3801.6370	7306.180	580.948425
## 5377 0.169830	3695.0530	7017.727	884.585388
## 5378 0.159978	3700.6655	7092.545	663.812500
## 5379 0.165290	3827.3660	7332.591	709.297791
## 5380 0.138701	3818.4270	7590.722	961.140076
## 5381 0.142472	3842.5679	7379.093	930.038391
## 5382 0.155021	3746.3601	7084.016	1606.673950
## 5383 0.121621	3841.4941	7547.489	954.071411
## 5384 0.103525	3789.8428	7367.153	1504.705566
## 5385 0.113808	3842.9153	7469.767	1404.078003
## 5386 0.099399	3390.1157	6466.346	2653.350830
## 5387 0.106956	3753.5947	7490.527	762.460022
## 5388 0.120603	3867.8896	7512.243	883.558411
## 5389 0.094705	3521.4934	6939.584	166.323273
## 5390 0.108871	3870.0884	7526.128	1207.430542

## 5391 0.090015	3566.0420	7034.146	576.051208
## 5392 0.103750	3361.8093	6401.001	1899.269165
## 5393 0.098384	3114.0547	6654.313	707.618713
## 5394 0.041500	2493.6956	6660.999	2.009577
## 5395 0.098698	3513.1072	6870.835	344.606476
## 5396 0.088125	3282.1433	6479.999	364.578552
## 5397 0.135000	3443.5862	6521.667	1271.697021
## 5398 0.115283	3862.8516	7540.188	1008.000671
## 5399 0.100373	3653.9775	7251.867	706.912720
## 5400 0.107783	3602.2053	7108.490	457.187164
## 5401 0.136843	3874.4207	7555.701	1118.640259
## 5402 0.142022	3852.2532	7544.362	1170.933350
## 5403 0.136594	3813.6418	7505.759	1109.817505
## 5404 0.128480	3853.3369	7571.466	1042.882080
## 5405 0.114907	3765.2075	7447.408	911.251465
## 5406 0.102280	3926.7529	7732.234	1132.521484
## 5407 0.092838	3953.1165	7742.250	1103.366943
## 5408 0.104931	3901.6721	7559.167	1621.074219
## 5409 0.079643	3513.3999	6938.573	528.447388
## 5410 0.095061	3764.2417	7483.033	1384.927612
## 5411 0.112819	3893.1746	7553.979	1166.334229
## 5412 0.097175	3850.7820	7538.867	913.552979
## 5413 0.072656	3413.5195	6684.822	919.248047
## 5414 0.092036	3477.1743	6712.904	954.599243
## 5415 0.116875	3340.0000	6402.999	1238.059692
## 5416 0.124472	3761.8103	7200.354	1332.913940
## 5417 0.127103	3677.0835	7027.405	713.115967
## 5418 0.061445	3721.6951	7472.403	1057.626831
## 5419 0.075888	3782.2317	7511.649	1862.868774
## 5420 0.080574	3750.6975	7447.637	1930.906494
## 5421 0.094622	3475.6931	7045.350	651.126343
## 5422 0.117067	3375.2112	6473.078	331.490570
## 5423 0.126647	3774.2764	7220.271	729.606201
## 5424 0.117216	3709.4590	7125.455	705.676147
## 5425 0.093050	3747.9700	7276.494	918.541992
## 5426 0.106250	3758.6785	7290.627	683.819458
## 5427 0.133892	3833.9802	7319.847	667.604370
## 5428 0.123547	3848.4187	7429.390	645.997131
## 5429 0.129129	3432.6560	6541.964	765.401245
## 5430 0.139892	3792.7632	7233.643	678.611511
## 5431 0.103026	3735.6716	7234.524	896.583191
## 5432 0.102280	3765.0479	7332.434	939.231201
## 5433 0.114428	3825.0576	7343.885	1076.701294
## 5434 0.116970	3773.9255	7241.668	985.389648
## 5435 0.103472	3536.7344	6885.419	418.178284
## 5436 0.094602	3496.8235	6828.032	637.196106
## 5437 0.140146	3905.0195	7471.296	812.537781
## 5438 0.112418	3768.2175	7340.791	639.894226
## 5439 0.133594	3638.3071	6909.660	915.310181
## 5440 0.144589	3898.8152	7378.187	959.403076
## 5441 0.123478	3579.4856	6870.513	624.184204
## 5442 0.095446	3526.1670	6867.857	655.471558
## 5443 0.105746	3847.7871	7499.801	790.857666
## 5444 0.127922	3782.8044	7242.207	900.557983

## 5445 0.122351	3648.4243	6970.652	833.260559
## 5446 0.104259	3851.8713	7523.384	831.491699
## 5447 0.105842	3622.9395	7071.741	747.661682
## 5448 0.143945	3477.2952	6646.096	49.948544
## 5449 0.114702	3555.4524	6989.774	643.396606
## 5450 0.086921	3389.8691	6587.038	1359.034546
## 5451 0.075325	3724.9788	7522.134	373.236938
## 5452 0.078478	3720.7241	7541.532	828.197205
## 5453 0.063567	3570.4490	7093.293	1639.120972
## 5454 0.055500	3285.4729	6618.000	263.607056
## 5455 0.051683	3313.3684	6668.270	277.631531
## 5456 0.066056	3411.6438	6765.517	1739.419189
## 5457 0.082535	3819.0864	7560.886	1819.664795
## 5458 0.069625	3304.0308	6570.000	218.081223
## 5459 0.071042	3421.3557	6770.834	461.851105
## 5460 0.060352	3411.9424	6875.783	136.910858
## 5461 0.058958	3602.4563	7343.335	446.653351
## 5462 0.076943	3503.0232	6955.406	505.219604
## 5463 0.071776	3614.2898	7344.045	312.923248
## 5464 0.089020	3529.5642	6908.107	938.843262
## 5465 0.073042	3289.9575	7446.991	306.591522
## 5466 0.100000	3357.7466	6510.999	1558.510254
## 5467 0.094608	3665.7749	7152.940	1339.007812
## 5468 0.090875	3336.6658	6493.002	1101.493652
## 5469 0.118958	3463.3423	6651.668	756.227234
## 5470 0.097466	3561.9270	6895.271	960.074219
## 5471 0.133165	3460.3948	6712.905	496.473846
## 5472 0.094840	3598.9465	7031.979	1355.308594
## 5473 0.072949	3484.3008	6817.189	1516.023071
## 5474 0.089699	3387.0542	6598.149	1403.850586
## 5475 0.098785	3537.7927	6863.197	1769.263916
## 5476 0.092125	3239.4814	6522.001	1041.498291
## 5477 0.093958	3437.5369	6835.835	2099.327637
## 5478 0.087031	3577.1887	7102.500	1927.284302
## 5479 0.090750	3350.1768	6556.000	1685.945435
## 5480 0.114854	3760.5674	7342.466	1138.967163
## 5481 0.116548	3638.5227	7018.749	486.082794
## 5482 0.116179	3723.5151	7231.049	650.616638
## 5483 0.142031	3599.6287	6874.375	648.173584
## 5484 0.154092	3616.6323	6889.882	589.833374
## 5485 0.114205	3817.3196	7426.012	1046.451538
## 5486 0.128947	3554.4500	6887.500	860.188110
## 5487 0.108640	3663.6487	7163.237	1047.701782
## 5488 0.134500	3292.1050	6408.001	258.049774
## 5489 0.137988	3425.5596	6617.969	1328.123901
## 5490 0.096000	3359.0596	6441.001	1351.261597
## 5491 0.117349	3308.7844	6533.621	1192.328369
## 5492 0.183026	3634.8630	6864.205	533.570557
## 5493 0.051146	3416.8206	6870.834	1110.154297
## 5494 0.152577	3674.4214	7077.629	450.601044
## 5495 0.141146	3729.1304	7109.166	1366.509399
## 5496 0.101429	3808.0632	7420.000	1817.133667
## 5497 0.105469	3821.9060	7434.636	1492.762939
## 5498 0.123737	3771.6013	7362.767	800.041931

## 5499 0.147541	3721.4209	7175.412	1574.989258
## 5500 0.081410	3553.0310	7020.515	1997.736206
## 5501 0.101339	3653.4949	7146.939	1731.566162
## 5502 0.093008	3687.9812	7265.254	1543.470459
## 5503 0.114029	3792.5647	7464.402	1697.680176
## 5504 0.093387	3599.8870	7035.464	1423.347534
## 5505 0.117067	3372.2949	6561.537	1367.692017
## 5506 0.108915	3490.4944	6898.529	1534.961670
## 5507 0.124563	3803.1692	7391.934	1609.417725
## 5508 0.118215	3823.8987	7493.245	1596.013184
## 5509 0.106289	3782.3970	7370.373	1662.486084
## 5510 0.074125	3319.1160	6560.001	1594.225098
## 5511 0.110600	3756.2817	7368.921	1717.948730
## 5512 0.080997	3521.8230	6960.811	1847.529419
## 5513 0.138468	3827.8745	7445.134	1557.413574
## 5514 0.182775	3932.6807	7487.507	930.251770
## 5515 0.080515	3502.3149	6941.911	2273.345459
## 5516 0.079688	3358.5557	6664.424	1659.832520
## 5517 0.080040	3456.1155	6843.549	1869.882568
## 5518 0.058049	3467.0493	6956.062	2181.520264
## 5519 0.065162	3335.3623	6710.186	959.912109
## 5520 0.109491	3357.6296	6551.853	833.432434
## 5521 0.138426	3407.9395	6412.964	2013.555176
## 5522 0.148125	3471.3721	6513.333	1768.241699
## 5523 0.111500	3333.4465	6471.001	712.565796
## 5524 0.092187	3873.1560	7603.613	861.174561
## 5525 0.086811	3697.1252	7242.796	1663.000854
## 5526 0.123978	3691.8164	7034.617	1799.337280
## 5527 0.103935	3390.8408	6526.853	2209.877930
## 5528 0.083836	3375.8582	6738.793	136.903107
## 5529 0.056250	3319.7664	6653.847	211.150940
## 5530 0.051500	3302.3555	6614.000	237.617371
## 5531 0.066487	3428.3337	6753.449	1572.839233
## 5532 0.120098	3924.7380	7552.141	1952.811768
## 5533 0.119245	3779.2537	7298.781	1279.605713
## 5534 0.076723	3791.1018	7526.399	1123.105957
## 5535 0.096088	3913.5413	7649.901	1550.029663
## 5536 0.099792	3470.0425	6639.167	3038.261230
## 5537 0.103058	3654.7937	7038.298	2482.435059
## 5538 0.088672	3544.9109	6961.874	1133.807739
## 5539 0.067847	3561.4370	7164.445	151.809875
## 5540 0.057625	3309.6440	6609.001	180.658783
## 5541 0.082686	3547.8757	6915.541	2346.445312
## 5542 0.072185	3800.7722	7559.460	1492.390625
## 5543 0.100671	3894.8625	7613.088	1360.360840
## 5544 0.078770	3688.7751	7326.586	431.858398
## 5545 0.101563	3816.1760	7418.488	2189.283936
## 5546 0.121229	3917.8555	7579.752	1540.829224
## 5547 0.075000	3707.9783	7417.665	710.637451
## 5548 0.071057	3566.1138	7106.548	196.844986
## 5549 0.119677	3849.6841	7390.468	1734.203857
## 5550 0.102841	3888.9014	7582.058	1012.799683
## 5551 0.088116	3927.8601	7739.993	1535.988037
## 5552 0.097344	3558.9204	6948.127	949.343811

## 5553 0.090500	3324.4473	6481.001	808.723999
## 5554 0.123438	3494.9197	6746.529	1447.074463
## 5555 0.115875	3344.1680	6402.001	2052.284668
## 5556 0.122443	3677.6758	7047.727	2074.751465
## 5557 0.129355	3962.1719	7638.117	1720.974487
## 5558 0.168378	3934.5352	7381.704	1822.492432
## 5559 0.139134	3846.8403	7547.095	1919.921509
## 5560 0.155455	3997.4272	7519.416	1902.678345
## 5561 0.158924	3982.9417	7474.622	1712.226440
## 5562 0.147899	3885.8762	7489.521	1677.196411
## 5563 0.113363	3899.7544	7570.236	1650.037231
## 5564 0.124092	3947.6936	7572.482	1645.472656
## 5565 0.115190	3924.0579	7585.650	1484.156494
## 5566 0.124159	3779.4246	7237.824	1444.558350
## 5567 0.133194	3960.8853	7574.675	1517.077393
## 5568 0.131823	3945.4299	7592.001	1078.091797
## 5569 0.116706	3959.0820	7667.946	1388.743530
## 5570 0.132808	3977.4268	7604.011	1599.708862
## 5571 0.133530	3565.9714	6721.623	1606.385986
## 5572 0.120375	3363.2449	6374.000	1334.950928
## 5573 0.158160	3564.8872	6645.834	1228.993286
## 5574 0.108250	3361.6174	6431.000	1136.165649
## 5575 0.137372	3781.0979	7171.233	1122.490234
## 5576 0.133140	3868.6362	7354.434	1673.049072
## 5577 0.121030	3571.6873	6793.919	1299.846313
## 5578 0.112340	3579.2708	6868.591	1408.543457
## 5579 0.115783	3248.5735	7300.950	1478.823242
## 5580 0.103901	3845.1550	7606.544	1769.444946
## 5581 0.035884	3385.4180	7356.033	550.096375
## 5582 0.143750	3656.3076	6909.373	1434.317749
## 5583 0.158894	3574.9458	6736.538	1221.245483
## 5584 0.111500	3331.2991	6396.000	1631.034790
## 5585 0.127298	3746.5525	7174.631	1234.422607
## 5586 0.069424	3622.6965	7218.138	199.718796
## 5587 0.054418	3391.5349	6794.828	169.800293
## 5588 0.087568	3858.4792	7536.052	1538.163696
## 5589 0.078931	3448.5674	6788.711	752.888550
## 5590 0.083437	3642.1511	7161.000	653.909973
## 5591 0.055529	3341.9194	6660.577	277.515656
## 5592 0.128606	3452.3855	6666.027	380.761353
## 5593 0.136480	3903.3984	7527.441	547.130493
## 5594 0.091160	3730.0332	7376.318	1537.294312
## 5595 0.082760	3694.9011	7547.037	624.147522
## 5596 0.085875	3218.7214	6530.001	470.253479
## 5597 0.107719	3796.9932	7401.752	1816.081421
## 5598 0.110029	3913.0073	7654.486	1922.398926
## 5599 0.074000	3279.6936	6562.000	977.897522
## 5600 0.048281	3517.9272	7372.500	1451.277588
## 5601 0.076164	3737.2180	7502.660	843.820190
## 5602 0.087293	3810.1033	7615.062	1005.939575
## 5603 0.097902	3689.6624	7341.427	1178.307739
## 5604 0.086557	3549.3716	7226.888	454.368958
## 5605 0.072750	3294.7097	6622.000	513.249756
## 5606 0.111590	3913.6191	7642.666	1981.092407

## 5607 0.133500	3303.7654	6357.000	1175.394531
## 5608 0.070415	3770.5249	7656.887	1365.207275
## 5609 0.072266	3650.1699	7326.954	1129.182251
## 5610 0.055087	3447.3118	7151.164	334.010193
## 5611 0.121296	3634.1250	7135.649	814.482178
## 5612 0.034250	3154.9385	6666.000	118.226456
## 5613 0.133925	3822.4958	7433.196	1743.466675
## 5614 0.110511	3845.9150	7500.570	1633.912476
## 5615 0.124625	3344.9434	6433.999	1137.847656
## 5616 0.133075	3857.3066	7390.711	1955.840210
## 5617 0.113342	3873.7979	7612.286	1018.646545
## 5618 0.093880	3782.1650	7473.696	1058.146118
## 5619 0.125289	3843.5176	7456.096	1518.156128
## 5620 0.097927	3798.7112	7436.223	1650.263306
## 5621 0.103839	3519.5659	6855.714	1747.130615
## 5622 0.131445	3492.5745	6739.845	948.407898
## 5623 0.107054	3833.4788	7457.146	1725.716797
## 5624 0.098884	3428.0854	6658.929	1728.945312
## 5625 0.123406	3818.7966	7419.747	1434.625488
## 5626 0.126145	3897.3052	7641.114	1571.509155
## 5627 0.119498	3907.0461	7656.658	1523.117798
## 5628 0.094861	3879.7815	7718.184	1192.447998
## 5629 0.127548	3950.4277	7615.632	1655.822876
## 5630 0.135190	3938.7593	7596.954	1444.484863
## 5631 0.131861	3951.1973	7523.909	1880.428223
## 5632 0.118237	3862.5825	7442.320	1378.971313
## 5633 0.101554	3840.3767	7558.701	816.725586
## 5634 0.144926	3905.7109	7390.028	1834.791992
## 5635 0.134887	3956.8118	7598.189	1510.628784
## 5636 0.141084	3930.0459	7532.345	1424.266846
## 5637 0.148289	3954.5591	7558.926	1459.570801
## 5638 0.132899	3951.3901	7577.405	1483.853516
## 5639 0.124079	3912.6365	7564.312	1436.113281
## 5640 0.122702	3926.6589	7637.034	1210.384521
## 5641 0.148005	3958.4563	7541.252	1527.579224
## 5642 0.135462	3955.4543	7597.337	1462.173218
## 5643 0.138998	3940.6741	7537.527	1493.528687
## 5644 0.132609	3937.5515	7591.017	1685.899658
## 5645 0.130537	3943.1487	7623.075	1471.055298
## 5646 0.115039	3716.6394	7384.115	749.921814
## 5647 0.123516	3787.0454	7330.313	1052.736694
## 5648 0.119134	3680.4353	7134.649	1113.595581
## 5649 0.095408	3794.8347	7426.789	1898.461182
## 5650 0.129208	3819.4167	7380.693	963.164856
## 5651 0.131345	3891.4941	7570.053	1162.768799
## 5652 0.133285	3867.1611	7586.484	1429.047241
## 5653 0.110866	3716.8899	7590.229	768.030090
## 5654 0.107051	3851.5688	7621.555	523.692505
## 5655 0.099248	3890.9812	7656.107	697.756165
## 5656 0.095976	3744.2756	7327.055	511.648865
## 5657 0.086523	3604.7517	7141.667	699.152405
## 5658 0.108640	3464.0667	6838.972	369.790009
## 5659 0.081890	3736.8696	7436.748	475.114655
## 5660 0.089099	3773.6270	7427.907	765.540710

## 5661 0.149148	3696.3394	7506.297	306.670715
## 5662 0.168551	3358.0876	6894.147	179.514526
## 5663 0.142516	3431.9023	6818.421	206.965851
## 5664 0.094622	3619.5857	6995.930	1249.928833
## 5665 0.091367	3708.2053	7259.323	870.484802
## 5666 0.124561	3838.4795	7659.539	342.267639
## 5667 0.190625	3531.1440	7443.767	251.495209
## 5668 0.155000	3444.6255	6695.000	198.719177
## 5669 0.161617	3299.5217	6918.476	121.630241
## 5670 0.105044	3672.3818	7233.771	494.976105
## 5671 0.085125	3330.9961	6532.001	999.190369
## 5672 0.111219	3905.2234	7691.481	506.070068
## 5673 0.105068	3721.8997	7309.800	385.836182
## 5674 0.103730	3850.8157	7590.309	739.350952
## 5675 0.091398	3781.7166	7490.981	439.048340
## 5676 0.107500	3786.2346	7374.690	1046.126221
## 5677 0.125329	3691.5728	7130.265	1448.627686
## 5678 0.109503	3797.5164	7383.418	2019.021729
## 5679 0.118188	3813.2537	7391.001	1393.927979
## 5680 0.127094	3807.0735	7417.961	729.032959
## 5681 0.089063	3435.1189	6658.036	3913.220215
## 5682 0.115423	3857.8523	7523.740	1924.352417
## 5683 0.133263	3883.7493	7639.791	720.998718
## 5684 0.133894	3865.3706	7485.212	856.988342
## 5685 0.140083	3950.7915	7579.503	1417.146851
## 5686 0.108875	3224.9463	6473.000	647.550171
## 5687 0.137602	3924.5640	7610.563	1242.285278
## 5688 0.122547	3913.5203	7607.351	1118.783691
## 5689 0.129551	3894.3582	7583.995	1196.746338
## 5690 0.128137	3910.8669	7603.875	1307.447266
## 5691 0.139110	3908.3503	7555.522	1559.733887
## 5692 0.143547	3840.6936	7341.870	1418.660278
## 5693 0.144799	3871.7261	7351.072	1264.617310
## 5694 0.145633	3962.9238	7565.535	1501.828247
## 5695 0.136982	3959.2156	7592.917	1452.665405
## 5696 0.099500	3350.1836	6410.000	1503.993652
## 5697 0.135679	3937.6042	7575.527	1479.729126
## 5698 0.117647	3936.9866	7670.952	883.351562
## 5699 0.112390	3936.8088	7660.365	1092.584229
## 5700 0.114950	3947.3564	7677.333	1094.942871
## 5701 0.141712	3932.8579	7593.007	1522.671509
## 5702 0.122875	3343.4277	6370.000	1377.531860
## 5703 0.124706	3965.2209	7625.794	1561.720093
## 5704 0.113250	3343.8381	6409.000	1324.488281
## 5705 0.126475	3950.2900	7571.413	1624.582642
## 5706 0.141186	3941.5276	7510.195	1622.839233
## 5707 0.140453	3976.7000	7584.916	1592.197266
## 5708 0.144219	3946.5537	7601.019	1455.810181
## 5709 0.116133	3945.8987	7661.584	1012.143555
## 5710 0.115666	3943.8953	7663.413	1212.614014
## 5711 0.116620	3939.0715	7627.667	1195.075073
## 5712 0.139064	3963.1084	7592.532	1575.180298
## 5713 0.121362	3881.0349	7620.151	834.862122
## 5714 0.116681	3887.9668	7613.673	1283.111450

## 5715 0.126314	3840.9631	7563.425	1039.526001
## 5716 0.109196	3464.0786	6788.572	1195.997314
## 5717 0.100000	3658.5850	7188.983	399.606781
## 5718 0.125797	3858.7463	7519.969	1305.083252
## 5719 0.109512	3806.8845	7438.376	1308.131592
## 5720 0.097184	3791.0542	7395.605	1976.839722
## 5721 0.126103	3794.8845	7336.471	1009.849060
## 5722 0.117426	3689.7961	7225.848	894.758789
## 5723 0.116223	3650.3093	7093.085	2187.677734
## 5724 0.107958	3776.1968	7335.667	2265.630859
## 5725 0.125601	3676.4971	7126.922	1393.144531
## 5726 0.134492	3778.8767	7307.187	1018.802368
## 5727 0.090761	3592.1284	7117.934	447.054169
## 5728 0.085232	3784.4844	7538.305	1109.244995
## 5729 0.081658	3549.5422	7143.480	744.728821
## 5730 0.089160	3485.0242	6757.031	1501.736450
## 5731 0.087642	3602.7610	7040.342	1212.817505
## 5732 0.045486	2901.0923	6703.704	67.091156
## 5733 0.061458	3779.7361	7551.823	1805.911255
## 5734 0.076159	3813.3865	7574.192	2386.249268
## 5735 0.080192	3675.8948	7335.385	557.883240
## 5736 0.077120	3821.0928	7602.501	1671.232544
## 5737 0.103663	3794.8630	7408.064	2056.972412
## 5738 0.056625	3325.8167	6599.001	1067.181030
## 5739 0.078950	3738.8486	7387.501	1964.202026
## 5740 0.080461	3810.1804	7487.122	2340.934082
## 5741 0.087373	3849.8328	7536.790	1848.341187
## 5742 0.106111	3573.1082	7078.889	709.417603
## 5743 0.092399	3734.8765	7352.365	474.443665
## 5744 0.084704	3515.2112	6987.500	401.613647
## 5745 0.076074	3465.4612	6836.719	2114.531494
## 5746 0.068287	3396.3420	6642.593	2694.580811
## 5747 0.053750	3322.6487	6604.001	1612.071777
## 5748 0.083428	3484.2810	6857.576	2058.108154
## 5749 0.054625	3342.8640	6595.999	2486.998291
## 5750 0.077280	3541.1018	6954.054	1406.261597
## 5751 0.079861	3531.9822	6932.640	2095.959717
## 5752 0.078966	3342.3706	6635.578	1102.007812
## 5753 0.085625	3345.7307	6540.000	1700.680420
## 5754 0.080994	3706.8425	7311.884	1555.377441
## 5755 0.086895	3459.5840	6825.001	730.861389
## 5756 0.077083	3426.0129	6833.335	735.629333
## 5757 0.109106	3710.9946	7208.190	1601.886230
## 5758 0.110529	3735.5508	7286.153	1540.681152
## 5759 0.065375	3333.1631	6579.000	1355.209717
## 5760 0.049500	3266.5945	6646.000	864.545044
## 5761 0.136852	3795.6082	7289.331	1684.251343
## 5762 0.128265	3754.9788	7245.150	1708.136841
## 5763 0.117500	3351.8669	6462.999	1173.505249
## 5764 0.141949	3802.5842	7325.001	1215.066284
## 5765 0.125469	3714.0171	7209.167	1002.869873
## 5766 0.101008	3470.9702	6743.549	1715.781494
## 5767 0.095864	3508.2964	6866.912	1108.556152
## 5768 0.084375	3517.6204	7231.863	371.467041

## 5769 0.093448	3486.0708	6759.679	2154.313232
## 5770 0.083177	3733.5779	7270.833	1929.296265
## 5771 0.090014	3652.5027	7091.848	1343.369141
## 5772 0.100966	3721.3218	7142.273	2112.823242
## 5773 0.091036	3582.6257	6929.606	1435.241211
## 5774 0.095875	3684.1313	7098.501	1946.580688
## 5775 0.113968	3766.5210	7254.545	1680.836914
## 5776 0.112841	3709.3689	7158.184	1391.618896
## 5777 0.102344	3499.3674	6763.280	1641.087524
## 5778 0.104799	3437.9956	6587.501	1638.103882
## 5779 0.108443	3726.3779	7152.194	2010.922363
## 5780 0.117127	3850.5735	7433.894	1270.140991
## 5781 0.126875	3371.0415	6403.000	2093.135010
## 5782 0.137500	3754.2712	7150.002	1536.552368
## 5783 0.119962	3681.5950	7064.288	1480.646484
## 5784 0.116235	3617.7505	6940.854	1382.059082
## 5785 0.156055	3683.4377	6878.646	1939.051514
## 5786 0.151662	3676.3872	6954.256	1419.785767
## 5787 0.091595	3455.5698	6654.312	1583.743896
## 5788 0.138271	3783.2043	7275.684	1053.926147
## 5789 0.128685	3765.8591	7216.045	1119.994629
## 5790 0.119250	3369.5664	6415.000	1472.073608
## 5791 0.114397	3434.3972	6593.751	1008.299561
## 5792 0.148168	3462.4834	6539.656	1008.928772
## 5793 0.153935	3415.8105	6486.111	687.221985
## 5794 0.165509	3418.9067	6458.333	708.722473
## 5795 0.126496	3834.5242	7378.459	1208.480469
## 5796 0.160075	3772.5725	7225.374	380.838470
## 5797 0.135282	3746.6167	7189.516	1261.073853
## 5798 0.117250	3371.4163	6439.999	645.960938
## 5799 0.125625	3368.5684	6426.000	658.822144
## 5800 0.117795	3536.5876	6856.946	525.604004
## 5801 0.096500	3362.6941	6508.000	1982.913940
## 5802 0.130711	3722.4912	7171.553	1657.392334
## 5803 0.129492	3511.9871	6707.031	1433.517822
## 5804 0.155716	3617.6445	6853.660	1524.821655
## 5805 0.139063	3570.8699	6769.446	1545.087769
## 5806 0.135033	3583.7842	6844.080	1188.518555
## 5807 0.094034	3628.3867	7087.500	1732.818848
## 5808 0.122243	3522.9458	6813.973	1165.810059
## 5809 0.111436	3666.2898	7079.787	1484.602295
## 5810 0.124288	3835.3142	7426.483	1537.538818
## 5811 0.122679	3521.7661	6881.431	971.833679
## 5812 0.119238	3482.8992	6736.718	1119.844482
## 5813 0.111328	3492.0732	6771.094	1262.547852
## 5814 0.118145	3481.2986	6732.260	1024.884888
## 5815 0.120644	3517.5239	6778.030	1265.319336
## 5816 0.123087	3672.5947	7063.779	1618.639893
## 5817 0.134856	3389.5859	6457.693	1067.553955
## 5818 0.099279	3379.4343	6572.115	1257.087402
## 5819 0.126042	3689.3096	7088.236	1380.544067
## 5820 0.104375	3363.8994	6455.000	1338.088623
## 5821 0.111020	3585.8079	6905.265	1441.632568
## 5822 0.121811	3673.6226	7083.675	1012.298218

## 5823 0.119712	3388.2537	6577.886	890.438660
## 5824 0.109701	3752.9280	7304.849	1385.986694
## 5825 0.120233	3721.4536	7215.677	1179.979736
## 5826 0.245612	3663.0073	6529.255	1267.934204
## 5827 0.195657	3621.5730	6852.120	1187.580811
## 5828 0.125963	3924.3250	7633.018	1787.406860
## 5829 0.109739	3634.5723	7441.263	1570.563843
## 5830 0.102922	3502.4226	7338.634	964.864258
## 5831 0.122187	3967.6440	7634.322	1685.410400
## 5832 0.089125	3347.5684	6467.001	1679.140991
## 5833 0.129923	3883.9597	7452.934	1688.025391
## 5834 0.129346	3950.3303	7607.450	1739.389282
## 5835 0.103625	3361.4041	6421.000	1541.608521
## 5836 0.118289	3932.3735	7547.784	1935.450439
## 5837 0.136276	3971.7883	7554.124	1824.369751
## 5838 0.129592	3683.9468	6943.368	1696.327026
## 5839 0.131025	3980.6240	7591.626	1899.771118
## 5840 0.128801	3939.6182	7558.441	1781.271118
## 5841 0.146965	3967.0085	7531.089	1739.073853
## 5842 0.122792	3964.2576	7586.438	1660.733887
## 5843 0.099924	3584.7229	6940.854	1282.123779
## 5844 0.120322	3892.5728	7445.063	2006.240479
## 5845 0.119426	3959.7473	7586.488	1765.823853
## 5846 0.105409	3337.0806	6486.539	690.324280
## 5847 0.121301	3974.3376	7625.315	1691.158203
## 5848 0.136694	3905.7878	7435.131	1350.079712
## 5849 0.132795	3968.0659	7606.536	1594.872437
## 5850 0.121797	3953.7532	7615.524	1663.022217
## 5851 0.133276	3973.6082	7595.973	1619.960083
## 5852 0.138844	3976.6306	7577.765	1583.046021
## 5853 0.113081	3931.9722	7620.521	1303.750977
## 5854 0.105778	3880.9368	7555.780	1180.289551
## 5855 0.108182	3923.9031	7627.522	1281.986450
## 5856 0.124410	3973.3789	7617.872	1484.431885
## 5857 0.096250	3354.3745	6446.999	1246.514282
## 5858 0.148093	3862.6680	7347.613	1181.402222
## 5859 0.146424	3955.7163	7551.532	1453.062378
## 5860 0.139199	3958.2205	7582.733	1551.546265
## 5861 0.103630	3925.4751	7587.407	2354.478271
## 5862 0.120017	3927.9771	7549.422	1657.436401
## 5863 0.110753	3881.3723	7486.182	1587.712646
## 5864 0.109564	3949.5132	7674.325	1559.520996
## 5865 0.109125	3947.2083	7675.233	1730.706543
## 5866 0.120127	3926.1440	7591.742	1441.391357
## 5867 0.130553	3888.2322	7388.462	1934.734131
## 5868 0.127063	3968.5012	7644.616	1481.996582
## 5869 0.135375	3367.7007	6400.000	1263.350342
## 5870 0.128847	3970.4836	7598.815	1298.597778
## 5871 0.120737	3953.0159	7618.911	1421.269043
## 5872 0.127685	3958.8840	7587.701	1551.179199
## 5873 0.138107	3977.9714	7601.711	1571.932373
## 5874 0.132339	3960.3281	7608.836	1292.530273
## 5875 0.134202	3864.0168	7397.741	1221.543701
## 5876 0.127261	3953.4026	7615.695	1620.182007

## 5877 0.115272	3853.4409	7394.151	1808.939209
## 5878 0.123397	3896.8926	7480.830	1772.287476
## 5879 0.133555	3971.7122	7604.735	1751.253418
## 5880 0.123348	3886.9160	7478.591	1652.263550
## 5881 0.126386	3957.6052	7567.116	1840.369995
## 5882 0.142169	3957.6633	7502.304	1629.039673
## 5883 0.137862	3932.0454	7502.195	1362.935059
## 5884 0.135320	3974.5215	7589.670	1756.327026
## 5885 0.137615	3978.5095	7586.672	1603.126953
## 5886 0.110254	3756.1794	7175.783	2016.055664
## 5887 0.126370	3990.9143	7611.846	1732.694092
## 5888 0.114427	3923.0913	7597.155	1421.577026
## 5889 0.133462	3975.5991	7579.125	1622.820190
## 5890 0.149045	3979.8223	7518.322	1777.213867
## 5891 0.165126	3892.8040	7275.872	1403.347168
## 5892 0.142875	3956.8455	7490.234	1787.949463
## 5893 0.147975	3995.9419	7544.037	1693.249512
## 5894 0.128046	3957.8005	7574.792	1758.553589
## 5895 0.129260	3971.1438	7608.201	1796.129272
## 5896 0.131649	3977.9316	7612.963	1675.921509
## 5897 0.134490	3961.9976	7581.088	1504.056152
## 5898 0.116583	3962.9478	7659.956	1251.296753
## 5899 0.141121	3960.1836	7560.351	1233.067505
## 5900 0.127621	3963.6995	7618.884	1575.676025
## 5901 0.133682	3921.0444	7464.504	1482.349976
## 5902 0.144781	3978.4917	7537.268	1783.513916
## 5903 0.126069	3934.8806	7564.315	1715.082886
## 5904 0.144046	3977.3291	7561.024	1456.458862
## 5905 0.133210	3938.1028	7575.030	1404.458130
## 5906 0.108008	3851.5664	7510.087	1319.728027
## 5907 0.116367	3880.0732	7584.088	1253.206543
## 5908 0.122196	3890.9592	7624.062	1196.511353
## 5909 0.126357	3897.3862	7548.466	1295.368286
## 5910 0.103846	3593.0288	7104.808	619.881775
## 5911 0.085227	3412.1140	7117.615	541.756714
## 5912 0.093279	3726.8091	7396.576	667.822876
## 5913 0.073186	3414.4539	6857.259	635.736389
## 5914 0.076854	3784.8943	7532.692	916.006592
## 5915 0.079741	3433.9395	6774.138	929.680115
## 5916 0.076769	3898.6069	7734.657	1179.220947
## 5917 0.069494	3592.4805	7135.121	897.259949
## 5918 0.080750	3338.5425	6589.001	524.641235
## 5919 0.084201	3524.0969	6964.583	1169.917236
## 5920 0.105500	3334.1594	6535.000	1323.354370
## 5921 0.111429	3828.5579	7509.722	1514.690918
## 5922 0.017153	3538.2610	7603.055	1283.840454
## 5923 0.179688	3573.9270	6709.210	170.992432
## 5924 0.117586	3688.9248	7060.785	939.760559
## 5925 0.184625	3273.7722	6283.000	23.684799
## 5926 0.118945	3476.9290	6652.345	802.341370
## 5927 0.058000	3287.8484	6601.000	458.872894
## 5928 0.087285	3401.5845	6657.761	1257.990234
## 5929 0.101278	3606.4641	7020.454	1514.242188
## 5930 0.091761	3508.0857	6850.002	781.067993

## 5931 0.101234	3563.7310	6938.817	1110.012695
## 5932 0.087601	3650.7356	7461.559	492.987030
## 5933 0.095125	3305.2344	6487.000	638.634338
## 5934 0.144967	3802.3313	7426.526	520.564209
## 5935 0.083496	3410.2427	6788.283	286.132050
## 5936 0.131656	3742.7412	7503.816	322.682434
## 5937 0.120794	3787.9812	7387.154	672.287598
## 5938 0.123621	3203.5183	7215.441	569.824829
## 5939 0.138716	3842.4270	7447.317	466.721191
## 5940 0.109778	3339.5146	6707.258	322.813416
## 5941 0.188625	3013.4041	6280.000	100.537605
## 5942 0.109180	3348.4561	6726.564	281.983002
## 5943 0.127215	3629.6184	7295.886	147.487366
## 5944 0.097151	3496.0076	6799.267	309.004730
## 5945 0.167411	3446.5098	6650.000	122.596832
## 5946 0.138643	3517.3274	6853.049	135.603119
## 5947 0.113221	3219.2690	6480.769	67.855545
## 5948 0.108250	3263.7710	6437.002	66.130867
## 5949 0.112253	3406.3555	6857.238	25.362638
## 5950 0.144632	3743.1392	7374.597	228.398605
## 5951 0.086063	3836.5249	7669.673	651.425476
## 5952 0.109574	3602.7751	7076.063	532.852356
## 5953 0.078634	3560.1672	7111.627	314.052002
## 5954 0.085903	3563.1963	7139.446	396.225311
## 5955 0.182589	3624.0813	6895.917	367.059631
## 5956 0.099330	3307.2874	6610.715	904.216492
## 5957 0.095000	3596.6538	7116.112	149.605301
## 5958 0.151125	3343.7485	6325.000	710.785889
## 5959 0.140897	3654.6721	6986.958	1007.324890
## 5960 0.111207	3440.0107	6629.311	930.413879
## 5961 0.073437	3821.4575	7641.304	762.852234
## 5962 0.064718	3441.9863	6839.516	862.128601
## 5963 0.076620	3355.5994	6639.817	931.475891
## 5964 0.052250	3302.6252	6621.000	728.409790
## 5965 0.069548	3612.6025	7157.447	1048.996216
## 5966 0.071117	3457.5500	6897.729	648.594299
## 5967 0.110609	3470.0164	6879.607	319.266724
## 5968 0.120833	3567.0183	6893.591	464.096191
## 5969 0.100375	3337.6567	6473.000	216.055511
## 5970 0.140763	3736.5271	7191.178	406.903412
## 5971 0.174312	3691.2974	6878.499	1492.923950
## 5972 0.183173	3595.2603	6703.845	611.726074
## 5973 0.135156	3840.2502	7309.750	982.039307
## 5974 0.117428	3388.5920	6446.154	686.875549
## 5975 0.155506	3731.6990	7095.236	446.842255
## 5976 0.112351	3613.6431	7007.737	1256.087891
## 5977 0.082840	3828.6692	7570.534	983.233032
## 5978 0.083594	3650.0049	7208.655	708.418762
## 5979 0.090250	3356.9980	6516.000	1036.614258
## 5980 0.059125	3277.5510	6610.000	117.704544
## 5981 0.067250	3346.1001	6581.000	1601.674805
## 5982 0.070089	3074.5693	6696.429	81.485184
## 5983 0.126962	3604.3362	6948.837	272.791718
## 5984 0.090954	3540.9512	6930.264	207.075516

## 5985 0.122967	3876.5781	7511.747	346.887909
## 5986 0.106059	3631.9968	7101.531	276.765533
## 5987 0.105313	3443.5786	6660.834	320.277069
## 5988 0.114304	3865.8655	7530.503	286.585846
## 5989 0.094076	3662.8201	7324.625	159.778839
## 5990 0.123112	3876.2253	7446.763	381.785156
## 5991 0.120370	3699.4048	7118.056	464.550568
## 5992 0.108036	3783.1245	7333.119	547.250610
## 5993 0.112375	3340.5359	6468.001	330.470520
## 5994 0.119750	3349.0879	6429.000	420.302979
## 5995 0.090500	3351.3738	6484.002	406.526611
## 5996 0.101017	3604.5981	7000.582	343.837982
## 5997 0.132500	3356.9897	6378.000	322.131622
## 5998 0.114347	3378.0391	6942.046	58.894283
## 5999 0.077875	3271.8174	6515.000	76.502563
## 6000 0.083887	3645.9773	7284.765	330.552948
## 6001 0.087277	3406.6833	6630.357	543.437134
## 6002 0.101100	3663.0493	7136.574	570.814087
## 6003 0.076471	3488.7209	6858.089	584.341248
## 6004 0.088431	3724.6331	7429.256	644.726562
## 6005 0.080350	3640.4348	7270.341	622.048584
## 6006 0.085750	3271.7935	6513.000	559.351196
## 6007 0.076875	3210.9351	6557.001	554.514404
## 6008 0.065000	3317.8953	6559.001	742.764343
## 6009 0.099816	3468.2512	6874.267	740.884644
## 6010 0.042375	3250.6001	6643.000	516.329956
## 6011 0.067005	3639.1399	7423.378	160.289200
## 6012 0.066922	3745.8066	7504.787	569.489380
## 6013 0.080804	3632.8579	7156.631	1698.391968
## 6014 0.085364	3756.1484	7411.710	1367.471924
## 6015 0.085874	3846.3674	7550.612	1613.965088
## 6016 0.114624	3685.7852	7561.577	985.104248
## 6017 0.130242	3286.2825	6635.486	1238.168579
## 6018 0.139890	3504.7400	6730.148	1471.685913
## 6019 0.133699	3546.9846	6829.730	1626.524536
## 6020 0.153790	3614.9590	6945.746	1213.154297
## 6021 0.165365	3371.5769	6629.167	753.692139
## 6022 0.174023	3723.8582	7156.562	975.475403
## 6023 0.127625	3333.0354	6440.000	1499.827637
## 6024 0.152777	3989.7659	7537.142	1752.394653
## 6025 0.136511	3956.6611	7570.132	1699.086182
## 6026 0.129389	3931.2532	7598.202	1476.524536
## 6027 0.141213	3960.4668	7498.779	1791.440674
## 6028 0.133866	3854.2275	7354.459	1809.880493
## 6029 0.144511	3956.6108	7519.816	1640.414429
## 6030 0.158212	3989.8643	7503.693	1783.846802
## 6031 0.161162	3957.4302	7418.731	1592.074951
## 6032 0.156016	3926.6306	7407.381	1576.441650
## 6033 0.147737	3955.3528	7500.751	1640.377441
## 6034 0.137227	3973.7544	7581.511	1503.109741
## 6035 0.113248	3947.9453	7639.603	1417.463745
## 6036 0.119191	3942.2163	7597.073	1483.108276
## 6037 0.120913	3960.9351	7600.806	1523.757568
## 6038 0.115058	3953.6226	7627.038	1719.909058

## 6039 0.117389	3968.7346	7664.784	1770.921631
## 6040 0.103879	3906.4507	7655.855	1379.335083
## 6041 0.113406	3934.2488	7630.598	1294.684570
## 6042 0.128683	3927.7080	7572.120	1130.922729
## 6043 0.123347	3835.2710	7349.279	1147.230347
## 6044 0.133370	3981.8835	7617.935	1293.791626
## 6045 0.134210	3970.6794	7578.553	1601.135010
## 6046 0.123300	3717.5840	7075.441	1621.754639
## 6047 0.138542	3839.5752	7242.970	1556.526855
## 6048 0.141625	3371.3459	6300.000	1532.045410
## 6049 0.143257	3975.3328	7566.491	1758.285522
## 6050 0.134125	3935.2517	7524.290	1680.631714
## 6051 0.131425	3966.0056	7609.613	1691.150879
## 6052 0.083125	3343.4600	6494.000	1597.352539
## 6053 0.142471	3981.9109	7550.712	1857.381592
## 6054 0.138110	3964.2410	7550.151	1590.155151
## 6055 0.143659	3979.5562	7566.300	1741.608154
## 6056 0.139801	3977.5615	7595.763	1483.400635
## 6057 0.143617	3983.6909	7560.672	1621.135376
## 6058 0.152407	3954.6746	7468.973	1435.443359
## 6059 0.138419	3878.7080	7379.249	1569.441528
## 6060 0.141844	3971.6794	7543.003	1788.233032
## 6061 0.145333	3899.5234	7460.112	1242.780884
## 6062 0.138319	3972.9756	7592.581	1538.934448
## 6063 0.120846	3946.4492	7620.110	1587.450439
## 6064 0.149831	3986.0747	7550.313	1537.775513
## 6065 0.145413	3975.7524	7544.266	1592.350464
## 6066 0.126635	3883.2610	7382.886	1874.418213
## 6067 0.114981	3941.3826	7579.400	1775.934937
## 6068 0.076750	3313.9663	6534.001	505.223999
## 6069 0.115291	3971.0330	7661.919	1467.658936
## 6070 0.122612	3864.1965	7562.656	1374.703247
## 6071 0.106287	3938.3899	7669.612	1368.385132
## 6072 0.104586	3949.0132	7709.716	1264.133179
## 6073 0.108446	3906.7942	7571.288	1658.745850
## 6074 0.117214	3949.6609	7638.855	1903.093872
## 6075 0.130025	3968.5171	7572.211	1812.758789
## 6076 0.122025	3914.1541	7505.624	1632.923462
## 6077 0.139109	3978.9729	7574.348	1499.810791
## 6078 0.119452	3939.9314	7565.031	1722.871826
## 6079 0.118409	3923.3823	7579.655	1679.303833
## 6080 0.132734	3967.7917	7606.192	1422.939087
## 6081 0.125095	3528.1621	6662.878	1434.369629
## 6082 0.110633	3943.5398	7656.605	1655.650757
## 6083 0.087125	3366.7012	6468.001	1768.890381
## 6084 0.119603	3942.9939	7629.338	1771.714233
## 6085 0.088561	3545.7004	7187.264	318.323761
## 6086 0.104274	3907.3706	7635.477	1369.654785
## 6087 0.148530	3964.1958	7503.009	1873.718262
## 6088 0.146223	3929.1365	7486.280	1077.404175
## 6089 0.136265	3632.5349	6909.302	758.534241
## 6090 0.077250	3326.5657	6595.000	329.081970
## 6091 0.113889	3535.0930	6905.556	1957.423462
## 6092 0.110750	3352.5823	6504.001	1723.842529

## 6093 0.084034	3797.8821	7587.814	1959.832886
## 6094 0.055219	3378.0610	7526.596	650.693970
## 6095 0.168875	3349.7356	6359.000	160.048843
## 6096 0.202872	3571.2969	6623.649	437.135468
## 6097 0.185875	3370.9592	6157.000	467.412384
## 6098 0.123750	3466.9658	6635.000	992.580750
## 6099 0.117125	3342.4583	6453.000	351.048706
## 6100 0.168171	3404.7361	6375.927	410.176788
## 6101 0.151087	3610.1072	6858.152	450.760986
## 6102 0.080335	3572.2083	7029.879	1162.791138
## 6103 0.090750	3309.1118	6518.002	868.545349
## 6104 0.090865	3334.5149	6559.616	1467.551147
## 6105 0.094345	3604.2063	7012.501	1444.301636
## 6106 0.080375	3352.4551	6520.001	1125.363892
## 6107 0.091933	3598.3481	7068.603	846.056213
## 6108 0.087565	3628.5803	7096.355	1906.252930
## 6109 0.122461	3467.8855	6751.563	862.207214
## 6110 0.064746	3441.3811	6859.376	745.378662
## 6111 0.063079	3389.0332	6679.630	1031.237427
## 6112 0.091848	3630.2983	7138.587	735.156128
## 6113 0.059201	3481.6633	7002.776	388.601318
## 6114 0.055625	3587.8762	7100.624	1063.955200
## 6115 0.059325	3502.7234	7368.255	580.204163
## 6116 0.140748	3654.3914	7086.274	422.693573
## 6117 0.153807	3644.4937	7054.546	323.975281
## 6118 0.124038	3539.2996	6920.511	174.784088
## 6119 0.174178	3544.0759	6820.396	347.087830
## 6120 0.157986	3507.8965	6753.473	279.744934
## 6121 0.088782	3556.1562	7016.667	306.389587
## 6122 0.114075	3850.5923	7537.986	455.292572
## 6123 0.102812	3638.5779	7161.999	813.274597
## 6124 0.130279	3691.4868	7254.732	726.855896
## 6125 0.123250	3361.5137	6349.001	1462.042358
## 6126 0.123787	3884.2766	7470.229	910.502258
## 6127 0.088000	3344.4338	6476.000	636.148560
## 6128 0.100893	3665.6721	7081.123	1431.704468
## 6129 0.084125	3343.6870	6516.999	978.789917
## 6130 0.096875	3359.2964	6480.000	1000.495361
## 6131 0.120274	3612.9939	6895.735	1985.532104
## 6132 0.089500	3346.3152	6532.000	1246.243408
## 6133 0.106858	3551.3784	6856.251	966.506897
## 6134 0.131250	3360.2527	6401.002	1082.257935
## 6135 0.116728	3522.4590	6775.002	1555.649048
## 6136 0.104107	3537.7673	6873.571	1130.850220
## 6137 0.136042	3634.1685	6981.667	762.628418
## 6138 0.103460	3929.3401	7607.968	1445.742554
## 6139 0.102421	3896.4558	7559.971	1576.981567
## 6140 0.116491	3936.2163	7597.193	1560.029053
## 6141 0.108707	3975.4768	7704.497	1524.926025
## 6142 0.116255	3857.9905	7454.032	914.144043
## 6143 0.108060	3908.4292	7569.433	1375.350952
## 6144 0.099395	3681.6633	7244.356	689.381042
## 6145 0.150717	3937.5061	7497.086	1553.437378
## 6146 0.098843	3654.9932	7243.983	424.083832

## 6147 0.103261	3914.4568	7636.761	1320.299805
## 6148 0.153483	3962.7705	7496.240	1777.316162
## 6149 0.143178	3927.7322	7507.021	941.481445
## 6150 0.108780	3598.2175	7043.454	1809.469482
## 6151 0.107500	3357.1494	6524.000	1784.050171
## 6152 0.109462	3534.5940	6916.668	1940.274536
## 6153 0.100125	3358.2502	6558.000	1499.968384
## 6154 0.051859	3636.4824	7502.535	2171.054688
## 6155 0.036996	2850.7546	6893.549	810.331238
## 6156 0.081625	2680.9229	6582.000	0.214658
## 6157 0.083301	3536.7546	7338.283	405.862671
## 6158 0.055649	3300.8728	6653.846	279.610809
## 6159 0.081964	3464.0566	6914.286	254.784454
## 6160 0.100893	3642.4185	7258.728	733.065063
## 6161 0.089583	3542.3267	6890.973	2022.473755
## 6162 0.108460	3586.8862	6945.121	1264.503418
## 6163 0.108519	3757.3191	7329.111	1126.605103
## 6164 0.112027	3733.2773	7285.230	1472.589355
## 6165 0.099609	3474.9749	6806.251	1051.766846
## 6166 0.073352	3640.5986	7280.454	744.377075
## 6167 0.056125	3327.0337	6581.999	1018.553711
## 6168 0.069549	3612.9031	7094.188	1096.668823
## 6169 0.056582	3615.0854	7201.063	693.740601
## 6170 0.049000	3318.0032	6634.001	487.785797
## 6171 0.036779	3545.8528	7108.333	579.265625
## 6172 0.043968	3588.8442	7161.046	774.895691
## 6173 0.058125	3519.3735	6965.000	984.861633
## 6174 0.053125	3353.7944	6660.577	468.431366
## 6175 0.064896	3448.3113	6791.667	1130.049438
## 6176 0.110250	3337.3850	6491.000	635.894043
## 6177 0.094181	3413.6865	6755.173	616.203308
## 6178 0.057566	3528.8557	7055.264	488.217224
## 6179 0.118000	3353.1064	6505.001	703.728516
## 6180 0.078250	3328.7522	6596.001	544.760742
## 6181 0.099362	3805.7761	7503.573	722.124268
## 6182 0.116759	3772.9690	7544.472	979.446960
## 6183 0.081875	3320.4863	6573.000	292.829498
## 6184 0.090104	3360.6584	6754.167	213.575287
## 6185 0.052125	3159.7837	6603.000	667.404602
## 6186 0.029297	3366.9641	6940.627	1549.118042
## 6187 0.090625	3119.1892	6568.269	809.918335
## 6188 0.054223	3428.8289	7047.296	798.692993
## 6189 0.078125	3447.6382	6972.917	1082.522339
## 6190 0.113034	3568.8582	7008.537	915.691956
## 6191 0.079412	3473.6421	6890.440	736.443909
## 6192 0.085446	3343.6877	6918.573	270.635620
## 6193 0.072243	3485.7158	6852.208	823.227783
## 6194 0.075804	3482.4414	6895.715	742.558838
## 6195 0.080321	3458.3860	6934.461	679.158569
## 6196 0.081567	3698.8086	7323.189	1074.809814
## 6197 0.076875	3317.3745	6514.001	538.957031
## 6198 0.073399	3057.0076	7035.368	7.503463
## 6199 0.036000	3108.4246	6660.000	6.503083
## 6200 0.033000	3085.0112	6662.000	6.756580

## 6201 0.045573	3263.3284	7030.556	7.731982
## 6202 0.182250	3332.6082	6286.001	77.333397
## 6203 0.091840	3674.8948	7258.797	317.639771
## 6204 0.119238	3490.3928	6817.188	363.671204
## 6205 0.110051	3557.0369	6956.758	326.531982
## 6206 0.125500	3353.9050	6516.002	323.958038
## 6207 0.134615	3750.2107	7242.691	493.401550
## 6208 0.135000	3360.4951	6507.000	1007.005066
## 6209 0.077500	3335.6951	6581.001	385.525024
## 6210 0.116226	3375.0315	6572.115	837.392761
## 6211 0.102544	3628.2671	7077.909	715.347046
## 6212 0.095197	3808.6501	7493.421	872.324890
## 6213 0.072693	3761.4041	7506.251	1650.908813
## 6214 0.062427	3575.6453	7154.652	1765.166138
## 6215 0.129162	3898.7104	7557.458	1028.256592
## 6216 0.108535	3810.5532	7417.741	780.003601
## 6217 0.136932	3816.5603	7286.081	1000.891846
## 6218 0.116379	3430.9731	6570.693	943.956116
## 6219 0.119259	3612.7598	6961.626	1185.076294
## 6220 0.101625	3353.1543	6471.000	1225.090210
## 6221 0.135526	3578.8984	6804.605	1349.753052
## 6222 0.107250	3359.7410	6447.001	1839.300293
## 6223 0.078768	3517.1084	6894.855	1527.684082
## 6224 0.145804	3539.1836	6733.571	794.412659
## 6225 0.112153	3629.1709	7039.447	1394.385254
## 6226 0.114250	3772.0244	7340.002	1149.633911
## 6227 0.090375	3335.6082	6560.000	682.625488
## 6228 0.092555	3483.1824	6910.295	324.154572
## 6229 0.107495	3804.6340	7600.725	820.089905
## 6230 0.094081	3792.9668	7402.063	1294.878174
## 6231 0.112418	3756.7925	7313.816	303.673523
## 6232 0.087593	3740.8196	7318.657	786.195740
## 6233 0.086594	3805.4597	7512.751	664.331848
## 6234 0.086719	3849.8435	7588.747	987.028809
## 6235 0.069010	3530.4219	6951.389	1153.031860
## 6236 0.074643	3517.4880	6921.430	1203.107422
## 6237 0.068750	3497.5950	6960.715	998.367798
## 6238 0.078125	3422.9619	6845.163	2023.789551
## 6239 0.116193	3466.2178	6814.395	1279.657715
## 6240 0.096875	3312.5498	6555.000	1228.348022
## 6241 0.107891	3774.6523	7510.100	1498.416382
## 6242 0.102992	3588.8237	7138.830	1332.718994
## 6243 0.109096	3644.2603	7233.925	775.087891
## 6244 0.109083	3609.7922	7549.280	879.969238
## 6245 0.118506	3740.5034	7248.827	1123.209106
## 6246 0.072604	3446.6626	6799.168	1260.660400
## 6247 0.121469	3940.4395	7614.652	1263.878662
## 6248 0.111538	3365.0522	6537.500	751.959778
## 6249 0.097461	3478.6875	6798.438	1029.684692
## 6250 0.090748	3640.5513	7193.137	892.730530
## 6251 0.095508	3476.8289	6807.813	1138.753296
## 6252 0.101375	3335.8110	6508.000	1167.736816
## 6253 0.100000	3335.4666	6507.999	1046.051636
## 6254 0.069687	3594.9795	7234.001	858.326172

## 6255 0.063875	3283.7468	6612.000	762.147217
## 6256 0.061458	2875.9194	6841.667	1062.598389
## 6257 0.089189	3527.2361	7045.947	2010.777344
## 6258 0.077621	3450.5518	6864.518	1479.188599
## 6259 0.091406	3593.0608	7027.501	1441.455566
## 6260 0.125197	3840.1553	7457.431	749.901062
## 6261 0.164286	3840.8333	7334.047	1782.405518
## 6262 0.102116	3814.4399	7459.636	1936.243652
## 6263 0.100748	3749.6248	7347.184	1753.781738
## 6264 0.118625	3338.8987	6557.999	1604.759277
## 6265 0.081696	3712.9888	7340.872	1794.177979
## 6266 0.106342	3515.7305	6864.706	1679.059692
## 6267 0.122018	3829.1155	7489.681	1809.196167
## 6268 0.121705	3799.8328	7420.653	1439.781982
## 6269 0.106250	3605.0400	7061.049	1631.583496
## 6270 0.096034	3375.9263	6518.269	1497.484253
## 6271 0.097518	3517.1094	6858.090	1588.656128
## 6272 0.094153	3803.2729	7469.892	1739.221069
## 6273 0.126154	3837.5825	7472.522	1835.973145
## 6274 0.135610	3779.3638	7351.545	1301.881226
## 6275 0.213000	3379.0208	6236.000	941.018066
## 6276 0.206419	3795.4824	7115.876	726.990173
## 6277 0.194792	3630.1821	6844.644	1254.612915
## 6278 0.138750	3358.7156	6474.001	1144.965210
## 6279 0.109115	3538.4761	6886.111	352.542175
## 6280 0.109750	3329.1758	6463.001	96.147499
## 6281 0.116810	3701.8628	7226.293	2126.046143
## 6282 0.126236	3941.2378	7605.530	1671.314209
## 6283 0.150308	3931.4729	7489.722	1448.685059
## 6284 0.153644	3955.1030	7505.436	1435.913208
## 6285 0.165207	3936.4731	7599.318	905.937500
## 6286 0.120970	3919.9175	7620.080	1778.482788
## 6287 0.113116	3887.3757	7541.747	1495.753662
## 6288 0.119519	3919.8032	7520.359	1804.990479
## 6289 0.119795	3953.3865	7597.237	1777.685181
## 6290 0.083375	3310.6550	6507.999	689.925537
## 6291 0.118351	3938.6516	7572.600	2137.529297
## 6292 0.098491	3807.4417	7464.657	1541.380371
## 6293 0.125425	3902.4006	7451.576	1947.073730
## 6294 0.140053	3970.9595	7546.096	1555.429932
## 6295 0.114625	3332.0388	6382.002	714.537659
## 6296 0.129269	3867.4338	7409.151	1347.095581
## 6297 0.094265	3869.0383	7685.502	1170.707275
## 6298 0.103701	3919.7556	7698.092	1179.604614
## 6299 0.109335	3921.1428	7651.938	1483.432129
## 6300 0.119154	3949.1082	7624.554	1826.031738
## 6301 0.072875	3337.0408	6505.000	2577.541504
## 6302 0.109673	3863.5422	7616.708	1603.367554
## 6303 0.111690	3822.1074	7447.964	1652.247437
## 6304 0.136669	3936.9575	7484.696	1731.464233
## 6305 0.100000	3333.6870	6436.000	1538.316895
## 6306 0.113925	3906.8530	7591.369	1735.131836
## 6307 0.112433	3876.3298	7581.542	1894.686768
## 6308 0.112143	3919.9810	7629.559	1769.881470

## 6309 0.133099	3946.3145	7545.378	1622.949341
## 6310 0.106125	3282.0867	6437.000	603.375427
## 6311 0.127879	3931.2957	7532.676	1776.781982
## 6312 0.150163	3974.1443	7512.414	1527.780884
## 6313 0.117597	3969.4590	7672.717	2244.932617
## 6314 0.123205	3601.2673	6980.850	1026.814819
## 6315 0.116926	3912.8982	7589.332	1945.868408
## 6316 0.119538	3940.9929	7559.040	1924.356323
## 6317 0.113013	3708.9990	7214.180	1072.208862
## 6318 0.108267	3885.3149	7620.303	1511.885986
## 6319 0.120520	3942.1670	7606.594	1276.490967
## 6320 0.123633	3921.5005	7532.894	1736.624268
## 6321 0.144847	3889.5261	7363.246	1475.676880
## 6322 0.136875	3357.3799	6303.999	1094.746582
## 6323 0.132548	3883.3462	7503.561	902.694580
## 6324 0.106324	3591.7468	6933.928	1162.476440
## 6325 0.111972	3925.9363	7648.117	881.357727
## 6326 0.140562	3935.1594	7549.051	1290.197266
## 6327 0.144821	3537.2104	6692.858	1474.937256
## 6328 0.162500	3292.5625	6239.000	777.868347
## 6329 0.114210	3839.8728	7562.219	867.368958
## 6330 0.125746	3947.3127	7589.417	1446.840332
## 6331 0.145255	3932.0444	7491.837	1221.635254
## 6332 0.132895	3575.7986	6819.079	933.697266
## 6333 0.122125	3358.6807	6395.002	976.476013
## 6334 0.135417	3558.1663	6758.336	959.956848
## 6335 0.118625	3365.5007	6411.000	799.867188
## 6336 0.118714	3797.6772	7381.105	940.260925
## 6337 0.116953	3587.7388	6989.375	1616.432495
## 6338 0.102604	3536.4373	6929.860	1587.371094
## 6339 0.102841	3500.2637	6874.245	1282.842896
## 6340 0.046809	3540.3835	7241.488	2187.286865
## 6341 0.011621	3174.4990	6970.312	1774.760742
## 6342 0.069235	3580.8845	7236.205	914.043823
## 6343 0.043875	3278.1008	6643.000	648.454956
## 6344 0.054792	3358.0632	6843.335	995.968750
## 6345 0.065039	3404.7476	6849.219	1228.089844
## 6346 0.067656	3625.5000	7325.000	908.868469
## 6347 0.096007	3501.5596	6922.223	606.555908
## 6348 0.095410	3071.6445	7301.171	400.745697
## 6349 0.103041	3542.8618	6912.840	524.695312
## 6350 0.118524	3780.5854	7345.178	555.146362
## 6351 0.087250	3350.4451	6498.000	617.500122
## 6352 0.118979	3567.1831	6979.879	301.170929
## 6353 0.099000	3317.2566	6497.001	622.692932
## 6354 0.085500	3331.5991	6518.001	465.637817
## 6355 0.084983	3539.1118	6903.475	976.526184
## 6356 0.098375	3323.7490	6458.999	897.072021
## 6357 0.080150	3539.4771	7220.370	387.225616
## 6358 0.036133	3198.4856	6941.407	5.710980
## 6359 0.095982	3526.9924	7272.219	26.991781
## 6360 0.096106	3716.7095	7360.386	316.306793
## 6361 0.103250	3343.4595	6546.000	251.000732
## 6362 0.088625	3342.2375	6553.001	182.345016

## 6363 0.143149	3373.2798	6540.386	254.026123
## 6364 0.137791	3618.4363	7023.255	329.361420
## 6365 0.120000	3814.7981	7437.631	523.783264
## 6366 0.120164	3800.4800	7410.122	527.542725
## 6367 0.093823	3615.7490	7068.025	708.791504
## 6368 0.068219	3655.5720	7283.963	1235.551270
## 6369 0.070573	3727.9956	7455.560	1445.585205
## 6370 0.058625	3618.3916	7248.499	1099.989624
## 6371 0.115541	3563.6846	6900.002	1974.704346
## 6372 0.151715	3768.4297	7221.954	915.288452
## 6373 0.125547	3546.5195	6893.124	584.218567
## 6374 0.127757	3494.1099	6744.854	622.415833
## 6375 0.137752	3875.0164	7429.032	1336.160278
## 6376 0.121429	3712.3550	7119.645	1203.613892
## 6377 0.118066	3816.1802	7409.636	956.646912
## 6378 0.115179	3605.6697	6991.071	855.388489
## 6379 0.152796	3818.1802	7326.842	839.668762
## 6380 0.109667	3900.7219	7598.083	1007.115601
## 6381 0.119455	3837.5510	7412.254	1138.442993
## 6382 0.103365	3368.1738	6529.809	246.833023
## 6383 0.101660	3476.9666	6813.284	783.543396
## 6384 0.101605	3563.8545	6895.272	543.284729
## 6385 0.142391	3653.2473	6962.502	621.524658
## 6386 0.084125	3332.3745	6534.000	695.044250
## 6387 0.094907	3375.6165	6625.002	754.760925
## 6388 0.094449	3863.5493	7660.360	819.500244
## 6389 0.113612	3376.8779	7157.202	401.680847
## 6390 0.130812	3606.4155	7026.002	515.510376
## 6391 0.118391	3859.0598	7470.946	810.275208
## 6392 0.128162	3861.9521	7501.910	704.669006
## 6393 0.152822	3793.8262	7509.917	466.656158
## 6394 0.140729	3785.0750	7335.836	915.441528
## 6395 0.095750	3340.8687	6499.001	1424.242432
## 6396 0.115663	3798.0266	7333.841	1870.539917
## 6397 0.143017	3799.9204	7287.653	1471.186523
## 6398 0.134596	3706.1411	7301.472	848.607605
## 6399 0.087653	3861.1077	7574.478	906.437073
## 6400 0.102385	3838.4070	7531.299	403.547516
## 6401 0.086010	3736.7671	7314.232	827.015869
## 6402 0.079141	3550.0400	7051.251	454.595825
## 6403 0.087734	3588.4778	7016.875	728.153564
## 6404 0.065125	3326.5811	6575.001	659.733398
## 6405 0.066250	3312.1499	6587.000	764.070068
## 6406 0.087429	3603.8416	7111.364	661.914673
## 6407 0.075216	3423.9790	6725.000	974.305603
## 6408 0.075084	3527.7009	6965.542	936.129089
## 6409 0.063958	3447.9299	6789.167	1130.159546
## 6410 0.086262	3751.4563	7527.473	814.065430
## 6411 0.097540	3525.2273	7452.778	897.082397
## 6412 0.111972	3870.4351	7495.033	2143.506104
## 6413 0.130684	3867.6096	7411.417	855.400452
## 6414 0.133114	3678.0779	7085.524	479.096191
## 6415 0.117157	3656.3384	7069.608	730.452515
## 6416 0.093421	3516.2852	6915.133	344.319977

## 6417 0.080128	3569.4102	6981.411	746.270203
## 6418 0.098527	3601.0432	7310.001	526.455261
## 6419 0.105861	3711.5859	7600.432	379.860626
## 6420 0.095409	3861.1614	7556.539	1143.949341
## 6421 0.078348	3696.4326	7258.929	731.500549
## 6422 0.076069	3552.4976	6989.474	616.710632
## 6423 0.092344	3013.0908	7490.500	91.270317
## 6424 0.056250	1897.0076	7546.843	73.904564
## 6425 0.119002	3936.7656	7631.229	1401.765503
## 6426 0.103365	3385.5881	6518.270	1101.845703
## 6427 0.084570	3487.5613	6832.815	1278.526489
## 6428 0.114645	3670.9114	7132.842	1158.750122
## 6429 0.099609	3497.1323	6762.502	703.736694
## 6430 0.132625	3365.1882	6400.000	842.321838
## 6431 0.121125	3341.4753	6452.001	754.315369
## 6432 0.102704	3670.6885	7167.309	1065.318481
## 6433 0.085972	3604.3875	7110.001	933.201477
## 6434 0.112235	3698.1521	7229.236	1251.901978
## 6435 0.080589	3630.6157	7227.885	959.176331
## 6436 0.079651	3567.3418	7102.325	718.690430
## 6437 0.122642	3690.3660	7373.864	762.336670
## 6438 0.130955	3694.4617	7019.339	1127.511719
## 6439 0.132143	3428.1741	6500.002	1031.581055
## 6440 0.166595	3708.2275	7033.188	1247.270142
## 6441 0.245370	3658.5315	6705.554	249.030457
## 6442 0.231893	3478.6953	6423.530	393.309998
## 6443 0.202437	3653.6633	6813.501	872.548889
## 6444 0.178993	3522.8376	6650.694	702.081299
## 6445 0.127369	3851.4214	7402.827	1070.649658
## 6446 0.104492	3772.6799	7289.063	1136.625732
## 6447 0.098932	3780.4729	7321.521	977.678040
## 6448 0.057625	3293.0176	6570.000	287.918304
## 6449 0.114005	3409.3735	6529.630	856.064514
## 6450 0.099091	3699.1196	7170.910	800.549133
## 6451 0.103966	3380.9312	6503.846	1059.829712
## 6452 0.107670	3513.8635	6750.759	879.226074
## 6453 0.116274	3791.2146	7299.677	949.949402
## 6454 0.149974	3817.3574	7405.931	1538.817139
## 6455 0.106942	3853.8386	7556.873	1366.898071
## 6456 0.113110	3604.8542	6980.488	438.963470
## 6457 0.099609	3474.5547	6758.594	599.805542
## 6458 0.156177	3627.6641	6786.627	551.086365
## 6459 0.193192	3416.9321	6422.322	192.104202
## 6460 0.143219	3826.1479	7309.997	1124.142578
## 6461 0.182813	3369.8750	6387.503	921.616516
## 6462 0.120833	3877.4851	7478.646	1520.316162
## 6463 0.126042	3753.8953	7223.551	1004.308594
## 6464 0.064880	3758.4255	7553.441	1616.147339
## 6465 0.076339	3770.3533	7540.716	1274.928345
## 6466 0.081706	3776.4136	7515.625	1339.804199
## 6467 0.172041	3820.5740	7277.660	1667.760620
## 6468 0.098360	3810.9189	7481.684	2127.080078
## 6469 0.112530	3816.9475	7482.449	1871.169434
## 6470 0.098357	3802.4053	7480.152	1830.813232

## 6471 0.107704	3592.6738	7094.770	1948.736694
## 6472 0.088101	3349.7095	6581.730	1473.075562
## 6473 0.135846	3510.7922	6815.442	1692.643188
## 6474 0.119355	3794.0486	7431.182	1571.218994
## 6475 0.114048	3836.3796	7468.916	1681.559448
## 6476 0.094213	3770.0420	7410.188	1676.157349
## 6477 0.099875	3347.3425	6541.999	1797.044189
## 6478 0.113060	3735.2043	7290.296	1672.242188
## 6479 0.141768	3591.1992	6948.170	1899.124878
## 6480 0.096250	3330.1387	6537.001	1514.201294
## 6481 0.121615	3522.2434	6878.474	954.336304
## 6482 0.237875	3371.8840	6185.000	1100.728271
## 6483 0.214752	3774.5549	7061.396	577.132446
## 6484 0.134570	3935.9536	7606.863	1507.142578
## 6485 0.155186	3940.9363	7479.883	1439.267456
## 6486 0.113199	3899.9458	7644.557	1045.360840
## 6487 0.133142	3791.0249	7369.722	704.772827
## 6488 0.098599	3383.9636	6650.861	606.617676
## 6489 0.135168	3794.0918	7459.827	1364.457397
## 6490 0.156200	3736.4236	6992.743	1213.792114
## 6491 0.110981	3957.3787	7695.378	1020.227173
## 6492 0.110408	3931.5391	7689.932	519.106689
## 6493 0.114529	3844.6389	7653.922	598.062439
## 6494 0.125100	3945.1287	7633.749	1556.543823
## 6495 0.121661	3952.0483	7633.252	1699.995483
## 6496 0.127659	3927.9805	7568.868	1610.359863
## 6497 0.126436	3570.4412	6779.731	1027.816040
## 6498 0.154409	3911.5737	7467.836	1145.725464
## 6499 0.169451	3924.9097	7580.545	861.403137
## 6500 0.163472	3907.8760	7541.743	934.755432
## 6501 0.144782	3917.4839	7586.297	1094.070068
## 6502 0.102809	3899.2017	7658.212	1603.683228
## 6503 0.111256	3855.3740	7557.692	1241.859985
## 6504 0.109424	3907.8296	7622.985	1998.415894
## 6505 0.113143	3914.2429	7631.537	1905.016113
## 6506 0.123064	3842.9280	7417.907	1719.441772
## 6507 0.111833	3777.1875	7542.601	1450.170654
## 6508 0.139583	3947.0564	7557.726	1539.002686
## 6509 0.122750	3350.4590	6352.999	1507.984375
## 6510 0.132934	3940.4033	7623.198	1643.967285
## 6511 0.120327	3946.0022	7623.247	2053.509277
## 6512 0.129018	3628.1667	6834.522	1518.184082
## 6513 0.123500	3364.4541	6359.000	1126.024902
## 6514 0.123003	3550.0989	6758.335	1781.956055
## 6515 0.182000	3319.0310	6170.000	1485.442505
## 6516 0.150082	3774.8447	7127.634	1298.447998
## 6517 0.145125	3353.0107	6261.001	1378.617676
## 6518 0.138318	3591.1875	6792.858	1266.745850
## 6519 0.136009	3626.7820	6849.432	1075.922974
## 6520 0.131250	3376.7588	6468.749	715.785278
## 6521 0.102114	3566.9629	7335.661	1354.822144
## 6522 0.112689	3741.6060	7315.530	2153.862549
## 6523 0.070046	3676.0361	7489.635	1307.984619
## 6524 0.013500	2733.8621	6677.000	10.615891

## 6525 0.087500	3468.5305	6776.614	1054.769897
## 6526 0.101918	3901.4373	7606.064	1063.134766
## 6527 0.102657	3914.1667	7634.651	1176.517578
## 6528 0.103044	3779.8770	7320.456	1103.617676
## 6529 0.098709	3643.6084	7047.824	954.344421
## 6530 0.095716	3838.0095	7524.396	834.748718
## 6531 0.084647	3615.5769	7127.716	498.564270
## 6532 0.089062	3489.3010	6846.095	531.447571
## 6533 0.073224	3556.1819	7145.455	270.570831
## 6534 0.060995	3147.2244	6725.000	8.280287
## 6535 0.088053	3777.0327	7453.643	595.393372
## 6536 0.085358	3792.7151	7539.518	516.121094
## 6537 0.066768	3213.4263	7052.439	125.654755
## 6538 0.039500	3288.1965	6641.000	855.383972
## 6539 0.062740	3342.9653	6638.461	1140.352417
## 6540 0.052586	3352.2480	6805.173	192.635101
## 6541 0.072833	3797.4148	7582.661	1630.364868
## 6542 0.072875	3327.9041	6565.001	1574.182007
## 6543 0.068866	3297.1909	6671.297	131.076050
## 6544 0.075735	3459.3477	6893.383	153.781128
## 6545 0.073676	3645.9392	7306.781	186.671295
## 6546 0.052431	3363.8154	7000.695	324.052429
## 6547 0.076637	3680.7817	7313.093	349.158630
## 6548 0.055405	3393.0837	7024.323	161.364761
## 6549 0.099891	3764.9380	7375.001	555.196472
## 6550 0.061914	2997.9497	7214.061	132.273285
## 6551 0.096983	3427.7449	6702.589	805.394287
## 6552 0.109534	3860.4160	7508.333	719.894470
## 6553 0.091734	3473.6067	6751.613	1340.675415
## 6554 0.100685	3851.9690	7541.439	970.659546
## 6555 0.128020	3911.8503	7661.779	864.947388
## 6556 0.089614	3510.5920	6816.914	1012.314758
## 6557 0.109250	3314.7107	6450.999	571.250549
## 6558 0.081893	3701.2810	7345.589	711.296631
## 6559 0.101536	3668.9907	7217.797	449.445312
## 6560 0.097883	3443.0967	6736.292	889.357056
## 6561 0.069817	3511.9580	7079.268	856.010071
## 6562 0.089387	3847.5928	7642.826	802.900085
## 6563 0.064276	3564.8779	7169.319	675.647583
## 6564 0.057014	3578.0659	7211.111	847.001831
## 6565 0.099597	3433.2327	6783.873	301.567139
## 6566 0.059609	3470.3457	7092.499	390.550873
## 6567 0.088735	3731.2732	7413.890	465.921143
## 6568 0.090189	3874.0320	7608.863	934.569214
## 6569 0.094399	3671.7302	7208.963	847.539307
## 6570 0.075923	3598.9619	7121.022	884.881104
## 6571 0.101000	3629.8318	7144.501	445.597717
## 6572 0.123223	3684.1494	7060.294	1368.603027
## 6573 0.095139	3551.8923	6925.695	899.798157
## 6574 0.098849	3685.8083	7223.247	658.625488
## 6575 0.100347	3686.5012	7191.667	1212.134888
## 6576 0.095625	3352.4736	6503.001	762.106934
## 6577 0.100804	3530.6313	6909.287	1047.490723
## 6578 0.069153	3446.6157	6824.194	588.140625

## 6579 0.092737	3483.5437	6929.731	547.132080
## 6580 0.078989	3454.1006	7163.827	293.640656
## 6581 0.062993	3528.5828	7042.766	459.509918
## 6582 0.082375	3311.2817	6588.000	227.797485
## 6583 0.111024	3518.0964	6887.499	494.777344
## 6584 0.134606	3390.9832	6477.778	864.582764
## 6585 0.111750	3338.5635	6454.001	1166.026733
## 6586 0.089931	3515.5029	6957.639	154.928329
## 6587 0.111178	3338.1589	6592.308	54.591419
## 6588 0.100881	3574.1816	6954.487	1247.756592
## 6589 0.089671	3711.8030	7491.579	719.531128
## 6590 0.049847	3695.5725	7598.530	328.818298
## 6591 0.107984	3910.3994	7683.022	792.518921
## 6592 0.109448	3800.8369	7423.546	596.060120
## 6593 0.072229	3665.3203	7259.436	549.001404
## 6594 0.074537	3377.9260	6683.333	387.777527
## 6595 0.089000	3345.8950	6530.000	1006.468079
## 6596 0.079928	3357.1699	6609.616	442.256653
## 6597 0.089940	3760.4980	7341.782	830.908813
## 6598 0.068250	3324.6296	6579.000	644.164978
## 6599 0.102652	3497.5220	6782.577	691.107849
## 6600 0.076729	3625.6482	7157.979	896.491333
## 6601 0.104688	3664.1653	7073.438	866.591919
## 6602 0.096160	3799.3774	7392.773	989.120667
## 6603 0.101467	3640.2007	7135.207	1745.622681
## 6604 0.114290	3841.3503	7459.545	1900.060425
## 6605 0.115668	3766.8606	7290.973	2152.337891
## 6606 0.125284	3856.4917	7433.639	1966.742432
## 6607 0.091582	3663.8901	7119.900	2169.144287
## 6608 0.092235	3515.4238	6789.395	2542.726807
## 6609 0.101993	3759.5039	7323.550	1659.288696
## 6610 0.104044	3764.3855	7274.264	1370.882202
## 6611 0.106115	3852.6499	7467.241	1830.564087
## 6612 0.100302	3476.8533	6746.775	886.622070
## 6613 0.064250	3317.5176	6562.001	1724.397827
## 6614 0.074190	3366.6655	6631.483	1472.487061
## 6615 0.072396	3411.4026	6770.001	1655.621338
## 6616 0.077699	3599.7126	7085.795	1831.954956
## 6617 0.065625	3304.4556	6591.000	851.458008
## 6618 0.094913	3785.2463	7429.069	1507.271118
## 6619 0.096181	3795.6047	7430.557	1938.525635
## 6620 0.096554	3577.9995	6984.616	1154.111450
## 6621 0.092818	3722.6951	7540.354	1051.473755
## 6622 0.098171	3817.3225	7726.601	1227.506714
## 6623 0.084470	3479.8857	6912.122	1216.000122
## 6624 0.116658	3928.2876	7624.058	1368.420898
## 6625 0.135240	3746.7178	7135.384	1374.010620
## 6626 0.076202	3628.4150	7237.021	287.898743
## 6627 0.056366	3312.6768	6709.260	331.723236
## 6628 0.157386	3531.3057	6585.607	2566.232422
## 6629 0.126750	3375.5549	6327.001	3232.076172
## 6630 0.153141	3928.4993	7406.342	1824.742554
## 6631 0.120783	3916.2061	7550.505	1581.918213
## 6632 0.057250	3307.1396	6603.000	144.811859

## 6633 0.131917	3770.0811	7232.998	902.274048
## 6634 0.149785	3821.8311	7243.969	1348.208740
## 6635 0.134286	3751.4126	7203.930	668.903748
## 6636 0.142428	3370.2087	6467.307	617.722046
## 6637 0.075375	3349.8967	6516.001	1841.170532
## 6638 0.109750	3349.6592	6441.999	897.177612
## 6639 0.110914	3720.2429	7237.686	1045.471436
## 6640 0.061076	3712.0408	7475.951	157.703323
## 6641 0.062885	3710.0334	7448.631	162.669693
## 6642 0.086682	3557.5591	6995.835	636.728882
## 6643 0.112372	3874.2651	7486.734	1463.390259
## 6644 0.071013	3677.1423	7279.741	608.232971
## 6645 0.066587	3546.5291	7054.487	139.709137
## 6646 0.123172	3903.9563	7515.444	1576.219604
## 6647 0.070313	3766.6746	7515.159	242.093140
## 6648 0.133064	3923.3586	7573.282	1280.527710
## 6649 0.195625	3379.4802	6237.000	1029.086426
## 6650 0.199453	3885.6897	7245.833	1442.029541
## 6651 0.187500	3662.9817	6832.607	1179.541382
## 6652 0.195192	3603.2886	6685.898	851.244019
## 6653 0.094141	3450.7002	6794.532	618.026489
## 6654 0.116129	3475.1365	6637.904	1034.709473
## 6655 0.131033	3769.5947	7171.874	1434.559326
## 6656 0.082062	3899.0066	7721.750	1358.208252
## 6657 0.056625	3297.2617	6610.000	1033.098877
## 6658 0.119100	3843.1875	7412.686	1413.905151
## 6659 0.134320	3889.3049	7477.947	1408.802490
## 6660 0.133966	3866.8230	7537.329	1649.477539
## 6661 0.129978	3802.0789	7467.298	1039.085571
## 6662 0.137547	3854.5801	7446.467	1322.496826
## 6663 0.132219	3828.4043	7431.645	1451.448120
## 6664 0.091250	3334.7236	6455.000	2437.394287
## 6665 0.118111	3872.7429	7663.444	1046.473511
## 6666 0.124085	3889.7959	7571.959	1165.428467
## 6667 0.091314	3950.9268	7743.841	1012.178772
## 6668 0.077679	3393.8096	6683.036	705.644348
## 6669 0.094892	3668.0364	7131.729	1055.527466
## 6670 0.089375	3354.5830	6507.000	1238.339722
## 6671 0.084713	3555.3042	6933.784	674.362366
## 6672 0.099253	3920.4817	7650.368	1239.076538
## 6673 0.115635	3916.2417	7592.058	1135.087158
## 6674 0.114598	3742.7734	7216.097	995.409973
## 6675 0.130288	3798.0862	7314.423	1541.256348
## 6676 0.114873	3685.8645	7056.017	1371.435059
## 6677 0.134325	3837.0547	7353.802	1290.195923
## 6678 0.131317	3886.0593	7443.886	1719.114990
## 6679 0.150053	3880.9827	7395.506	1439.133789
## 6680 0.130915	3408.9604	6500.002	1108.501587
## 6681 0.167608	3867.6797	7277.584	1377.243652
## 6682 0.164502	3741.9624	7008.202	1305.011353
## 6683 0.147664	3886.2371	7555.113	1438.003906
## 6684 0.151674	3639.2476	6987.945	1063.439941
## 6685 0.141081	3861.2922	7465.288	1816.882324
## 6686 0.141110	3868.7383	7494.134	1571.260742

## 6687 0.138607	3572.6821	6952.605	1231.527344
## 6688 0.114931	3321.6516	6525.002	1027.739746
## 6689 0.106125	3284.5378	6412.001	1705.546753
## 6690 0.102163	3355.4377	6481.729	2090.253418
## 6691 0.157620	3715.8608	7110.615	1523.242310
## 6692 0.133500	3322.1196	6335.000	1415.962158
## 6693 0.116761	3489.5303	6693.185	2277.739990
## 6694 0.131915	3646.8184	6911.172	1738.342529
## 6695 0.154622	3621.2239	6905.209	1642.884033
## 6696 0.123607	3707.5527	7271.084	1741.562012
## 6697 0.125064	3561.4731	7007.145	805.479614
## 6698 0.115341	3753.7290	7428.410	1366.293945
## 6699 0.119322	3771.9053	7299.297	2188.878662
## 6700 0.122720	3855.1018	7434.234	2173.827148
## 6701 0.132398	3689.5569	7052.552	1772.432861
## 6702 0.092992	3515.6479	6800.001	1562.990234
## 6703 0.107156	3767.8647	7275.363	2239.561035
## 6704 0.093199	3756.8723	7305.517	2265.079102
## 6705 0.109463	3851.2622	7441.276	1665.427734
## 6706 0.106068	3841.2590	7427.668	2002.284912
## 6707 0.086902	3817.5247	7515.869	1739.097534
## 6708 0.096890	3925.6926	7728.435	1293.099609
## 6709 0.079871	3503.1274	6926.471	390.904877
## 6710 0.094819	3552.9788	7025.000	493.249329
## 6711 0.087260	3665.4558	7241.349	530.910950
## 6712 0.106073	3687.1997	7211.321	623.183899
## 6713 0.099877	3653.4995	7084.315	1590.808960
## 6714 0.090313	3553.4937	7156.004	205.144791
## 6715 0.104408	3638.8018	7137.946	789.378357
## 6716 0.097734	3645.3589	7348.438	567.744995
## 6717 0.118249	3823.2944	7347.641	964.267212
## 6718 0.097855	3789.2207	7591.571	594.183044
## 6719 0.104159	3898.4045	7610.217	1352.406006
## 6720 0.103545	3916.4226	7635.294	1652.857788
## 6721 0.095583	3712.7285	7319.668	1437.182007
## 6722 0.118750	3682.0154	7071.760	1780.480103
## 6723 0.098846	3716.3257	7236.155	1230.277588
## 6724 0.095365	3628.9214	7245.000	1422.993652
## 6725 0.092608	3686.5122	7128.366	2863.244385
## 6726 0.099479	3618.3887	6948.215	2265.007812
## 6727 0.092080	3718.2842	7188.362	2401.229736
## 6728 0.103317	3865.6860	7473.075	1914.217041
## 6729 0.091088	3684.7402	7175.924	1261.900391
## 6730 0.103350	3821.3035	7513.489	1447.831543
## 6731 0.095923	3789.2573	7466.429	1280.287354
## 6732 0.106899	3780.7202	7289.613	1575.154663
## 6733 0.102979	3849.7527	7630.409	626.864807
## 6734 0.085100	3690.2651	7296.429	759.899902
## 6735 0.139315	3943.2964	7628.063	1293.888184
## 6736 0.134203	3819.4824	7316.758	1506.594482
## 6737 0.142568	3870.3652	7457.210	1159.678955
## 6738 0.140034	3793.7341	7587.770	1158.790039
## 6739 0.160693	3937.5999	7563.422	839.726196
## 6740 0.171573	3486.1541	6524.194	1466.138794

## 6741 0.160323	3803.6421	7283.708	558.191345
## 6742 0.169981	3726.7644	7140.529	683.571960
## 6743 0.180000	3574.5007	6806.875	436.582886
## 6744 0.161151	3850.0208	7405.680	567.408630
## 6745 0.164440	3858.5396	7403.448	555.529663
## 6746 0.177802	3684.0161	7032.328	526.612854
## 6747 0.127784	3537.5879	7399.319	937.100586
## 6748 0.146449	3754.7854	7166.289	820.305725
## 6749 0.163325	3764.6377	7135.070	803.908081
## 6750 0.094875	3312.8953	6514.999	449.361572
## 6751 0.112392	3444.0789	6627.587	1006.819580
## 6752 0.134500	3307.4907	6367.000	605.796997
## 6753 0.128965	3807.1770	7347.312	1032.857910
## 6754 0.120801	3734.5547	7195.313	800.325806
## 6755 0.143617	3818.7573	7333.510	805.521423
## 6756 0.153125	3475.7656	6548.333	1323.781250
## 6757 0.154583	3651.5281	6889.444	1238.696411
## 6758 0.137322	3812.2058	7321.025	812.653564
## 6759 0.094465	3837.9404	7627.617	488.858429
## 6760 0.062413	3505.6506	7022.221	707.967102
## 6761 0.078460	3895.4612	7734.312	983.910095
## 6762 0.061678	3565.4104	7086.185	1090.934326
## 6763 0.078323	3776.5867	7466.456	1011.301270
## 6764 0.075223	3413.3367	6742.858	908.158264
## 6765 0.085910	3823.4326	7566.516	769.370239
## 6766 0.145500	3657.4412	6962.501	1392.288696
## 6767 0.118250	3363.4175	6346.000	1861.224731
## 6768 0.138125	3323.7393	6321.000	1011.078674
## 6769 0.108297	3694.8152	7140.948	1701.700073
## 6770 0.055469	3347.0005	6725.893	473.650452
## 6771 0.091510	3707.3167	7229.585	1385.523071
## 6772 0.090578	3686.2170	7295.523	806.434509
## 6773 0.052009	3343.0486	6765.179	155.660202
## 6774 0.051968	3347.2593	6718.519	612.981506
## 6775 0.078935	3378.9736	6693.520	1322.968384
## 6776 0.087097	3457.8420	6847.582	1311.888916
## 6777 0.090875	3346.5283	6568.000	1259.477783
## 6778 0.051172	3464.6514	6926.563	1987.529663
## 6779 0.081277	3677.9546	7516.007	188.472610
## 6780 0.106055	3622.4165	7069.793	193.355194
## 6781 0.148060	3455.2903	6510.346	970.403625
## 6782 0.121830	3861.3479	7457.791	873.607483
## 6783 0.087399	3473.3501	6765.322	968.308350
## 6784 0.129792	3595.4863	6990.000	567.803589
## 6785 0.200223	3616.2336	6854.763	992.185425
## 6786 0.172629	3449.4812	6565.519	719.548340
## 6787 0.145750	3353.2810	6403.000	367.190491
## 6788 0.169471	3597.9346	6797.438	1779.451782
## 6789 0.193502	3729.2969	7035.714	538.183960
## 6790 0.117670	3668.3115	7156.366	141.458908
## 6791 0.100610	3580.8081	6987.197	1389.861694
## 6792 0.072801	3346.3230	6658.334	1171.727539
## 6793 0.099668	3174.3982	7063.831	433.870789
## 6794 0.050875	3321.2654	6625.000	1190.746216

## 6795 0.072917	3541.3142	7028.846	806.156921
## 6796 0.132917	3913.7329	7572.214	1791.775513
## 6797 0.138885	3821.7998	7445.876	1396.688721
## 6798 0.131356	3907.1934	7494.569	1578.213379
## 6799 0.129267	3815.3481	7309.676	1490.310059
## 6800 0.131301	3961.2288	7615.711	1337.475952
## 6801 0.114909	3787.8667	7624.245	1218.818237
## 6802 0.102396	3795.9624	7364.721	2052.864502
## 6803 0.111543	3906.0811	7527.703	2055.910400
## 6804 0.124645	3916.3716	7610.980	1655.026245
## 6805 0.125598	3831.4436	7432.087	1813.472046
## 6806 0.111279	3854.8267	7465.399	1822.961792
## 6807 0.110686	3834.6394	7606.823	1564.413086
## 6808 0.040349	3433.3015	6990.441	338.904388
## 6809 0.118364	3914.1638	7545.122	1748.310913
## 6810 0.108819	3834.4089	7443.854	1036.316284
## 6811 0.059122	3794.7524	7652.205	171.225632
## 6812 0.094813	3814.8096	7433.251	1427.201050
## 6813 0.100195	3485.2312	6710.155	1647.681885
## 6814 0.104881	3832.3301	7399.759	1468.825684
## 6815 0.082554	3839.9053	7542.521	1047.854736
## 6816 0.119675	3894.0474	7511.037	1618.072998
## 6817 0.107326	3731.9150	7162.295	1704.969849
## 6818 0.110236	3814.0959	7379.080	1193.247925
## 6819 0.053248	3672.9561	7481.909	108.538628
## 6820 0.092955	3663.1304	7258.183	1036.198853
## 6821 0.100000	3718.0811	7346.737	613.476257
## 6822 0.071030	3495.9988	7023.648	480.804779
## 6823 0.080096	3819.1589	7591.442	1058.801880
## 6824 0.081191	3831.1511	7594.102	1074.402466
## 6825 0.069607	3855.0530	7649.595	1422.056763
## 6826 0.077656	3579.3374	7074.375	1123.520630
## 6827 0.083889	3626.5813	7154.446	1272.958374
## 6828 0.076875	3338.3247	6599.000	1606.617554
## 6829 0.086917	3752.3723	7440.331	1791.467041
## 6830 0.066587	3344.3669	6680.771	921.146362
## 6831 0.066587	3108.1531	6638.461	545.665344
## 6832 0.070000	3334.6541	6582.000	694.194702
## 6833 0.079436	3465.7629	6808.067	1157.603271
## 6834 0.079250	3322.8225	6552.000	924.987061
## 6835 0.082122	3592.8979	7100.582	770.797729
## 6836 0.157875	3342.0239	6334.000	932.118042
## 6837 0.109752	3704.1418	7177.154	1237.392334
## 6838 0.116255	3850.7261	7453.071	1241.675293
## 6839 0.112226	3846.3440	7470.833	1121.833496
## 6840 0.106912	3868.1211	7557.121	936.717896
## 6841 0.095419	3809.3892	7505.097	794.032410
## 6842 0.081625	3334.2554	6554.000	955.915344
## 6843 0.044792	2820.6384	6710.186	121.612900
## 6844 0.093474	3241.0947	6864.706	788.159424
## 6845 0.103284	3706.2710	7231.780	820.310059
## 6846 0.097917	3535.3950	6847.224	901.297180
## 6847 0.103423	3737.8044	7235.713	1000.096252
## 6848 0.085642	3504.2087	6952.028	202.379272

## 6849 0.099382	3791.5271	7388.663	1134.047119
## 6850 0.103920	3628.2703	7163.637	1100.032715
## 6851 0.053430	3587.2317	7101.221	987.959106
## 6852 0.057060	3391.0112	6677.778	1357.731812
## 6853 0.062301	3633.4182	7177.129	1059.788086
## 6854 0.046000	3299.4006	6640.001	505.292908
## 6855 0.045913	3558.9797	7091.666	561.754517
## 6856 0.040334	3573.6865	7172.674	634.241089
## 6857 0.053036	3523.1033	6972.859	1170.678589
## 6858 0.051082	3369.0544	6659.616	854.451904
## 6859 0.057708	3431.3794	6819.170	591.800903
## 6860 0.061875	3335.2251	6590.002	1073.495483
## 6861 0.110668	3441.4341	6671.553	706.394653
## 6862 0.089967	3546.8054	7025.001	657.944885
## 6863 0.043750	3300.0405	6650.001	468.610504
## 6864 0.116125	3350.3616	6504.002	757.797363
## 6865 0.086448	3799.5234	7520.155	713.128418
## 6866 0.127157	3848.0923	7533.406	1353.411987
## 6867 0.111691	3727.1863	7541.605	540.234558
## 6868 0.108500	3343.4707	6466.000	1096.657471
## 6869 0.134995	3797.9109	7441.792	678.641296
## 6870 0.077930	3341.3423	6829.688	427.523041
## 6871 0.136939	3789.1118	7486.094	591.844482
## 6872 0.120327	3623.9731	7389.725	1149.500488
## 6873 0.143474	3549.0271	7167.280	590.258484
## 6874 0.133750	3343.5144	6378.000	552.384705
## 6875 0.131174	3801.3735	7435.365	710.128906
## 6876 0.183266	3192.7432	6566.129	271.036407
## 6877 0.139634	3462.3452	6891.462	490.887604
## 6878 0.089009	3863.3547	7646.680	721.301880
## 6879 0.095526	3585.6597	7041.479	198.040848
## 6880 0.071250	3618.2490	7142.222	1311.119263
## 6881 0.098229	3448.0923	6735.001	790.861694
## 6882 0.094510	2570.5432	7324.999	317.382538
## 6883 0.108571	3544.9629	6798.572	698.834534
## 6884 0.145316	3945.7686	7556.946	658.178162
## 6885 0.143447	3853.5693	7282.522	1216.487915
## 6886 0.186812	3984.5940	7497.615	933.126282
## 6887 0.216571	3985.6799	7412.829	1038.164185
## 6888 0.174159	3927.3118	7458.893	1057.881958
## 6889 0.131462	3705.9478	7149.574	549.580811
## 6890 0.144769	3894.6399	7524.727	1666.138794
## 6891 0.171790	3914.0669	7430.968	1564.262939
## 6892 0.171510	3902.9133	7381.326	1788.814453
## 6893 0.156470	3906.7410	7522.468	1411.712524
## 6894 0.089625	3304.3584	6547.000	1319.644775
## 6895 0.096165	3719.2712	7369.317	898.608887
## 6896 0.204794	3876.4058	7418.354	726.782410
## 6897 0.196711	3864.2019	7398.542	956.599915
## 6898 0.266189	3759.8228	6952.254	457.395081
## 6899 0.238630	3707.1021	7254.815	372.394073
## 6900 0.122667	3866.9167	7603.652	1609.994751
## 6901 0.075562	3658.7327	7605.033	603.582214
## 6902 0.065509	3087.3809	6681.483	95.508171

## 6903 0.089982	3525.7830	6836.765	914.510864
## 6904 0.103588	3376.2043	6575.001	336.012268
## 6905 0.112875	3358.4924	6416.001	1009.346863
## 6906 0.100583	3843.0095	7501.479	738.500366
## 6907 0.081836	3486.0659	6801.563	951.634399
## 6908 0.101327	3840.5103	7471.226	865.129883
## 6909 0.100357	3539.5449	6853.573	859.881042
## 6910 0.112667	3708.8577	7200.895	844.455994
## 6911 0.091375	3342.8174	6524.001	809.142578
## 6912 0.102652	3499.7712	6821.214	613.740845
## 6913 0.090707	3571.8093	6932.236	775.183167
## 6914 0.084750	3361.4849	6485.000	1203.506104
## 6915 0.109906	3690.1218	7123.114	732.871826
## 6916 0.098291	3742.7158	7268.359	786.187073
## 6917 0.104451	3833.6060	7426.264	839.552185
## 6918 0.115909	3706.8118	7140.911	991.065063
## 6919 0.088750	3354.7920	6493.000	747.398315
## 6920 0.118083	3886.0139	7507.670	946.802429
## 6921 0.105271	3860.2061	7538.061	800.554016
## 6922 0.072375	3351.4019	6567.001	499.324066
## 6923 0.088500	3353.4585	6544.000	514.126038
## 6924 0.067125	3350.7588	6553.000	1121.338379
## 6925 0.109750	3348.8762	6485.000	766.771179
## 6926 0.118071	3820.0371	7410.869	709.649963
## 6927 0.122806	3745.8760	7403.992	425.622894
## 6928 0.119088	3544.8823	6859.460	688.229187
## 6929 0.151500	3261.5496	6347.999	69.606346
## 6930 0.114480	3764.5784	7487.981	558.162964
## 6931 0.085840	3453.0244	6757.034	546.528076
## 6932 0.142741	3769.2083	7471.752	380.996552
## 6933 0.118896	3483.2141	7402.571	802.792358
## 6934 0.138465	3738.7952	7172.795	558.754028
## 6935 0.113000	3351.6748	6472.000	530.312195
## 6936 0.145579	3725.7783	7388.414	416.114960
## 6937 0.155504	3691.6030	7254.832	237.321808
## 6938 0.124507	3586.9785	6838.159	908.665405
## 6939 0.155515	3630.7380	6967.154	174.879272
## 6940 0.084750	3331.0872	6497.001	1153.181519
## 6941 0.048047	3410.7959	6898.437	347.386810
## 6942 0.105500	3353.0315	6418.000	1710.522339
## 6943 0.100539	3428.5613	6642.243	1691.485229
## 6944 0.093679	3629.5098	7087.500	801.962097
## 6945 0.098958	3500.5562	6816.668	1065.505981
## 6946 0.060557	3513.3438	7016.893	717.481873
## 6947 0.047569	3301.7803	7017.360	427.042175
## 6948 0.094034	3493.9946	6725.000	1006.019043
## 6949 0.047962	3562.5110	7217.936	937.428711
## 6950 0.050625	3245.9041	6638.000	852.322327
## 6951 0.069034	3672.3354	7358.332	1243.861572
## 6952 0.111610	3792.7478	7531.945	605.451599
## 6953 0.113835	3815.8618	7435.454	759.206360
## 6954 0.111195	3863.2900	7521.678	716.987610
## 6955 0.077375	3323.8586	6545.000	1301.240479
## 6956 0.120759	3611.9111	6950.000	1295.304688

## 6957 0.095750	3350.6741	6501.000	1312.467651
## 6958 0.110033	3579.3184	6887.500	2089.759766
## 6959 0.107375	3358.3101	6472.998	1634.301514
## 6960 0.097978	3530.0696	6858.825	1522.304077
## 6961 0.137946	3540.1707	6770.716	962.151672
## 6962 0.113611	3636.9570	7010.002	1489.516602
## 6963 0.108498	3700.9597	7214.036	1381.511475
## 6964 0.094750	3335.4680	6538.000	993.126953
## 6965 0.088194	3365.8738	6666.669	470.270660
## 6966 0.127482	3160.5295	6747.060	139.134552
## 6967 0.100000	3521.6838	7237.288	711.002869
## 6968 0.097830	3524.4309	6899.306	548.130859
## 6969 0.108234	3722.7559	7221.427	666.920593
## 6970 0.089020	3560.2888	6904.730	1205.057739
## 6971 0.097129	3769.7336	7403.489	681.174622
## 6972 0.120763	3814.3975	7404.236	937.678528
## 6973 0.173187	3861.5352	7314.695	727.168274
## 6974 0.154268	3516.9929	6773.781	448.996399
## 6975 0.136429	3533.1670	6677.144	759.374146
## 6976 0.131484	3598.9368	6829.375	1493.900757
## 6977 0.092634	3414.4792	6677.681	1994.115967
## 6978 0.117563	3821.0693	7399.749	695.813782
## 6979 0.050000	3498.0071	6963.973	1801.608765
## 6980 0.070000	3520.9246	6922.857	815.456909
## 6981 0.056342	3309.2649	6902.943	718.741211
## 6982 0.069643	3503.5903	6883.572	970.511963
## 6983 0.077872	3512.9990	6937.840	862.088379
## 6984 0.079640	3678.4243	7298.104	879.790039
## 6985 0.084058	3700.1177	7315.942	1115.630615
## 6986 0.075926	3007.3625	6630.557	12.340180
## 6987 0.053125	2070.9893	6548.000	347.141907
## 6988 0.103846	3379.2422	6540.384	2175.388184
## 6989 0.099392	3762.6353	7338.194	2036.750244
## 6990 0.116375	3358.1150	6490.000	1929.410034
## 6991 0.131802	3533.5110	6778.677	1464.186401
## 6992 0.114495	3647.7327	7061.170	2158.730713
## 6993 0.122982	3673.7747	7064.062	2234.462402
## 6994 0.111860	3810.3489	7355.726	1898.757690
## 6995 0.102679	3674.7808	7079.591	2167.985107
## 6996 0.100199	3853.4814	7485.228	2090.378906
## 6997 0.108550	3777.6584	7272.572	1563.944458
## 6998 0.103352	3843.5598	7449.771	1896.167358
## 6999 0.078189	3634.1379	7168.367	1737.849976
## 7000 0.072254	3475.4851	6867.423	1392.523315
## 7001 0.085018	3733.8706	7332.354	1983.322266
## 7002 0.096739	3737.4019	7338.768	1629.749146
## 7003 0.099470	3836.4502	7512.500	1781.422729
## 7004 0.098523	3812.8284	7454.121	1217.299194
## 7005 0.109951	3864.9155	7648.775	1153.971069
## 7006 0.070625	3434.1626	6896.429	1161.534424
## 7007 0.129729	3634.0129	7586.018	843.740234
## 7008 0.135781	3750.7646	7275.940	160.293579
## 7009 0.114250	3367.1497	6390.000	1783.479004
## 7010 0.175611	3985.6143	7519.892	1121.457397

## 7011 0.217287	3988.6531	7411.224	1085.257202
## 7012 0.191034	3930.8608	7409.632	1152.777588
## 7013 0.170006	3858.5229	7304.463	933.208984
## 7014 0.119815	3602.3364	7595.847	1553.241943
## 7015 0.160966	3940.1045	7554.916	1583.023804
## 7016 0.162212	3764.1372	7369.999	1028.980713
## 7017 0.141560	3936.6785	7523.390	1810.361328
## 7018 0.117390	3891.2061	7617.905	1340.556763
## 7019 0.111868	3872.5833	7588.850	1175.538696
## 7020 0.116206	3556.1438	6913.374	1544.228516
## 7021 0.105964	3895.9548	7658.359	1339.729004
## 7022 0.132991	3922.6086	7571.251	1595.133789
## 7023 0.115469	3884.5442	7590.996	1223.627686
## 7024 0.130814	3626.9297	6855.813	2346.633301
## 7025 0.107279	3746.1909	7317.943	1058.349365
## 7026 0.099972	3763.0740	7429.688	1018.450012
## 7027 0.096680	3390.9009	6722.656	1023.248352
## 7028 0.129831	3899.4966	7516.891	1955.784180
## 7029 0.095250	3299.0813	6447.000	1812.216064
## 7030 0.118403	3663.2673	7312.656	1090.054443
## 7031 0.182372	3906.9924	7502.098	933.696838
## 7032 0.193000	3267.6479	6257.000	353.852722
## 7033 0.209469	3920.0146	7368.881	992.994568
## 7034 0.270839	3924.4724	7145.492	547.070374
## 7035 0.204654	3607.7432	6743.086	916.184814
## 7036 0.118316	2996.3872	7430.202	659.881104
## 7037 0.148131	3914.7100	7562.142	1804.511841
## 7038 0.156480	3846.0530	7412.237	1496.913086
## 7039 0.201000	3206.6858	6088.000	709.138489
## 7040 0.148783	3913.7517	7556.982	1774.947998
## 7041 0.146160	3835.9924	7417.621	1712.301025
## 7042 0.128606	3544.8801	7059.135	1072.095703
## 7043 0.128085	3836.7034	7541.612	1760.254639
## 7044 0.139583	3689.8442	7042.106	1551.248535
## 7045 0.153050	3879.2688	7530.076	1704.907349
## 7046 0.138667	3858.5264	7567.477	1757.691284
## 7047 0.136275	3844.1973	7568.072	1175.025879
## 7048 0.143374	3880.3240	7453.925	1787.998169
## 7049 0.144181	3839.3694	7365.691	1669.015747
## 7050 0.116250	3621.8816	7022.000	1021.465698
## 7051 0.040856	2105.4958	6662.964	0.456495
## 7052 0.035750	957.7088	6433.001	0.003933
## 7053 0.030048	961.0978	6484.617	0.004098
## 7054 0.078472	2627.5935	7280.903	1167.512329
## 7055 0.075250	3346.9949	6546.000	2060.059814
## 7056 0.088068	3500.3999	6816.668	1956.746826
## 7057 0.121809	3660.5505	7055.851	2070.598145
## 7058 0.103255	3657.8420	7099.479	2245.837891
## 7059 0.133509	3813.5095	7315.964	2046.933350
## 7060 0.100128	3666.5830	7107.144	1687.704102
## 7061 0.097443	3852.8093	7460.680	2510.374512
## 7062 0.108984	3772.2268	7332.987	1808.672119
## 7063 0.109574	3851.2422	7437.956	1524.065918
## 7064 0.098406	3673.8088	7087.754	2646.301514

## 7065 0.098390	3500.0027	6812.122	976.142578
## 7066 0.076746	3697.7151	7352.571	1933.773804
## 7067 0.080978	3732.5999	7342.752	1956.480225
## 7068 0.094903	3796.9067	7491.748	1500.703491
## 7069 0.100274	3863.9060	7551.277	1701.535767
## 7070 0.082323	3862.0962	7644.729	771.129333
## 7071 0.177218	3688.7185	7419.241	533.786621
## 7072 0.088889	3753.0903	7558.120	296.776917
## 7073 0.072500	3595.8013	7264.545	494.911377
## 7074 0.061128	3564.1733	7081.708	523.002380
## 7075 0.040046	3348.1897	6739.816	282.868866
## 7076 0.041223	3554.8416	7226.064	156.019119
## 7077 0.035250	3001.2283	6654.001	153.248688
## 7078 0.055208	3562.8335	7053.845	779.082764
## 7079 0.069477	3613.5823	7088.374	1080.623413
## 7080 0.051875	3517.9336	6964.286	571.961792
## 7081 0.046394	3302.9839	6687.501	366.053284
## 7082 0.042917	3446.5583	6852.501	383.707733
## 7083 0.033000	3302.8066	6651.000	427.604523
## 7084 0.042292	3411.0295	6844.167	458.449463
## 7085 0.054112	3550.7605	7043.422	1031.804810
## 7086 0.041625	3312.5586	6630.000	487.423340
## 7087 0.063750	3319.2642	6564.000	632.849243
## 7088 0.097194	3805.3845	7505.612	527.664246
## 7089 0.084375	3818.2676	7566.149	495.078247
## 7090 0.111648	3495.4734	6839.395	478.164612
## 7091 0.125250	3351.4851	6528.001	739.219727
## 7092 0.111607	3411.6750	6699.106	784.917114
## 7093 0.128378	3573.2925	6951.353	1000.328308
## 7094 0.069479	3301.6672	6828.334	251.220673
## 7095 0.095885	3693.6963	7467.325	597.244995
## 7096 0.109024	3899.3931	7613.155	1011.872986
## 7097 0.113407	3439.0427	6723.389	137.705902
## 7098 0.103735	3557.8850	6984.757	102.772926
## 7099 0.100727	3858.0322	7602.976	234.296371
## 7100 0.087997	3565.4282	7078.979	531.057068
## 7101 0.095139	3609.8555	7069.443	662.372925
## 7102 0.064224	3408.5586	6749.138	401.761414
## 7103 0.074851	3558.5225	7069.641	249.393433
## 7104 0.091744	3770.6355	7404.322	733.873291
## 7105 0.107249	3869.5276	7570.642	616.337585
## 7106 0.096757	3677.7422	7194.340	777.521118
## 7107 0.103294	3871.6306	7595.033	628.784851
## 7108 0.160765	3832.7974	7493.225	634.601990
## 7109 0.115829	3794.1255	7372.826	1177.642212
## 7110 0.090034	3533.7190	6954.054	1324.062134
## 7111 0.099922	3783.7373	7366.875	1482.237549
## 7112 0.139858	3837.4490	7399.293	1486.773804
## 7113 0.185417	3827.9575	7231.251	1229.469727
## 7114 0.096077	3800.0930	7463.300	1613.730469
## 7115 0.106095	3808.5535	7484.898	1423.871582
## 7116 0.103842	3821.6682	7507.794	1411.041016
## 7117 0.110326	3789.6113	7458.424	1525.604004
## 7118 0.123256	3607.0273	6991.860	1270.723999

## 7119 0.107452	3356.3486	6549.039	979.793091
## 7120 0.101471	3505.4233	6904.412	1212.682373
## 7121 0.108266	3804.7825	7419.893	1513.880615
## 7122 0.102393	3829.5603	7509.238	1518.041870
## 7123 0.110147	3773.9966	7393.517	1626.782593
## 7124 0.154000	3352.3872	6418.000	1359.440430
## 7125 0.174225	3856.7769	7385.402	1048.591553
## 7126 0.198987	3858.9409	7283.795	815.476990
## 7127 0.127395	3729.5515	7607.477	920.519348
## 7128 0.148297	3882.6760	7439.751	1225.858276
## 7129 0.171615	3496.0488	6634.723	810.527405
## 7130 0.114408	3254.7380	7575.639	933.072388
## 7131 0.123695	3830.4602	7370.630	463.007843
## 7132 0.135705	3822.0303	7347.277	497.966400
## 7133 0.166180	3982.6670	7546.217	1099.178833
## 7134 0.215479	3989.4060	7412.129	1113.940186
## 7135 0.214440	3945.2893	7361.764	1293.241577
## 7136 0.138329	3821.1687	7317.856	801.987122
## 7137 0.148558	3392.6907	6361.538	1107.468384
## 7138 0.147137	3797.1304	7544.807	1204.137207
## 7139 0.166068	3914.6250	7393.262	1334.027710
## 7140 0.145138	3824.3564	7517.873	1673.592896
## 7141 0.158354	3877.2830	7490.718	2079.132568
## 7142 0.139402	3487.2405	6908.152	1703.991577
## 7143 0.164574	3823.4639	7453.647	1544.836670
## 7144 0.168469	3908.2861	7436.121	1540.410400
## 7145 0.177442	3927.7029	7486.031	1310.506836
## 7146 0.177279	3895.7488	7430.846	1185.397339
## 7147 0.170758	3889.9648	7452.429	1129.669678
## 7148 0.164746	3856.9614	7554.434	1327.083496
## 7149 0.168953	3729.5325	7104.546	1540.415527
## 7150 0.122297	3374.1357	6810.136	848.475708
## 7151 0.166587	3836.9614	7422.493	1391.100830
## 7152 0.159702	3829.6682	7238.098	903.141479
## 7153 0.130773	3779.0996	7490.526	1313.369873
## 7154 0.148999	3846.8745	7555.032	1026.241089
## 7155 0.151332	3605.2200	7090.162	690.118103
## 7156 0.147176	3793.2329	7555.301	784.254639
## 7157 0.140033	3720.9729	7524.273	686.180908
## 7158 0.164475	3932.5835	7425.658	1335.077515
## 7159 0.147375	3353.3916	6347.000	848.035461
## 7160 0.158125	3326.0786	6259.000	727.002808
## 7161 0.183439	3848.4226	7453.227	855.626404
## 7162 0.196313	3894.6418	7430.581	1048.112183
## 7163 0.275617	3818.1516	6984.184	461.283569
## 7164 0.147500	3309.0312	6330.999	1183.315186
## 7165 0.229250	3313.7839	6028.000	389.573059
## 7166 0.253860	3663.3643	6632.842	557.126343
## 7167 0.191675	4000.5457	7479.168	1138.308472
## 7168 0.195792	3807.4080	7015.668	1278.163818
## 7169 0.174805	3687.8328	6767.710	2572.489990
## 7170 0.183480	3933.8215	7283.919	1723.150513
## 7171 0.125841	3821.4604	7396.635	1149.346680
## 7172 0.090565	3803.6497	7538.944	1028.796997

## 7173 0.063170	3388.9407	6765.180	1166.241455
## 7174 0.073881	3918.5330	7782.368	1403.554321
## 7175 0.088603	3675.6648	7217.647	1222.864014
## 7176 0.067067	3367.7959	6664.423	1169.069946
## 7177 0.068625	3336.5388	6618.001	1333.789795
## 7178 0.075841	3375.6658	6637.499	1035.701660
## 7179 0.090796	3748.0872	7407.537	1226.263672
## 7180 0.088750	3327.5156	6572.000	1014.568359
## 7181 0.073864	3479.9473	6909.092	1284.128174
## 7182 0.085904	3630.9937	7161.701	1052.103149
## 7183 0.097656	3655.4197	7117.710	1645.856201
## 7184 0.126544	3803.5300	7341.568	1637.092285
## 7185 0.106888	3656.4143	7110.713	1906.438354
## 7186 0.126364	3849.0388	7418.636	1836.009399
## 7187 0.099913	3771.7087	7319.100	1985.535400
## 7188 0.100937	3849.0479	7483.407	2074.568359
## 7189 0.106314	3669.9717	7079.591	1219.626709
## 7190 0.106439	3507.9817	6771.215	1366.593506
## 7191 0.099173	3755.2795	7282.720	1719.843140
## 7192 0.100362	3743.5999	7305.436	1519.210693
## 7193 0.081173	3813.5176	7546.074	1930.161011
## 7194 0.094665	3818.3672	7544.312	1615.748413
## 7195 0.102533	3860.4802	7538.637	1709.689697
## 7196 0.114286	3637.4365	7469.539	403.705231
## 7197 0.132618	3822.7976	7445.584	581.935730
## 7198 0.162702	3381.3972	6592.743	354.703796
## 7199 0.130081	3742.2893	7610.355	1148.380493
## 7200 0.151463	3963.2004	7597.625	1341.183594
## 7201 0.127923	3481.3550	6607.259	1252.945312
## 7202 0.133562	3876.1230	7472.109	1297.039185
## 7203 0.145032	3723.7900	7594.040	774.836792
## 7204 0.169142	3951.9937	7551.270	831.464478
## 7205 0.159206	3555.2007	6756.082	558.070862
## 7206 0.150893	3532.2026	6797.859	410.537048
## 7207 0.153816	3697.6538	7539.825	579.257385
## 7208 0.147765	3941.8977	7543.247	976.115784
## 7209 0.105500	3336.3550	6483.000	588.441284
## 7210 0.114000	3339.0806	6412.001	515.022705
## 7211 0.106125	3349.5051	6502.000	715.493591
## 7212 0.143652	3871.9797	7414.456	851.763123
## 7213 0.155196	3820.6516	7235.177	1123.453979
## 7214 0.113827	3521.1624	7313.700	826.506958
## 7215 0.064375	3639.1558	7253.000	2267.174316
## 7216 0.120469	3589.6313	6986.875	561.621277
## 7217 0.145197	3850.0913	7401.388	878.704468
## 7218 0.135793	3782.3604	7277.579	747.048035
## 7219 0.145057	3827.3435	7419.849	916.159851
## 7220 0.164112	3825.8030	7321.626	721.757080
## 7221 0.103472	3377.4014	6533.333	563.512329
## 7222 0.143548	3440.9729	6567.742	627.875366
## 7223 0.167556	3865.8181	7397.170	720.906555
## 7224 0.145956	3768.7590	7233.826	828.992920
## 7225 0.136685	3713.5691	7296.468	619.977173
## 7226 0.131445	3415.1768	6590.626	608.969910

## 7227 0.136619	3471.8005	6842.307	529.346375
## 7228 0.147087	3887.6704	7528.831	839.831299
## 7229 0.117134	3284.3914	6594.828	441.707336
## 7230 0.145187	3734.3560	7368.751	811.882751
## 7231 0.091435	3355.7876	6546.297	1408.752319
## 7232 0.144955	3786.0276	7401.249	803.097351
## 7233 0.128779	3797.1191	7228.488	1716.591309
## 7234 0.153516	3744.3540	7079.169	967.306763
## 7235 0.110688	3652.4731	7034.500	1355.703613
## 7236 0.098171	3385.7905	6962.196	287.353363
## 7237 0.148857	3781.8682	7173.170	1210.052734
## 7238 0.149163	3654.7600	7005.802	602.685852
## 7239 0.145930	3758.6848	7207.560	769.337891
## 7240 0.146603	3759.1250	7254.345	476.973999
## 7241 0.160742	3456.5847	6529.688	623.826843
## 7242 0.155048	3511.1333	6741.667	574.325500
## 7243 0.164443	3922.7302	7477.507	1042.707275
## 7244 0.175066	3604.1624	6866.490	691.775635
## 7245 0.156850	3831.2683	7354.803	617.361328
## 7246 0.178613	3693.6931	7021.876	909.206726
## 7247 0.124609	3437.9695	6721.876	665.371399
## 7248 0.174294	3454.8721	6524.194	637.603271
## 7249 0.158583	3690.1326	7129.579	1035.190796
## 7250 0.138347	3690.6899	7478.618	412.008331
## 7251 0.111250	3364.7017	6453.999	2343.800293
## 7252 0.111375	3685.3945	7103.999	2374.364990
## 7253 0.123691	3932.1768	7518.351	2402.013184
## 7254 0.117863	3792.4211	7267.232	1990.217285
## 7255 0.141186	3904.4263	7468.268	1663.793945
## 7256 0.135417	3417.0320	6499.074	1974.354248
## 7257 0.156138	3442.4795	6456.250	1805.903320
## 7258 0.162841	3719.1169	7070.909	1408.723999
## 7259 0.138462	3401.1245	6422.115	1896.046875
## 7260 0.116099	3519.2927	6771.214	1166.013550
## 7261 0.120942	3795.2549	7306.817	1256.262817
## 7262 0.098727	3416.5845	6560.185	1621.610229
## 7263 0.095157	3490.8210	7677.963	1215.374023
## 7264 0.110487	3710.0493	7251.271	838.041199
## 7265 0.127437	3677.3669	7072.000	421.496735
## 7266 0.105649	3363.6921	6582.693	229.641205
## 7267 0.123864	3790.9395	7416.324	684.572266
## 7268 0.133036	3903.0095	7521.877	786.795959
## 7269 0.109375	3346.8010	6437.999	348.455444
## 7270 0.085500	3258.3877	6533.001	728.058838
## 7271 0.106466	3298.3999	6643.966	469.361053
## 7272 0.173340	3182.2764	6621.875	224.475174
## 7273 0.131886	3477.3005	7145.339	303.890808
## 7274 0.093257	3537.3242	6953.291	218.561676
## 7275 0.114732	3698.8064	7231.745	180.809372
## 7276 0.095524	3542.1580	6895.271	239.872894
## 7277 0.108660	3754.9717	7361.748	238.039886
## 7278 0.102569	3505.9607	7485.805	550.296936
## 7279 0.121088	3853.2302	7478.050	622.377014
## 7280 0.100381	3573.1370	7001.831	759.143066

## 7281 0.066625	3343.0718	6559.000	989.869385
## 7282 0.099089	3633.2893	7081.250	1109.888184
## 7283 0.102813	3440.7314	6680.833	740.383789
## 7284 0.196875	3828.8748	7159.005	373.540283
## 7285 0.103875	3306.3318	6452.000	751.332825
## 7286 0.120274	3600.5684	6892.075	1023.516785
## 7287 0.120625	3282.4011	6388.000	267.471558
## 7288 0.138125	3348.3445	6301.000	971.757019
## 7289 0.119878	3546.2822	6771.530	836.967041
## 7290 0.137875	3356.3237	6332.000	1114.181519
## 7291 0.094387	3682.0735	7226.391	1361.959473
## 7292 0.089258	3468.2043	6814.844	322.503967
## 7293 0.116964	3729.6404	7202.776	766.149658
## 7294 0.066875	3725.8408	7351.922	1164.757324
## 7295 0.040875	2988.9780	6610.001	27.323149
## 7296 0.033625	3070.0732	6665.000	6.003049
## 7297 0.033774	3122.3152	6706.730	6.011595
## 7298 0.087936	3420.9500	7051.744	34.596497
## 7299 0.118388	3802.2734	7465.792	340.528778
## 7300 0.131882	3795.3164	7403.273	339.456207
## 7301 0.121948	3622.3293	6997.675	374.940216
## 7302 0.109512	3911.2151	7667.432	795.130249
## 7303 0.137402	3916.7527	7646.809	714.918823
## 7304 0.211612	3783.7910	7189.210	21.417305
## 7305 0.140017	3822.5491	7378.704	1092.555176
## 7306 0.111880	3860.2507	7490.438	1533.682861
## 7307 0.134031	3868.4653	7445.082	1756.383667
## 7308 0.099335	3629.5312	7131.916	1293.025269
## 7309 0.134476	3470.6677	6649.194	906.307678
## 7310 0.148098	3659.2212	6916.848	848.192627
## 7311 0.130208	3782.7273	7273.563	552.440857
## 7312 0.101154	3739.2598	7631.273	597.320801
## 7313 0.100194	3784.1963	7528.292	406.655731
## 7314 0.107670	3684.7717	7213.637	949.573120
## 7315 0.094055	3598.1033	7038.417	1127.882202
## 7316 0.081597	3385.5999	6655.556	948.352051
## 7317 0.080652	3646.1968	7141.491	758.069885
## 7318 0.095875	3332.6201	6557.000	882.987732
## 7319 0.115545	3550.1138	6953.847	271.617188
## 7320 0.067079	3597.4204	7072.674	210.423279
## 7321 0.065000	3306.1409	6900.002	29.669422
## 7322 0.051563	2047.1954	6633.654	0.094095
## 7323 0.059479	1574.4398	6820.833	0.009305
## 7324 0.054375	1523.4199	6615.001	0.009400
## 7325 0.055927	1563.0643	6783.621	0.009021
## 7326 0.044079	3168.3018	7055.264	746.581299
## 7327 0.049750	3345.8132	6602.000	1247.439575
## 7328 0.071625	3347.3967	6543.001	1381.969482
## 7329 0.054209	3799.9775	7564.540	738.023987
## 7330 0.050415	3815.0557	7608.629	996.806091
## 7331 0.092332	3906.5654	7707.405	819.933167
## 7332 0.107375	3334.4468	6570.000	866.891541
## 7333 0.106667	3447.7246	6785.835	1053.272949
## 7334 0.137198	3492.6389	6756.453	1736.401367

## 7335 0.094570	3558.9189	7334.425	658.937561
## 7336 0.088322	3538.7239	7004.607	432.154083
## 7337 0.100958	3583.4189	7252.823	223.138474
## 7338 0.114107	3503.5847	6815.715	211.678574
## 7339 0.103544	3770.5610	7369.818	294.846863
## 7340 0.088322	3530.4919	6959.868	291.611053
## 7341 0.108789	3297.0662	7315.626	370.700928
## 7342 0.114475	3827.8271	7437.027	875.407532
## 7343 0.116602	3804.3914	7395.051	608.860107
## 7344 0.099933	3805.1453	7421.808	1232.826660
## 7345 0.143703	3746.3257	7148.103	1346.571289
## 7346 0.217371	3539.3669	6558.089	1649.016235
## 7347 0.106164	3832.7361	7495.411	1873.555664
## 7348 0.094429	3796.0647	7467.392	1701.243042
## 7349 0.133794	3610.2544	7032.560	1503.562500
## 7350 0.082813	3355.7869	6622.115	1335.410645
## 7351 0.080974	3490.7751	6890.441	1481.437500
## 7352 0.111559	3802.5564	7458.604	1765.405884
## 7353 0.133221	3834.5896	7446.393	1470.419556
## 7354 0.111497	3782.1003	7399.384	1553.660156
## 7355 0.091875	3336.4307	6474.000	1417.726318
## 7356 0.096783	3736.1008	7339.706	1618.236816
## 7357 0.091644	3617.3276	7126.086	1546.173462
## 7358 0.146414	3902.1367	7563.022	1576.955566
## 7359 0.227253	3644.2734	6793.606	943.734070
## 7360 0.160824	3948.0876	7503.718	1429.100586
## 7361 0.159250	3369.8049	6322.001	1451.291748
## 7362 0.217046	3829.0193	7148.864	900.558289
## 7363 0.171757	3868.2659	7363.722	775.373840
## 7364 0.106250	3342.7595	6466.001	837.683655
## 7365 0.096625	3348.9539	6465.000	1055.245850
## 7366 0.117023	3564.5715	6846.709	1389.474487
## 7367 0.102498	3973.6531	7722.817	1390.717896
## 7368 0.093091	3963.4902	7754.064	1268.034302
## 7369 0.102619	3967.9761	7701.818	1437.219238
## 7370 0.090927	3480.2632	6725.001	1889.454346
## 7371 0.158273	3797.2122	7306.411	1019.752319
## 7372 0.136375	3349.4453	6288.000	1382.414795
## 7373 0.126710	3689.9888	7025.944	1495.416016
## 7374 0.173672	3565.1123	6701.251	1825.035767
## 7375 0.130729	3519.3674	6702.779	1323.501099
## 7376 0.094022	3506.3013	7397.284	593.356506
## 7377 0.123677	3830.1902	7567.479	63.089870
## 7378 0.106750	3361.5435	6442.000	1246.955200
## 7379 0.135008	3821.9417	7255.956	1902.038452
## 7380 0.146167	3943.1433	7545.765	687.523254
## 7381 0.112750	3374.8069	6367.000	3491.247314
## 7382 0.145170	3958.9666	7540.669	1365.364258
## 7383 0.183887	3948.2039	7418.357	1384.336548
## 7384 0.188125	3371.5081	6338.000	817.867004
## 7385 0.201587	3888.4326	7234.178	887.903381
## 7386 0.224443	3938.7686	7290.143	914.769226
## 7387 0.200919	3921.4358	7341.578	904.121155
## 7388 0.211197	3953.4521	7326.419	1265.823486

## 7389 0.217311	3909.3508	7241.939	957.887207
## 7390 0.226743	3690.0283	6849.519	497.872589
## 7391 0.175068	3925.7244	7418.774	1355.716309
## 7392 0.142308	3367.6626	6460.576	53.124901
## 7393 0.181414	3733.4104	7014.913	1590.847046
## 7394 0.141122	3724.4805	7314.774	903.486877
## 7395 0.099544	2827.4631	7422.136	106.161629
## 7396 0.124005	3868.8782	7523.570	151.024368
## 7397 0.118170	3762.4275	7271.072	216.473007
## 7398 0.159649	3937.6956	7452.805	1583.194824
## 7399 0.142811	3887.8276	7498.711	846.940491
## 7400 0.137788	3804.5396	7391.347	1166.742432
## 7401 0.111250	3234.1594	6504.002	53.564350
## 7402 0.049000	3323.3086	6640.000	2581.131592
## 7403 0.102625	3301.1121	6497.000	775.605286
## 7404 0.048698	3619.1851	7371.251	2012.494263
## 7405 0.054000	1236.3340	6572.000	0.036167
## 7406 0.067188	2494.0195	6684.823	522.154053
## 7407 0.065750	3329.1860	6582.001	645.493286
## 7408 0.078629	3469.9407	6815.324	1096.396606
## 7409 0.081875	3326.4958	6541.000	899.464905
## 7410 0.080959	3593.7229	7098.838	709.617981
## 7411 0.151625	3342.1543	6357.000	838.012207
## 7412 0.108459	3708.6106	7180.174	1112.537842
## 7413 0.118311	3845.8503	7444.296	1064.119629
## 7414 0.112637	3840.5996	7473.682	1011.615356
## 7415 0.108009	3863.2158	7561.260	803.349915
## 7416 0.095085	3802.2659	7512.136	671.943970
## 7417 0.079250	3332.5498	6568.000	844.079529
## 7418 0.051273	3280.1672	6733.333	460.979797
## 7419 0.096705	3669.8433	7324.093	1395.504150
## 7420 0.081152	3479.9524	6864.063	1313.831543
## 7421 0.081134	3393.4568	6661.112	928.539001
## 7422 0.123093	3774.8335	7334.742	674.003296
## 7423 0.118784	3761.1128	7382.337	443.505127
## 7424 0.108574	3567.2129	6921.795	849.442871
## 7425 0.164875	3275.3574	6310.000	22.106464
## 7426 0.120420	3790.2327	7476.336	611.982666
## 7427 0.091113	3411.7175	6768.752	560.498474
## 7428 0.139280	3767.2119	7480.492	429.161285
## 7429 0.113259	3489.1204	7414.951	855.927979
## 7430 0.145680	3743.3608	7158.825	539.915894
## 7431 0.106125	3358.2603	6467.000	735.744080
## 7432 0.128684	3757.8645	7436.990	467.061218
## 7433 0.145898	3228.1345	6647.659	416.408813
## 7434 0.130324	3216.1331	6490.742	149.661880
## 7435 0.121615	3546.4104	6831.944	435.372711
## 7436 0.135375	3355.7312	6411.000	412.391785
## 7437 0.151250	3452.2373	6604.167	284.997986
## 7438 0.143750	3595.8032	6853.751	739.417358
## 7439 0.093537	3611.5422	7060.793	716.922852
## 7440 0.109838	3649.3032	7212.037	207.799377
## 7441 0.126776	3604.9651	6989.773	921.481689
## 7442 0.148125	3692.2271	7180.000	316.530762

## 7443 0.121030	3486.8674	6782.434	749.151001
## 7444 0.119196	3488.0569	6882.144	918.516357
## 7445 0.123523	3720.1140	7392.307	410.329529
## 7446 0.082986	3508.8557	6952.778	341.842987
## 7447 0.108438	3422.3848	6726.668	196.842834
## 7448 0.105664	3459.7678	6792.188	199.308701
## 7449 0.078125	3336.0857	6577.000	361.622894
## 7450 0.090000	3326.0869	6576.000	979.445862
## 7451 0.120781	3578.0083	6961.251	232.567062
## 7452 0.083794	3566.4272	7110.466	618.627869
## 7453 0.116021	3738.9263	7318.313	472.056519
## 7454 0.099074	3384.0400	6614.816	443.302917
## 7455 0.214750	3335.2776	6214.999	79.281845
## 7456 0.157813	3498.8857	6737.500	198.247177
## 7457 0.112432	3676.0955	7506.748	364.387634
## 7458 0.171446	3856.3982	7323.664	640.363708
## 7459 0.155945	3511.4807	6777.439	401.550476
## 7460 0.131190	3834.4270	7346.669	1168.168701
## 7461 0.118375	3816.7778	7397.500	556.622986
## 7462 0.058500	3644.1497	7241.003	1280.722168
## 7463 0.058750	3349.7920	6549.001	1257.217773
## 7464 0.113477	3541.7747	7007.291	1198.983276
## 7465 0.103625	3351.7837	6432.000	881.181152
## 7466 0.121155	3884.4294	7480.423	972.520020
## 7467 0.091375	3351.5010	6472.999	533.687927
## 7468 0.100255	3669.3044	7078.062	1589.481812
## 7469 0.082375	3349.5840	6514.001	1292.715088
## 7470 0.126250	3372.8760	6402.000	1462.812622
## 7471 0.108537	3605.0178	6957.318	1920.651123
## 7472 0.093625	3346.8608	6514.000	1228.290894
## 7473 0.130035	3560.1296	6772.223	1324.920532
## 7474 0.111250	3356.5659	6450.000	1440.230469
## 7475 0.104779	3516.0042	6820.590	1568.685181
## 7476 0.106071	3531.4993	6850.000	1174.095825
## 7477 0.129861	3633.2852	7015.555	805.927673
## 7478 0.109053	3748.1035	7280.881	1635.407349
## 7479 0.115763	3885.9026	7617.674	334.726013
## 7480 0.089561	3612.6016	7103.724	354.619049
## 7481 0.109677	3457.3035	6704.032	218.611206
## 7482 0.122486	3548.7563	7008.152	183.601761
## 7483 0.105388	3639.5063	7372.701	351.256287
## 7484 0.103831	3911.8511	7671.862	710.172607
## 7485 0.090358	3745.7012	7537.404	177.950348
## 7486 0.063810	1758.8663	6848.387	0.025795
## 7487 0.064482	1642.7351	7106.707	0.009808
## 7488 0.065625	2576.1514	7428.823	252.999298
## 7489 0.085491	3633.8044	7227.234	255.301697
## 7490 0.094531	3751.1636	7333.682	983.180359
## 7491 0.068750	3595.4482	7132.955	703.692444
## 7492 0.093958	3601.1589	7057.221	346.705505
## 7493 0.070864	3504.4060	6907.353	1172.911865
## 7494 0.103547	3548.4194	6928.380	730.401062
## 7495 0.092361	3751.0161	7405.250	436.754791
## 7496 0.109121	3884.8445	7573.256	1028.811646

## 7497 0.095401	3680.7937	7175.473	908.957764
## 7498 0.115404	3822.3257	7551.174	621.893433
## 7499 0.140243	3894.5449	7549.156	995.908569
## 7500 0.116551	3702.8894	7132.408	1918.306885
## 7501 0.125098	3500.4116	6694.533	1674.845459
## 7502 0.097222	3538.4956	6915.279	1709.585938
## 7503 0.165930	3616.7881	6857.927	1641.294312
## 7504 0.105407	3710.4512	7271.430	1257.824219
## 7505 0.065367	3774.3811	7590.367	2432.481445
## 7506 0.066853	3401.0630	6698.214	2283.166992
## 7507 0.096528	3759.1655	7332.989	2415.011230
## 7508 0.098437	3421.8403	6619.645	1909.957153
## 7509 0.114663	3595.5010	6855.770	2336.407471
## 7510 0.104958	3773.6907	7348.667	1458.572388
## 7511 0.128283	3784.7139	7309.495	1589.280396
## 7512 0.118349	3588.4570	6910.256	1058.697632
## 7513 0.097000	3347.4053	6479.000	1220.979736
## 7514 0.091778	3787.9705	7422.025	2144.517090
## 7515 0.095202	3841.7029	7555.710	1787.671875
## 7516 0.078686	3572.1941	7021.794	2031.902466
## 7517 0.090701	3585.3472	7050.611	1553.357666
## 7518 0.116625	3348.2527	6475.000	1329.069092
## 7519 0.090625	3622.4338	7124.458	1204.769165
## 7520 0.106105	3892.2942	7562.427	1728.657715
## 7521 0.090982	3523.3237	6884.286	1248.435669
## 7522 0.087625	3345.1958	6538.001	1090.267090
## 7523 0.099625	3352.6260	6481.999	1618.399292
## 7524 0.064990	3260.3613	7366.404	1078.769653
## 7525 0.063375	3347.2012	6618.001	2799.784668
## 7526 0.089828	3679.2605	7210.786	2525.949463
## 7527 0.133835	3804.9302	7356.792	1548.166748
## 7528 0.144000	3942.7878	7582.614	1253.438232
## 7529 0.152624	3838.6541	7327.597	1069.389771
## 7530 0.171843	3841.0225	7258.671	1361.946655
## 7531 0.098500	3348.3657	6492.000	1287.890259
## 7532 0.102232	3877.0444	7563.715	1014.991760
## 7533 0.105027	3766.2852	7246.375	1989.929932
## 7534 0.146444	3738.8689	7035.777	2189.887451
## 7535 0.125750	3362.6538	6387.999	1624.029053
## 7536 0.112765	3674.6633	7180.506	1525.301270
## 7537 0.104942	3626.3767	6965.699	2124.424805
## 7538 0.099785	3444.8525	6596.552	1705.292480
## 7539 0.084375	3335.7615	6529.999	943.882446
## 7540 0.094426	3830.6824	7489.639	992.015747
## 7541 0.082129	3462.1458	6845.312	99.703178
## 7542 0.106345	3731.6309	7260.229	739.665161
## 7543 0.101112	3847.4001	7456.993	1668.667725
## 7544 0.110458	3788.7051	7437.130	625.571350
## 7545 0.098477	3785.0083	7337.502	1531.375488
## 7546 0.107428	3699.9568	7224.591	1034.147461
## 7547 0.108394	3857.4617	7523.908	1070.362915
## 7548 0.105125	3353.2749	6427.000	1008.514465
## 7549 0.095125	3347.7339	6484.001	1385.497314
## 7550 0.100000	3608.9988	6989.536	883.675903

## 7551 0.081892	3888.3091	7710.824	1420.902588
## 7552 0.069754	3903.0679	7769.431	1347.019775
## 7553 0.067154	3872.7764	7753.780	1449.635742
## 7554 0.050856	3669.2358	7475.000	1107.154419
## 7555 0.069757	3844.0530	7642.953	1661.919434
## 7556 0.059249	3871.9934	7776.561	1403.273926
## 7557 0.078675	3836.9355	7587.400	2248.613281
## 7558 0.066782	3400.3772	6667.593	3668.902344
## 7559 0.083933	3881.6189	7691.669	1783.092529
## 7560 0.065208	3705.5173	7317.084	2095.262451
## 7561 0.062789	3668.5991	7290.278	2374.777100
## 7562 0.085817	3373.9021	6576.925	1696.010498
## 7563 0.070605	3456.0186	6882.814	482.770020
## 7564 0.078125	2373.2729	6574.038	42.242943
## 7565 0.107750	3093.4270	6396.000	26.317562
## 7566 0.136298	3339.3865	6401.923	1374.660400
## 7567 0.107422	3595.2278	7061.459	1952.753784
## 7568 0.089000	3336.2798	6470.002	1676.118408
## 7569 0.116012	3874.4143	7645.991	1384.326294
## 7570 0.132407	3879.3018	7649.287	800.323608
## 7571 0.134860	3841.3203	7378.157	717.973450
## 7572 0.121384	3769.2007	7241.432	1033.187134
## 7573 0.133509	3964.4988	7623.620	1681.093262
## 7574 0.127941	3806.6221	7577.618	1796.153076
## 7575 0.120496	3908.1660	7534.474	1759.681152
## 7576 0.119549	3944.5442	7586.757	1777.266479
## 7577 0.108430	3631.3623	6937.792	1942.965454
## 7578 0.121962	3941.5193	7575.709	1715.526001
## 7579 0.137132	3960.8535	7570.745	1529.931396
## 7580 0.118201	3966.8159	7665.686	1510.009644
## 7581 0.137788	3984.5237	7587.825	1732.423584
## 7582 0.151047	3958.4590	7594.354	1006.227722
## 7583 0.137879	3524.0986	6716.667	658.592590
## 7584 0.125000	3360.2913	6448.000	510.396545
## 7585 0.137500	3747.9443	7148.363	613.268188
## 7586 0.131743	3277.4021	7244.738	421.985107
## 7587 0.123174	3472.0327	7357.305	1489.156494
## 7588 0.152804	3907.1948	7455.137	1409.731201
## 7589 0.192108	3734.6313	6993.643	1067.672607
## 7590 0.123798	3375.8953	6452.885	930.382751
## 7591 0.192600	3854.9558	7248.822	1026.071655
## 7592 0.159023	3898.4009	7435.313	1197.540894
## 7593 0.111151	3828.4531	7639.209	957.289795
## 7594 0.103425	3833.3716	7476.000	417.689423
## 7595 0.152973	3881.4460	7600.687	534.952454
## 7596 0.113625	3332.6956	6406.000	965.410400
## 7597 0.148403	3546.7852	6868.890	383.768707
## 7598 0.134961	3457.2783	6664.843	706.579285
## 7599 0.130141	3420.8149	6625.002	491.839111
## 7600 0.136268	3734.4246	7202.818	663.849060
## 7601 0.116133	3731.1091	7533.435	1566.245361
## 7602 0.119625	3371.4563	6411.001	1485.935547
## 7603 0.112125	3683.5898	7084.501	1846.532837
## 7604 0.122568	3929.4873	7519.583	1718.388306

## 7605 0.148395	3788.4424	7241.555	1243.424683
## 7606 0.167566	3892.0088	7374.432	1731.054565
## 7607 0.148535	3516.1423	6655.470	1318.103516
## 7608 0.104750	3366.3354	6472.000	1071.441284
## 7609 0.117875	3356.0083	6418.000	979.834717
## 7610 0.108447	3753.2339	7257.421	1160.770752
## 7611 0.111750	3362.8845	6479.000	607.273193
## 7612 0.086484	3835.2747	7573.778	2166.219238
## 7613 0.101375	3358.7683	6542.000	1272.646851
## 7614 0.138443	3701.4133	7155.660	1518.561646
## 7615 0.095000	3349.0703	6526.000	1803.819946
## 7616 0.097187	3456.1628	6750.835	1171.697876
## 7617 0.073395	3552.9275	7020.271	1725.820190
## 7618 0.081490	3355.2695	6624.040	293.837372
## 7619 0.076563	1662.1956	7113.540	0.286744
## 7620 0.091625	3331.5964	6628.001	1317.027710
## 7621 0.090625	3427.6980	6840.834	1465.170166
## 7622 0.080469	3470.1953	6881.250	1068.985962
## 7623 0.106927	3722.2612	7267.085	1093.548340
## 7624 0.116447	3553.3264	6917.106	502.820709
## 7625 0.107107	3720.1506	7262.099	310.768036
## 7626 0.082348	2628.2146	6961.488	422.811157
## 7627 0.105986	3778.6753	7369.878	681.233032
## 7628 0.118490	3835.7539	7462.918	484.579132
## 7629 0.072565	3865.9148	7713.754	1040.304688
## 7630 0.051076	3671.2354	7403.279	1261.373779
## 7631 0.047633	3688.2214	7449.244	945.065186
## 7632 0.074752	3881.7488	7759.105	925.714966
## 7633 0.103306	3806.3643	7623.375	185.097641
## 7634 0.105536	3781.1646	7454.045	194.724579
## 7635 0.081000	3302.7827	6517.002	182.629089
## 7636 0.111380	3647.0154	7107.550	226.664246
## 7637 0.099375	3677.9021	7232.499	261.945496
## 7638 0.094602	3468.8442	6794.698	441.482269
## 7639 0.102009	3573.6465	7014.882	261.093719
## 7640 0.092159	3474.7292	7218.637	134.195450
## 7641 0.095250	2885.6699	6450.999	1.143849
## 7642 0.091250	3383.3689	6806.431	28.939728
## 7643 0.103875	3308.1882	6406.000	63.620270
## 7644 0.102250	3286.9275	6406.000	44.905411
## 7645 0.118975	3791.4419	7395.946	110.069824
## 7646 0.121323	3920.3423	7623.095	730.232483
## 7647 0.118519	3752.8796	7421.065	184.961975
## 7648 0.106664	3837.4172	7513.233	239.611526
## 7649 0.142028	3858.0034	7373.423	651.237061
## 7650 0.150035	3836.1985	7570.082	498.604309
## 7651 0.105853	3872.1157	7615.468	679.644897
## 7652 0.100643	3488.0625	6827.206	397.720337
## 7653 0.088630	3751.4089	7466.222	711.594604
## 7654 0.078655	3628.0945	7329.236	524.699341
## 7655 0.087601	3779.8477	7428.496	1006.093811
## 7656 0.066118	3481.9375	7038.159	524.543701
## 7657 0.088625	3318.9114	6514.001	388.240112
## 7658 0.071923	3743.4048	7640.270	602.459167

## 7659 0.134961	3469.4404	6678.128	375.875793
## 7660 0.125322	3850.2732	7561.102	717.543274
## 7661 0.152745	3682.1184	7276.636	135.093307
## 7662 0.108318	3660.1978	7241.912	1104.305054
## 7663 0.131375	3221.0232	6354.000	38.085304
## 7664 0.117485	3673.9666	7430.164	1139.448730
## 7665 0.129875	2784.7585	6412.000	110.833916
## 7666 0.113470	3436.4270	6613.795	1054.707397
## 7667 0.129875	3333.2104	6396.000	490.029449
## 7668 0.120250	3344.8057	6403.000	1009.418091
## 7669 0.131375	3349.8684	6428.999	540.294128
## 7670 0.109250	3350.2661	6431.000	482.133575
## 7671 0.142352	3737.3286	7450.164	698.897522
## 7672 0.123678	3387.8743	6491.345	2060.706299
## 7673 0.132959	3732.8425	7212.499	1607.338013
## 7674 0.110556	3630.1899	7022.779	1621.665161
## 7675 0.177375	3364.0977	6281.001	1653.402588
## 7676 0.158437	3787.2310	7141.428	2750.040283
## 7677 0.149875	3366.0447	6363.002	1144.307861
## 7678 0.185156	3516.1370	6567.970	1812.515381
## 7679 0.151625	3369.8262	6367.999	1468.119019
## 7680 0.115250	3343.3899	6421.999	801.269348
## 7681 0.113407	3726.0894	7209.273	974.402649
## 7682 0.101250	3347.0400	6498.001	849.603149
## 7683 0.104559	3723.0127	7234.426	1487.302490
## 7684 0.139217	3762.5957	7246.833	722.002075
## 7685 0.104097	3926.8340	7683.664	984.152039
## 7686 0.140307	3924.9709	7547.912	1108.102173
## 7687 0.135792	3924.7783	7529.450	1429.443604
## 7688 0.123029	3782.2751	7633.369	614.856140
## 7689 0.128277	3820.1914	7370.143	342.525848
## 7690 0.160720	3975.9556	7557.437	963.805847
## 7691 0.210833	3988.5635	7419.149	1062.868408
## 7692 0.223904	3950.6707	7334.199	1413.119019
## 7693 0.155357	3813.2349	7233.793	1092.326294
## 7694 0.148712	3886.5266	7428.941	625.899658
## 7695 0.182750	3379.3074	6259.002	1603.237183
## 7696 0.136168	3534.3193	7431.782	828.069458
## 7697 0.080596	3823.8958	7573.450	108.450157
## 7698 0.088493	3821.7939	7574.224	99.303848
## 7699 0.185611	3903.5776	7426.107	758.661377
## 7700 0.166570	3608.0786	6785.465	1373.622070
## 7701 0.163594	3561.9941	6753.124	1183.628540
## 7702 0.194701	3869.6694	7411.660	1017.965515
## 7703 0.194782	3838.1204	7325.125	1038.272095
## 7704 0.271568	3903.8242	7143.667	569.016235
## 7705 0.237216	3495.2004	6313.637	210.936111
## 7706 0.160000	3277.3635	6294.001	1196.184814
## 7707 0.267500	3328.6316	5885.999	326.123840
## 7708 0.241162	3631.5852	6748.047	457.066010
## 7709 0.179625	3262.8362	6208.000	826.726990
## 7710 0.175607	2942.7732	7187.136	281.505829
## 7711 0.076287	1706.9224	7347.793	768.921814
## 7712 0.089738	3800.4243	7440.125	2501.623291

## 7713 0.136641	3601.8623	6955.625	1646.774414
## 7714 0.101848	3814.6042	7466.129	1704.630615
## 7715 0.075417	3441.7942	6800.835	268.856873
## 7716 0.082267	2336.0513	7032.560	472.545715
## 7717 0.069375	3343.8909	6540.000	3170.212891
## 7718 0.107375	3652.0430	7102.503	1243.780518
## 7719 0.146019	3819.7454	7235.714	1596.013550
## 7720 0.146555	3817.7515	7285.794	1733.806152
## 7721 0.121250	3751.2583	7303.336	979.420166
## 7722 0.155344	3836.1584	7305.001	1661.226685
## 7723 0.132309	3720.6543	7143.218	1689.123047
## 7724 0.085625	3328.9456	6504.000	1047.549561
## 7725 0.130785	3644.6882	6979.255	1523.192505
## 7726 0.131167	3841.2043	7391.817	1010.547729
## 7727 0.111172	3579.8562	6918.125	1366.340332
## 7728 0.114115	3729.1445	7157.082	1484.627075
## 7729 0.077623	3764.8567	7421.607	1841.815186
## 7730 0.097877	3692.5015	7145.754	1670.053711
## 7731 0.109007	3686.6099	7075.490	1982.957642
## 7732 0.105339	3663.9785	7051.562	1845.267578
## 7733 0.089000	3339.7703	6498.001	1282.704834
## 7734 0.082750	3350.2207	6544.000	1314.956055
## 7735 0.112946	3731.1128	7254.763	852.526733
## 7736 0.118359	3594.0059	6909.376	1006.822327
## 7737 0.120687	3768.6533	7260.916	1309.542236
## 7738 0.106934	3479.3215	6753.908	881.141907
## 7739 0.110417	3522.0593	6857.640	865.385315
## 7740 0.084375	3667.8965	7186.273	1194.091675
## 7741 0.101683	3379.2947	6539.424	808.062988
## 7742 0.122147	3632.9915	7025.001	1043.628174
## 7743 0.127206	3526.8003	6717.650	1155.954468
## 7744 0.117656	3602.7515	6925.001	1239.280273
## 7745 0.124899	3865.7251	7432.865	1312.093018
## 7746 0.098539	3769.2151	7362.663	1257.195679
## 7747 0.095177	3636.5203	7093.477	1295.641235
## 7748 0.105141	3852.7600	7494.152	1514.829956
## 7749 0.096399	3645.2146	7101.632	1286.248901
## 7750 0.089746	3490.8083	6770.314	1065.169312
## 7751 0.092898	3623.9646	7077.840	809.595581
## 7752 0.101157	3322.0356	6586.112	237.955093
## 7753 0.078223	3755.6687	7485.678	378.996582
## 7754 0.092288	3796.4595	7512.301	430.089783
## 7755 0.048247	3236.5288	7115.854	391.853058
## 7756 0.058125	3322.0430	6589.000	1164.860840
## 7757 0.053365	3309.1475	6679.808	394.664062
## 7758 0.065194	3377.0754	6762.931	184.938690
## 7759 0.077142	3805.6013	7572.984	1570.321899
## 7760 0.079141	3707.9236	7426.874	241.508713
## 7761 0.073129	3791.1897	7634.238	217.432281
## 7762 0.087092	3722.1765	7443.479	354.705872
## 7763 0.081027	3371.4507	6659.822	306.274597
## 7764 0.103465	3823.3826	7515.218	818.158813
## 7765 0.120375	3233.6084	6481.002	475.034210
## 7766 0.067875	3352.4626	6578.001	1616.889893

## 7767 0.069612	3442.9917	6756.897	1226.711426
## 7768 0.089773	3717.9590	7312.122	789.192383
## 7769 0.119712	3386.1692	6517.308	918.016296
## 7770 0.100000	3679.7271	7234.428	472.385742
## 7771 0.107711	3770.0786	7348.054	1006.109558
## 7772 0.149219	3742.9380	7189.844	912.752197
## 7773 0.148520	3553.4534	6838.159	640.913513
## 7774 0.116941	3695.3269	7140.353	546.849670
## 7775 0.103480	3623.4180	7036.934	594.526001
## 7776 0.106048	3474.6582	6714.519	756.007446
## 7777 0.128627	3690.1716	7089.285	652.819458
## 7778 0.091504	3477.8811	6796.096	577.212585
## 7779 0.098599	3425.1157	6659.484	366.496613
## 7780 0.117744	3845.8828	7439.197	697.537415
## 7781 0.105943	3700.5859	7218.443	579.338196
## 7782 0.091939	3784.9932	7407.103	613.166443
## 7783 0.098438	3681.4009	7203.241	543.589172
## 7784 0.096875	3435.9373	6629.465	551.623352
## 7785 0.103750	3359.2097	6502.998	575.948792
## 7786 0.116895	3735.9290	7225.782	626.567261
## 7787 0.084615	3360.8032	6580.769	328.583466
## 7788 0.080982	3511.7930	6894.287	374.337402
## 7789 0.108631	3734.3552	7275.396	424.564667
## 7790 0.095486	3540.8979	6909.724	595.725647
## 7791 0.095884	3576.5435	7054.269	340.715668
## 7792 0.130565	3752.1448	7248.975	370.111908
## 7793 0.112831	3095.9019	7306.442	1.707089
## 7794 0.100098	3255.5544	6810.939	171.671326
## 7795 0.064428	3588.9707	7183.510	363.305634
## 7796 0.089787	3518.0173	7024.391	178.999207
## 7797 0.103060	3532.0122	7096.875	512.778259
## 7798 0.065809	3498.8616	6903.677	1153.907227
## 7799 0.123516	3813.0874	7390.150	989.106262
## 7800 0.083395	3648.4658	7215.198	1036.063599
## 7801 0.086250	3332.4241	6535.000	1263.927490
## 7802 0.091750	3343.3140	6541.000	1098.016113
## 7803 0.110250	3338.1602	6508.001	757.916260
## 7804 0.092125	3304.7175	6550.999	621.445068
## 7805 0.123070	3679.4690	7272.058	412.276031
## 7806 0.158654	3526.8584	6746.155	298.239990
## 7807 0.111315	3433.8362	6569.828	473.416656
## 7808 0.158141	3520.5110	6764.474	231.425659
## 7809 0.122743	3532.4714	6750.696	310.433197
## 7810 0.137835	3113.2627	6511.608	201.828278
## 7811 0.131002	3627.1179	7158.732	359.582275
## 7812 0.119984	3533.9700	6903.289	369.501251
## 7813 0.112875	3317.0498	6469.000	374.777283
## 7814 0.154255	3646.0203	6937.236	453.047821
## 7815 0.161269	3503.1650	6519.698	1106.400635
## 7816 0.125576	3495.9622	6832.236	337.601379
## 7817 0.123558	3526.0896	6916.667	342.740997
## 7818 0.085250	3314.8784	6583.001	286.260162
## 7819 0.141278	3743.1929	7205.598	666.166748
## 7820 0.185904	3644.8469	6859.045	468.565857

## 7821 0.110603	3416.6653	6654.465	576.144043
## 7822 0.125707	3700.0735	7472.610	285.014343
## 7823 0.113221	3380.5947	6489.422	686.939636
## 7824 0.103625	3329.6467	6472.001	167.004684
## 7825 0.118497	3545.2239	6838.513	366.309204
## 7826 0.151191	3599.6011	6863.691	446.451752
## 7827 0.157361	3652.6038	6849.445	1415.013184
## 7828 0.156000	3365.7258	6327.999	555.213562
## 7829 0.145469	3591.9597	6826.250	609.425537
## 7830 0.128226	3483.4419	6630.646	646.766479
## 7831 0.123704	3614.2102	6853.048	1241.526001
## 7832 0.123175	3908.7847	7563.988	964.085388
## 7833 0.071733	3597.7878	7159.091	858.561584
## 7834 0.087083	3600.0718	7102.779	778.836975
## 7835 0.084071	3744.0110	7381.599	1091.924438
## 7836 0.072647	3660.9045	7460.184	299.156372
## 7837 0.092860	3854.0498	7599.565	581.324280
## 7838 0.074764	3664.2937	7241.037	968.586914
## 7839 0.096875	3462.9187	6773.389	676.466614
## 7840 0.058750	3315.7812	6610.001	540.534668
## 7841 0.080172	3408.3496	6722.416	359.706055
## 7842 0.107604	3404.8467	6680.003	63.572948
## 7843 0.075000	3338.6980	6557.000	1112.080444
## 7844 0.097321	3407.8796	6610.715	820.303589
## 7845 0.132500	3365.6572	6405.000	911.798645
## 7846 0.094226	3637.0332	7107.610	938.802979
## 7847 0.093333	3422.2959	6754.167	246.570129
## 7848 0.090125	3327.4878	6542.000	730.484863
## 7849 0.094003	3548.2849	6922.975	822.259216
## 7850 0.102694	3434.1663	6678.449	546.037598
## 7851 0.106978	3748.7107	7339.043	522.776367
## 7852 0.069625	3253.2439	6566.000	646.033020
## 7853 0.063731	3213.1887	6866.667	525.093750
## 7854 0.050665	3504.7700	7216.488	1151.011108
## 7855 0.060677	3453.8704	7229.165	731.699402
## 7856 0.102334	3735.7932	7425.303	951.352783
## 7857 0.095855	3609.5186	7170.919	603.509766
## 7858 0.113040	3846.5259	7468.410	2185.181885
## 7859 0.119054	3779.1960	7293.404	2013.914917
## 7860 0.125739	3862.1318	7415.455	2025.172485
## 7861 0.096939	3664.8660	7125.002	2091.615967
## 7862 0.105019	3517.6943	6765.152	1873.799072
## 7863 0.092371	3761.8677	7312.500	2009.821655
## 7864 0.106667	3734.6377	7230.000	1880.140259
## 7865 0.098375	3369.0620	6467.002	1241.747559
## 7866 0.105179	3842.5391	7429.521	1713.798706
## 7867 0.090745	3381.6926	6557.693	1938.625977
## 7868 0.086146	3430.0347	6755.833	797.035278
## 7869 0.078414	3645.5027	7219.908	2034.680664
## 7870 0.078493	3486.2063	6859.562	2038.772583
## 7871 0.092411	3792.1221	7455.767	1566.985718
## 7872 0.076683	3372.7754	6600.962	1808.802368
## 7873 0.091506	3551.3892	6974.358	1288.031128
## 7874 0.095933	3722.0381	7277.382	2144.661865

## 7875 0.100929	3767.2471	7374.324	1175.358887
## 7876 0.076716	3302.0405	7206.863	636.451599
## 7877 0.067839	3765.9619	7611.872	317.265778
## 7878 0.049913	3449.2007	7027.083	182.637772
## 7879 0.081354	3392.6821	6804.167	167.235535
## 7880 0.096875	3317.6719	6483.000	1119.497681
## 7881 0.111641	3591.0693	6918.125	2174.106689
## 7882 0.113357	3714.5166	7198.789	1607.134888
## 7883 0.093555	3691.3352	7276.176	1068.075806
## 7884 0.064803	3752.6199	7600.217	143.698227
## 7885 0.146875	3350.9272	6307.000	1488.288330
## 7886 0.136746	3831.6873	7335.775	1652.700317
## 7887 0.074360	3758.6533	7589.373	592.165466
## 7888 0.108836	3396.1123	6681.035	1088.547607
## 7889 0.126645	3820.4680	7342.368	1670.682251
## 7890 0.089732	3727.2415	7416.964	1015.929504
## 7891 0.065385	3303.3135	6652.885	96.165909
## 7892 0.044375	3222.6726	6651.000	127.703545
## 7893 0.113000	3345.8477	6427.000	1130.300903
## 7894 0.065144	3324.0022	6638.462	310.239624
## 7895 0.099875	3321.3684	6431.000	1246.135742
## 7896 0.097035	3551.9246	6930.771	1063.687866
## 7897 0.100835	3813.0984	7496.554	923.099548
## 7898 0.107762	3774.2185	7376.881	829.957092
## 7899 0.104972	3583.6045	7027.841	1449.162598
## 7900 0.096232	3481.8103	6802.207	1381.172607
## 7901 0.105815	3740.1753	7310.759	1268.984253
## 7902 0.070676	3698.2024	7402.056	424.323608
## 7903 0.082452	3657.9517	7351.924	150.168808
## 7904 0.106470	3848.0410	7506.866	1675.322876
## 7905 0.087262	3847.8657	7652.436	905.487915
## 7906 0.092679	3477.9834	6829.287	1163.991577
## 7907 0.060802	3697.8125	7557.065	153.476685
## 7908 0.080256	3658.5117	7377.650	1030.282104
## 7909 0.105078	3822.7214	7535.939	1663.450806
## 7910 0.075500	3219.2336	6505.000	1593.495972
## 7911 0.120433	3362.2695	6468.269	1307.672852
## 7912 0.102125	3262.4395	6485.001	526.378113
## 7913 0.102500	3145.7678	6507.000	639.362183
## 7914 0.096750	3312.1509	6447.999	1348.551147
## 7915 0.111853	3376.2227	6606.035	845.372742
## 7916 0.095125	3178.4834	6491.000	893.442200
## 7917 0.134250	3324.0032	6378.000	679.396729
## 7918 0.116572	3382.7710	6768.941	1297.651123
## 7919 0.103854	3453.7136	6642.501	1544.168213
## 7920 0.118375	3189.7600	6431.001	854.861816
## 7921 0.088375	3019.7212	6538.001	60.456478
## 7922 0.161250	3367.9214	6253.000	2229.200684
## 7923 0.167875	3345.5134	6247.000	1346.136353
## 7924 0.159125	3319.1189	6227.000	857.716980
## 7925 0.132375	3347.3569	6287.000	713.652344
## 7926 0.161352	3784.8906	7271.581	1513.717773
## 7927 0.141193	3674.4739	7128.785	1025.957642
## 7928 0.154907	3769.4956	7310.091	1008.840088

## 7929 0.105500	3064.5459	6456.001	120.933800
## 7930 0.048264	2799.0229	6764.816	1.242572
## 7931 0.027750	2715.6138	6687.000	1.534056
## 7932 0.165000	3372.0149	6241.000	793.396729
## 7933 0.146774	3494.9678	6498.388	1033.489746
## 7934 0.133875	3374.5627	6308.000	1624.913696
## 7935 0.144250	3365.6089	6318.000	692.314331
## 7936 0.157720	3911.6733	7338.245	2027.635620
## 7937 0.163229	3747.0754	6950.002	2287.340820
## 7938 0.130125	3362.8052	6320.000	1590.637451
## 7939 0.124250	3363.2437	6344.999	1205.618774
## 7940 0.136272	3443.2100	6438.394	2216.874023
## 7941 0.130875	3372.5422	6302.000	1748.318237
## 7942 0.140250	3376.1892	6288.001	1688.195312
## 7943 0.127375	3372.0210	6323.002	2027.520996
## 7944 0.136538	3403.5667	6350.963	2414.814453
## 7945 0.145625	3367.9844	6316.000	1006.031372
## 7946 0.139500	3373.1211	6334.000	1254.628296
## 7947 0.172092	3880.1274	7207.608	1704.327148
## 7948 0.157623	3771.0569	7034.848	1572.473145
## 7949 0.168722	3873.1782	7213.720	1535.599121
## 7950 0.147250	3381.3704	6273.000	2113.918945
## 7951 0.143625	3378.6621	6299.001	2405.063232
## 7952 0.131125	3370.8406	6307.002	1228.841553
## 7953 0.109875	2110.6777	6422.002	585.820496
## 7954 0.060250	2553.7363	6561.000	102.717873
## 7955 0.146121	3442.9009	6440.518	356.179443
## 7956 0.134625	3371.2073	6306.000	1135.708984
## 7957 0.144500	3367.8975	6315.000	718.864929
## 7958 0.157229	3821.0059	7153.016	1760.511475
## 7959 0.149058	3758.9553	7040.481	1903.430908
## 7960 0.154896	3738.1162	6980.831	2436.748779
## 7961 0.150108	3462.0723	6413.793	2079.677246
## 7962 0.155036	3973.8406	7527.165	1594.118652
## 7963 0.100375	3350.2190	6441.001	1246.588013
## 7964 0.157500	3280.5647	6368.001	461.886719
## 7965 0.112625	3370.9985	6368.000	2685.638428
## 7966 0.103750	3330.5349	6441.000	1232.324463
## 7967 0.126786	3413.0566	6519.643	1209.205688
## 7968 0.137384	3787.0493	7368.520	1324.424683
## 7969 0.144555	3736.7925	7123.106	1405.433350
## 7970 0.143668	3757.0940	7365.133	1210.843506
## 7971 0.124500	3360.3662	6382.000	1818.676270
## 7972 0.116898	3302.6902	6559.259	1148.714966
## 7973 0.112125	3324.0361	6427.000	873.272766
## 7974 0.110250	3350.3870	6431.000	1362.910522
## 7975 0.133507	3479.3779	6809.722	666.542419
## 7976 0.123782	3909.6050	7559.156	1794.773682
## 7977 0.094250	3308.3093	6488.001	677.500488
## 7978 0.118400	3937.1069	7631.589	2003.290405
## 7979 0.108464	3748.2607	7250.695	1883.836792
## 7980 0.114663	3884.3308	7481.508	2195.621338
## 7981 0.121000	3269.4749	6442.000	1229.984009
## 7982 0.098250	3360.1306	6437.000	3437.807129

## 7983 0.100752	3647.3008	7139.817	1542.001221
## 7984 0.127572	3958.0674	7633.773	1585.229858
## 7985 0.115672	3760.4487	7194.320	1774.887329
## 7986 0.130125	3360.9839	6389.999	1264.328003
## 7987 0.088221	3392.0046	6515.385	4255.226562
## 7988 0.119238	3501.8171	6664.063	1492.327393
## 7989 0.095125	3364.7520	6471.001	1036.596558
## 7990 0.088359	3604.9355	6958.750	1470.590698
## 7991 0.115766	3893.1042	7475.321	1718.794678
## 7992 0.115625	3898.5063	7484.740	1652.859741
## 7993 0.117468	3612.7991	7470.836	1322.161499
## 7994 0.133860	3785.8992	7282.968	1377.178711
## 7995 0.149615	3672.3967	7171.234	988.014160
## 7996 0.135613	3797.0378	7293.562	1278.756714
## 7997 0.138972	3716.6621	7317.304	1424.375000
## 7998 0.161775	3811.4744	7281.473	1289.744629
## 7999 0.136517	3871.3899	7589.463	1406.750122
## 8000 0.112991	3772.2515	7199.645	2124.536133
## 8001 0.121013	3416.1208	6550.002	1090.663330
## 8002 0.122500	3352.3337	6355.000	1749.318970
## 8003 0.104861	3362.7056	6551.852	784.502014
## 8004 0.084125	3349.1655	6468.001	1352.428711
## 8005 0.104963	3521.4253	6758.088	1449.218872
## 8006 0.128407	3865.8330	7441.777	2072.623047
## 8007 0.127313	3857.7695	7436.363	1957.024048
## 8008 0.139904	3834.8672	7420.512	1374.246582
## 8009 0.152438	3760.5967	7234.070	972.306274
## 8010 0.167693	3901.6255	7388.041	1364.219360
## 8011 0.163028	3924.3611	7485.160	1716.056152
## 8012 0.171404	3779.9736	7093.836	1495.627930
## 8013 0.173918	3928.3762	7435.945	1829.237305
## 8014 0.188882	3839.5986	7141.316	1019.066711
## 8015 0.135778	3661.7988	6967.858	1650.291626
## 8016 0.134348	3822.5215	7346.792	1413.549072
## 8017 0.138720	3761.7583	7317.381	1649.576050
## 8018 0.139254	3761.9778	7539.136	843.822266
## 8019 0.126667	3175.4194	6592.502	364.097931
## 8020 0.098875	3180.6189	6482.000	866.030884
## 8021 0.114125	3244.0396	6411.000	1394.504395
## 8022 0.130250	3339.1460	6348.001	1604.308594
## 8023 0.119250	3355.9504	6400.001	1237.748413
## 8024 0.109625	3180.7268	6441.000	901.648010
## 8025 0.118500	3326.6169	6388.001	931.622742
## 8026 0.141907	3641.1035	7402.565	851.882141
## 8027 0.119318	3751.1519	7185.607	1673.446899
## 8028 0.137571	3785.9919	7264.487	1380.143066
## 8029 0.106750	3360.8604	6393.000	1348.262329
## 8030 0.173000	3267.5415	6320.000	781.747559
## 8031 0.170833	3404.4224	6342.593	1079.761475
## 8032 0.123750	3345.7639	6386.000	948.460449
## 8033 0.119375	3339.8296	6375.999	1283.781616
## 8034 0.137097	3483.2141	6579.838	1014.528076
## 8035 0.067250	2797.2710	6601.001	2.358829
## 8036 0.063625	1502.3699	6517.001	78.662277

## 8037 0.164156	3920.0500	7320.980	1362.175171
## 8038 0.148490	3747.9839	7018.749	1710.215088
## 8039 0.135000	3365.1562	6308.000	2359.064209
## 8040 0.128250	3351.8621	6333.000	2157.165039
## 8041 0.157750	3378.0566	6244.000	2067.403076
## 8042 0.146500	3373.3948	6240.001	2268.176270
## 8043 0.128500	3368.2683	6315.000	2057.130127
## 8044 0.123375	3369.5474	6340.000	1209.607544
## 8045 0.134500	3374.8713	6297.001	2246.296875
## 8046 0.133774	3401.4500	6328.848	2006.531616
## 8047 0.156221	3868.9675	7232.408	1989.966187
## 8048 0.169650	3777.2844	7045.833	1502.658203
## 8049 0.168531	3877.5029	7207.019	1723.177002
## 8050 0.146500	3374.3843	6243.000	1891.168457
## 8051 0.157986	3425.3892	6344.445	1271.284302
## 8052 0.140375	3371.3445	6336.000	1384.363647
## 8053 0.147125	3372.9934	6283.000	1380.268433
## 8054 0.151915	3503.7002	6520.969	1854.230347
## 8055 0.149769	3429.0342	6362.963	1964.001587
## 8056 0.140750	3379.6941	6296.001	2271.713379
## 8057 0.159222	3856.4478	7189.950	1230.859253
## 8058 0.162897	3761.2742	7023.811	1241.429199
## 8059 0.147396	3747.8979	7032.917	1859.384399
## 8060 0.130750	3371.5398	6324.000	964.683777
## 8061 0.156835	3951.0173	7385.688	2285.687744
## 8062 0.164350	3975.9072	7460.926	1746.280762
## 8063 0.141876	3895.1340	7565.160	1194.147583
## 8064 0.079398	3122.4871	6620.370	221.066040
## 8065 0.120925	3845.7788	7648.387	1091.470825
## 8066 0.116427	3870.1919	7598.455	1283.419556
## 8067 0.116761	3869.8806	7501.991	1404.083618
## 8068 0.131250	3408.2866	6634.677	1147.552734
## 8069 0.152818	3900.8079	7493.354	1381.457275
## 8070 0.154390	3763.6404	7226.490	1134.942627
## 8071 0.125446	3875.5459	7615.657	1246.291138
## 8072 0.141944	3888.9072	7519.490	1225.194336
## 8073 0.143290	3462.6072	6653.679	966.521179
## 8074 0.153831	3897.2903	7439.470	1374.271606
## 8075 0.147356	3360.7542	6377.885	729.261292
## 8076 0.122569	3391.9944	6428.704	1234.731201
## 8077 0.129722	3609.0010	6931.112	1402.121460
## 8078 0.129323	3909.1716	7606.252	1326.625122
## 8079 0.119311	3860.1392	7581.227	1021.343018
## 8080 0.117748	3891.4177	7595.183	1326.953735
## 8081 0.107045	3599.6240	7134.544	1343.721436
## 8082 0.159024	3930.0405	7523.696	1487.111450
## 8083 0.156031	3854.5557	7477.771	1493.217896
## 8084 0.133041	3885.1787	7463.243	1787.921387
## 8085 0.129649	3814.2097	7377.235	1387.619385
## 8086 0.140707	3829.4307	7316.667	1941.778931
## 8087 0.141588	3800.5693	7401.504	1618.651733
## 8088 0.124375	3715.2791	7130.833	1431.107300
## 8089 0.114739	3733.9185	7198.509	1309.525269
## 8090 0.108792	3831.0847	7529.876	1406.092773

## 8091 0.069943	2947.4990	7617.748	662.446960
## 8092 0.037348	3525.4165	7164.636	1089.250244
## 8093 0.042583	3707.8403	7510.000	1279.282593
## 8094 0.047091	3387.8513	6831.897	1109.510010
## 8095 0.050406	3779.1440	7611.750	1073.562378
## 8096 0.071250	3326.3948	6635.001	824.749573
## 8097 0.067292	3407.6160	6845.834	817.230042
## 8098 0.055664	3445.8572	6916.406	1001.594727
## 8099 0.060449	3457.3853	6900.781	1075.827881
## 8100 0.071759	3361.9773	6714.815	1016.835754
## 8101 0.076689	3519.5286	7025.676	970.594360
## 8102 0.088889	3616.1050	7259.521	541.225037
## 8103 0.154814	3560.4058	6695.271	371.711578
## 8104 0.185881	3789.3091	7154.821	765.433777
## 8105 0.148930	3716.9905	7126.371	647.415894
## 8106 0.114931	3638.7271	6960.554	1145.134888
## 8107 0.138770	3484.2471	6632.814	727.920288
## 8108 0.088578	3428.7957	6733.622	1362.067017
## 8109 0.087612	3413.9661	6678.573	524.639343
## 8110 0.130357	3532.6648	6722.858	347.986694
## 8111 0.079974	3743.8596	7377.465	1265.579224
## 8112 0.063875	3349.3906	6547.001	953.430115
## 8113 0.054000	2737.4570	6547.001	420.461945
## 8114 0.089145	3058.7976	6961.186	596.987671
## 8115 0.095424	3409.4055	6645.537	790.455994
## 8116 0.079125	3326.6362	6546.001	749.513916
## 8117 0.087750	3327.9683	6497.999	753.150757
## 8118 0.118561	3745.7488	7242.046	564.703796
## 8119 0.130777	3484.5251	6758.335	492.500641
## 8120 0.076125	3303.5627	6540.001	505.310242
## 8121 0.097834	3793.0249	7398.301	1006.311829
## 8122 0.101296	3586.1765	6989.635	1042.680176
## 8123 0.046875	2205.4753	6540.999	487.680450
## 8124 0.105125	3354.3389	6515.000	909.337402
## 8125 0.094125	3359.9077	6522.000	739.671631
## 8126 0.097213	3554.4602	6932.435	417.236908
## 8127 0.104479	3440.4333	6693.334	714.302429
## 8128 0.125155	3832.0232	7400.989	541.634521
## 8129 0.104523	3531.0781	6967.106	252.066010
## 8130 0.090049	3543.1746	6974.343	276.655792
## 8131 0.107520	3489.2280	6814.845	910.021667
## 8132 0.084559	3505.5923	6902.209	973.665100
## 8133 0.077000	3336.3943	6611.000	994.573364
## 8134 0.085125	3317.7004	6518.000	321.390228
## 8135 0.067750	3303.4277	6605.000	610.438477
## 8136 0.080375	3327.6248	6573.001	727.292358
## 8137 0.099632	3503.3767	6869.852	1296.008789
## 8138 0.098438	3435.6660	6732.500	612.815247
## 8139 0.075879	3456.0715	6852.345	573.349792
## 8140 0.086750	3348.1587	6557.000	1336.024658
## 8141 0.105948	3479.7615	6708.871	497.898041
## 8142 0.085750	3348.9458	6536.000	471.163666
## 8143 0.093262	3482.4197	6797.658	1018.978149
## 8144 0.105854	3136.6670	7304.750	614.730103

## 8145 0.084743	3509.4910	6836.030	900.695740
## 8146 0.103125	3515.7615	6833.573	443.723694
## 8147 0.100076	3598.7029	6951.221	4297.226562
## 8148 0.063341	3354.8579	6602.887	1658.381958
## 8149 0.112750	3341.3755	6466.999	689.262390
## 8150 0.110895	3567.7507	6889.189	568.729248
## 8151 0.117137	3831.1575	7487.901	528.763062
## 8152 0.126389	3881.1038	7572.222	576.772217
## 8153 0.110000	3303.3396	6457.000	619.008850
## 8154 0.107948	3545.6868	6995.108	772.119507
## 8155 0.115086	3359.8689	6625.002	152.470261
## 8156 0.138610	3819.3347	7417.750	258.536163
## 8157 0.116028	3329.9719	6688.711	149.807861
## 8158 0.112416	3454.5129	6835.812	55.952427
## 8159 0.111989	3487.3447	7144.092	24.068920
## 8160 0.154276	3534.9827	6749.344	194.200851
## 8161 0.136250	3334.6306	6365.001	368.440338
## 8162 0.095277	3833.8611	7546.756	1240.628052
## 8163 0.093359	3448.7690	6780.469	318.979065
## 8164 0.115639	3881.5234	7583.408	280.249573
## 8165 0.072167	3805.7444	7555.841	1228.745239
## 8166 0.077528	3719.4358	7364.706	1304.334839
## 8167 0.048077	3339.9502	6661.539	1662.238281
## 8168 0.112244	3807.4158	7484.424	1190.172974
## 8169 0.158750	3283.0530	6344.000	52.779781
## 8170 0.140777	3553.0999	6901.220	1108.644409
## 8171 0.105375	3304.4834	6475.001	973.742554
## 8172 0.101875	3262.1174	6515.001	228.544189
## 8173 0.082292	3500.3210	6887.501	751.715515
## 8174 0.073125	3207.8491	6546.000	597.546631
## 8175 0.130150	3595.4138	7062.501	252.671143
## 8176 0.165820	3293.2505	6538.283	53.963955
## 8177 0.130754	3558.2036	7121.033	624.393494
## 8178 0.110433	3694.4619	7209.614	896.103516
## 8179 0.124500	3331.1802	6398.002	508.977142
## 8180 0.092750	3340.2112	6497.000	1219.949463
## 8181 0.109615	3380.2898	6485.578	1329.521606
## 8182 0.103343	3090.3186	6993.024	1063.552246
## 8183 0.146875	3748.0552	7299.472	777.418884
## 8184 0.133445	3757.3467	7305.357	700.574951
## 8185 0.115625	3509.2703	6972.674	487.329407
## 8186 0.164160	3518.3977	7117.579	378.616211
## 8187 0.036719	3253.7227	6928.907	7.819744
## 8188 0.034159	3179.0234	6834.483	7.652347
## 8189 0.037625	3067.9741	6658.000	7.444648
## 8190 0.154063	3553.5771	6858.126	306.052063
## 8191 0.097500	3347.3716	6562.001	281.642548
## 8192 0.082324	3466.4944	6855.471	354.077087
## 8193 0.097236	3373.0952	6604.808	335.309296
## 8194 0.129687	3701.1738	7219.643	394.445068
## 8195 0.141563	3462.1252	6698.334	581.184448
## 8196 0.108367	3477.5930	6727.419	562.883057
## 8197 0.126474	3688.1887	7186.321	846.290955
## 8198 0.101125	3349.6960	6550.001	975.189941

## 8199 0.099677	3447.0039	6712.932	709.896240
## 8200 0.096755	3368.1890	6624.040	867.366516
## 8201 0.097670	3690.7932	7224.092	991.471252
## 8202 0.071625	3334.7112	6616.001	1205.000000
## 8203 0.074554	3797.9346	7584.760	1910.375122
## 8204 0.053375	3297.0356	6642.001	1025.154785
## 8205 0.054207	3319.4446	6654.808	801.831055
## 8206 0.126500	3363.5935	6469.001	1401.426636
## 8207 0.101512	3443.1907	6775.002	2242.819580
## 8208 0.034159	3349.2698	6839.657	282.654480
## 8209 0.083100	3729.5964	7472.695	825.869446
## 8210 0.065694	3759.5571	7517.585	812.489868
## 8211 0.084802	3871.8589	7655.329	1040.836670
## 8212 0.103564	3700.5769	7234.649	1206.094360
## 8213 0.109152	3408.8625	6656.250	1102.413818
## 8214 0.110436	3839.2046	7493.397	1115.089844
## 8215 0.114795	3880.4036	7535.491	1934.575684
## 8216 0.136803	3885.8794	7500.640	1239.748291
## 8217 0.103625	3329.5916	6505.001	796.042603
## 8218 0.117130	3413.9827	6498.149	2688.837646
## 8219 0.143750	3507.3865	6684.851	814.838013
## 8220 0.174250	3371.5991	6259.000	1151.508301
## 8221 0.155875	3371.2095	6315.000	1264.857422
## 8222 0.162875	3359.0708	6350.000	719.272278
## 8223 0.177792	3869.7188	7317.825	1100.320557
## 8224 0.209896	3772.8315	7024.621	1059.882812
## 8225 0.150685	3850.1199	7387.720	1110.403564
## 8226 0.087375	3367.4177	6465.001	1776.770142
## 8227 0.097250	3346.1914	6488.001	838.761230
## 8228 0.083625	3344.6851	6524.000	1619.649780
## 8229 0.126250	3357.1250	6409.000	957.733765
## 8230 0.082125	3337.3650	6513.000	1476.700928
## 8231 0.088616	3427.5017	6640.178	2294.837646
## 8232 0.107750	3350.7439	6458.999	1285.135498
## 8233 0.104875	3321.3035	6500.001	612.681335
## 8234 0.118537	3861.6194	7574.833	616.395996
## 8235 0.118437	3476.4524	7119.166	1754.843140
## 8236 0.138000	3373.6497	6288.000	1052.333374
## 8237 0.159404	3975.5725	7439.692	2127.107178
## 8238 0.171991	3971.1123	7398.576	1670.179932
## 8239 0.153299	3910.6899	7409.601	1500.244629
## 8240 0.140203	3872.2075	7411.198	1229.878174
## 8241 0.140979	3800.8865	7569.223	1479.101929
## 8242 0.143236	3658.6255	7125.344	1054.479858
## 8243 0.143032	3767.5874	7477.032	957.764771
## 8244 0.082375	2699.7832	6583.001	0.258321
## 8245 0.117735	3862.4016	7529.438	1508.437622
## 8246 0.115921	3811.3555	7540.049	1014.695679
## 8247 0.130242	3956.5591	7597.192	1261.969238
## 8248 0.133907	3928.2185	7532.754	1493.404663
## 8249 0.120930	3932.7517	7645.879	1555.604126
## 8250 0.123007	3945.3162	7562.134	1742.108276
## 8251 0.123125	3348.5039	6389.001	1382.004761
## 8252 0.134014	3894.3049	7479.928	1443.109985

## 8253 0.179993	3879.1934	7414.555	1339.221069
## 8254 0.149279	3555.7432	6766.026	1087.934937
## 8255 0.187035	3592.5518	6830.320	1040.000977
## 8256 0.172551	3795.1951	7289.738	1575.471436
## 8257 0.187758	3883.6545	7371.329	1424.506592
## 8258 0.176498	3933.4500	7461.042	1460.931641
## 8259 0.122706	3892.6750	7482.317	1642.007446
## 8260 0.128176	3880.8501	7465.083	1567.575562
## 8261 0.105500	3335.4705	6415.000	1173.232544
## 8262 0.124125	3361.3250	6329.001	1044.846191
## 8263 0.121804	3893.3418	7469.032	1672.625366
## 8264 0.111125	3361.2173	6374.000	1147.939209
## 8265 0.111751	3917.2563	7639.472	1068.614014
## 8266 0.078750	3287.0884	6547.001	425.463776
## 8267 0.097449	3663.6475	7126.533	1369.904297
## 8268 0.169876	3850.6492	7360.812	1608.610107
## 8269 0.122917	3690.4988	7160.650	1241.442017
## 8270 0.046354	3394.8528	7013.890	544.095642
## 8271 0.042780	3352.3347	6827.588	357.011627
## 8272 0.073633	3436.9065	6924.220	549.822021
## 8273 0.078125	3401.8562	6790.520	672.728516
## 8274 0.084625	3307.4414	6562.001	105.737740
## 8275 0.041719	3488.6814	7132.501	688.439880
## 8276 0.082125	3318.3474	6544.999	326.593414
## 8277 0.053906	3447.4407	6907.814	345.664551
## 8278 0.064904	3347.4062	6656.731	477.485077
## 8279 0.082199	3666.5247	7260.714	676.837341
## 8280 0.076968	3370.1528	6676.853	981.316040
## 8281 0.086029	3506.3916	6886.031	574.592896
## 8282 0.089033	3672.5034	7209.435	915.848755
## 8283 0.105125	3353.3323	6502.000	878.950989
## 8284 0.113793	3441.2219	6675.862	719.312256
## 8285 0.099653	3390.3418	6624.075	708.653870
## 8286 0.088250	3336.4172	6556.001	1085.599609
## 8287 0.099219	3425.6587	6659.821	445.682800
## 8288 0.078375	3353.7129	6581.000	577.356506
## 8289 0.105893	3841.8108	7465.473	1798.114380
## 8290 0.113125	3347.8252	6476.000	957.257874
## 8291 0.135143	3672.1042	7199.179	305.913300
## 8292 0.091568	3650.2261	7224.528	333.356995
## 8293 0.096458	3417.1377	6756.669	216.542496
## 8294 0.102051	3470.6389	6808.594	349.345551
## 8295 0.092375	3331.7029	6572.002	1035.212769
## 8296 0.106250	3330.2412	6520.001	284.682831
## 8297 0.103906	3554.6016	7001.876	616.308899
## 8298 0.084084	3584.8079	7116.280	373.354523
## 8299 0.129665	3743.7905	7276.759	512.988281
## 8300 0.217593	3385.7681	6309.259	90.086288
## 8301 0.141125	3342.1482	6429.000	130.546936
## 8302 0.104412	3482.0969	6875.000	232.731247
## 8303 0.097973	3533.5645	6978.378	368.829895
## 8304 0.083446	3158.3696	6970.947	184.119049
## 8305 0.069727	2230.5247	6836.720	333.229187
## 8306 0.107102	3502.5491	6784.850	683.769775

## 8307 0.086538	3369.1899	6572.116	738.662292
## 8308 0.108882	3547.1343	6907.896	697.650696
## 8309 0.114617	3729.7134	7222.581	568.465393
## 8310 0.127449	3520.5891	6875.675	320.005920
## 8311 0.097101	3777.8289	7381.629	949.133972
## 8312 0.109739	3883.6140	7614.962	389.924286
## 8313 0.115625	3604.7175	7016.667	154.651505
## 8314 0.097969	3467.0264	6949.375	366.122375
## 8315 0.027621	3310.3149	6905.646	1338.035034
## 8316 0.077375	3212.0481	6541.001	635.647156
## 8317 0.060995	3141.3042	6718.521	752.864441
## 8318 0.058065	3390.0896	6862.904	796.403259
## 8319 0.093169	3546.8926	7082.560	948.381836
## 8320 0.087879	3475.0491	6843.183	836.314392
## 8321 0.068870	3324.0876	6640.384	752.193359
## 8322 0.094286	3464.2634	6860.714	1858.053467
## 8323 0.139047	3846.1963	7335.354	1986.556396
## 8324 0.147978	3693.1501	7033.334	1408.156494
## 8325 0.155055	3510.5222	6758.824	174.881149
## 8326 0.136337	3622.2698	6967.442	1052.901978
## 8327 0.102511	3701.8208	7178.572	1171.819336
## 8328 0.094922	3473.4114	6810.158	627.633484
## 8329 0.080363	3784.6624	7409.878	1096.699463
## 8330 0.090272	3733.7971	7286.291	1022.900146
## 8331 0.182143	3419.5232	6755.357	296.454529
## 8332 0.271625	3063.2439	6026.001	0.893318
## 8333 0.156750	2915.0798	6376.000	16.052380
## 8334 0.194397	3409.4153	6362.069	291.650452
## 8335 0.211746	3270.0725	6362.931	124.985168
## 8336 0.110500	3335.4238	6417.001	210.778687
## 8337 0.209544	3480.7639	6591.891	260.721100
## 8338 0.227500	3290.9592	6159.000	150.092377
## 8339 0.168681	3562.2258	6842.780	269.709686
## 8340 0.117253	3601.8923	7249.297	366.905212
## 8341 0.062064	3536.1465	7164.535	761.449219
## 8342 0.103166	3739.3928	7334.866	976.126343
## 8343 0.114844	3520.1353	6862.500	987.735962
## 8344 0.100500	3283.9226	6494.001	432.736450
## 8345 0.106845	3763.5857	7397.025	631.924866
## 8346 0.097569	3661.7715	7193.518	704.785278
## 8347 0.058000	3270.9580	6612.000	195.735733
## 8348 0.083750	3330.9861	6552.000	610.436340
## 8349 0.089000	3265.7195	6598.000	183.433838
## 8350 0.061337	3506.3308	7150.581	198.114853
## 8351 0.072750	3254.9319	6561.001	137.714737
## 8352 0.080398	3530.1804	7076.705	151.036255
## 8353 0.072875	3258.4248	6532.001	351.343323
## 8354 0.103369	3704.8694	7230.468	629.900940
## 8355 0.090625	3404.2517	6612.503	494.160553
## 8356 0.082986	3645.5627	7178.706	565.236145
## 8357 0.069761	3458.0015	6880.883	815.444214
## 8358 0.086702	3732.3545	7440.428	645.524414
## 8359 0.090201	3605.3848	7245.339	709.977051
## 8360 0.071500	3306.3562	6561.002	505.165039

## 8361 0.080750	3280.8503	6558.000	645.137268
## 8362 0.042375	3256.0811	6624.000	551.055908
## 8363 0.072978	3428.1113	6896.324	93.556213
## 8364 0.017875	3126.7976	6676.000	9.275747
## 8365 0.075528	3717.1729	7395.780	531.494690
## 8366 0.072174	3779.7957	7499.733	1135.628540
## 8367 0.080485	3641.5139	7176.021	1419.658203
## 8368 0.086274	3768.9067	7412.344	1630.031494
## 8369 0.097606	3745.5916	7526.411	1109.623291
## 8370 0.072125	3146.5408	6556.001	1345.543091
## 8371 0.093934	3431.0967	6827.208	535.135376
## 8372 0.103760	3753.9155	7609.331	866.641785
## 8373 0.086618	3783.3569	7418.824	1044.847412
## 8374 0.110417	3858.6514	7521.703	668.882080
## 8375 0.090079	3858.1968	7592.826	758.621582
## 8376 0.082192	3707.6511	7314.287	851.575012
## 8377 0.080871	3483.3818	6865.912	635.543884
## 8378 0.072500	3331.4751	6567.001	534.720093
## 8379 0.074136	3632.5413	7153.193	926.730652
## 8380 0.074908	3500.3442	6893.384	1029.662964
## 8381 0.070363	3446.3601	6829.033	527.788879
## 8382 0.077557	3455.7451	6900.001	2086.065186
## 8383 0.111375	3294.7576	6517.001	1083.567017
## 8384 0.105033	3759.4353	7490.527	1309.379883
## 8385 0.102267	3612.2190	7196.079	1259.884155
## 8386 0.088004	3410.4531	6820.967	1466.080322
## 8387 0.105107	3553.9282	7056.708	999.714355
## 8388 0.097949	3370.3164	7331.640	70.436821
## 8389 0.082824	3775.4822	7582.667	705.820984
## 8390 0.086932	3601.7727	7078.408	625.231079
## 8391 0.075556	3588.0134	7116.111	409.436066
## 8392 0.096140	3503.1963	6841.178	633.631775
## 8393 0.081503	3539.2610	6962.162	1352.878418
## 8394 0.086690	3755.6401	7434.259	605.415466
## 8395 0.111882	3880.6277	7563.811	1004.744934
## 8396 0.106073	3675.4421	7170.283	994.947021
## 8397 0.108622	3868.7158	7634.535	543.343323
## 8398 0.102263	3698.7358	7196.125	315.792969
## 8399 0.089780	3521.1160	6926.353	372.058075
## 8400 0.108817	3404.4294	6597.323	274.067017
## 8401 0.113750	3289.6619	6443.001	100.661972
## 8402 0.111149	3301.6790	6901.353	259.561432
## 8403 0.145265	3492.1450	6787.879	119.946564
## 8404 0.150302	3477.7825	6684.679	281.848267
## 8405 0.080540	3609.0691	7134.091	835.335938
## 8406 0.092867	3627.4343	7132.065	718.841248
## 8407 0.085764	3378.9575	6676.853	1302.896851
## 8408 0.096394	3374.9148	6582.691	767.141724
## 8409 0.079839	3464.8630	6807.258	1632.944214
## 8410 0.070500	3327.2578	6595.000	1564.513794
## 8411 0.102750	3344.2258	6523.000	1049.333008
## 8412 0.087413	3536.0198	6956.251	800.990540
## 8413 0.078000	3317.8027	6579.999	1320.063232
## 8414 0.099219	3413.0964	6675.001	832.639221

## 8415 0.079576	3407.8950	6710.714	1370.395630
## 8416 0.111742	3499.0847	6787.123	698.605225
## 8417 0.092348	3826.2605	7530.139	1379.657593
## 8418 0.113516	3855.2776	7509.554	1502.304321
## 8419 0.103780	3769.3665	7501.614	919.679565
## 8420 0.098080	3504.8789	7438.557	385.788025
## 8421 0.091226	3184.4011	6575.000	338.916077
## 8422 0.090044	3566.8733	7070.930	789.824219
## 8423 0.070404	3398.0493	7257.354	353.625427
## 8424 0.190203	3578.0503	6687.839	334.188690
## 8425 0.276500	3309.9517	6056.000	10.355119
## 8426 0.199665	3245.9695	6338.394	3.337100
## 8427 0.164815	3270.9941	6395.371	8.586236
## 8428 0.116557	3721.4727	7178.947	525.116333
## 8429 0.142000	3363.1755	6446.001	629.316284
## 8430 0.143842	3534.8630	6770.590	812.287048
## 8431 0.172011	3777.4233	7177.172	893.107910
## 8432 0.169555	3843.7524	7316.752	816.526489
## 8433 0.140250	3371.7058	6432.999	901.878906
## 8434 0.157174	3783.1133	7226.055	937.983032
## 8435 0.146136	3713.5273	7120.911	790.566833
## 8436 0.119643	3426.3699	6611.608	654.175842
## 8437 0.183250	3344.1785	6317.999	52.767357
## 8438 0.223304	3467.7046	6562.145	13.013170
## 8439 0.135500	2763.8091	6314.000	2.495819
## 8440 0.125391	3511.0737	6930.625	40.823982
## 8441 0.156585	3437.4536	6439.287	450.766052
## 8442 0.165993	3545.0176	6641.913	591.813354
## 8443 0.148125	3657.4915	6918.334	1546.146240
## 8444 0.151491	3655.9524	6952.272	1127.925781
## 8445 0.151733	3864.3645	7338.184	1192.926392
## 8446 0.125764	3910.8835	7565.780	320.012817
## 8447 0.068142	3481.0854	6976.389	39.092560
## 8448 0.084223	3572.5605	7063.415	1075.506592
## 8449 0.108125	3287.8467	6513.000	103.766510
## 8450 0.087250	3324.4841	6534.001	478.751465
## 8451 0.078418	3387.2388	6844.532	16.058863
## 8452 0.239405	3787.0623	7081.905	140.696335
## 8453 0.172545	3420.7534	6825.000	1778.779175
## 8454 0.102050	3850.6174	7507.197	2201.363525
## 8455 0.111765	3528.2117	6721.323	2749.693604
## 8456 0.106550	3766.6755	7385.575	1826.339844
## 8457 0.108938	3753.8420	7341.665	1870.121216
## 8458 0.105060	3603.2346	6952.977	1752.975342
## 8459 0.110197	3579.6479	6832.896	1904.693481
## 8460 0.146071	3373.0862	6708.572	882.053162
## 8461 0.099750	3334.9404	6422.000	2510.919189
## 8462 0.070250	3287.2258	6516.001	1138.560913
## 8463 0.116000	3346.0437	6394.999	1592.907104
## 8464 0.101897	3657.5317	7363.989	1628.760742
## 8465 0.101133	3774.2771	7601.940	1997.788086
## 8466 0.110096	3696.8687	7299.450	2439.518066
## 8467 0.100298	3594.3057	7446.031	2082.157715
## 8468 0.122125	3278.0039	6409.000	1255.866333

## 8469 0.101642	3526.0308	7136.017	1780.320068
## 8470 0.104179	3768.8066	7657.945	2140.135498
## 8471 0.111537	3734.9763	7521.329	2146.261719
## 8472 0.110221	3675.1455	7538.230	2221.387939
## 8473 0.082500	3260.9946	6486.002	1366.338867
## 8474 0.098625	3315.6616	6421.001	2929.021240
## 8475 0.108557	3738.2444	7427.384	2104.286377
## 8476 0.110273	3854.6714	7640.455	1498.517090
## 8477 0.110683	3970.2021	7706.094	1597.638306
## 8478 0.095474	3437.1079	6654.312	1609.278320
## 8479 0.109594	3918.0427	7643.647	1226.986694
## 8480 0.117121	3953.7703	7637.533	1839.684570
## 8481 0.101774	3544.2739	6845.947	1738.030396
## 8482 0.090000	3356.1975	6438.000	2042.141113
## 8483 0.120522	3926.1658	7582.402	1707.139282
## 8484 0.121694	3912.7466	7495.049	1844.059448
## 8485 0.115854	3591.0205	6867.683	1881.336914
## 8486 0.135997	3933.1443	7558.350	1385.135254
## 8487 0.138640	3796.7725	7282.649	545.572449
## 8488 0.166195	3983.7666	7545.307	1174.170288
## 8489 0.213782	3987.2209	7416.146	1035.322876
## 8490 0.214660	3942.8140	7362.163	1376.379883
## 8491 0.139967	3765.3772	7209.210	768.648987
## 8492 0.149171	3664.0308	6952.553	618.790771
## 8493 0.172297	3855.2185	7312.386	829.734924
## 8494 0.128497	3486.0598	7306.847	709.691650
## 8495 0.102691	3553.0784	6889.583	2121.615479
## 8496 0.120582	3441.8774	6643.965	1608.488037
## 8497 0.163574	3499.2085	6648.438	1704.445923
## 8498 0.157866	3442.2478	6536.208	1463.779297
## 8499 0.162500	3346.4375	6381.001	1243.557373
## 8500 0.109609	3574.3308	6983.125	1297.451538
## 8501 0.050000	3258.6860	6621.001	1028.846924
## 8502 0.050684	3366.4971	6891.406	398.082733
## 8503 0.031611	3189.3745	6712.500	288.444366
## 8504 0.072433	3645.2004	7335.713	739.433289
## 8505 0.075116	3357.6311	6721.297	496.418274
## 8506 0.064062	3477.2615	6933.824	530.322754
## 8507 0.066097	3611.9434	7259.436	665.090149
## 8508 0.051875	3301.0916	6628.000	329.099854
## 8509 0.061746	3416.4685	6795.691	757.966003
## 8510 0.051616	3401.8743	6796.553	573.521057
## 8511 0.087380	3650.0215	7206.732	1120.895508
## 8512 0.078750	3334.3069	6566.001	869.634033
## 8513 0.093649	3466.7737	6758.872	822.572754
## 8514 0.104795	3757.0498	7359.932	1019.800781
## 8515 0.108250	3349.2810	6514.001	768.522644
## 8516 0.110156	3416.0977	6641.967	760.230286
## 8517 0.103516	3878.8459	7569.097	1257.512939
## 8518 0.126649	3771.5325	7281.597	1416.462036
## 8519 0.083760	3862.2878	7702.109	952.329224
## 8520 0.100825	3610.4536	7187.737	472.731689
## 8521 0.112283	3738.1418	7308.682	159.706543
## 8522 0.103500	3651.6106	7107.499	253.395035

## 8523 0.086993	3519.0530	6934.461	292.279449
## 8524 0.127630	3743.6528	7289.938	453.662903
## 8525 0.147813	3606.0537	6825.626	1097.439697
## 8526 0.139982	3493.1855	6700.001	672.703552
## 8527 0.146069	3863.4102	7400.201	1372.320557
## 8528 0.109625	3352.5225	6456.001	1274.534546
## 8529 0.107851	3611.8865	6956.098	1250.453735
## 8530 0.109875	3364.1492	6442.000	803.745544
## 8531 0.112000	3326.4949	6492.000	791.067139
## 8532 0.114410	3528.0664	6862.502	726.185669
## 8533 0.092875	3363.2112	6497.999	1457.038330
## 8534 0.128241	3694.5852	7124.536	779.758301
## 8535 0.142285	3504.1079	6699.220	1586.488037
## 8536 0.087401	3509.2307	7311.508	176.413589
## 8537 0.069567	3525.9138	7346.537	26.001638
## 8538 0.151000	3340.1968	6456.000	444.953461
## 8539 0.076875	3329.6272	6587.000	216.282791
## 8540 0.092308	3359.6326	6615.384	341.220917
## 8541 0.096294	3615.9067	7079.653	244.752304
## 8542 0.142204	3820.0859	7422.368	426.744934
## 8543 0.124888	3797.5652	7401.192	695.556396
## 8544 0.104142	3619.2249	7076.163	639.449463
## 8545 0.100857	3721.9067	7296.373	729.159607
## 8546 0.074033	3578.0317	7125.000	1029.484741
## 8547 0.067750	3341.5107	6600.001	1621.566895
## 8548 0.064500	3328.5989	6624.000	1755.133423
## 8549 0.065194	3403.3479	6825.001	1223.608521
## 8550 0.066487	3398.4370	6806.896	977.710754
## 8551 0.037500	3296.8806	6648.000	1241.840576
## 8552 0.128378	3569.9097	6877.027	1211.758057
## 8553 0.094250	3325.9839	6536.999	1899.201050
## 8554 0.287986	3314.9363	6543.890	0.926765
## 8555 0.191461	3491.7773	7070.071	152.334534
## 8556 0.182849	3549.8694	6781.397	205.768082
## 8557 0.247903	3706.9143	6956.250	176.814209
## 8558 0.119618	3455.3123	6796.527	168.408676
## 8559 0.097500	3740.9456	7494.089	598.591980
## 8560 0.104398	3656.0686	7152.314	1009.543274
## 8561 0.107557	3671.4761	7183.182	933.789307
## 8562 0.100152	3551.0178	7013.415	683.419800
## 8563 0.086921	3337.7888	6633.334	404.308960
## 8564 0.109907	3625.0579	7086.170	716.577026
## 8565 0.095375	3321.9756	6504.002	947.661316
## 8566 0.075080	3536.1748	6998.718	397.625702
## 8567 0.088445	3584.7319	7085.464	509.043701
## 8568 0.081964	3458.1533	6969.286	280.325745
## 8569 0.044591	3325.4102	6687.500	645.478271
## 8570 0.057292	3431.3984	6788.333	1098.382690
## 8571 0.069000	3355.4104	6544.000	1200.717407
## 8572 0.051724	3414.7488	6783.622	679.322510
## 8573 0.052138	3540.2966	7054.605	591.515869
## 8574 0.050250	3345.6917	6633.001	476.279175
## 8575 0.038375	3321.3333	6645.002	600.223816
## 8576 0.051307	3797.0090	7565.560	954.561584

## 8577 0.092810	3836.6667	7543.145	794.118469
## 8578 0.080886	3803.4004	7549.513	631.289307
## 8579 0.108333	3571.3005	6975.641	668.004517
## 8580 0.103125	3332.9055	6567.001	732.587280
## 8581 0.118440	3789.0432	7582.444	944.178772
## 8582 0.082324	3468.3179	6844.532	396.964111
## 8583 0.134025	3824.8618	7542.042	660.558105
## 8584 0.116005	3713.6487	7401.635	423.603638
## 8585 0.147978	3465.6169	7101.468	128.795135
## 8586 0.112000	3352.1257	6448.000	860.245178
## 8587 0.118725	3818.9336	7430.492	879.163818
## 8588 0.130544	3554.9695	7408.469	765.559509
## 8589 0.139708	3809.6738	7311.414	654.601013
## 8590 0.091477	3391.6377	6803.789	908.189514
## 8591 0.145177	3722.1411	7459.567	441.522247
## 8592 0.106500	3351.5562	6447.001	831.377319
## 8593 0.119717	3586.1611	6958.931	595.605347
## 8594 0.074625	3346.6187	6545.001	1326.626953
## 8595 0.090132	3497.3755	6948.685	334.478302
## 8596 0.093750	3318.6287	6488.001	328.358368
## 8597 0.119945	3508.1970	6741.178	1092.611572
## 8598 0.109196	3527.3179	6801.429	840.592407
## 8599 0.083819	3608.0640	7105.557	521.669128
## 8600 0.084489	3683.2659	7219.091	1669.711426
## 8601 0.130030	3606.0247	6917.072	1349.924805
## 8602 0.117304	3757.8491	7234.702	2243.527832
## 8603 0.103343	3631.5989	7032.557	1565.562622
## 8604 0.119734	3838.1213	7442.362	1574.874756
## 8605 0.127649	3879.4468	7545.732	1316.801758
## 8606 0.171203	3838.5271	7335.748	1557.406128
## 8607 0.051683	3475.3533	7074.359	974.862549
## 8608 0.086134	3610.7549	7537.780	1107.956177
## 8609 0.076231	3502.7637	6795.456	1160.792969
## 8610 0.100542	3787.1035	7378.315	878.386536
## 8611 0.084615	3537.9290	6930.130	904.543274
## 8612 0.125204	3430.2603	6991.848	1244.698608
## 8613 0.090125	3363.9285	6456.000	2222.707031
## 8614 0.109648	3828.7617	7609.077	1737.257935
## 8615 0.181858	3774.4282	7016.317	1883.754028
## 8616 0.128215	3838.7573	7376.681	748.465759
## 8617 0.141146	3937.9814	7529.167	1014.439514
## 8618 0.145192	3909.1731	7434.467	1223.206177
## 8619 0.168532	3968.6860	7505.576	1397.437256
## 8620 0.212846	3987.6135	7421.371	975.029053
## 8621 0.197289	3784.8445	7012.499	1424.066040
## 8622 0.228846	3878.7217	7148.935	1165.050415
## 8623 0.219725	3929.7771	7293.006	1428.372803
## 8624 0.198258	3633.7998	6904.509	2122.983887
## 8625 0.159738	3946.8340	7500.841	1029.252075
## 8626 0.127284	3375.4836	6461.538	580.047119
## 8627 0.114750	3797.7458	7446.999	1291.543213
## 8628 0.099811	3868.0637	7526.511	2008.056152
## 8629 0.107773	3773.1121	7296.876	2009.177856
## 8630 0.100538	3801.6724	7362.097	1709.404053

## 8631 0.087426	3864.0818	7576.480	1806.291016
## 8632 0.042024	3628.5083	7475.748	243.408310
## 8633 0.050216	3373.4229	6818.104	838.113464
## 8634 0.101202	3744.6125	7202.307	2142.628174
## 8635 0.104667	3847.9873	7504.771	1532.213501
## 8636 0.118456	3839.1616	7463.594	1726.905640
## 8637 0.115965	3819.4744	7343.067	1588.811890
## 8638 0.100276	3653.0500	7272.427	685.402283
## 8639 0.114756	3900.1165	7636.533	1464.827393
## 8640 0.111875	3356.4509	6374.000	1649.051392
## 8641 0.097455	3682.4221	7286.429	1263.831909
## 8642 0.094896	3456.2227	6656.668	1373.534302
## 8643 0.119079	3477.2437	6857.239	918.096497
## 8644 0.111440	3770.7192	7418.302	1373.638428
## 8645 0.106368	3853.7085	7598.022	1380.167847
## 8646 0.110744	3774.9521	7342.978	1489.220215
## 8647 0.116611	3925.3906	7602.794	1677.349243
## 8648 0.093510	3863.5500	7555.324	1198.057373
## 8649 0.106682	3767.5916	7522.176	1453.432983
## 8650 0.132061	3942.0496	7588.040	1344.766724
## 8651 0.136311	3935.4624	7559.942	1438.844482
## 8652 0.141831	3890.5459	7393.273	1811.231934
## 8653 0.112298	3906.5820	7557.702	1831.460083
## 8654 0.105889	3385.3547	6442.308	2592.112305
## 8655 0.118023	3826.3806	7522.529	1001.816895
## 8656 0.109295	3556.7383	6914.745	1176.705688
## 8657 0.108508	3858.9883	7513.322	926.880005
## 8658 0.122997	3854.3242	7414.319	1186.554810
## 8659 0.119615	3938.5396	7580.455	1171.087891
## 8660 0.099337	3498.9468	6771.972	1371.623413
## 8661 0.103664	3710.9170	7177.155	1088.938477
## 8662 0.101157	3675.2249	7162.965	1050.599365
## 8663 0.120442	3876.6611	7506.525	1150.271118
## 8664 0.121895	3953.0166	7630.356	1282.183105
## 8665 0.105875	3339.8921	6455.000	680.250793
## 8666 0.110500	3337.3848	6449.000	1490.697510
## 8667 0.114375	3600.5061	6876.873	2020.478027
## 8668 0.096336	3442.3123	6597.415	1363.761353
## 8669 0.113405	3765.8931	7262.830	1700.428345
## 8670 0.116346	3769.3745	7329.951	1410.758179
## 8671 0.120509	3812.8545	7501.372	1500.324707
## 8672 0.116756	3717.7131	7191.812	2103.144287
## 8673 0.118403	3385.4094	6562.963	968.368713
## 8674 0.147854	3834.2649	7304.293	1652.402344
## 8675 0.179396	3896.8525	7344.663	1127.152954
## 8676 0.193606	3765.8645	7051.921	1063.245728
## 8677 0.180952	3624.2981	6810.715	944.630798
## 8678 0.183375	3369.0330	6320.999	977.072144
## 8679 0.129000	3358.5703	6456.999	999.978638
## 8680 0.121013	3421.5391	6606.035	964.920532
## 8681 0.107435	3441.8218	6612.068	1573.121094
## 8682 0.082625	3358.4209	6492.001	1717.367920
## 8683 0.095524	3551.1602	6906.758	1311.083252
## 8684 0.129125	3350.7556	6414.001	824.179443

## 8685 0.098542	3635.0234	7056.667	1626.114746
## 8686 0.117033	3757.5046	7279.226	1275.397461
## 8687 0.210247	3291.8225	6720.351	213.944138
## 8688 0.216324	3475.9172	7032.896	108.954659
## 8689 0.214844	3457.8008	6545.141	218.073746
## 8690 0.215085	3770.6489	7164.542	208.383957
## 8691 0.106192	3598.0703	7141.666	207.158554
## 8692 0.083102	3752.3630	7535.877	808.033997
## 8693 0.120424	3399.6694	6526.786	1121.690308
## 8694 0.109317	3804.3596	7464.018	821.722778
## 8695 0.102092	3825.3796	7526.381	773.492371
## 8696 0.087669	3524.4143	6974.326	522.507690
## 8697 0.082031	3474.6497	7007.640	331.065186
## 8698 0.133996	3494.7148	6715.152	857.021606
## 8699 0.146807	3660.6313	6909.239	848.883301
## 8700 0.080889	3378.3589	6514.424	670.838440
## 8701 0.154808	3705.8354	7106.536	414.322479
## 8702 0.096149	3713.3687	7605.453	642.189209
## 8703 0.081117	3620.6111	7078.722	1058.513184
## 8704 0.046512	3529.4800	7174.420	1114.989380
## 8705 0.066736	3555.4470	7137.223	1543.433716
## 8706 0.067857	3586.9688	7204.082	1053.608643
## 8707 0.082589	3363.3030	6676.787	867.830200
## 8708 0.093403	3527.3586	7124.446	520.301025
## 8709 0.081500	3291.6362	6566.001	189.995224
## 8710 0.088000	3336.0447	6541.001	660.820740
## 8711 0.093981	3830.1162	7619.599	588.361938
## 8712 0.151890	3716.6021	7273.837	771.140930
## 8713 0.135227	3874.0908	7470.107	898.493042
## 8714 0.104604	3799.3274	7521.944	619.793274
## 8715 0.082067	3734.1489	7322.692	1027.590088
## 8716 0.070469	3580.9177	7028.750	998.479065
## 8717 0.102891	3565.3284	6966.875	241.649170
## 8718 0.098000	3326.4062	6499.000	265.677582
## 8719 0.087750	3330.9509	6519.000	254.907761
## 8720 0.087583	3893.0786	7671.921	794.143860
## 8721 0.072545	3387.4243	6714.286	503.888397
## 8722 0.068625	3329.5068	6573.001	746.738892
## 8723 0.065750	3327.5378	6577.000	659.797974
## 8724 0.066518	3523.2356	6917.859	979.956543
## 8725 0.085427	3771.0752	7517.091	1017.429443
## 8726 0.101042	2867.1621	7154.902	50.827847
## 8727 0.093842	3505.0496	6844.119	216.542160
## 8728 0.110974	3587.1631	6998.257	213.343903
## 8729 0.106473	3683.7158	7168.753	249.795975
## 8730 0.084180	3438.3352	6822.658	334.936951
## 8731 0.120988	3757.2551	7298.767	750.015259
## 8732 0.123264	3706.1926	7103.241	2598.120361
## 8733 0.142555	3768.6877	7201.104	1343.197632
## 8734 0.144010	3563.0403	6772.222	1545.489990
## 8735 0.140445	3800.0083	7333.623	759.992981
## 8736 0.098849	3569.2568	6914.475	1195.769409
## 8737 0.094079	3564.6328	6966.446	608.196228
## 8738 0.078809	3492.8003	6797.657	1080.694214

## 8739 0.076282	3579.7461	7000.000	965.737915
## 8740 0.085085	3629.5649	7069.887	941.573181
## 8741 0.082292	3404.9275	6650.926	932.691284
## 8742 0.083875	3337.0447	6500.000	574.331848
## 8743 0.079412	3445.2676	6850.736	1044.019287
## 8744 0.086354	3354.4690	6753.335	817.660400
## 8745 0.093457	3429.7241	6795.314	818.905701
## 8746 0.062875	2766.0620	6647.002	0.858262
## 8747 0.118375	3221.4092	6497.000	527.659668
## 8748 0.065278	3053.6321	6689.815	106.110565
## 8749 0.100947	3470.1702	6784.849	764.489136
## 8750 0.075706	3351.4021	6844.356	99.373680
## 8751 0.078588	3008.6794	6683.333	315.450562
## 8752 0.130295	3526.7695	6818.750	407.877502
## 8753 0.120361	3707.6921	7221.875	531.661621
## 8754 0.158361	3550.9119	6769.594	408.150452
## 8755 0.117551	3783.0811	7361.919	490.849640
## 8756 0.103963	3805.9363	7492.887	791.273682
## 8757 0.106653	3553.0952	7490.724	634.319641
## 8758 0.102977	3894.8962	7600.241	872.363953
## 8759 0.101605	3539.9873	6882.433	1122.763794
## 8760 0.096019	3687.9175	7385.416	992.623230
## 8761 0.093352	3505.0837	7514.948	386.449677
## 8762 0.111033	3748.7278	7646.882	398.379028
## 8763 0.083507	3809.8281	7483.889	852.430908
## 8764 0.110875	3351.1382	6517.000	392.289948
## 8765 0.100000	3392.4592	6614.817	412.533264
## 8766 0.076136	3669.7686	7274.094	564.246704
## 8767 0.060216	3334.6394	6652.885	377.138306
## 8768 0.091761	3477.9634	6865.153	711.062927
## 8769 0.091153	3763.4177	7387.666	606.438110
## 8770 0.087891	3723.9119	7297.654	626.756287
## 8771 0.109277	3487.8335	6724.219	712.155701
## 8772 0.064332	3395.9004	6793.968	525.642822
## 8773 0.097000	3348.7917	6471.000	435.086182
## 8774 0.093750	3590.2000	6983.751	797.326294
## 8775 0.084125	3350.9912	6522.001	688.860474
## 8776 0.098633	3499.0818	6767.969	792.929749
## 8777 0.063702	3349.3884	6652.884	553.155823
## 8778 0.092076	3667.0027	7333.036	1787.833740
## 8779 0.072210	3401.9854	6767.859	1408.287109
## 8780 0.089110	3504.6638	6863.638	1432.721558
## 8781 0.112559	3684.1643	7181.133	952.924011
## 8782 0.138625	3356.6172	6416.000	568.791992
## 8783 0.102371	3441.5471	6666.380	409.055176
## 8784 0.093981	3381.3538	6642.593	272.699585
## 8785 0.028375	3263.2961	6667.000	311.935730
## 8786 0.048772	3337.7917	6791.964	685.452087
## 8787 0.082000	3318.5203	6611.001	895.833496
## 8788 0.073304	3758.5354	7568.571	643.902588
## 8789 0.052500	3318.2720	6621.000	570.921082
## 8790 0.048000	3325.7417	6630.001	834.620300
## 8791 0.096312	3891.5859	7654.625	1083.175049
## 8792 0.122299	3715.9854	7222.456	915.745117

## 8793 0.104000	3671.0317	7159.000	951.523010
## 8794 0.107538	3884.0120	7558.956	1862.012817
## 8795 0.128375	3355.2549	6451.000	483.862854
## 8796 0.127725	3840.5483	7486.438	701.462097
## 8797 0.122721	3793.7761	7307.062	1127.355591
## 8798 0.136495	3878.6243	7442.481	917.880676
## 8799 0.111230	3645.0120	7244.530	783.745544
## 8800 0.174246	3132.1736	6492.243	302.242950
## 8801 0.125868	3425.9041	6809.030	415.917786
## 8802 0.129519	3552.3135	7159.616	488.813721
## 8803 0.075391	3576.7488	7016.250	1313.072632
## 8804 0.091094	3575.8936	7000.626	910.631897
## 8805 0.066000	3340.4805	6555.000	1484.745361
## 8806 0.076750	3339.1807	6559.000	736.899414
## 8807 0.106806	3605.5591	7054.445	318.563232
## 8808 0.092780	3419.0212	6676.726	325.826294
## 8809 0.086549	3853.9558	7581.702	839.520081
## 8810 0.092238	3475.4224	6765.323	1043.837280
## 8811 0.077785	3626.5046	7125.543	1277.676758
## 8812 0.087250	3322.9790	6560.000	538.253418
## 8813 0.077431	3511.8691	6961.111	625.362549
## 8814 0.068625	3335.9187	6559.000	1459.197632
## 8815 0.061625	3326.6182	6580.001	1060.747925
## 8816 0.058912	3390.7903	6670.371	1093.551025
## 8817 0.081250	3549.4695	6956.083	1255.370605
## 8818 0.059125	3294.2153	6636.000	1703.764282
## 8819 0.086051	3688.8984	7677.417	1053.574463
## 8820 0.068085	3609.0374	7170.215	1080.686890
## 8821 0.070422	3597.6558	7090.699	1796.090576
## 8822 0.087361	3610.9062	7072.777	853.126709
## 8823 0.105357	3680.8174	7067.347	812.074890
## 8824 0.088281	3438.1272	6625.002	1386.359985
## 8825 0.090347	3642.5847	7076.112	793.612549
## 8826 0.080125	3347.5889	6548.000	476.626526
## 8827 0.085135	3522.1892	6941.893	1221.993408
## 8828 0.082895	3489.4805	6973.686	1097.267822
## 8829 0.070898	3392.5984	6867.969	358.627075
## 8830 0.086298	3563.8313	7004.487	676.659668
## 8831 0.070881	3543.4209	7160.795	397.308929
## 8832 0.108681	3399.9351	6565.742	1086.210938
## 8833 0.075125	3297.5349	6596.000	167.252167
## 8834 0.076563	3470.7422	6906.618	603.090332
## 8835 0.090417	3403.2068	6780.000	701.513855
## 8836 0.153613	3487.9321	6642.970	1202.754761
## 8837 0.130625	3205.9985	6412.001	103.337936
## 8838 0.112250	3337.1790	6447.000	1579.363281
## 8839 0.062708	3414.7461	6845.000	180.899002
## 8840 0.155273	3491.5247	6646.875	1022.004517
## 8841 0.142552	3739.8169	7138.334	1447.709717
## 8842 0.094490	3559.8828	6978.949	717.946106
## 8843 0.087097	3698.2351	7327.419	706.696289
## 8844 0.096181	3522.5535	6909.723	607.236511
## 8845 0.147173	3783.2539	7274.105	575.431519
## 8846 0.114170	3761.3601	7331.849	751.575439

## 8847 0.104722	3597.0723	7030.000	462.027283
## 8848 0.106738	3364.4070	6727.345	977.824768
## 8849 0.094397	3446.3977	6696.554	617.283936
## 8850 0.099442	3376.1326	6603.573	1060.671265
## 8851 0.084286	2421.9382	6829.287	441.978149
## 8852 0.106030	3760.2412	7321.835	1296.914795
## 8853 0.102250	3326.9097	6504.000	320.274323
## 8854 0.117000	3353.4922	6456.000	926.226685
## 8855 0.104112	3568.3403	6918.422	850.757690
## 8856 0.094643	3421.1116	6602.680	967.304932
## 8857 0.109750	3325.9490	6486.001	401.821686
## 8858 0.095875	3318.4648	6491.001	890.094116
## 8859 0.090625	3739.3701	7299.621	1549.221191
## 8860 0.090814	3489.5557	6791.668	1575.712891
## 8861 0.098250	3329.3945	6480.000	1268.594238
## 8862 0.095028	3540.3147	7421.024	1270.585449
## 8863 0.103045	3562.1331	6950.642	124.667892
## 8864 0.077250	3365.5483	6546.001	1826.108154
## 8865 0.134470	3517.5654	6712.881	375.113739
## 8866 0.134125	3365.4622	6418.000	385.346893
## 8867 0.101434	3884.6082	7632.241	1130.637817
## 8868 0.093389	3809.8818	7506.489	1201.203125
## 8869 0.106421	3870.8740	7562.669	1310.009277
## 8870 0.099107	3610.7585	7020.240	1232.494385
## 8871 0.131625	3159.5298	6440.000	624.628113
## 8872 0.116850	3814.7163	7647.763	1692.910767
## 8873 0.121294	3795.3831	7610.024	1285.084229
## 8874 0.141010	3831.0461	7596.824	1705.217773
## 8875 0.100500	3307.3135	6446.000	1055.238281
## 8876 0.143559	3864.2107	7451.658	1481.270752
## 8877 0.050104	2730.6582	6837.501	0.264966
## 8878 0.138345	3844.9819	7529.968	1564.267700
## 8879 0.142388	3811.9307	7394.643	1450.350708
## 8880 0.164541	3542.2585	6932.654	1026.763550
## 8881 0.173326	3868.9436	7381.045	1438.163818
## 8882 0.161442	3877.4592	7414.024	1656.730835
## 8883 0.153585	3459.3665	6665.442	861.914429
## 8884 0.148060	3797.1216	7214.942	1846.332520
## 8885 0.142500	3371.2832	6267.001	1518.324219
## 8886 0.120998	3886.8108	7569.078	1406.718018
## 8887 0.122478	3836.1970	7481.424	1198.971558
## 8888 0.150391	3814.7651	7211.080	1792.993042
## 8889 0.129332	3590.4131	6939.774	767.260498
## 8890 0.148193	3752.4961	7081.641	2035.977417
## 8891 0.128546	3650.0073	7048.076	1054.216675
## 8892 0.120684	3916.1365	7635.340	1360.757324
## 8893 0.137818	3866.2939	7465.113	1099.138428
## 8894 0.131311	3823.5383	7388.105	885.243286
## 8895 0.142285	3724.9507	7180.466	609.225403
## 8896 0.174496	3804.6792	7235.489	1116.067383
## 8897 0.147028	3795.2139	7194.818	1611.303467
## 8898 0.123646	3465.9961	6580.834	2051.985840
## 8899 0.137843	3736.6772	7200.001	862.960449
## 8900 0.131352	3811.5718	7368.207	849.343628

## 8901 0.135299	3778.1350	7247.184	852.945984
## 8902 0.146962	3909.6528	7473.723	1240.361084
## 8903 0.117000	3326.9729	6414.001	1012.022644
## 8904 0.115000	3364.1169	6429.001	1524.707886
## 8905 0.121659	3430.3787	6553.449	1181.583984
## 8906 0.144389	3629.3662	6832.387	1510.466431
## 8907 0.144758	3475.5884	6579.839	1220.200562
## 8908 0.104479	3368.2407	6739.168	50.780922
## 8909 0.137038	3812.8113	7280.113	1569.713013
## 8910 0.133903	3693.5205	7003.776	1381.299561
## 8911 0.135572	3635.2500	6929.786	1753.029053
## 8912 0.118094	3725.8577	7312.040	326.437164
## 8913 0.101019	3636.5171	7066.849	1380.639404
## 8914 0.090578	3730.5437	7309.330	1061.483765
## 8915 0.128860	3931.8564	7601.919	1515.067139
## 8916 0.121125	3908.9915	7590.335	1675.736206
## 8917 0.119109	3912.0994	7622.816	1361.074219
## 8918 0.111607	3694.6858	7176.190	1734.982178
## 8919 0.099004	3864.1147	7685.667	1422.626953
## 8920 0.121176	3926.4978	7608.418	1566.199707
## 8921 0.116497	3928.4314	7683.118	1402.252319
## 8922 0.132962	3853.4648	7408.904	1570.734741
## 8923 0.124926	3678.2429	7447.833	977.135193
## 8924 0.128210	3865.7883	7427.382	1641.265015
## 8925 0.150130	3732.0266	7303.647	1216.307373
## 8926 0.116250	3582.6494	6861.876	2101.282715
## 8927 0.138487	3666.2568	7081.140	1309.272705
## 8928 0.118990	3712.7083	7528.525	1081.365479
## 8929 0.111785	3879.7490	7619.176	1272.607178
## 8930 0.136948	3434.9756	6758.825	10.484667
## 8931 0.146326	3897.7058	7490.659	1315.654419
## 8932 0.061404	3577.3865	7292.545	1327.609619
## 8933 0.081370	3181.8232	6578.847	415.274536
## 8934 0.061725	3693.3540	7640.412	696.719604
## 8935 0.101431	3849.0366	7664.372	1028.865112
## 8936 0.088423	3610.4419	7468.571	963.664429
## 8937 0.114280	3812.5994	7521.361	1355.162720
## 8938 0.127546	3362.1160	6557.408	393.754120
## 8939 0.158794	3891.8052	7526.955	815.520874
## 8940 0.120762	3827.7854	7498.114	1502.148438
## 8941 0.126985	3807.1960	7501.348	1143.839478
## 8942 0.098011	3753.5728	7370.457	761.541565
## 8943 0.116295	3820.7488	7623.292	506.673645
## 8944 0.124625	3322.9612	6413.001	966.710815
## 8945 0.155409	3369.3704	6350.000	991.879517
## 8946 0.095625	3351.7268	6452.000	1509.558838
## 8947 0.103125	3657.0662	7104.592	1497.030273
## 8948 0.086991	3544.3860	7055.815	732.994080
## 8949 0.095000	3338.0066	6458.000	2742.646484
## 8950 0.073558	3251.8147	6636.540	113.050446
## 8951 0.084606	3359.4473	6625.000	1707.217041
## 8952 0.094125	3286.6040	6533.000	363.549591
## 8953 0.078726	3356.8220	6581.731	2154.235596
## 8954 0.090220	3737.5168	7506.943	697.733032

## 8955 0.078348	3254.5215	6706.252	3.416463
## 8956 0.096245	3800.4937	7502.312	1119.595093
## 8957 0.133515	3929.5215	7645.980	1452.452881
## 8958 0.154135	3951.5005	7489.824	1891.378540
## 8959 0.155509	3913.3708	7430.241	1844.835815
## 8960 0.148188	3935.7661	7540.715	1490.717285
## 8961 0.138542	3962.5818	7597.411	1529.565918
## 8962 0.139624	3957.3538	7570.338	1467.201538
## 8963 0.147068	3854.0603	7472.160	1429.887939
## 8964 0.082500	3214.7273	6512.001	1309.786499
## 8965 0.133697	3911.4927	7564.933	1392.526245
## 8966 0.076250	3173.9319	6590.000	751.150452
## 8967 0.122775	3899.6470	7561.550	1783.060547
## 8968 0.128534	3924.5371	7571.632	1798.273560
## 8969 0.133043	3961.6453	7602.794	1694.536377
## 8970 0.153656	3974.4478	7529.430	1578.127075
## 8971 0.149044	3977.2844	7554.103	1486.231812
## 8972 0.131775	3914.7351	7487.083	1192.109985
## 8973 0.116542	3915.3521	7617.140	1263.643921
## 8974 0.116485	3818.2351	7375.229	1647.621338
## 8975 0.120875	3339.6470	6336.000	1053.056152
## 8976 0.143380	3884.6655	7461.492	1211.681763
## 8977 0.121094	3705.9888	7173.829	1180.456543
## 8978 0.135318	3923.7300	7556.493	1351.730957
## 8979 0.116505	3832.3704	7563.592	675.364258
## 8980 0.134888	3956.9326	7616.281	1346.530029
## 8981 0.144493	3960.0713	7549.542	1455.285645
## 8982 0.168743	3960.0225	7440.791	1413.867554
## 8983 0.154429	3971.4873	7516.658	1490.877441
## 8984 0.122342	3871.3914	7555.270	1191.526733
## 8985 0.100476	3775.2039	7398.100	1214.886597
## 8986 0.089157	3709.5730	7397.591	1210.187256
## 8987 0.086412	3749.5112	7421.912	1331.896851
## 8988 0.080457	3646.7605	7314.179	1544.710693
## 8989 0.082986	3684.1328	7348.958	1083.265381
## 8990 0.164866	3898.0171	7537.626	744.880676
## 8991 0.153069	3920.4119	7554.122	1079.798950
## 8992 0.084704	3675.0486	7350.330	2280.458008
## 8993 0.095673	3640.8958	7159.615	1679.019287
## 8994 0.113021	3717.5471	7189.583	1153.559326
## 8995 0.112145	3808.3940	7363.357	1445.299683
## 8996 0.093816	3904.3472	7561.321	1894.584351
## 8997 0.179397	3870.2944	7447.397	983.020264
## 8998 0.095573	3664.9978	7259.585	698.919434
## 8999 0.098402	3775.0908	7384.093	1779.516724
## 9000 0.092647	3783.2883	7447.057	1836.434448
## 9001 0.092188	3747.5486	7426.193	1083.826416
## 9002 0.104803	3779.3542	7427.631	1484.190552
## 9003 0.091606	3853.4775	7531.207	1644.961914
## 9004 0.049665	3367.2356	6788.394	248.767990
## 9005 0.050000	3361.7766	6765.178	241.921967
## 9006 0.092533	3873.7551	7541.071	1884.328857
## 9007 0.055875	3720.2273	7472.001	250.041580
## 9008 0.094925	3853.2285	7611.877	1506.432251

## 9009 0.075663	2858.8877	7343.559	1890.026489
## 9010 0.092716	3849.9067	7549.458	1777.515991
## 9011 0.083610	3802.6069	7477.393	1858.836304
## 9012 0.067250	3333.4502	6608.000	903.767456
## 9013 0.081822	3742.7373	7342.256	2965.572510
## 9014 0.084533	3818.6704	7486.870	1992.544922
## 9015 0.103760	3809.2561	7516.263	457.546936
## 9016 0.084514	3569.2476	7125.001	359.580780
## 9017 0.074873	3747.3533	7390.879	1609.314697
## 9018 0.084046	3549.0942	6982.237	1502.911133
## 9019 0.059961	3467.1311	6867.970	1666.969238
## 9020 0.079051	3378.6130	6651.852	1172.937134
## 9021 0.076500	3350.0125	6539.001	1580.346191
## 9022 0.073485	3473.6128	6890.152	1046.475098
## 9023 0.087625	3348.8372	6544.000	1237.075195
## 9024 0.080068	3547.7817	6970.272	1366.485352
## 9025 0.087162	3538.1255	6957.433	1215.399292
## 9026 0.076923	3350.5657	6649.038	461.037750
## 9027 0.073125	3316.3940	6616.001	597.547974
## 9028 0.109990	3732.6604	7238.524	1290.435913
## 9029 0.109577	3465.5305	6762.904	944.697205
## 9030 0.097188	3437.2231	6745.833	1132.060669
## 9031 0.075216	3676.6711	7303.449	1129.643311
## 9032 0.133413	3744.6189	7191.923	1483.530762
## 9033 0.129250	3365.0049	6414.000	1543.425415
## 9034 0.115125	3348.9265	6464.001	1300.669189
## 9035 0.137500	3798.1089	7328.966	1340.593018
## 9036 0.136381	3746.5828	7233.957	1102.793823
## 9037 0.098625	3334.0415	6493.000	903.105408
## 9038 0.114559	3793.5645	7389.707	1168.093262
## 9039 0.090469	3570.5217	7317.498	483.767273
## 9040 0.097278	3484.0093	6748.389	1284.687866
## 9041 0.069026	3518.2087	6908.090	895.928955
## 9042 0.084130	3687.3037	7149.513	1505.958618
## 9043 0.091431	3487.3413	6758.066	1393.339966
## 9044 0.105990	3744.2854	7189.583	1523.238281
## 9045 0.094769	3653.2463	7070.652	1283.418701
## 9046 0.094148	3709.1917	7174.092	1688.355225
## 9047 0.120313	3588.0012	6885.526	1098.053101
## 9048 0.112875	3678.9307	7097.001	1254.086914
## 9049 0.114252	3762.4136	7239.393	1568.036987
## 9050 0.109269	3735.7734	7169.492	1606.100830
## 9051 0.102455	3430.1985	6622.321	1054.374634
## 9052 0.093080	3426.4277	6659.822	1035.972046
## 9053 0.138925	3731.1663	7111.844	1206.282227
## 9054 0.123888	3858.1797	7375.237	1753.760254
## 9055 0.114875	3365.4531	6485.000	851.548462
## 9056 0.144103	3757.0913	7085.886	1766.501953
## 9057 0.156122	3686.4346	6993.878	1391.322632
## 9058 0.119665	3622.4929	6901.220	1413.800049
## 9059 0.126888	3673.6145	7067.708	997.114624
## 9060 0.130718	3663.5959	7029.788	1021.989014
## 9061 0.113793	3440.2109	6645.689	750.717773
## 9062 0.132192	3792.7842	7227.397	1466.588257

## 9063	0.166884	3775.0017	7140.673	1012.170532
## 9064	0.141750	3371.4727	6419.000	840.464600
## 9065	0.085603	3430.9441	6635.717	1752.081543
## 9066	0.088254	3450.6892	6683.622	1384.432617
## 9067	0.157176	3417.2925	6515.741	331.622559
## 9068	0.153472	3419.0635	6509.260	316.488861
## 9069	0.145346	3836.6777	7375.533	837.160400
## 9070	0.140019	3770.2009	7205.598	792.063293
## 9071	0.107964	3724.2515	7248.388	1347.179443
## 9072	0.136875	3354.6370	6474.000	722.325562
## 9073	0.123375	3368.1401	6432.000	1324.038574
## 9074	0.132986	3563.1643	6820.834	1216.417603
## 9075	0.140625	3372.2715	6396.001	1358.948120
## 9076	0.156950	3739.4448	7060.345	1450.562744
## 9077	0.136426	3498.9561	6703.907	900.462524
## 9078	0.091082	3604.8564	7032.928	1558.637939
## 9079	0.119792	3550.3350	6869.447	1224.703491
## 9080	0.108306	3583.7539	6919.080	1271.385132
## 9081	0.112500	3631.6118	7034.091	1805.968872
## 9082	0.114614	3509.4658	6830.147	988.013306
## 9083	0.117886	3643.9167	7111.701	1030.488770
## 9084	0.127506	3826.8474	7434.900	1122.776855
## 9085	0.126696	3549.7029	6770.000	1509.148438
## 9086	0.119531	3497.8098	6708.593	1715.813232
## 9087	0.116406	3493.8137	6761.720	1373.937866
## 9088	0.126411	3488.2466	6681.453	1164.072266
## 9089	0.108239	3509.6538	6806.062	1102.539551
## 9090	0.133929	3683.8347	7025.001	1514.969116
##	\t\nfundamental_freq_mn motion_dist_mn label			
## 1	102.60780	0.538928	1	
## 2	84.68770	0.446286	1	
## 3	92.69461	0.591414	1	
## 4	96.59550	0.246416	1	
## 5	95.03695	0.314103	1	
## 6	109.96493	0.270214	1	
## 7	124.97644	0.399679	1	
## 8	131.13185	0.420022	1	
## 9	122.91135	0.657833	1	
## 10	124.33065	0.678812	1	
## 11	116.90527	0.266648	1	
## 12	97.25635	0.345087	1	
## 13	110.95454	0.331181	1	
## 14	127.39584	0.380865	1	
## 15	86.23029	0.318373	1	
## 16	111.78481	0.291844	1	
## 17	146.56058	0.299371	1	
## 18	130.83507	0.574563	1	
## 19	105.81737	0.318818	1	
## 20	132.85648	0.721467	1	
## 21	129.22937	0.353245	1	
## 22	111.39287	0.390240	1	
## 23	121.60601	0.602686	1	
## 24	119.35387	0.795117	1	
## 25	138.50339	0.616643	1	

## 26	144.57864	0.737363	1
## 27	137.91542	0.791816	1
## 28	102.76906	0.736903	1
## 29	125.99936	0.859254	1
## 30	113.67149	0.396954	1
## 31	120.45066	0.363259	1
## 32	119.38635	0.300859	1
## 33	109.51063	0.367148	1
## 34	126.57639	0.361200	1
## 35	125.16711	0.314554	1
## 36	93.88517	0.350377	1
## 37	84.83147	0.448876	1
## 38	105.07435	0.342860	1
## 39	116.20807	0.602730	1
## 40	75.86883	0.765802	1
## 41	119.27661	0.405429	1
## 42	144.32083	0.484070	1
## 43	73.44726	0.377483	1
## 44	112.36426	0.493036	1
## 45	119.43219	0.440889	1
## 46	135.26399	0.490714	1
## 47	100.16201	0.539701	1
## 48	121.79328	0.807154	1
## 49	110.34499	0.261786	1
## 50	137.30759	0.891526	1
## 51	123.27224	0.877406	1
## 52	106.23595	0.562158	1
## 53	140.26840	0.595120	1
## 54	106.09735	0.458997	1
## 55	118.45833	0.320479	1
## 56	106.38760	0.433891	1
## 57	116.29100	0.751801	1
## 58	90.80563	0.524604	1
## 59	118.28268	0.566865	1
## 60	132.82217	0.557575	1
## 61	126.39990	0.631159	1
## 62	113.52776	0.524160	1
## 63	130.32459	0.768905	1
## 64	125.94299	0.664024	1
## 65	131.45848	0.599375	1
## 66	138.73932	0.535544	1
## 67	117.36433	0.642532	1
## 68	96.51727	0.780240	1
## 69	87.98955	0.389383	1
## 70	127.58659	0.703489	1
## 71	99.40066	0.545251	1
## 72	119.09174	0.531457	1
## 73	85.72674	0.711344	1
## 74	80.83763	0.383191	1
## 75	86.62927	0.431985	1
## 76	99.58276	0.487160	1
## 77	133.42053	0.521627	1
## 78	133.00977	0.797443	1
## 79	140.57657	0.745968	1

## 80	116.74702	0.792549	1
## 81	109.54298	0.815717	1
## 82	123.65977	0.671158	1
## 83	117.44501	0.511650	1
## 84	116.22454	0.617285	1
## 85	114.35708	0.510332	1
## 86	106.93469	0.519929	1
## 87	117.49778	0.442212	1
## 88	97.59048	0.511558	1
## 89	103.48925	0.451111	1
## 90	117.59945	0.481197	1
## 91	102.14524	0.874818	1
## 92	83.35854	0.419027	1
## 93	95.89084	0.612590	1
## 94	96.73098	0.557669	1
## 95	106.88685	0.621615	1
## 96	106.72943	0.502259	1
## 97	63.52938	0.616842	1
## 98	67.91911	0.398125	1
## 99	106.66020	0.594682	1
## 100	123.25135	0.441873	1
## 101	118.18892	0.441997	1
## 102	103.87421	0.342050	1
## 103	96.16812	0.652804	1
## 104	101.12659	0.420463	1
## 105	118.59423	0.373571	1
## 106	115.43787	0.723462	1
## 107	106.57582	0.867035	1
## 108	99.97479	0.529396	1
## 109	78.17009	0.294286	1
## 110	77.11111	0.459774	1
## 111	84.29363	0.624734	1
## 112	82.67464	0.278585	1
## 113	107.16775	0.357164	1
## 114	101.83175	0.431442	1
## 115	101.57985	0.528622	1
## 116	88.54514	0.689013	1
## 117	86.15765	0.572051	1
## 118	116.98658	0.322332	1
## 119	129.80591	0.661274	1
## 120	98.18927	0.780298	1
## 121	124.23515	0.240792	1
## 122	114.65834	0.571229	1
## 123	130.81813	0.731949	1
## 124	108.45376	0.721314	1
## 125	101.57056	0.638591	1
## 126	107.50905	0.595114	1
## 127	104.65601	0.836681	1
## 128	106.31866	0.806709	1
## 129	107.01436	0.677512	1
## 130	102.36607	0.577738	1
## 131	107.33746	0.585674	1
## 132	118.44209	0.808092	1
## 133	109.94714	0.794293	1

## 134	114.01035	0.830367	1
## 135	80.76405	0.274573	1
## 136	119.57372	0.507269	1
## 137	137.64148	0.559101	1
## 138	133.67169	0.618350	1
## 139	105.18605	0.287433	1
## 140	95.49952	0.357657	1
## 141	96.36031	0.296201	1
## 142	92.86983	0.458822	1
## 143	117.14317	0.416824	1
## 144	115.49300	0.274468	1
## 145	133.98384	0.240982	1
## 146	126.13590	0.353467	1
## 147	131.12036	0.355664	1
## 148	129.26689	0.367716	1
## 149	139.87981	0.351657	1
## 150	135.04684	0.340730	1
## 151	142.01578	0.223843	1
## 152	134.64996	0.288692	1
## 153	140.22336	0.316012	1
## 154	127.67581	0.275247	1
## 155	134.58661	0.282162	1
## 156	133.45664	0.460619	1
## 157	100.65654	0.306262	1
## 158	124.74567	0.351107	1
## 159	140.65506	0.422371	1
## 160	137.77480	0.342145	1
## 161	137.94406	0.191778	1
## 162	141.20872	0.374066	1
## 163	129.90292	0.424740	1
## 164	118.21835	0.389495	1
## 165	127.78378	0.530459	1
## 166	127.39005	0.741327	1
## 167	126.04759	0.702755	1
## 168	134.22275	0.766420	1
## 169	122.35375	0.637668	1
## 170	102.35438	0.546305	1
## 171	96.32066	0.764017	1
## 172	122.36344	0.356812	1
## 173	99.21005	0.716181	1
## 174	109.86395	0.726702	1
## 175	102.25733	0.718828	1
## 176	81.44934	0.449944	1
## 177	72.95518	0.731214	1
## 178	85.57060	0.761098	1
## 179	105.56193	0.787223	1
## 180	83.14663	0.540476	1
## 181	96.93759	0.543883	1
## 182	81.66024	0.687267	1
## 183	88.05306	0.706332	1
## 184	88.89001	0.599796	1
## 185	90.86258	0.786365	1
## 186	105.46211	0.665118	1
## 187	112.09047	0.594221	1

## 188	106.16689	0.300522	1
## 189	118.63956	0.548760	1
## 190	112.78797	0.250772	1
## 191	124.99185	0.463580	1
## 192	125.25967	0.287970	1
## 193	117.87699	0.347045	1
## 194	121.63888	0.587358	1
## 195	134.66461	0.494879	1
## 196	110.67790	0.424888	1
## 197	129.43349	0.567640	1
## 198	110.23391	0.512078	1
## 199	83.82008	0.827720	1
## 200	90.77593	0.845365	1
## 201	100.78188	0.649379	1
## 202	103.48204	0.672044	1
## 203	118.09646	0.645988	1
## 204	129.58672	0.711846	1
## 205	136.10770	0.613369	1
## 206	137.14877	0.583699	1
## 207	108.71973	0.416145	1
## 208	105.90685	0.367465	1
## 209	109.84465	0.646329	1
## 210	91.94413	0.365488	1
## 211	135.02869	0.430854	1
## 212	158.05783	0.660322	1
## 213	120.28857	0.798878	1
## 214	118.07534	0.536319	1
## 215	76.79960	0.787861	1
## 216	127.70863	0.397417	1
## 217	139.29359	0.540074	1
## 218	121.35476	0.725875	1
## 219	125.85268	0.718353	1
## 220	114.34180	0.672369	1
## 221	114.36339	0.574022	1
## 222	91.14117	0.588786	1
## 223	102.53793	0.764111	1
## 224	104.29699	0.775162	1
## 225	103.98707	0.845949	1
## 226	113.55130	0.602342	1
## 227	99.82745	0.550998	1
## 228	89.34244	0.584813	1
## 229	108.24412	0.800095	1
## 230	112.88564	0.803256	1
## 231	111.80076	0.818626	1
## 232	89.71287	0.236551	1
## 233	110.66370	0.501039	1
## 234	100.76075	0.552925	1
## 235	111.97083	0.577179	1
## 236	135.54086	0.266682	1
## 237	97.21646	0.425437	1
## 238	84.03644	0.279976	1
## 239	85.03432	0.290785	1
## 240	85.62575	0.330974	1
## 241	129.94238	0.310236	1

## 242	105.22089	0.446210	1
## 243	126.04192	0.499700	1
## 244	132.27280	0.564496	1
## 245	124.22384	0.447491	1
## 246	117.88523	0.598051	1
## 247	110.19669	0.671089	1
## 248	105.77333	0.760434	1
## 249	99.96263	0.634644	1
## 250	111.18281	0.533034	1
## 251	100.97983	0.737766	1
## 252	92.60541	0.350531	1
## 253	97.98933	0.689345	1
## 254	107.95408	0.732879	1
## 255	91.76530	0.634813	1
## 256	115.03928	0.769154	1
## 257	127.71738	0.567029	1
## 258	92.53329	0.388207	1
## 259	117.60648	0.592792	1
## 260	126.08243	0.723700	1
## 261	123.79660	0.694452	1
## 262	115.98168	0.311034	1
## 263	106.46784	0.229622	1
## 264	87.13677	0.247890	1
## 265	90.32523	0.302201	1
## 266	127.08788	0.136333	1
## 267	100.17693	0.320862	1
## 268	134.47348	0.306843	1
## 269	95.19999	0.207863	1
## 270	122.32585	0.274745	1
## 271	115.55118	0.255559	1
## 272	92.36517	0.232542	1
## 273	135.04073	0.406840	1
## 274	119.70010	0.518802	1
## 275	86.16494	0.470793	1
## 276	91.39331	0.125488	1
## 277	125.96709	0.109511	1
## 278	122.01904	0.345092	1
## 279	124.37901	0.230492	1
## 280	64.73813	0.348660	1
## 281	110.32057	0.162030	1
## 282	111.81650	0.279269	1
## 283	103.78059	0.261706	1
## 284	112.61784	0.403760	1
## 285	108.91876	0.758910	1
## 286	123.14903	0.523963	1
## 287	126.40266	0.591803	1
## 288	93.58119	0.579674	1
## 289	126.15625	0.623946	1
## 290	135.02112	0.626587	1
## 291	118.39333	0.753896	1
## 292	142.28404	0.467853	1
## 293	120.35647	0.736872	1
## 294	135.96249	0.515974	1
## 295	134.64792	0.506974	1

## 296	130.85854	0.695418	1
## 297	137.42143	0.503065	1
## 298	134.63559	0.647672	1
## 299	151.16524	0.684318	1
## 300	143.85194	0.498685	1
## 301	124.14946	0.360089	1
## 302	130.99049	0.583927	1
## 303	138.39944	0.731461	1
## 304	128.08067	0.668140	1
## 305	142.17381	0.824130	1
## 306	128.47899	0.442236	1
## 307	133.27431	0.788597	1
## 308	132.79457	0.681568	1
## 309	145.13989	0.778297	1
## 310	142.24831	0.571746	1
## 311	132.90411	0.552652	1
## 312	125.32581	0.510690	1
## 313	116.88609	0.713787	1
## 314	114.88546	0.672433	1
## 315	141.10269	0.915496	1
## 316	131.14970	0.379086	1
## 317	146.89255	0.363741	1
## 318	100.89221	0.211837	1
## 319	103.08019	0.231567	1
## 320	92.78281	0.253844	1
## 321	127.84875	0.235329	1
## 322	127.17550	0.342243	1
## 323	135.24844	0.272210	1
## 324	155.16086	0.216591	1
## 325	159.60001	0.383660	1
## 326	138.89780	0.218046	1
## 327	116.47606	0.347757	1
## 328	109.12400	0.289531	1
## 329	111.45224	0.327990	1
## 330	131.86791	0.174861	1
## 331	99.20594	0.277510	1
## 332	123.58554	0.351983	1
## 333	125.77123	0.137851	1
## 334	123.54860	0.096699	1
## 335	112.63141	0.317794	1
## 336	126.07674	0.327301	1
## 337	119.64871	0.214817	1
## 338	106.85587	0.308466	1
## 339	133.03117	0.416882	1
## 340	111.56382	0.211041	1
## 341	120.00339	0.311879	1
## 342	122.27485	0.488314	1
## 343	97.16831	0.286104	1
## 344	122.68973	0.277690	1
## 345	117.87740	0.454465	1
## 346	160.55588	0.495608	1
## 347	145.73718	0.185533	1
## 348	117.40334	0.744147	1
## 349	92.16812	0.383314	1

## 350	96.02287	0.289466	1
## 351	71.52782	0.365476	1
## 352	91.89119	0.465272	1
## 353	83.04929	0.417908	1
## 354	95.33569	0.355635	1
## 355	84.54002	0.462010	1
## 356	88.34316	0.509869	1
## 357	104.18391	0.310380	1
## 358	89.74514	0.292501	1
## 359	113.90745	0.821942	1
## 360	146.84784	0.391070	1
## 361	134.48202	0.359476	1
## 362	135.89450	0.685984	1
## 363	126.98280	0.375796	1
## 364	122.38390	0.439684	1
## 365	80.19295	0.664326	1
## 366	113.83838	0.824402	1
## 367	117.88676	0.556520	1
## 368	109.52356	0.817885	1
## 369	118.26717	0.316179	1
## 370	113.35626	0.410692	1
## 371	121.44959	0.432188	1
## 372	131.98390	0.644214	1
## 373	103.06874	0.812100	1
## 374	135.02907	0.631217	1
## 375	136.20934	0.762292	1
## 376	144.59523	0.754247	1
## 377	136.67368	0.912264	1
## 378	109.49685	0.425168	1
## 379	103.90546	0.405961	1
## 380	117.33678	0.493039	1
## 381	137.38025	0.511726	1
## 382	129.71512	0.461201	1
## 383	136.46173	0.431195	1
## 384	148.39423	0.452527	1
## 385	109.67666	0.468888	1
## 386	113.60482	0.344598	1
## 387	139.00694	0.390875	1
## 388	135.87611	0.831051	1
## 389	128.28481	0.533078	1
## 390	127.13132	0.719552	1
## 391	112.67027	0.611665	1
## 392	107.00075	0.727774	1
## 393	106.18835	0.702598	1
## 394	108.14938	0.401801	1
## 395	99.46759	0.558956	1
## 396	105.42242	0.711929	1
## 397	123.33459	0.846671	1
## 398	113.91721	0.810822	1
## 399	112.86958	0.880897	1
## 400	105.03716	0.804915	1
## 401	105.29960	0.555560	1
## 402	103.01159	0.386949	1
## 403	115.77408	0.500638	1

## 404	108.08479	0.832389	1
## 405	133.71303	0.559123	1
## 406	142.43605	0.498908	1
## 407	130.73558	0.614479	1
## 408	145.77650	0.548995	1
## 409	165.83919	0.493504	1
## 410	130.93617	0.420537	1
## 411	160.85890	0.542013	1
## 412	114.02212	0.474219	1
## 413	136.69746	0.838010	1
## 414	111.95887	0.655154	1
## 415	101.11974	0.858180	1
## 416	113.31863	0.588702	1
## 417	127.81387	0.427515	1
## 418	79.81804	0.653502	1
## 419	129.14223	0.296697	1
## 420	96.07379	0.297449	1
## 421	134.01927	0.417771	1
## 422	136.92235	0.381537	1
## 423	160.76991	0.456200	1
## 424	169.93964	0.441828	1
## 425	144.70924	0.476237	1
## 426	140.16156	0.437136	1
## 427	143.70509	0.427345	1
## 428	135.01065	0.761815	1
## 429	124.30298	0.531656	1
## 430	117.27885	0.893707	1
## 431	95.75824	0.528397	1
## 432	110.39801	0.467595	1
## 433	113.43831	0.491399	1
## 434	116.01305	0.464565	1
## 435	127.70355	0.445724	1
## 436	109.85003	0.421367	1
## 437	97.98518	0.293836	1
## 438	111.04330	0.504345	1
## 439	128.24965	0.352028	1
## 440	119.67102	0.431132	1
## 441	109.09800	0.306136	1
## 442	129.94943	0.580838	1
## 443	124.22490	0.520661	1
## 444	96.05198	0.427005	1
## 445	92.75187	0.530923	1
## 446	129.74307	0.484035	1
## 447	119.11747	0.485292	1
## 448	81.87139	0.421679	1
## 449	92.74784	0.621109	1
## 450	101.89760	0.838588	1
## 451	119.74844	0.742606	1
## 452	123.92111	0.890164	1
## 453	121.22834	0.873800	1
## 454	108.04138	0.554381	1
## 455	127.97948	0.617053	1
## 456	124.70068	0.757560	1
## 457	121.52194	0.534654	1

## 458	133.68401	0.702165	1
## 459	118.10862	0.622167	1
## 460	132.89722	0.527827	1
## 461	123.41682	0.755544	1
## 462	125.10793	0.466770	1
## 463	83.77937	0.535885	1
## 464	106.33713	0.311699	1
## 465	101.31110	0.284959	1
## 466	106.02924	0.835778	1
## 467	157.55238	0.413984	1
## 468	101.42456	0.314985	1
## 469	126.77898	0.465913	1
## 470	122.38473	0.407951	1
## 471	130.25073	0.441954	1
## 472	114.10831	0.324843	1
## 473	130.45641	0.494112	1
## 474	151.56506	0.423112	1
## 475	99.14405	0.416681	1
## 476	95.90594	0.324329	1
## 477	97.14417	0.715288	1
## 478	119.48971	0.364414	1
## 479	106.44869	0.403930	1
## 480	113.27387	0.644964	1
## 481	122.54822	0.876252	1
## 482	88.33028	0.330778	1
## 483	83.17420	0.683107	1
## 484	117.21733	0.520784	1
## 485	101.63860	0.535632	1
## 486	80.61155	0.824828	1
## 487	97.94417	0.792764	1
## 488	94.64173	0.603085	1
## 489	100.20008	0.513820	1
## 490	105.40015	0.491242	1
## 491	95.92607	0.302469	1
## 492	122.68774	0.441123	1
## 493	114.12067	0.388191	1
## 494	97.30714	0.472204	1
## 495	115.48879	0.772941	1
## 496	87.45610	0.483224	1
## 497	118.61234	0.426322	1
## 498	138.21834	0.518834	1
## 499	151.68282	0.598921	1
## 500	124.64273	0.380315	1
## 501	127.93654	0.481202	1
## 502	104.96558	0.374427	1
## 503	133.70337	0.290228	1
## 504	132.43585	0.505499	1
## 505	101.08600	0.417343	1
## 506	115.96018	0.487000	1
## 507	99.35933	0.541772	1
## 508	114.16465	0.819195	1
## 509	121.54143	0.268891	1
## 510	116.72061	0.859524	1
## 511	126.79368	0.297796	1

## 512	111.14574	0.459624	1
## 513	96.45159	0.544402	1
## 514	113.84328	0.355614	1
## 515	100.49901	0.271998	1
## 516	112.36357	0.755789	1
## 517	138.09093	0.284284	1
## 518	78.32677	0.447122	1
## 519	101.15031	0.535890	1
## 520	79.02341	0.406992	1
## 521	92.35603	0.461876	1
## 522	118.56064	0.508500	1
## 523	128.96053	0.713364	1
## 524	112.76354	0.595022	1
## 525	122.56829	0.338585	1
## 526	111.32913	0.631040	1
## 527	119.36364	0.818238	1
## 528	99.45355	0.468567	1
## 529	96.02415	0.420580	1
## 530	113.88072	0.512466	1
## 531	107.16534	0.508581	1
## 532	97.94579	0.512988	1
## 533	92.79206	0.655895	1
## 534	95.41039	0.403289	1
## 535	108.90923	0.541073	1
## 536	91.83919	0.547320	1
## 537	116.92245	0.537332	1
## 538	108.93848	0.422955	1
## 539	88.15723	0.363710	1
## 540	81.69559	0.544058	1
## 541	93.71726	0.433205	1
## 542	93.21424	0.394359	1
## 543	99.58562	0.440339	1
## 544	111.96390	0.664951	1
## 545	82.50296	0.593671	1
## 546	104.74073	0.512509	1
## 547	118.61744	0.551003	1
## 548	111.28497	0.412757	1
## 549	107.14180	0.584181	1
## 550	119.92998	0.680557	1
## 551	131.21951	0.487978	1
## 552	109.46412	0.459649	1
## 553	103.20709	0.753405	1
## 554	100.65735	0.483089	1
## 555	146.21747	0.449145	1
## 556	130.00282	0.484108	1
## 557	120.44177	0.512265	1
## 558	140.76001	0.723555	1
## 559	115.66542	0.425140	1
## 560	96.66635	0.624455	1
## 561	61.20042	0.559153	1
## 562	62.99981	0.617790	1
## 563	66.86106	0.517689	1
## 564	125.54305	0.612047	1
## 565	116.83336	0.423110	1

## 566	110.17046	0.586908	1
## 567	141.40749	0.798524	-1
## 568	138.85936	0.519380	-1
## 569	139.77596	0.453860	-1
## 570	136.09827	0.482102	-1
## 571	125.75220	0.640636	-1
## 572	104.63082	0.608183	-1
## 573	124.93831	0.510010	-1
## 574	130.24501	0.438955	-1
## 575	136.78983	0.808758	-1
## 576	138.66727	0.811793	-1
## 577	105.37231	0.732492	-1
## 578	145.91344	0.780317	1
## 579	124.76346	0.884755	1
## 580	103.74831	0.468727	1
## 581	84.48827	0.698029	1
## 582	100.43828	0.491567	1
## 583	81.19061	0.628087	1
## 584	95.54304	0.593780	1
## 585	90.60923	0.599050	1
## 586	81.49023	0.548386	1
## 587	74.52920	0.493729	1
## 588	93.69703	0.592957	1
## 589	77.63416	0.547811	1
## 590	96.50685	0.474498	1
## 591	83.79042	0.453485	1
## 592	89.51863	0.496136	1
## 593	87.28212	0.383385	1
## 594	57.73767	0.316187	1
## 595	65.36771	0.472345	1
## 596	74.24743	0.425571	1
## 597	68.52239	0.535662	1
## 598	77.81132	0.305866	1
## 599	78.51248	0.558499	1
## 600	81.44031	0.576743	1
## 601	96.51023	0.618526	1
## 602	83.41444	0.561395	1
## 603	80.99236	0.832106	1
## 604	108.86739	0.789312	1
## 605	110.50977	0.847342	1
## 606	108.68179	0.441880	1
## 607	103.75077	0.724602	1
## 608	112.78570	0.433201	1
## 609	117.47728	0.500164	1
## 610	111.79809	0.387676	1
## 611	93.33497	0.377253	1
## 612	145.21800	0.321136	1
## 613	132.42480	0.484863	1
## 614	148.18739	0.547373	1
## 615	83.24254	0.360212	1
## 616	64.99547	0.463642	1
## 617	95.66323	0.687726	1
## 618	70.47262	0.336032	1
## 619	91.11669	0.730579	1

## 620	85.87421	0.522840	1
## 621	71.11355	0.470219	1
## 622	100.94555	0.397042	1
## 623	55.37118	0.456743	1
## 624	107.10870	0.597022	1
## 625	84.85094	0.363238	1
## 626	102.33281	0.499827	1
## 627	89.34972	0.498977	1
## 628	97.29712	0.938336	1
## 629	123.28501	0.466196	1
## 630	137.52006	0.325395	1
## 631	127.69113	0.336487	1
## 632	107.18021	0.772822	1
## 633	123.25764	0.279587	1
## 634	126.54237	0.643413	1
## 635	137.31261	0.521614	1
## 636	129.37009	0.581988	1
## 637	80.91985	0.692699	1
## 638	112.66264	0.605380	1
## 639	125.03220	0.606020	1
## 640	105.48955	0.703827	1
## 641	97.56165	0.537469	1
## 642	89.75916	0.373718	1
## 643	94.77895	0.327299	1
## 644	76.12292	0.317355	1
## 645	78.96880	0.434187	1
## 646	93.22729	0.434099	1
## 647	84.68930	0.858793	1
## 648	113.22894	0.487031	1
## 649	107.77734	0.367194	1
## 650	103.58175	0.752900	1
## 651	119.73391	0.730655	1
## 652	97.33965	0.381857	1
## 653	101.03560	0.513921	1
## 654	92.61844	0.503017	1
## 655	96.93000	0.556925	1
## 656	106.01811	0.638657	1
## 657	93.89479	0.384947	1
## 658	95.43667	0.502764	1
## 659	96.23841	0.580640	1
## 660	99.32029	0.432716	1
## 661	102.36043	0.413719	1
## 662	108.95976	0.877762	1
## 663	116.84521	0.915782	1
## 664	102.68728	0.505074	1
## 665	98.52834	0.468379	1
## 666	80.85776	0.467166	1
## 667	130.00670	0.358273	1
## 668	136.87042	0.732836	1
## 669	92.48734	0.542532	1
## 670	117.08097	0.657023	1
## 671	117.44987	0.487120	1
## 672	136.51787	0.361643	1
## 673	105.29648	0.495633	1

## 674	87.17960	0.278783	1
## 675	114.58286	0.745099	1
## 676	115.93932	0.551751	1
## 677	120.76858	0.890851	1
## 678	131.27469	0.715321	1
## 679	105.24294	0.857061	1
## 680	117.54015	0.923194	1
## 681	114.95052	0.490237	1
## 682	96.84152	0.390854	1
## 683	137.07452	0.486625	1
## 684	139.41951	0.707740	-1
## 685	121.28772	0.979368	-1
## 686	114.23084	0.419428	-1
## 687	107.89473	0.953315	-1
## 688	121.40764	0.941366	-1
## 689	121.50295	0.964414	-1
## 690	119.03980	0.963388	-1
## 691	109.90829	0.650837	-1
## 692	97.64877	0.696180	-1
## 693	91.12653	0.737410	-1
## 694	105.05653	0.776429	-1
## 695	112.10494	0.799160	-1
## 696	108.36774	0.700549	-1
## 697	102.23403	0.638571	-1
## 698	92.95077	0.615199	-1
## 699	86.42084	0.734325	-1
## 700	137.11705	0.877551	-1
## 701	141.16469	0.971245	-1
## 702	139.27824	0.798928	-1
## 703	123.89170	0.882723	-1
## 704	126.53890	0.948563	-1
## 705	123.70890	0.853047	-1
## 706	122.95378	0.981842	-1
## 707	122.40212	0.840359	-1
## 708	119.73354	0.974545	-1
## 709	125.67818	0.957415	-1
## 710	118.32690	0.420483	-1
## 711	131.42363	0.863864	-1
## 712	144.60146	0.757053	-1
## 713	123.52848	0.977008	-1
## 714	123.62690	0.627982	-1
## 715	119.38842	0.750996	-1
## 716	130.37968	0.481274	-1
## 717	106.22164	0.647030	-1
## 718	101.30089	0.846949	-1
## 719	135.26924	0.981066	-1
## 720	94.63939	0.816300	-1
## 721	105.45879	0.871300	-1
## 722	99.23988	0.593402	-1
## 723	101.33499	0.711020	-1
## 724	114.57057	0.836215	1
## 725	140.33903	0.754816	1
## 726	129.20299	0.536641	1
## 727	126.11700	0.589046	1

## 728	124.74967	0.407414	1
## 729	107.00157	0.409870	1
## 730	128.36574	0.826517	1
## 731	113.50636	0.493297	1
## 732	98.55800	0.533058	1
## 733	96.58652	0.565056	1
## 734	99.17401	0.853684	1
## 735	104.21882	0.356102	1
## 736	80.21829	0.253967	1
## 737	79.08162	0.824125	1
## 738	93.41217	0.496462	1
## 739	91.15610	0.307662	1
## 740	100.89208	0.474005	1
## 741	99.26479	0.808231	1
## 742	101.42389	0.327346	1
## 743	103.34930	0.330134	1
## 744	96.48434	0.858899	1
## 745	87.95012	0.418373	1
## 746	83.74819	0.292676	1
## 747	78.02154	0.560480	1
## 748	90.22257	0.602848	1
## 749	122.44903	0.693341	1
## 750	107.11906	0.413831	1
## 751	101.53580	0.803748	1
## 752	98.48042	0.851131	1
## 753	107.62430	0.457097	1
## 754	97.54848	0.288240	1
## 755	109.69380	0.587364	1
## 756	128.46912	0.348577	1
## 757	100.40604	0.419094	1
## 758	102.52238	0.590822	1
## 759	113.21577	0.465278	1
## 760	93.26154	0.492959	1
## 761	110.53408	0.691356	1
## 762	110.13801	0.319932	1
## 763	114.36437	0.914443	1
## 764	98.58578	0.843588	1
## 765	83.76127	0.859024	1
## 766	93.44959	0.881844	1
## 767	105.25726	0.906000	1
## 768	100.77388	0.407252	1
## 769	108.93262	0.792835	1
## 770	110.77406	0.894296	1
## 771	117.33981	0.777391	1
## 772	102.39510	0.858246	1
## 773	112.43820	0.339008	1
## 774	115.68073	0.439973	1
## 775	94.52020	0.576782	1
## 776	117.70388	0.804424	1
## 777	101.38613	0.719400	1
## 778	113.66304	0.296746	1
## 779	102.17576	0.254197	1
## 780	94.88088	0.450447	1
## 781	105.88295	0.479943	1

## 782	108.71175	0.799571	1
## 783	123.02663	0.836220	1
## 784	120.28029	0.766358	1
## 785	122.16529	0.688463	1
## 786	118.03664	0.890008	1
## 787	122.91109	0.344730	1
## 788	125.92649	0.576116	1
## 789	138.35710	0.639332	1
## 790	124.03191	0.858743	1
## 791	110.66372	0.620517	1
## 792	118.15709	0.524420	1
## 793	115.53692	0.353272	1
## 794	109.50732	0.598918	1
## 795	101.42195	0.544516	1
## 796	130.48645	0.543347	1
## 797	141.64023	0.947066	1
## 798	111.69434	0.536920	1
## 799	132.06566	0.381601	1
## 800	110.17540	0.325410	1
## 801	101.13834	0.317457	1
## 802	131.72501	0.427888	1
## 803	136.77103	0.433087	1
## 804	113.70912	0.857403	1
## 805	84.38044	0.884240	1
## 806	79.64806	0.427147	1
## 807	113.00298	0.756594	-1
## 808	141.71646	0.681845	-1
## 809	130.12650	0.972560	-1
## 810	142.26695	0.696493	-1
## 811	128.28102	0.819684	-1
## 812	142.33952	0.982870	-1
## 813	145.37822	0.800086	-1
## 814	139.98351	0.815002	-1
## 815	142.12865	0.813914	-1
## 816	139.62935	0.719569	-1
## 817	140.86446	0.838461	-1
## 818	120.57122	0.373085	-1
## 819	123.72526	0.782722	-1
## 820	120.78800	0.778549	-1
## 821	133.68346	0.975071	-1
## 822	142.86583	0.652985	-1
## 823	137.62349	0.789589	-1
## 824	140.87755	0.796946	-1
## 825	125.17243	0.747308	-1
## 826	101.47414	0.830492	-1
## 827	135.84079	0.540152	-1
## 828	135.56149	0.541501	1
## 829	124.71509	0.342514	1
## 830	94.56970	0.544813	1
## 831	95.11053	0.321128	1
## 832	103.49685	0.864875	1
## 833	109.60857	0.345348	1
## 834	92.78167	0.612073	1
## 835	77.21688	0.657813	1

## 836	98.21799	0.711423	1
## 837	87.75320	0.654989	1
## 838	82.76281	0.810312	1
## 839	92.65572	0.626804	1
## 840	107.77156	0.637477	1
## 841	104.03377	0.495962	1
## 842	98.43892	0.372315	1
## 843	93.51169	0.622939	1
## 844	92.17122	0.653530	1
## 845	85.69364	0.665658	1
## 846	71.34737	0.498231	1
## 847	102.22684	0.549596	1
## 848	105.41949	0.510478	1
## 849	87.47468	0.477859	1
## 850	92.07227	0.231301	1
## 851	100.06088	0.359470	1
## 852	90.14596	0.381848	1
## 853	106.10756	0.473943	1
## 854	108.17912	0.380005	1
## 855	108.67635	0.457411	1
## 856	98.00719	0.614598	1
## 857	89.69039	0.904998	1
## 858	85.35616	0.562960	1
## 859	95.07631	0.743987	1
## 860	123.18505	0.811283	1
## 861	133.02583	0.576972	1
## 862	132.53615	0.548653	1
## 863	139.99994	0.733054	1
## 864	126.11092	0.486806	1
## 865	122.85197	0.549240	1
## 866	130.98431	0.843843	1
## 867	110.35213	0.656733	1
## 868	140.14348	0.722335	1
## 869	127.89123	0.600424	1
## 870	112.81216	0.425455	1
## 871	121.61367	0.644538	1
## 872	123.17705	0.558527	1
## 873	132.94801	0.626731	1
## 874	116.01466	0.621349	1
## 875	124.46723	0.706838	1
## 876	128.50656	0.858081	1
## 877	123.41004	0.777468	1
## 878	138.56667	0.533044	1
## 879	134.69604	0.321968	1
## 880	135.25705	0.406541	1
## 881	133.71318	0.397139	1
## 882	145.56406	0.374726	1
## 883	137.21979	0.369135	1
## 884	144.17545	0.778584	1
## 885	141.13986	0.315878	1
## 886	123.12386	0.381870	1
## 887	109.68770	0.707092	1
## 888	105.49984	0.299265	1
## 889	115.60287	0.395677	1

## 890	100.47973	0.435297	1
## 891	120.67886	0.655765	1
## 892	97.87202	0.862864	1
## 893	111.85957	0.942135	1
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## 899	141.04950	0.877108	-1
## 900	123.36079	0.627017	-1
## 901	137.76921	0.938325	-1
## 902	133.87679	0.637524	-1
## 903	144.20754	0.946061	-1
## 904	133.23621	0.784175	-1
## 905	154.88719	0.930217	-1
## 906	150.01022	0.927361	-1
## 907	148.54353	0.609120	-1
## 908	150.58153	0.923417	-1
## 909	149.10242	0.827169	-1
## 910	130.38646	0.749863	-1
## 911	143.09723	0.932976	-1
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## 913	142.16000	0.824301	-1
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## 915	114.13975	0.438526	-1
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## 920	117.23950	0.584921	1
## 921	118.99621	0.392289	1
## 922	78.29197	0.416749	1
## 923	73.23676	0.323218	1
## 924	69.98401	0.644116	1
## 925	81.17386	0.513939	1
## 926	86.42895	0.571998	1
## 927	95.29412	0.831757	1
## 928	122.82346	0.822152	1
## 929	107.61664	0.909981	1
## 930	110.92954	0.830809	1
## 931	108.43167	0.901504	1
## 932	102.12580	0.541850	1
## 933	125.42042	0.321345	1
## 934	137.43015	0.405100	1
## 935	137.28796	0.397451	1
## 936	137.55339	0.355435	1
## 937	140.68243	0.370428	1
## 938	141.37816	0.776286	1
## 939	146.32277	0.315196	1
## 940	121.38502	0.379974	1
## 941	137.41118	0.711170	1
## 942	107.07930	0.299344	1
## 943	119.93237	0.396480	1

## 944	88.79328	0.418563	1
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## 947	96.16056	0.333904	1
## 948	118.40753	0.321433	1
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## 950	104.07436	0.436282	1
## 951	108.05132	0.866254	1
## 952	126.76815	0.385267	1
## 953	115.19106	0.339053	1
## 954	110.41539	0.493489	1
## 955	116.63949	0.545248	1
## 956	91.43848	0.357507	1
## 957	85.24719	0.459968	1
## 958	81.44163	0.696239	1
## 959	83.36571	0.334943	1
## 960	72.21129	0.738494	1
## 961	110.32481	0.524015	1
## 962	142.49339	0.474937	1
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## 965	122.11176	0.593044	1
## 966	57.41492	0.355101	1
## 967	90.26997	0.500312	1
## 968	88.02180	0.502433	1
## 969	89.45802	0.938304	1
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## 971	79.76753	0.466999	1
## 972	82.28594	0.485626	1
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## 979	135.34895	0.495275	1
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## 989	125.67412	0.737074	-1
## 990	126.65691	0.800333	-1
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## 1009	124.05161	0.749778	-1
## 1010	138.18459	0.542078	-1
## 1011	140.89416	0.797308	-1
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## 1020	130.52145	0.480445	-1
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## 1105	110.66086	0.501644	1

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## 1115	75.01096	0.376261	1
## 1116	84.72598	0.629154	1
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## 1118	115.57517	0.665154	1
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## 1246	144.62793	0.496262	-1
## 1247	146.30589	0.551177	-1
## 1248	139.29692	0.773316	-1
## 1249	150.38528	0.777617	-1
## 1250	149.01500	0.802554	-1
## 1251	130.32439	0.550286	-1
## 1252	110.58987	0.637090	-1
## 1253	135.45012	0.636410	-1
## 1254	134.03485	0.762033	-1
## 1255	140.08684	0.750713	-1
## 1256	124.61402	0.609373	-1
## 1257	121.53674	0.674963	-1
## 1258	125.84634	0.675681	-1
## 1259	145.78885	0.823177	-1
## 1260	145.53332	0.770771	-1
## 1261	139.52647	0.793387	-1
## 1262	145.89983	0.607567	-1
## 1263	134.50015	0.796844	-1
## 1264	143.82958	0.770577	-1
## 1265	140.81015	0.796393	-1
## 1266	122.93446	0.805142	-1
## 1267	95.01532	0.621496	-1

## 1268	130.82759	0.778874	-1
## 1269	87.28440	0.545180	1
## 1270	86.94614	0.231757	1
## 1271	76.93539	0.385610	1
## 1272	70.84216	0.396660	1
## 1273	78.87672	0.343188	1
## 1274	87.39915	0.719032	1
## 1275	92.03741	0.616597	1
## 1276	93.45640	0.495029	1
## 1277	94.29547	0.592792	1
## 1278	96.55679	0.508697	1
## 1279	116.41777	0.598425	1
## 1280	95.28584	0.477388	1
## 1281	94.48206	0.590287	1
## 1282	94.43947	0.498795	1
## 1283	108.13052	0.456586	1
## 1284	99.49468	0.418466	1
## 1285	82.92903	0.580736	1
## 1286	107.29426	0.625340	1
## 1287	93.21949	0.524195	1
## 1288	89.70385	0.494207	1
## 1289	98.69671	0.753804	1
## 1290	111.49969	0.905317	1
## 1291	90.85287	0.610830	1
## 1292	81.11272	0.385033	1
## 1293	79.95259	0.336432	1
## 1294	87.13799	0.319496	1
## 1295	86.20342	0.435222	1
## 1296	78.25159	0.452479	1
## 1297	78.69996	0.318067	1
## 1298	93.47468	0.904433	1
## 1299	154.23303	0.375249	1
## 1300	144.38451	0.336546	1
## 1301	134.75049	0.490266	1
## 1302	92.47531	0.546418	1
## 1303	84.65442	0.360838	1
## 1304	75.54451	0.460436	1
## 1305	74.69600	0.692949	1
## 1306	82.36277	0.338036	1
## 1307	73.38436	0.732343	1
## 1308	90.84892	0.525163	1
## 1309	69.05286	0.466142	1
## 1310	105.68630	0.398922	1
## 1311	75.79642	0.453314	1
## 1312	97.63573	0.599301	1
## 1313	90.71587	0.351329	1
## 1314	96.28327	0.499103	1
## 1315	101.54839	0.501934	1
## 1316	103.76996	0.938154	1
## 1317	137.12088	0.496416	1
## 1318	124.37769	0.469585	1
## 1319	122.64399	0.480895	1
## 1320	136.89325	0.359286	1
## 1321	116.90929	0.726795	1

## 1322	100.93058	0.544990	1
## 1323	117.58590	0.651845	1
## 1324	145.18883	0.487121	1
## 1325	92.64105	0.359520	1
## 1326	112.60188	0.494086	1
## 1327	110.80712	0.275111	1
## 1328	112.72020	0.742745	1
## 1329	119.88432	0.550520	1
## 1330	134.16951	0.890728	1
## 1331	112.78934	0.684079	1
## 1332	130.03726	0.849982	1
## 1333	124.09142	0.928008	1
## 1334	159.12938	0.570223	1
## 1335	126.42460	0.815384	-1
## 1336	94.34141	0.553071	-1
## 1337	144.93983	0.757716	-1
## 1338	133.77953	0.901112	-1
## 1339	136.69832	0.696544	-1
## 1340	138.44319	0.672176	-1
## 1341	135.94290	0.379029	-1
## 1342	140.69360	0.322508	-1
## 1343	138.01178	0.755867	-1
## 1344	153.04843	0.751638	-1
## 1345	153.46669	0.879965	-1
## 1346	156.85831	0.767097	-1
## 1347	140.74927	0.768677	-1
## 1348	95.03434	0.828567	-1
## 1349	98.63127	0.631635	-1
## 1350	122.44221	0.814830	-1
## 1351	181.23155	0.992976	1
## 1352	163.39070	0.703414	1
## 1353	161.59563	0.247767	1
## 1354	100.42217	0.275849	1
## 1355	104.64624	0.617001	1
## 1356	106.58832	0.290880	1
## 1357	106.78586	0.869940	1
## 1358	114.11627	0.775862	1
## 1359	120.68085	0.796867	1
## 1360	127.02020	0.835600	1
## 1361	113.08649	0.768226	1
## 1362	112.92720	0.690859	1
## 1363	132.69045	0.885829	1
## 1364	119.61646	0.345545	1
## 1365	141.79105	0.576117	1
## 1366	105.74076	0.638077	1
## 1367	108.03417	0.860803	1
## 1368	125.56706	0.620578	1
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## 1370	112.73408	0.911290	1
## 1371	108.69803	0.832619	1
## 1372	105.65418	0.902831	1
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## 1375	142.12834	0.566475	1

## 1376	116.88428	0.337764	1
## 1377	102.53275	0.408574	1
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## 1380	89.00877	0.493784	1
## 1381	116.34673	0.690748	1
## 1382	115.27318	0.805816	1
## 1383	126.16062	0.835967	1
## 1384	120.18282	0.768167	1
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## 1386	118.58437	0.885186	1
## 1387	125.54293	0.345704	1
## 1388	137.95927	0.576314	1
## 1389	114.36452	0.637282	1
## 1390	98.20303	0.858366	1
## 1391	122.18697	0.621969	1
## 1392	123.27232	0.919871	1
## 1393	87.55650	0.565959	1
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## 1408	110.34595	0.662525	-1
## 1409	150.55702	0.862569	-1
## 1410	149.25220	0.877933	-1
## 1411	137.70900	0.848565	-1
## 1412	138.99112	0.487783	-1
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## 1447	117.92950	0.319903	1
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## 1449	107.47645	0.713529	1
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## 1451	115.34678	0.399944	1
## 1452	101.34459	0.444761	1
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## 1689	135.06360	0.763869	-1
## 1690	149.31277	0.781741	-1
## 1691	135.00777	0.819734	-1
## 1692	113.21574	0.809237	-1
## 1693	131.16798	0.819853	-1
## 1694	124.72860	0.704672	-1
## 1695	150.24945	0.827359	-1
## 1696	119.10414	0.868705	-1
## 1697	91.16705	0.745668	-1
## 1698	121.27649	0.773531	-1
## 1699	108.13458	0.823844	-1

## 1700	121.61142	0.626356	-1
## 1701	145.78126	0.768228	-1
## 1702	136.41791	0.784082	-1
## 1703	151.05328	0.791366	-1
## 1704	153.05476	0.841535	-1
## 1705	142.09651	0.863496	-1
## 1706	144.93053	0.785457	-1
## 1707	149.01741	0.856882	-1
## 1708	145.55792	0.972753	-1
## 1709	149.96194	0.877610	-1
## 1710	151.49457	0.895477	-1
## 1711	138.42221	0.781190	-1
## 1712	155.69736	0.901482	-1
## 1713	138.36699	0.767814	-1
## 1714	144.18678	0.807498	-1
## 1715	148.05426	0.827560	-1
## 1716	149.15887	0.864113	-1
## 1717	131.72192	0.790398	-1
## 1718	144.54399	0.953701	-1
## 1719	141.99265	0.735375	-1
## 1720	117.63127	0.753140	-1
## 1721	102.90415	0.704608	-1
## 1722	108.66100	0.980336	-1
## 1723	113.78971	0.745479	-1
## 1724	114.14629	0.862821	-1
## 1725	84.49742	0.349832	-1
## 1726	111.14125	0.541607	1
## 1727	89.74686	0.536642	1
## 1728	80.29121	0.551683	1
## 1729	78.91883	0.810073	1
## 1730	109.61655	0.923050	1
## 1731	66.35435	0.517216	1
## 1732	96.84422	0.660253	1
## 1733	109.85510	0.531854	1
## 1734	94.60850	0.573924	1
## 1735	127.86633	0.598588	1
## 1736	119.16439	0.698655	1
## 1737	111.57905	0.557361	1
## 1738	126.83039	0.530529	1
## 1739	114.34174	0.486939	1
## 1740	100.63694	0.320241	1
## 1741	102.88313	0.286904	1
## 1742	109.40577	0.493666	1
## 1743	134.99443	0.807681	1
## 1744	114.89257	0.375373	1
## 1745	102.76923	0.357629	1
## 1746	89.12541	0.308516	1
## 1747	114.07878	0.606022	1
## 1748	106.84958	0.616707	1
## 1749	104.33250	0.875366	1
## 1750	133.31604	0.421465	1
## 1751	133.98747	0.777599	1
## 1752	98.30293	0.224746	1
## 1753	123.75017	0.812467	1

## 1754	98.38878	0.587789	1
## 1755	105.52297	0.546719	1
## 1756	108.99731	0.859444	1
## 1757	108.74400	0.737490	1
## 1758	105.88240	0.785809	1
## 1759	147.73791	0.743299	1
## 1760	135.08241	0.278713	1
## 1761	127.99205	0.687792	1
## 1762	117.58353	0.463759	1
## 1763	82.69504	0.276271	1
## 1764	83.13119	0.471335	1
## 1765	91.06371	0.264706	1
## 1766	95.60051	0.519419	1
## 1767	126.39806	0.425691	1
## 1768	82.23366	0.430726	1
## 1769	103.94690	0.317393	1
## 1770	80.35808	0.267753	1
## 1771	95.13658	0.377094	1
## 1772	77.21506	0.437270	1
## 1773	79.80389	0.313074	1
## 1774	76.45867	0.551661	1
## 1775	81.47943	0.403635	1
## 1776	88.89161	0.444983	1
## 1777	94.27165	0.506239	1
## 1778	93.88644	0.939348	1
## 1779	127.55878	0.807599	1
## 1780	126.73142	0.835928	1
## 1781	117.29728	0.769559	1
## 1782	118.16210	0.684105	1
## 1783	122.90696	0.882497	1
## 1784	124.79834	0.345193	1
## 1785	138.36693	0.576340	1
## 1786	107.19354	0.636557	1
## 1787	105.73708	0.861626	1
## 1788	118.73999	0.620198	1
## 1789	119.85435	0.764665	1
## 1790	104.84389	0.504154	1
## 1791	87.65552	0.529501	1
## 1792	147.40022	0.580081	1
## 1793	137.41432	0.789267	-1
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## 1795	148.86523	0.670413	-1
## 1796	149.15451	0.790718	-1
## 1797	138.46400	0.475158	-1
## 1798	135.31551	0.797063	-1
## 1799	133.18050	0.786721	-1
## 1800	126.26903	0.531020	-1
## 1801	131.91362	0.793828	-1
## 1802	137.37550	0.542566	-1
## 1803	138.80139	0.446731	-1
## 1804	143.93320	0.364381	-1
## 1805	146.46271	0.817292	-1
## 1806	144.92835	0.855774	-1
## 1807	146.39302	0.811309	-1

## 1808	143.18460	0.883174	-1
## 1809	145.16429	0.847715	-1
## 1810	115.85578	0.760867	-1
## 1811	104.08035	0.850612	-1
## 1812	113.32806	0.818238	-1
## 1813	144.42429	0.840490	-1
## 1814	148.96324	0.822344	-1
## 1815	145.33200	0.846133	-1
## 1816	120.19810	0.688383	-1
## 1817	145.12988	0.839010	-1
## 1818	119.33639	0.819575	-1
## 1819	125.29299	0.563863	-1
## 1820	132.38069	0.785544	-1
## 1821	146.42889	0.855852	-1
## 1822	138.49229	0.834770	-1
## 1823	142.50871	0.807137	-1
## 1824	125.68378	0.347163	-1
## 1825	130.12869	0.535063	-1
## 1826	105.97336	0.528031	-1
## 1827	108.08155	0.830994	1
## 1828	98.22309	0.492610	1
## 1829	90.12157	0.471105	1
## 1830	87.13053	0.492773	1
## 1831	120.30441	0.357640	1
## 1832	151.09245	0.731606	1
## 1833	114.82569	0.549579	1
## 1834	110.06774	0.651512	1
## 1835	121.82407	0.487413	1
## 1836	110.86210	0.359033	1
## 1837	123.93243	0.494558	1
## 1838	145.70415	0.279717	1
## 1839	117.16999	0.742576	1
## 1840	113.99429	0.553381	1
## 1841	117.30240	0.889380	1
## 1842	106.35400	0.314800	1
## 1843	135.55727	0.278413	1
## 1844	122.85748	0.618169	1
## 1845	108.29184	0.291676	1
## 1846	122.52187	0.754010	1
## 1847	94.96408	0.408114	1
## 1848	115.17696	0.671127	1
## 1849	118.03841	0.644834	1
## 1850	84.52964	0.260815	1
## 1851	132.33096	0.718764	1
## 1852	121.84249	0.589617	1
## 1853	131.73045	0.499317	1
## 1854	119.84353	0.671880	1
## 1855	86.35582	0.358801	1
## 1856	103.22529	0.605605	1
## 1857	97.84665	0.626664	1
## 1858	120.47751	0.620649	1
## 1859	120.08320	0.497610	1
## 1860	116.81432	0.437176	1
## 1861	101.12160	0.726866	1

## 1862	105.63379	0.434760	1
## 1863	112.10732	0.503063	1
## 1864	115.13857	0.392617	1
## 1865	114.57750	0.540155	1
## 1866	142.08440	0.323579	1
## 1867	137.44710	0.408382	1
## 1868	133.94748	0.397424	1
## 1869	138.43268	0.371743	1
## 1870	144.84322	0.372710	1
## 1871	130.54904	0.779878	1
## 1872	126.81239	0.315058	1
## 1873	104.32027	0.379618	1
## 1874	105.28317	0.706016	1
## 1875	117.80936	0.299613	1
## 1876	114.62444	0.397601	1
## 1877	87.17091	0.460210	1
## 1878	102.10060	0.739663	1
## 1879	123.05984	0.572915	1
## 1880	136.78789	0.796964	-1
## 1881	148.26628	0.722497	-1
## 1882	133.41293	0.608234	-1
## 1883	116.12871	0.404824	-1
## 1884	118.89568	0.451310	-1
## 1885	135.70279	0.763173	-1
## 1886	116.79880	0.937549	-1
## 1887	125.27200	0.795008	-1
## 1888	114.94645	0.445570	-1
## 1889	119.84582	0.637529	-1
## 1890	120.35147	0.706984	-1
## 1891	113.26241	0.576233	-1
## 1892	115.83218	0.404519	-1
## 1893	117.74165	0.772840	-1
## 1894	128.18123	0.359455	-1
## 1895	126.55525	0.784416	-1
## 1896	119.44002	0.798743	-1
## 1897	148.58670	0.785851	-1
## 1898	147.03033	0.776820	-1
## 1899	113.89410	0.824436	-1
## 1900	109.93160	0.864952	-1
## 1901	110.86456	0.835377	-1
## 1902	113.05214	0.886566	-1
## 1903	112.13465	0.826510	-1
## 1904	115.99299	0.831153	-1
## 1905	147.49596	0.710813	-1
## 1906	135.33681	0.906973	-1
## 1907	132.99092	0.937223	-1
## 1908	137.29985	0.232234	-1
## 1909	98.82371	0.322511	-1
## 1910	88.57055	0.437623	-1
## 1911	89.95059	0.600536	-1
## 1912	91.76315	0.522211	-1
## 1913	97.61452	0.667792	-1
## 1914	78.46659	0.345775	-1
## 1915	107.10259	0.525392	-1

## 1916	104.37363	0.604573	-1
## 1917	107.21108	0.459988	-1
## 1918	113.02223	0.486077	-1
## 1919	121.07379	0.467687	-1
## 1920	101.86379	0.059414	-1
## 1921	95.66600	0.282661	-1
## 1922	114.68048	0.229879	-1
## 1923	123.51331	0.263842	-1
## 1924	129.20616	0.377177	-1
## 1925	109.03994	0.353740	-1
## 1926	135.02582	0.486976	-1
## 1927	126.13732	0.448627	-1
## 1928	104.55722	0.789157	-1
## 1929	120.41454	0.451864	-1
## 1930	122.54687	0.284612	-1
## 1931	112.95335	0.580101	-1
## 1932	112.28630	0.340031	-1
## 1933	93.91704	0.405122	-1
## 1934	115.33903	0.589428	-1
## 1935	121.82022	0.460771	-1
## 1936	102.49439	0.490353	-1
## 1937	108.78643	0.689635	-1
## 1938	98.72052	0.446298	-1
## 1939	90.17457	0.307018	-1
## 1940	88.41087	0.333946	-1
## 1941	115.64535	0.777109	-1
## 1942	103.03201	0.279998	-1
## 1943	111.50793	0.652389	-1
## 1944	115.78430	0.487280	-1
## 1945	124.05881	0.523963	-1
## 1946	114.70458	0.690231	-1
## 1947	121.18755	0.536221	-1
## 1948	124.91214	0.605457	-1
## 1949	114.35229	0.706404	-1
## 1950	121.69409	0.745747	-1
## 1951	103.64967	0.900145	-1
## 1952	113.05600	0.908239	-1
## 1953	106.33740	0.858778	-1
## 1954	96.05933	0.742026	-1
## 1955	95.74299	0.417363	-1
## 1956	89.00423	0.337105	-1
## 1957	98.36722	0.323944	-1
## 1958	86.84327	0.434581	-1
## 1959	111.19688	0.437580	-1
## 1960	109.28253	0.865150	-1
## 1961	112.73919	0.537154	-1
## 1962	109.68333	0.536008	-1
## 1963	126.59132	0.341937	-1
## 1964	95.99900	0.543491	-1
## 1965	94.26775	0.322330	-1
## 1966	101.90087	0.859909	-1
## 1967	114.24814	0.350921	-1
## 1968	75.83057	0.727521	-1
## 1969	92.53855	0.781945	-1

## 1970	89.57545	0.891537	-1
## 1971	76.68482	0.825125	-1
## 1972	95.89063	0.464804	-1
## 1973	119.60772	0.629623	-1
## 1974	144.33472	0.975626	-1
## 1975	133.86621	0.863371	-1
## 1976	104.04276	0.530176	-1
## 1977	117.37408	0.839721	-1
## 1978	138.71408	0.854242	-1
## 1979	141.07547	0.788367	-1
## 1980	131.97073	0.823841	-1
## 1981	116.22056	0.870000	-1
## 1982	105.92915	0.515957	-1
## 1983	118.88604	0.693022	-1
## 1984	143.17584	0.788619	-1
## 1985	143.10701	0.975195	-1
## 1986	138.04802	0.846849	-1
## 1987	134.18195	0.763747	-1
## 1988	138.86114	0.806421	-1
## 1989	133.34726	0.517602	-1
## 1990	143.25749	0.558516	-1
## 1991	116.71442	0.834805	-1
## 1992	143.72920	0.704255	-1
## 1993	141.70944	0.808881	-1
## 1994	134.17134	0.978179	-1
## 1995	141.41000	0.839675	-1
## 1996	131.87799	0.835582	-1
## 1997	120.43590	0.710948	-1
## 1998	130.48166	0.518198	-1
## 1999	140.63585	0.521109	-1
## 2000	133.05916	0.798908	-1
## 2001	159.55154	0.437204	-1
## 2002	153.65558	0.513118	-1
## 2003	156.59451	0.473301	-1
## 2004	143.07603	0.546721	-1
## 2005	155.45944	0.492157	-1
## 2006	131.32510	0.474577	-1
## 2007	153.42685	0.478934	-1
## 2008	145.02974	0.563297	-1
## 2009	129.89119	0.602840	-1
## 2010	139.79990	0.796367	-1
## 2011	141.22963	0.640597	-1
## 2012	146.09004	0.755272	-1
## 2013	148.55594	0.479132	-1
## 2014	130.70793	0.496758	-1
## 2015	128.43124	0.905670	-1
## 2016	112.31878	0.647541	-1
## 2017	127.59504	0.354312	-1
## 2018	122.44290	0.812408	-1
## 2019	138.64313	0.839275	-1
## 2020	125.09895	0.607867	-1
## 2021	87.39454	0.850071	-1
## 2022	94.95451	0.611497	-1
## 2023	111.13296	0.903064	1

## 2024	121.83298	0.572012	1
## 2025	111.20589	0.742074	1
## 2026	112.37255	0.804412	1
## 2027	98.74200	0.574114	1
## 2028	136.67149	0.550398	1
## 2029	129.92409	0.733591	1
## 2030	124.01701	0.479647	1
## 2031	130.84325	0.555000	1
## 2032	127.23662	0.848616	1
## 2033	121.49336	0.655614	1
## 2034	110.45550	0.716458	1
## 2035	115.91144	0.580514	1
## 2036	130.42017	0.425439	1
## 2037	130.44890	0.643793	1
## 2038	111.53029	0.557820	1
## 2039	121.98047	0.618325	1
## 2040	127.27202	0.620449	1
## 2041	117.34132	0.705165	1
## 2042	131.78265	0.860413	1
## 2043	125.20034	0.765348	1
## 2044	118.28640	0.542343	1
## 2045	114.70045	0.463354	1
## 2046	114.58659	0.364425	1
## 2047	132.16753	0.572556	1
## 2048	130.53944	0.503835	1
## 2049	124.04806	0.413306	1
## 2050	122.43803	0.444935	1
## 2051	131.64000	0.592047	1
## 2052	111.10928	0.702321	1
## 2053	112.36646	0.495102	1
## 2054	135.26114	0.503383	1
## 2055	126.06187	0.710130	1
## 2056	121.93671	0.675238	1
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## 2058	109.09128	0.862442	1
## 2059	99.03637	0.310626	1
## 2060	107.62823	0.277607	1
## 2061	108.15914	0.613282	1
## 2062	124.72622	0.296831	1
## 2063	114.42988	0.758834	1
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## 2065	107.17968	0.653606	1
## 2066	122.08100	0.710036	1
## 2067	99.55812	0.660975	1
## 2068	117.52221	0.807403	1
## 2069	112.32202	0.627464	1
## 2070	77.02721	0.636426	1
## 2071	98.58913	0.493967	1
## 2072	104.45995	0.374387	1
## 2073	93.91473	0.628164	1
## 2074	107.34154	0.652773	1
## 2075	96.93071	0.667889	1
## 2076	89.73109	0.502903	1
## 2077	93.03590	0.556936	1

## 2078	72.22355	0.532996	1
## 2079	87.83148	0.488763	1
## 2080	93.86007	0.228263	1
## 2081	104.20967	0.355352	1
## 2082	91.59370	0.380892	1
## 2083	102.00980	0.475866	1
## 2084	88.54909	0.380472	1
## 2085	105.76522	0.458900	1
## 2086	97.66219	0.801736	1
## 2087	106.66428	0.331151	1
## 2088	96.17033	0.606603	1
## 2089	119.30996	0.699694	-1
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## 2100	115.51756	0.654996	-1
## 2101	131.61714	0.641595	-1
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## 2110	139.14990	0.763122	-1
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## 2136	127.56059	0.884055	1
## 2137	122.39836	0.345489	1
## 2138	118.43738	0.574808	1
## 2139	115.62612	0.633970	1
## 2140	126.97224	0.862258	1
## 2141	125.16879	0.619183	1
## 2142	110.87587	0.635789	1
## 2143	124.61735	0.863355	1
## 2144	96.31310	0.733030	1
## 2145	105.05094	0.666166	1
## 2146	106.14823	0.595190	1
## 2147	118.48640	0.437629	1
## 2148	100.11832	0.426007	1
## 2149	104.59303	0.689866	1
## 2150	113.23113	0.440789	1
## 2151	94.44492	0.258218	1
## 2152	87.18372	0.378439	1
## 2153	93.14150	0.277015	1
## 2154	112.81454	0.688451	1
## 2155	115.69174	0.681497	1
## 2156	84.26648	0.583694	1
## 2157	108.85479	0.607426	1
## 2158	124.85766	0.872285	1
## 2159	103.58778	0.308888	1
## 2160	95.09654	0.916710	1
## 2161	87.55209	0.846537	1
## 2162	117.02203	0.854690	1
## 2163	113.84750	0.876867	1
## 2164	129.72966	0.899954	1
## 2165	84.57224	0.404940	1
## 2166	72.12676	0.788102	1
## 2167	100.88443	0.893944	1
## 2168	75.61281	0.789586	1
## 2169	106.28964	0.851021	1
## 2170	96.84990	0.347970	1
## 2171	115.40332	0.455576	1
## 2172	103.03378	0.604705	1
## 2173	100.47930	0.811044	1
## 2174	108.45922	0.720808	1
## 2175	116.79743	0.298393	1
## 2176	117.22159	0.256083	1
## 2177	101.31844	0.446900	1
## 2178	102.83772	0.487231	1
## 2179	91.94568	0.786016	1
## 2180	120.02997	0.314877	1
## 2181	105.42627	0.639695	1
## 2182	112.01400	0.502581	-1
## 2183	138.38592	0.504408	-1
## 2184	126.52676	0.639760	-1
## 2185	142.38980	0.590893	-1

## 2186	133.67587	0.381917	-1
## 2187	118.79662	0.447872	-1
## 2188	116.65939	0.761159	-1
## 2189	131.21860	0.939577	-1
## 2190	122.29089	0.788342	-1
## 2191	115.18285	0.436363	-1
## 2192	133.62676	0.636621	-1
## 2193	113.00221	0.709606	-1
## 2194	118.25807	0.569190	-1
## 2195	100.68787	0.417599	-1
## 2196	123.02807	0.771883	-1
## 2197	119.31541	0.361246	-1
## 2198	125.14049	0.777048	-1
## 2199	125.34686	0.886797	-1
## 2200	125.17782	0.948742	-1
## 2201	124.89138	0.920375	-1
## 2202	141.21919	0.787889	-1
## 2203	140.98084	0.604514	-1
## 2204	135.79590	0.713573	-1
## 2205	133.34695	0.737931	-1
## 2206	139.18440	0.635421	-1
## 2207	137.96060	0.629971	-1
## 2208	140.29343	0.734716	-1
## 2209	144.62846	0.941632	-1
## 2210	124.23678	0.838260	-1
## 2211	125.21562	0.480536	-1
## 2212	125.98642	0.885458	-1
## 2213	131.60091	0.375130	-1
## 2214	130.21315	0.427753	-1
## 2215	98.16619	0.679915	-1
## 2216	110.12688	0.607342	-1
## 2217	117.59769	0.529907	-1
## 2218	112.71397	0.571465	-1
## 2219	124.93905	0.597254	-1
## 2220	108.96491	0.701491	-1
## 2221	123.85484	0.554543	-1
## 2222	108.38755	0.533841	-1
## 2223	82.23309	0.489044	-1
## 2224	107.12632	0.820730	1
## 2225	126.19960	0.909156	1
## 2226	99.87012	0.830119	1
## 2227	111.36787	0.899990	1
## 2228	90.62090	0.473322	1
## 2229	95.66354	0.362408	1
## 2230	87.83954	0.319747	1
## 2231	85.20293	0.398158	1
## 2232	97.80145	0.627902	1
## 2233	79.29327	0.580959	1
## 2234	106.75217	0.481764	1
## 2235	97.87753	0.667238	1
## 2236	110.64298	0.594748	1
## 2237	115.87990	0.500627	1
## 2238	128.99095	0.340296	1
## 2239	116.99911	0.488486	1

## 2240	115.40237	0.549656	1
## 2241	107.52554	0.369044	1
## 2242	124.98483	0.400656	1
## 2243	106.98219	0.565612	1
## 2244	123.50835	0.568528	1
## 2245	89.97146	0.471604	1
## 2246	111.97521	0.326140	1
## 2247	115.37357	0.498977	1
## 2248	98.18035	0.349582	1
## 2249	110.44506	0.339174	1
## 2250	120.85362	0.622588	1
## 2251	111.02203	0.762397	1
## 2252	104.12734	0.613722	1
## 2253	111.21451	0.381406	1
## 2254	108.55103	0.339295	1
## 2255	122.30644	0.323131	1
## 2256	107.34857	0.439422	1
## 2257	140.05537	0.435798	1
## 2258	122.99435	0.862851	1
## 2259	121.53127	0.707993	1
## 2260	124.86979	0.836728	1
## 2261	105.10552	0.743959	1
## 2262	115.27457	0.535138	1
## 2263	101.47604	0.577744	1
## 2264	90.13983	0.412310	1
## 2265	81.16386	0.415603	1
## 2266	88.21667	0.819699	1
## 2267	101.14055	0.496325	1
## 2268	140.44661	0.533225	1
## 2269	131.27878	0.562321	1
## 2270	131.46568	0.375251	1
## 2271	108.63574	0.334964	1
## 2272	101.57920	0.479609	1
## 2273	118.22380	0.552614	1
## 2274	121.77426	0.361315	1
## 2275	103.81312	0.464567	1
## 2276	94.48647	0.693560	1
## 2277	92.34425	0.333899	1
## 2278	91.76452	0.733841	1
## 2279	88.64311	0.529909	1
## 2280	91.10184	0.464676	1
## 2281	90.57717	0.394643	1
## 2282	98.81071	0.449682	1
## 2283	104.62523	0.605760	1
## 2284	80.43081	0.343839	1
## 2285	84.75451	0.502052	1
## 2286	98.25169	0.494651	1
## 2287	128.83867	0.938688	1
## 2288	71.75404	0.676590	1
## 2289	83.62885	0.865693	1
## 2290	76.24935	0.683377	1
## 2291	68.88464	0.348479	1
## 2292	85.26083	0.378768	1
## 2293	97.01939	0.375087	1

## 2294	102.29653	0.544806	1
## 2295	93.17729	0.431303	1
## 2296	129.33160	0.658521	1
## 2297	115.11493	0.600843	1
## 2298	110.69869	0.697133	-1
## 2299	129.22810	0.437871	-1
## 2300	129.07211	0.557111	-1
## 2301	126.86871	0.494035	-1
## 2302	134.13277	0.627523	-1
## 2303	127.50269	0.933741	-1
## 2304	128.01776	0.893546	-1
## 2305	131.51205	0.797103	-1
## 2306	114.13250	0.794743	-1
## 2307	130.25125	0.832520	-1
## 2308	123.07225	0.839546	-1
## 2309	133.78415	0.475708	-1
## 2310	147.93240	0.930135	-1
## 2311	131.79941	0.609999	-1
## 2312	116.80305	0.902934	-1
## 2313	142.63260	0.799565	-1
## 2314	133.62909	0.632676	-1
## 2315	150.47896	0.672329	-1
## 2316	150.87860	0.748416	-1
## 2317	118.55325	0.546132	-1
## 2318	122.61899	0.795653	-1
## 2319	116.30853	0.630597	-1
## 2320	144.98036	0.669936	-1
## 2321	131.59566	0.759179	-1
## 2322	147.81520	0.749675	-1
## 2323	122.51299	0.659527	-1
## 2324	130.02617	0.704162	-1
## 2325	129.67920	0.419900	-1
## 2326	145.32861	0.594297	-1
## 2327	125.76605	0.479955	-1
## 2328	128.65723	0.702890	-1
## 2329	138.81143	0.701216	-1
## 2330	135.99535	0.545956	-1
## 2331	134.52769	0.698761	-1
## 2332	136.54315	0.648122	-1
## 2333	144.69138	0.479038	-1
## 2334	142.41048	0.489730	-1
## 2335	145.06818	0.388772	-1
## 2336	140.65718	0.316079	-1
## 2337	144.76836	0.463217	-1
## 2338	104.20911	0.874192	1
## 2339	111.50309	0.693925	1
## 2340	109.82411	0.764200	1
## 2341	111.78075	0.849041	1
## 2342	95.06945	0.647990	1
## 2343	121.91994	0.866759	1
## 2344	88.81714	0.731601	1
## 2345	138.96005	0.698414	1
## 2346	98.43908	0.588028	1
## 2347	90.92206	0.467402	1

## 2348	87.95677	0.418080	1
## 2349	92.29187	0.689350	1
## 2350	93.94045	0.439921	1
## 2351	76.68995	0.266856	1
## 2352	76.30496	0.379261	1
## 2353	109.28240	0.288807	1
## 2354	109.76984	0.703111	1
## 2355	87.84055	0.674118	1
## 2356	86.14219	0.571939	1
## 2357	104.59611	0.613844	1
## 2358	118.04452	0.875638	1
## 2359	99.86877	0.572583	1
## 2360	78.60613	0.390015	1
## 2361	86.31490	0.354727	1
## 2362	81.53480	0.347792	1
## 2363	79.37500	0.468272	1
## 2364	84.74509	0.482465	1
## 2365	88.53291	0.869153	1
## 2366	125.79188	0.811652	1
## 2367	125.23114	0.837517	1
## 2368	112.10922	0.780120	1
## 2369	122.94560	0.687315	1
## 2370	124.27286	0.889631	1
## 2371	127.79556	0.341472	1
## 2372	127.36831	0.585197	1
## 2373	113.57332	0.634104	1
## 2374	115.20827	0.860833	1
## 2375	118.90836	0.646614	1
## 2376	98.84824	0.821697	1
## 2377	112.44558	0.407053	1
## 2378	87.67575	0.621120	-1
## 2379	109.03126	0.374191	-1
## 2380	105.69595	0.317214	-1
## 2381	115.25201	0.458656	-1
## 2382	142.13359	0.402813	-1
## 2383	131.56451	0.816193	-1
## 2384	148.16625	0.963250	-1
## 2385	129.88969	0.754978	-1
## 2386	120.99855	0.891628	-1
## 2387	135.32817	0.543931	-1
## 2388	135.95032	0.660788	-1
## 2389	114.84287	0.376441	-1
## 2390	122.16290	0.563350	-1
## 2391	95.23439	0.491306	-1
## 2392	118.12681	0.623974	-1
## 2393	138.39046	0.871097	-1
## 2394	131.93901	0.736599	-1
## 2395	124.82209	0.766607	-1
## 2396	129.40982	0.908942	-1
## 2397	96.33102	0.691161	-1
## 2398	129.47807	0.578125	-1
## 2399	127.12038	0.759440	-1
## 2400	128.42770	0.908388	-1
## 2401	114.15308	0.682162	-1

## 2402	114.01018	0.718338	-1
## 2403	113.79340	0.730845	1
## 2404	117.68269	0.498690	1
## 2405	127.44930	0.470396	1
## 2406	123.54061	0.491152	1
## 2407	142.58777	0.379757	1
## 2408	122.50809	0.737406	1
## 2409	114.18176	0.566733	1
## 2410	109.72295	0.654007	1
## 2411	132.06314	0.488542	1
## 2412	125.52378	0.368286	1
## 2413	94.63779	0.500143	1
## 2414	124.93085	0.294775	1
## 2415	111.42017	0.740748	1
## 2416	122.45503	0.542640	1
## 2417	128.82753	0.888032	1
## 2418	125.80920	0.828901	1
## 2419	96.92441	0.372691	1
## 2420	105.38507	0.271864	1
## 2421	92.23749	0.832191	1
## 2422	99.21619	0.524541	1
## 2423	88.11819	0.344334	1
## 2424	103.10695	0.498594	1
## 2425	97.91765	0.832414	1
## 2426	102.70053	0.341219	1
## 2427	83.62281	0.359961	1
## 2428	86.78940	0.869786	1
## 2429	84.04255	0.431264	1
## 2430	140.67452	0.306515	1
## 2431	108.13312	0.584430	1
## 2432	113.04694	0.617080	1
## 2433	102.00707	0.703189	1
## 2434	98.59916	0.431315	1
## 2435	113.06027	0.809300	1
## 2436	92.36161	0.847119	1
## 2437	130.09885	0.354748	1
## 2438	120.86514	0.263721	1
## 2439	101.53519	0.375066	1
## 2440	112.45691	0.404972	1
## 2441	105.72183	0.340089	1
## 2442	111.70138	0.586499	1
## 2443	127.37980	0.535060	1
## 2444	144.57350	0.317991	1
## 2445	124.59734	0.405648	1
## 2446	145.06656	0.398712	1
## 2447	145.11926	0.364607	1
## 2448	136.98204	0.376177	1
## 2449	124.55971	0.776553	1
## 2450	102.35222	0.309567	1
## 2451	116.58456	0.383861	1
## 2452	118.44768	0.715091	1
## 2453	107.52900	0.297283	1
## 2454	114.82653	0.400109	1
## 2455	99.75921	0.463910	1

## 2456	129.46368	0.741920	1
## 2457	123.57702	0.362512	1
## 2458	127.28861	0.624388	1
## 2459	117.90615	0.731895	-1
## 2460	147.26417	0.822050	-1
## 2461	147.38745	0.773096	-1
## 2462	134.90048	0.814961	-1
## 2463	143.10805	0.925531	-1
## 2464	142.99175	0.585552	-1
## 2465	141.11401	0.765217	-1
## 2466	130.16489	0.784616	-1
## 2467	118.58122	0.650766	-1
## 2468	123.96805	0.553535	-1
## 2469	140.99757	0.563642	-1
## 2470	145.10753	0.740418	-1
## 2471	148.67258	0.815684	-1
## 2472	135.65303	0.837558	-1
## 2473	151.73438	0.366357	-1
## 2474	144.27004	0.731103	-1
## 2475	132.74646	0.664265	-1
## 2476	109.39886	0.504151	-1
## 2477	104.71856	0.864354	1
## 2478	141.54987	0.428982	1
## 2479	125.39291	0.673673	1
## 2480	116.91564	0.642892	1
## 2481	124.71029	0.289341	1
## 2482	118.50627	0.717778	1
## 2483	109.82777	0.583108	1
## 2484	135.98935	0.504267	1
## 2485	105.17254	0.692430	1
## 2486	98.95232	0.412892	1
## 2487	105.36351	0.602132	1
## 2488	121.35291	0.626262	1
## 2489	114.38725	0.622479	1
## 2490	121.65359	0.535929	1
## 2491	93.39825	0.467756	1
## 2492	108.03879	0.321969	1
## 2493	80.98696	0.340793	1
## 2494	126.01902	0.777605	1
## 2495	96.72515	0.311412	1
## 2496	121.56499	0.666126	1
## 2497	127.03725	0.489198	1
## 2498	132.41977	0.521105	1
## 2499	136.03966	0.683533	1
## 2500	122.23807	0.599085	1
## 2501	105.56678	0.707175	1
## 2502	107.53941	0.824963	1
## 2503	100.86700	0.910423	1
## 2504	98.57626	0.832062	1
## 2505	116.57548	0.904454	1
## 2506	84.69420	0.468888	1
## 2507	94.85283	0.310210	1
## 2508	96.54112	0.618310	1
## 2509	82.80755	0.326530	1

## 2510	116.07387	0.763061	1
## 2511	108.10149	0.689204	1
## 2512	116.10085	0.847978	1
## 2513	127.68657	0.746883	1
## 2514	127.97085	0.576659	1
## 2515	127.69937	0.711263	1
## 2516	130.97021	0.431363	1
## 2517	109.02063	0.444272	1
## 2518	117.94367	0.845466	1
## 2519	116.54701	0.578676	1
## 2520	97.40303	0.529933	1
## 2521	95.90633	0.559675	1
## 2522	86.77765	0.363494	1
## 2523	87.62532	0.286032	1
## 2524	108.27332	0.529004	1
## 2525	89.30074	0.800827	1
## 2526	111.55214	0.393069	1
## 2527	118.11516	0.375542	1
## 2528	131.60651	0.326314	1
## 2529	115.78596	0.607446	1
## 2530	118.01547	0.627059	1
## 2531	111.87737	0.877992	1
## 2532	77.83750	0.449370	1
## 2533	87.50057	0.772571	1
## 2534	99.72240	0.224351	1
## 2535	131.63924	0.812517	1
## 2536	105.93946	0.586655	1
## 2537	121.67435	0.736533	1
## 2538	94.97211	0.814256	1
## 2539	93.56685	0.821059	1
## 2540	136.40445	0.728916	-1
## 2541	141.98680	0.339457	-1
## 2542	149.44757	0.504870	-1
## 2543	126.37235	0.739143	-1
## 2544	126.84360	0.609100	-1
## 2545	104.12047	0.822440	-1
## 2546	91.42076	0.517799	-1
## 2547	132.27554	0.758807	-1
## 2548	131.03690	0.427780	-1
## 2549	123.84154	0.591951	-1
## 2550	133.47586	0.892247	-1
## 2551	128.41751	0.827039	-1
## 2552	128.55724	0.370232	-1
## 2553	120.24179	0.406702	-1
## 2554	119.45376	0.410421	-1
## 2555	105.09901	0.417999	-1
## 2556	114.36988	0.439927	-1
## 2557	123.98553	0.742274	-1
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## 2559	105.21813	0.784012	-1
## 2560	132.93634	0.739910	-1
## 2561	131.88702	0.631984	-1
## 2562	145.86955	0.803005	-1
## 2563	143.02783	0.595251	-1

## 2564	108.25674	0.630249	-1
## 2565	129.35292	0.496323	-1
## 2566	125.69621	0.546199	-1
## 2567	128.83031	0.518436	-1
## 2568	142.68823	0.495311	-1
## 2569	145.64006	0.796117	-1
## 2570	139.08363	0.764364	-1
## 2571	135.48151	0.549994	-1
## 2572	136.78325	0.298278	-1
## 2573	119.81220	0.592789	-1
## 2574	145.83864	0.902573	-1
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## 2576	136.29849	0.855568	-1
## 2577	110.28320	0.671686	-1
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## 2580	139.13223	0.837036	-1
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## 2583	149.66661	0.601411	-1
## 2584	138.70511	0.524631	-1
## 2585	130.10034	0.358692	-1
## 2586	123.06140	0.550531	-1
## 2587	130.03836	0.513626	-1
## 2588	144.78360	0.856310	-1
## 2589	126.45220	0.476048	-1
## 2590	131.11743	0.773318	-1
## 2591	149.03593	0.771797	-1
## 2592	146.32101	0.707520	-1
## 2593	139.49442	0.830805	-1
## 2594	130.92526	0.589752	-1
## 2595	119.75166	0.468640	-1
## 2596	117.42283	0.479037	-1
## 2597	106.04897	0.380121	-1
## 2598	107.25123	0.738755	-1
## 2599	112.32073	0.569111	1
## 2600	119.09671	0.672047	1
## 2601	129.87482	0.423345	1
## 2602	137.72855	0.407470	1
## 2603	100.07976	0.499006	1
## 2604	120.45241	0.302744	1
## 2605	134.47301	0.746043	1
## 2606	117.68604	0.542488	1
## 2607	111.75445	0.880387	1
## 2608	115.04649	0.449901	1
## 2609	116.31233	0.490545	1
## 2610	113.60108	0.715682	1
## 2611	121.18537	0.361513	1
## 2612	121.41993	0.641328	1
## 2613	79.17375	0.610201	1
## 2614	76.97388	0.412363	1
## 2615	78.15292	0.444368	1
## 2616	74.17487	0.344099	1
## 2617	70.58526	0.644529	1

## 2618	84.55798	0.533762	1
## 2619	108.58092	0.570795	1
## 2620	116.85436	0.825006	1
## 2621	108.19193	0.622286	1
## 2622	101.27164	0.403370	1
## 2623	120.39417	0.347178	1
## 2624	106.90371	0.365370	1
## 2625	98.85086	0.470119	1
## 2626	106.34002	0.483040	1
## 2627	109.12875	0.858793	1
## 2628	95.50197	0.807387	1
## 2629	122.06245	0.836465	1
## 2630	124.37439	0.781036	1
## 2631	117.76771	0.686508	1
## 2632	122.36731	0.889994	1
## 2633	113.12244	0.343998	1
## 2634	126.78680	0.585869	1
## 2635	126.20771	0.630747	1
## 2636	118.48680	0.864453	1
## 2637	127.62735	0.645467	1
## 2638	115.83759	0.316227	1
## 2639	115.23880	0.914394	1
## 2640	116.94650	0.841473	1
## 2641	104.10641	0.861238	1
## 2642	84.07578	0.888658	1
## 2643	98.74809	0.906265	1
## 2644	103.23270	0.420607	1
## 2645	84.10674	0.798429	1
## 2646	95.91516	0.889678	1
## 2647	117.31231	0.775302	1
## 2648	99.13644	0.846693	1
## 2649	100.95919	0.452187	1
## 2650	108.67808	0.606929	1
## 2651	129.41205	0.741450	-1
## 2652	103.09255	0.762380	-1
## 2653	105.80868	0.725002	-1
## 2654	95.69080	0.765218	-1
## 2655	112.87255	0.792162	-1
## 2656	118.32526	0.853622	-1
## 2657	114.85263	0.734662	-1
## 2658	118.18467	0.795111	-1
## 2659	122.18893	0.776652	-1
## 2660	116.38366	0.772875	-1
## 2661	122.27884	0.760231	-1
## 2662	98.31589	0.732375	-1
## 2663	109.80120	0.712873	-1
## 2664	123.32287	0.759525	-1
## 2665	101.68231	0.880544	-1
## 2666	83.88991	0.788522	-1
## 2667	110.14809	0.855193	-1
## 2668	85.44321	0.836293	-1
## 2669	95.57912	0.865140	-1
## 2670	92.01597	0.876516	-1
## 2671	91.41122	0.822786	-1

## 2672	92.97675	0.747842	-1
## 2673	106.15218	0.814464	-1
## 2674	95.76043	0.776421	-1
## 2675	117.22758	0.988093	-1
## 2676	140.37276	0.822751	-1
## 2677	142.42940	0.980036	-1
## 2678	118.50027	0.577294	-1
## 2679	117.73016	0.597650	-1
## 2680	122.55067	0.703238	-1
## 2681	118.02456	0.814008	-1
## 2682	117.20330	0.617090	-1
## 2683	112.94727	0.581941	-1
## 2684	116.19469	0.596685	-1
## 2685	115.60860	0.297622	-1
## 2686	129.79129	0.407141	-1
## 2687	136.40514	0.416690	-1
## 2688	144.65269	0.788370	-1
## 2689	136.12750	0.981578	-1
## 2690	137.31282	0.638910	-1
## 2691	136.28267	0.866971	-1
## 2692	126.40264	0.589410	-1
## 2693	113.72919	0.832091	-1
## 2694	115.21743	0.779557	-1
## 2695	113.00028	0.817173	-1
## 2696	114.06010	0.870198	-1
## 2697	100.07552	0.737744	-1
## 2698	128.41962	0.800494	-1
## 2699	143.66046	0.674615	-1
## 2700	147.51379	0.725624	-1
## 2701	142.28560	0.767741	-1
## 2702	134.53415	0.667140	-1
## 2703	148.73140	0.676520	-1
## 2704	127.54911	0.768563	-1
## 2705	142.38693	0.715620	-1
## 2706	135.63074	0.909003	-1
## 2707	120.25692	0.838504	-1
## 2708	144.49358	0.581201	-1
## 2709	147.28400	0.472154	-1
## 2710	145.50951	0.748438	-1
## 2711	143.67294	0.429312	-1
## 2712	140.25595	0.540442	-1
## 2713	137.94096	0.380222	-1
## 2714	133.09992	0.447473	-1
## 2715	149.23721	0.440979	-1
## 2716	139.01006	0.464202	-1
## 2717	135.87489	0.743439	-1
## 2718	96.10258	0.639170	-1
## 2719	117.91921	0.641532	-1
## 2720	127.52214	0.875715	-1
## 2721	126.42822	0.599629	-1
## 2722	131.17363	0.842477	-1
## 2723	125.57629	0.775114	-1
## 2724	125.81953	0.813709	-1
## 2725	123.50510	0.859394	-1

## 2726	123.08292	0.725117	-1
## 2727	129.61897	0.778770	-1
## 2728	110.46044	0.741005	-1
## 2729	112.74448	0.650829	-1
## 2730	104.89437	0.689758	-1
## 2731	143.49661	0.839388	-1
## 2732	137.64813	0.376775	-1
## 2733	133.81137	0.702247	-1
## 2734	131.12772	0.352149	-1
## 2735	147.84036	0.263427	-1
## 2736	121.33317	0.330160	-1
## 2737	124.71515	0.404184	-1
## 2738	131.75885	0.355739	-1
## 2739	145.16025	0.584198	-1
## 2740	135.41489	0.844702	-1
## 2741	124.27674	0.359260	1
## 2742	119.32666	0.465325	1
## 2743	125.59914	0.608993	1
## 2744	112.83675	0.824456	1
## 2745	107.79041	0.725790	1
## 2746	113.19705	0.312234	1
## 2747	100.70007	0.258543	1
## 2748	102.65458	0.451649	1
## 2749	126.79709	0.480976	1
## 2750	106.35705	0.539339	1
## 2751	99.06480	0.316796	1
## 2752	107.71865	0.405697	1
## 2753	135.84802	0.394316	1
## 2754	125.49529	0.369338	1
## 2755	143.78436	0.376439	1
## 2756	147.03659	0.780688	1
## 2757	138.75110	0.310379	1
## 2758	146.42717	0.382255	1
## 2759	101.00474	0.715357	1
## 2760	126.33155	0.296879	1
## 2761	113.59364	0.400871	1
## 2762	128.47771	0.463749	1
## 2763	99.23887	0.903290	1
## 2764	116.65614	0.707109	1
## 2765	143.02240	0.820311	-1
## 2766	144.89403	0.876751	-1
## 2767	143.39247	0.521679	-1
## 2768	148.96094	0.648726	-1
## 2769	119.43063	0.358662	-1
## 2770	115.49908	0.532415	-1
## 2771	132.29024	0.470991	-1
## 2772	148.23590	0.612907	-1
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## 2779	138.60913	0.401459	-1

## 2780	140.77708	0.534023	-1
## 2781	143.25238	0.432795	-1
## 2782	119.78343	0.397805	-1
## 2783	142.51421	0.428588	-1
## 2784	130.76663	0.692681	-1
## 2785	140.53294	0.408509	-1
## 2786	130.02736	0.532574	-1
## 2787	138.21266	0.855510	-1
## 2788	140.43974	0.438367	-1
## 2789	129.93973	0.517404	-1
## 2790	112.68210	0.414594	-1
## 2791	112.07360	0.773524	-1
## 2792	136.02060	0.451083	-1
## 2793	140.81184	0.659638	-1
## 2794	131.91663	0.366569	-1
## 2795	115.92815	0.560210	-1
## 2796	134.32188	0.564223	-1
## 2797	142.82893	0.531087	-1
## 2798	142.64186	0.509706	-1
## 2799	129.01578	0.482614	-1
## 2800	133.16054	0.277044	-1
## 2801	136.47508	0.329497	-1
## 2802	133.90434	0.563249	-1
## 2803	137.70326	0.841351	-1
## 2804	139.50240	0.436878	-1
## 2805	136.62868	0.761363	-1
## 2806	140.78006	0.728212	-1
## 2807	136.17517	0.450662	-1
## 2808	121.67503	0.583066	-1
## 2809	125.58266	0.632501	-1
## 2810	117.57951	0.508811	-1
## 2811	131.62961	0.330428	-1
## 2812	134.47577	0.805608	-1
## 2813	149.40387	0.764314	-1
## 2814	106.79900	0.800415	-1
## 2815	127.59736	0.957526	-1
## 2816	98.16323	0.609141	-1
## 2817	103.07561	0.434477	-1
## 2818	94.49091	0.317905	-1
## 2819	121.45361	0.582180	-1
## 2820	128.21182	0.356315	-1
## 2821	127.23495	0.435409	-1
## 2822	121.81443	0.587923	-1
## 2823	138.11676	0.504261	-1
## 2824	100.61424	0.491928	-1
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## 2826	111.80969	0.745300	1
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## 2828	99.01994	0.911058	1
## 2829	98.26125	0.859088	1
## 2830	83.18591	0.488109	1
## 2831	86.18400	0.316777	1
## 2832	85.07748	0.624112	1
## 2833	127.34816	0.319658	1

## 2834	148.37166	0.764622	1
## 2835	91.59689	0.673861	1
## 2836	90.99914	0.716273	1
## 2837	81.67061	0.712865	1
## 2838	82.27334	0.700745	1
## 2839	97.90506	0.834165	1
## 2840	90.18855	0.641438	1
## 2841	87.68793	0.402150	1
## 2842	119.83308	0.737491	1
## 2843	106.29123	0.616338	1
## 2844	114.85581	0.625650	1
## 2845	105.17976	0.539383	1
## 2846	121.14761	0.713650	1
## 2847	122.47074	0.736653	1
## 2848	125.26857	0.737120	1
## 2849	128.04585	0.480815	1
## 2850	97.17446	0.805386	1
## 2851	105.37550	0.427938	1
## 2852	110.09003	0.675245	1
## 2853	126.90832	0.648763	1
## 2854	119.79341	0.298953	1
## 2855	109.53852	0.717018	1
## 2856	83.05956	0.591003	1
## 2857	122.61426	0.508601	1
## 2858	116.35044	0.690775	1
## 2859	92.77216	0.407517	1
## 2860	92.30033	0.601836	1
## 2861	102.66106	0.627876	1
## 2862	127.63752	0.622812	1
## 2863	120.89487	0.536973	1
## 2864	108.95264	0.729051	1
## 2865	123.80723	0.822549	1
## 2866	99.34772	0.906538	1
## 2867	126.46932	0.734769	1
## 2868	138.71458	0.438686	-1
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## 2871	137.16411	0.396985	1
## 2872	117.53365	0.352809	1
## 2873	119.52972	0.548886	1
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## 2875	143.89627	0.820904	1
## 2876	129.04146	0.756990	1
## 2877	129.20732	0.677845	1
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## 2887	118.27317	0.769237	1

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## 2892	100.39030	0.737227	1
## 2893	127.32411	0.575543	1
## 2894	114.88003	0.541701	1
## 2895	126.24679	0.695159	1
## 2896	121.61171	0.761945	1
## 2897	142.93802	0.462151	1
## 2898	145.83934	0.933458	1
## 2899	122.40221	0.782946	1
## 2900	134.64092	0.846165	1
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## 2902	147.59654	0.339644	1
## 2903	126.15327	0.612960	1
## 2904	113.09164	0.743036	1
## 2905	126.01186	0.811422	1
## 2906	141.34100	0.325469	1
## 2907	117.32677	0.271479	1
## 2908	101.62163	0.602777	1
## 2909	109.19876	0.813002	1
## 2910	104.10242	0.445673	1
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## 2915	143.83160	0.738928	1
## 2916	142.54666	0.573694	1
## 2917	141.87933	0.509878	1
## 2918	148.92198	0.456130	1
## 2919	153.30154	0.391268	1
## 2920	124.14555	0.873080	1
## 2921	136.81621	0.251507	1
## 2922	150.69791	0.786710	1
## 2923	143.47914	0.751977	1
## 2924	139.62936	0.922152	1
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## 2927	139.44650	0.793436	1
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## 2948	121.36750	0.722472	1
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## 2951	108.26840	0.582407	1
## 2952	127.38679	0.764635	1
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## 2956	136.93308	0.893267	1
## 2957	123.96069	0.750709	1
## 2958	112.40668	0.666309	1
## 2959	133.84520	0.777356	1
## 2960	136.69000	0.826292	1
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## 2962	131.31435	0.686990	1
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## 2964	116.27497	0.620065	1
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## 2968	132.09804	0.814394	-1
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## 3002	75.34268	0.356787	1
## 3003	78.49040	0.644172	1
## 3004	83.27982	0.609461	1
## 3005	81.88533	0.411214	1
## 3006	111.12324	0.438360	1
## 3007	102.04640	0.328670	1
## 3008	110.82426	0.648764	1
## 3009	120.71375	0.537869	1
## 3010	112.51023	0.573250	1
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## 3018	82.40251	0.313504	1
## 3019	117.50462	0.607020	1
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## 3022	133.70529	0.446362	1
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## 3039	120.37224	0.733215	1
## 3040	123.39585	0.600564	1
## 3041	111.05798	0.454027	1
## 3042	120.65813	0.662349	1
## 3043	114.29600	0.556203	1
## 3044	109.81025	0.621700	1
## 3045	127.51358	0.623824	1
## 3046	127.18604	0.710771	1
## 3047	135.88005	0.869932	1
## 3048	128.79622	0.782426	1
## 3049	125.80290	0.556098	1

## 3050	91.09844	0.662778	1
## 3051	92.74543	0.724511	1
## 3052	108.53786	0.651940	1
## 3053	101.93341	0.814741	1
## 3054	109.09492	0.646607	1
## 3055	89.92451	0.638204	1
## 3056	92.49691	0.510758	1
## 3057	64.25100	0.380145	1
## 3058	89.96105	0.676482	1
## 3059	101.37215	0.676668	1
## 3060	106.42660	0.681633	1
## 3061	96.05296	0.517628	1
## 3062	100.34259	0.533667	1
## 3063	86.03833	0.524901	1
## 3064	103.22977	0.475850	1
## 3065	98.11968	0.230079	1
## 3066	103.03229	0.361924	1
## 3067	104.76257	0.409951	1
## 3068	101.79345	0.478279	1
## 3069	86.61673	0.387212	1
## 3070	89.54187	0.491874	1
## 3071	115.25172	0.805935	1
## 3072	125.54727	0.836591	1
## 3073	117.55746	0.782088	1
## 3074	120.84278	0.689509	1
## 3075	122.92540	0.881184	1
## 3076	123.89429	0.342044	1
## 3077	138.95039	0.589178	1
## 3078	108.22772	0.636497	1
## 3079	103.00530	0.858062	1
## 3080	118.45290	0.642733	1
## 3081	122.55766	0.881444	1
## 3082	124.68334	0.773253	-1
## 3083	118.44540	0.643222	-1
## 3084	116.00420	0.750057	-1
## 3085	117.99091	0.766586	-1
## 3086	110.81625	0.661068	-1
## 3087	105.99564	0.585898	-1
## 3088	130.71069	0.618285	-1
## 3089	139.36499	0.847141	-1
## 3090	133.96532	0.747865	-1
## 3091	122.41516	0.729362	-1
## 3092	129.86209	0.951379	-1
## 3093	138.24593	0.897138	-1
## 3094	124.36102	0.849673	-1
## 3095	113.73171	0.841844	-1
## 3096	119.43394	0.859475	-1
## 3097	100.50590	0.607096	-1
## 3098	106.85706	0.836795	-1
## 3099	113.18117	0.747221	-1
## 3100	111.15293	0.667366	-1
## 3101	113.78995	0.829456	-1
## 3102	123.20018	0.858953	-1
## 3103	122.88159	0.868151	-1

## 3104	130.52145	0.838325	-1
## 3105	132.16432	0.686933	-1
## 3106	123.51831	0.700331	-1
## 3107	108.11752	0.742658	-1
## 3108	104.87642	0.585564	-1
## 3109	127.42699	0.888394	-1
## 3110	130.91658	0.747985	-1
## 3111	120.86822	0.707519	-1
## 3112	122.82916	0.795638	-1
## 3113	122.46141	0.681496	-1
## 3114	115.01968	0.548163	-1
## 3115	123.43367	0.821228	-1
## 3116	140.70941	0.951593	-1
## 3117	144.17403	0.778879	-1
## 3118	141.23190	0.831788	-1
## 3119	109.65885	0.709275	-1
## 3120	111.10345	0.930640	-1
## 3121	97.13013	0.579040	-1
## 3122	128.57739	0.735603	-1
## 3123	111.43931	0.402561	1
## 3124	97.30602	0.481663	1
## 3125	127.12687	0.422473	1
## 3126	122.75584	0.586912	1
## 3127	94.19285	0.721534	1
## 3128	121.88219	0.766901	1
## 3129	76.98403	0.757998	1
## 3130	130.85663	0.865823	1
## 3131	115.02541	0.518714	1
## 3132	114.52539	0.469207	1
## 3133	117.45309	0.501560	1
## 3134	138.31798	0.386846	1
## 3135	118.57331	0.739819	1
## 3136	130.04785	0.563734	1
## 3137	118.79324	0.659181	1
## 3138	95.58576	0.428519	1
## 3139	111.65288	0.408088	1
## 3140	115.10362	0.503795	1
## 3141	143.07724	0.301789	1
## 3142	113.03739	0.746839	1
## 3143	114.74442	0.547571	1
## 3144	119.26189	0.874248	1
## 3145	128.40279	0.537673	1
## 3146	137.43932	0.318541	1
## 3147	145.50320	0.404978	1
## 3148	135.88316	0.394820	1
## 3149	142.96318	0.365510	1
## 3150	143.05057	0.370363	1
## 3151	131.44304	0.778366	1
## 3152	121.00916	0.315172	1
## 3153	104.48425	0.383380	1
## 3154	103.82498	0.717334	1
## 3155	118.78553	0.297697	1
## 3156	115.50426	0.398076	1
## 3157	93.73431	0.455525	1

## 3158	119.56535	0.823595	1
## 3159	101.83173	0.911038	1
## 3160	96.11018	0.832247	1
## 3161	117.28252	0.901706	1
## 3162	85.93052	0.705097	1
## 3163	86.96998	0.442689	1
## 3164	79.26196	0.344419	1
## 3165	94.47875	0.354511	1
## 3166	90.81718	0.467262	1
## 3167	93.32478	0.482618	1
## 3168	86.31412	0.865869	1
## 3169	89.70566	0.722562	1
## 3170	87.11034	0.850485	1
## 3171	126.84785	0.750110	1
## 3172	136.51181	0.568376	1
## 3173	132.99236	0.717772	1
## 3174	130.55222	0.440717	1
## 3175	123.28268	0.448209	1
## 3176	112.48201	0.834247	1
## 3177	124.96846	0.578997	1
## 3178	97.66518	0.531589	1
## 3179	101.82721	0.560865	1
## 3180	88.35747	0.419042	1
## 3181	97.27994	0.675431	1
## 3182	100.28196	0.646881	1
## 3183	77.61571	0.291704	1
## 3184	83.83554	0.718391	1
## 3185	82.96932	0.594205	1
## 3186	134.56732	0.503704	1
## 3187	127.56217	0.692949	1
## 3188	110.85024	0.419010	1
## 3189	99.39135	0.601500	1
## 3190	108.51766	0.626510	1
## 3191	119.20851	0.621234	1
## 3192	123.21916	0.536052	1
## 3193	107.95187	0.696460	1
## 3194	111.84456	0.871262	1
## 3195	107.03406	0.915054	1
## 3196	126.21303	0.694700	-1
## 3197	123.14893	0.824525	-1
## 3198	126.79529	0.767996	-1
## 3199	120.27422	0.932182	-1
## 3200	116.40364	0.804951	-1
## 3201	116.71321	0.590199	-1
## 3202	110.80971	0.696616	-1
## 3203	121.93952	0.785478	-1
## 3204	109.04367	0.880311	-1
## 3205	126.36569	0.554299	-1
## 3206	115.91385	0.770274	-1
## 3207	100.60400	0.903764	-1
## 3208	101.74875	0.451584	-1
## 3209	112.59726	0.479792	-1
## 3210	115.61526	0.528133	-1
## 3211	123.26749	0.365740	-1

## 3212	141.29198	0.570845	-1
## 3213	134.56953	0.460622	-1
## 3214	139.83688	0.449069	-1
## 3215	125.08556	0.717605	-1
## 3216	116.56436	0.901961	-1
## 3217	117.98006	0.803883	-1
## 3218	97.32715	0.726604	-1
## 3219	98.41504	0.645189	-1
## 3220	124.49707	0.803172	-1
## 3221	127.46339	0.936154	-1
## 3222	122.72710	0.856664	-1
## 3223	142.70354	0.705827	-1
## 3224	115.58978	0.952108	-1
## 3225	124.43173	0.698784	-1
## 3226	116.65952	0.777917	-1
## 3227	119.56363	0.862191	-1
## 3228	122.19550	0.781992	-1
## 3229	120.06606	0.737270	-1
## 3230	119.10757	0.792496	-1
## 3231	118.17352	0.686510	-1
## 3232	117.56300	0.801544	-1
## 3233	105.47119	0.640614	-1
## 3234	117.67157	0.723389	-1
## 3235	134.01594	0.799477	-1
## 3236	143.15254	0.808663	-1
## 3237	140.81430	0.974366	-1
## 3238	144.23944	0.817484	-1
## 3239	143.24008	0.972849	-1
## 3240	142.64899	0.529318	-1
## 3241	129.21320	0.677603	-1
## 3242	142.18269	0.817052	-1
## 3243	137.25041	0.513032	-1
## 3244	124.86644	0.749926	-1
## 3245	137.51602	0.818668	-1
## 3246	138.40277	0.821858	-1
## 3247	129.40132	0.791457	-1
## 3248	104.98607	0.661236	-1
## 3249	147.72639	0.924328	-1
## 3250	141.65524	0.848707	-1
## 3251	160.74260	0.580215	-1
## 3252	133.11414	0.643690	-1
## 3253	132.99396	0.952981	-1
## 3254	129.04719	0.545167	-1
## 3255	138.50487	0.570116	-1
## 3256	136.89395	0.629833	-1
## 3257	129.21799	0.821226	-1
## 3258	141.99982	0.971657	-1
## 3259	142.96181	0.881690	-1
## 3260	135.92636	0.572150	-1
## 3261	136.50275	0.604892	-1
## 3262	112.80924	0.553644	-1
## 3263	133.57280	0.519913	-1
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## 3266	137.42973	0.452760	-1
## 3267	147.63808	0.647112	-1
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## 3299	135.75116	0.502048	-1
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## 3301	109.72342	0.969273	-1
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## 3319	123.90834	0.831736	1

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## 3329	118.44441	0.488340	1
## 3330	128.75520	0.376497	1
## 3331	103.99719	0.465206	1
## 3332	128.86624	0.409843	1
## 3333	121.90185	0.542717	1
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## 3345	113.50084	0.850767	1
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## 3359	109.53915	0.489902	1
## 3360	104.85268	0.526192	1
## 3361	120.63444	0.681599	1
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## 3392	85.23407	0.894126	1
## 3393	89.82002	0.420042	1
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## 3466	94.71733	0.497035	1
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## 3468	80.86214	0.616200	1
## 3469	96.37848	0.718969	1
## 3470	96.56774	0.624668	1
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## 3472	109.19892	0.791623	1
## 3473	100.64488	0.637751	1
## 3474	97.34672	0.787978	1
## 3475	112.53957	0.771023	1
## 3476	78.46956	0.720476	1
## 3477	89.05371	0.654373	1
## 3478	77.32314	0.598274	1
## 3479	128.55006	0.774565	1
## 3480	128.85967	0.447195	1
## 3481	121.78843	0.686132	1

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## 3486	114.18939	0.295451	1
## 3487	118.51133	0.531558	1
## 3488	129.15221	0.802417	1
## 3489	118.01572	0.368949	1
## 3490	100.13811	0.359614	1
## 3491	104.30128	0.320443	1
## 3492	114.79317	0.602739	1
## 3493	124.03116	0.628707	1
## 3494	123.34077	0.875749	1
## 3495	73.84858	0.442849	1
## 3496	95.80496	0.751852	1
## 3497	98.55679	0.227043	1
## 3498	130.38638	0.811841	1
## 3499	110.35841	0.589216	1
## 3500	112.91822	0.728683	1
## 3501	103.46686	0.861885	1
## 3502	98.65536	0.862838	1
## 3503	129.70175	0.358068	1
## 3504	103.89171	0.464030	1
## 3505	108.36063	0.617581	1
## 3506	131.11499	0.811040	1
## 3507	99.32748	0.721637	1
## 3508	114.74211	0.311740	1
## 3509	111.72367	0.256972	1
## 3510	108.20597	0.455431	1
## 3511	101.84526	0.485608	1
## 3512	110.08100	0.478429	1
## 3513	103.70836	0.724473	1
## 3514	109.15121	0.440113	1
## 3515	105.17111	0.503770	1
## 3516	106.94620	0.409210	1
## 3517	91.79906	0.668565	1
## 3518	97.99330	0.432487	1
## 3519	94.15071	0.342460	1
## 3520	94.37473	0.360927	1
## 3521	123.10586	0.476626	1
## 3522	102.11685	0.482943	1
## 3523	107.48434	0.868928	1
## 3524	115.21381	0.450634	1
## 3525	103.76511	0.484934	1
## 3526	88.51433	0.715767	1
## 3527	95.93272	0.360344	1
## 3528	120.98207	0.636666	1
## 3529	88.98875	0.607284	1
## 3530	87.49532	0.413569	1
## 3531	90.62289	0.444714	1
## 3532	81.63961	0.361138	1
## 3533	69.44062	0.639592	1
## 3534	109.68298	0.548938	1
## 3535	79.74761	0.568286	1

## 3536	77.26681	0.823080	1
## 3537	77.96970	0.730587	1
## 3538	87.41568	0.848372	1
## 3539	85.43893	0.751524	1
## 3540	120.91378	0.575183	1
## 3541	114.79572	0.717462	1
## 3542	126.83968	0.440285	1
## 3543	114.34647	0.446683	1
## 3544	105.18699	0.838452	1
## 3545	117.34734	0.584177	1
## 3546	132.41670	0.529345	1
## 3547	134.02069	0.558752	1
## 3548	120.15808	0.701936	1
## 3549	117.27400	0.849875	1
## 3550	117.86362	0.949365	1
## 3551	98.40480	0.342178	1
## 3552	104.07276	0.688878	1
## 3553	117.98153	0.823376	1
## 3554	128.41332	0.936053	1
## 3555	108.95360	0.801657	-1
## 3556	123.93645	0.922426	-1
## 3557	131.42058	0.917039	-1
## 3558	146.95598	0.863162	-1
## 3559	152.06692	0.933754	-1
## 3560	151.41232	0.784138	-1
## 3561	107.16073	0.921107	-1
## 3562	97.86594	0.807605	-1
## 3563	127.18323	0.888495	-1
## 3564	113.34348	0.700217	-1
## 3565	110.62144	0.935180	-1
## 3566	120.75181	0.658476	-1
## 3567	100.55164	0.923481	-1
## 3568	107.97508	0.799064	-1
## 3569	106.79793	0.934201	-1
## 3570	114.75455	0.669276	-1
## 3571	152.47875	0.941013	-1
## 3572	152.04469	0.695593	-1
## 3573	149.64839	0.719913	-1
## 3574	148.95010	0.945994	-1
## 3575	143.85736	0.890522	-1
## 3576	141.88565	0.523626	-1
## 3577	148.14336	0.945611	-1
## 3578	142.84543	0.656214	-1
## 3579	147.00342	0.903942	-1
## 3580	135.38725	0.709056	-1
## 3581	133.72801	0.948439	-1
## 3582	149.63322	0.688127	-1
## 3583	149.51837	0.779376	-1
## 3584	130.30400	0.814789	-1
## 3585	147.54196	0.723915	-1
## 3586	145.19933	0.950295	-1
## 3587	148.96303	0.924356	-1
## 3588	115.28097	0.734128	-1
## 3589	142.24291	0.932570	-1

## 3590	149.29700	0.815786	-1
## 3591	131.77713	0.963605	-1
## 3592	114.09753	0.719523	-1
## 3593	108.04534	0.973465	-1
## 3594	106.94954	0.649855	-1
## 3595	107.94894	0.943513	-1
## 3596	112.25555	0.725311	-1
## 3597	117.06264	0.893478	-1
## 3598	114.82165	0.818006	-1
## 3599	108.12920	0.948989	-1
## 3600	115.44389	0.773672	-1
## 3601	128.93149	0.884844	-1
## 3602	158.85284	0.730675	-1
## 3603	109.41139	0.927950	-1
## 3604	110.10370	0.669188	-1
## 3605	101.89098	0.331853	-1
## 3606	88.04911	0.712573	-1
## 3607	99.95888	0.514361	-1
## 3608	93.78560	0.468912	-1
## 3609	89.22756	0.506137	-1
## 3610	107.24998	0.385577	-1
## 3611	101.97542	0.734007	-1
## 3612	85.68825	0.563668	-1
## 3613	118.30586	0.666237	-1
## 3614	118.87125	0.491842	-1
## 3615	122.30122	0.370801	-1
## 3616	127.26630	0.502919	-1
## 3617	126.87750	0.303641	-1
## 3618	151.53409	0.750087	-1
## 3619	111.48063	0.544843	1
## 3620	144.91345	0.890875	1
## 3621	98.89066	0.342249	1
## 3622	117.15288	0.312629	1
## 3623	114.12949	0.623759	1
## 3624	135.10118	0.327276	1
## 3625	118.40346	0.768060	1
## 3626	118.65239	0.407550	1
## 3627	99.91093	0.672409	1
## 3628	111.68658	0.647256	1
## 3629	97.09881	0.303692	1
## 3630	126.31514	0.719879	1
## 3631	103.69576	0.589880	1
## 3632	117.85691	0.510418	1
## 3633	134.11943	0.690929	1
## 3634	109.45843	0.414170	1
## 3635	108.54669	0.609270	1
## 3636	107.80543	0.627846	1
## 3637	116.55683	0.623426	1
## 3638	125.81396	0.533538	1
## 3639	122.61741	0.476891	1
## 3640	109.06776	0.339454	1
## 3641	111.26605	0.346701	1
## 3642	105.49777	0.776766	1
## 3643	101.23025	0.311566	1

## 3644	119.25221	0.666218	1
## 3645	119.61800	0.487578	1
## 3646	118.55772	0.525548	1
## 3647	100.40242	0.683448	1
## 3648	115.51882	0.532950	1
## 3649	116.72478	0.603358	1
## 3650	80.66664	0.685513	1
## 3651	126.40906	0.552989	1
## 3652	101.32570	0.661754	1
## 3653	129.58124	0.725983	1
## 3654	142.84256	0.657414	1
## 3655	140.30914	0.815857	1
## 3656	105.71085	0.642832	1
## 3657	122.10300	0.637838	1
## 3658	130.63782	0.509264	1
## 3659	107.74063	0.386058	1
## 3660	105.64060	0.680042	1
## 3661	107.72903	0.677581	1
## 3662	102.62873	0.682633	1
## 3663	91.50228	0.519037	1
## 3664	100.78111	0.539705	1
## 3665	99.40634	0.541088	1
## 3666	98.27531	0.492776	1
## 3667	98.65707	0.231689	1
## 3668	102.61749	0.361377	1
## 3669	95.62237	0.409790	1
## 3670	86.79475	0.479937	1
## 3671	87.71039	0.388174	1
## 3672	94.06188	0.486958	1
## 3673	103.16893	0.316310	1
## 3674	103.08263	0.919426	1
## 3675	82.17014	0.845397	1
## 3676	113.08785	0.854357	1
## 3677	108.33433	0.886862	1
## 3678	97.51352	0.894185	1
## 3679	90.55482	0.420244	1
## 3680	71.20812	0.797393	1
## 3681	109.54294	0.889189	1
## 3682	93.27204	0.756740	1
## 3683	93.07137	0.805477	1
## 3684	111.32242	0.837989	1
## 3685	112.47800	0.780856	1
## 3686	112.24155	0.688810	1
## 3687	109.28662	0.885819	1
## 3688	119.01891	0.339999	1
## 3689	127.07866	0.586410	1
## 3690	120.41271	0.639369	1
## 3691	117.26663	0.856100	1
## 3692	120.31183	0.645647	1
## 3693	121.22454	0.954578	1
## 3694	121.86264	0.350752	1
## 3695	126.99925	0.737102	1
## 3696	121.33056	0.915733	1
## 3697	144.06296	0.696615	-1

## 3698	129.05415	0.969367	-1
## 3699	145.02118	0.732214	-1
## 3700	142.55763	0.924738	-1
## 3701	145.98230	0.602855	-1
## 3702	98.06480	0.856202	-1
## 3703	101.05685	0.929069	-1
## 3704	103.01952	0.793136	-1
## 3705	100.93479	0.933286	-1
## 3706	109.50510	0.786233	-1
## 3707	112.84298	0.960462	-1
## 3708	123.20609	0.541885	-1
## 3709	119.89102	0.922725	-1
## 3710	130.85918	0.746481	-1
## 3711	150.16115	0.902039	-1
## 3712	155.45299	0.944630	-1
## 3713	149.30150	0.690731	-1
## 3714	145.01747	0.881808	-1
## 3715	147.98439	0.949559	-1
## 3716	139.00540	0.704178	-1
## 3717	153.37466	0.587132	-1
## 3718	139.70493	0.916944	-1
## 3719	148.78117	0.673612	-1
## 3720	148.27603	0.954745	-1
## 3721	121.67709	0.686609	-1
## 3722	99.91183	0.927948	-1
## 3723	91.81232	0.726185	-1
## 3724	127.83948	0.899618	-1
## 3725	117.38466	0.745103	1
## 3726	95.56448	0.327807	1
## 3727	88.85156	0.725417	1
## 3728	109.06639	0.353789	1
## 3729	102.49204	0.289035	1
## 3730	119.65093	0.528710	1
## 3731	130.89316	0.803759	1
## 3732	107.38994	0.390569	1
## 3733	93.07878	0.372101	1
## 3734	108.98303	0.336849	1
## 3735	107.22502	0.603005	1
## 3736	108.54735	0.620795	1
## 3737	137.76990	0.875532	1
## 3738	117.06368	0.446176	1
## 3739	86.24553	0.756082	1
## 3740	105.07563	0.224195	1
## 3741	121.00813	0.812882	1
## 3742	96.13763	0.585792	1
## 3743	101.34061	0.641869	1
## 3744	118.98638	0.858049	1
## 3745	111.27608	0.689870	1
## 3746	119.34966	0.715685	1
## 3747	123.55201	0.707096	1
## 3748	115.19945	0.699705	1
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## 3750	116.58484	0.638201	1
## 3751	116.02418	0.395477	1

## 3752	99.18772	0.737768	1
## 3753	120.81417	0.614066	1
## 3754	142.54080	0.627212	1
## 3755	115.50748	0.541943	1
## 3756	106.55692	0.716316	1
## 3757	122.27966	0.747962	1
## 3758	116.81695	0.747564	1
## 3759	95.24578	0.477814	1
## 3760	93.50777	0.800922	1
## 3761	110.01379	0.863287	1
## 3762	117.68232	0.364293	1
## 3763	91.95084	0.463190	1
## 3764	97.10005	0.635621	1
## 3765	98.18128	0.817526	1
## 3766	108.78464	0.731848	1
## 3767	106.16779	0.310410	1
## 3768	98.70160	0.255250	1
## 3769	109.56419	0.453767	1
## 3770	96.45729	0.482856	1
## 3771	132.04111	0.539529	1
## 3772	141.59093	0.317925	1
## 3773	133.52965	0.406503	1
## 3774	139.58626	0.397152	1
## 3775	151.84915	0.351234	1
## 3776	112.37904	0.375780	1
## 3777	120.75683	0.778481	1
## 3778	106.09424	0.310052	1
## 3779	118.59713	0.380525	1
## 3780	111.55912	0.714838	1
## 3781	111.60986	0.298165	1
## 3782	113.24383	0.397306	1
## 3783	119.75010	0.415567	1
## 3784	116.61734	0.474284	1
## 3785	103.27426	0.725221	1
## 3786	109.47576	0.437465	1
## 3787	111.28455	0.502108	1
## 3788	113.11715	0.408700	1
## 3789	109.15848	0.613936	1
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## 3791	118.98761	0.574066	1
## 3792	127.28941	0.752796	1
## 3793	126.29073	0.816497	1
## 3794	110.80638	0.596463	1
## 3795	137.10548	0.553013	1
## 3796	131.45798	0.733724	1
## 3797	137.82129	0.493230	1
## 3798	128.99568	0.583047	1
## 3799	134.88376	0.844912	1
## 3800	113.35449	0.665074	1
## 3801	115.37977	0.727698	1
## 3802	109.85680	0.622409	1
## 3803	121.63728	0.449236	1
## 3804	119.05205	0.652804	1
## 3805	114.55781	0.557154	1

## 3806	113.52071	0.635672	1
## 3807	116.84142	0.623212	1
## 3808	121.96789	0.704408	1
## 3809	136.18533	0.869473	1
## 3810	135.13882	0.790805	1
## 3811	127.15477	0.893763	1
## 3812	117.61507	0.344165	1
## 3813	119.71428	0.612971	-1
## 3814	143.90477	0.870259	-1
## 3815	112.95951	0.938174	-1
## 3816	113.54207	0.912556	-1
## 3817	105.53829	0.682873	-1
## 3818	112.06796	0.933949	-1
## 3819	102.17240	0.843963	-1
## 3820	110.87453	0.814553	-1
## 3821	105.95610	0.833791	-1
## 3822	102.77896	0.800610	-1
## 3823	128.64200	0.937376	-1
## 3824	140.09010	0.711759	-1
## 3825	144.59718	0.839947	-1
## 3826	149.26209	0.642517	-1
## 3827	143.48225	0.862055	-1
## 3828	149.61543	0.703877	-1
## 3829	140.97644	0.792966	-1
## 3830	142.32716	0.689602	-1
## 3831	118.97982	0.841637	-1
## 3832	109.07809	0.633425	-1
## 3833	107.29195	0.868298	-1
## 3834	90.03525	0.638931	-1
## 3835	115.79995	0.863637	-1
## 3836	118.54054	0.768959	-1
## 3837	102.40131	0.834023	-1
## 3838	94.55769	0.834853	-1
## 3839	97.75754	0.889202	-1
## 3840	109.82215	0.735322	-1
## 3841	114.87679	0.946572	-1
## 3842	106.78516	0.921742	-1
## 3843	138.26677	0.612732	-1
## 3844	146.21750	0.428970	-1
## 3845	134.50755	0.743791	-1
## 3846	131.93613	0.884256	-1
## 3847	140.86905	0.633931	-1
## 3848	129.11604	0.875663	-1
## 3849	139.11688	0.595556	-1
## 3850	132.03537	0.581120	-1
## 3851	107.37544	0.801070	-1
## 3852	102.66031	0.857631	-1
## 3853	122.60299	0.689887	-1
## 3854	128.00780	0.537568	-1
## 3855	135.50746	0.851552	-1
## 3856	123.78808	0.813279	-1
## 3857	96.21690	0.906372	-1
## 3858	99.98116	0.730654	-1
## 3859	90.69923	0.684070	-1

## 3860	92.11859	0.330597	-1
## 3861	103.36132	0.783026	-1
## 3862	110.74488	0.128790	1
## 3863	104.59277	0.329154	1
## 3864	86.26844	0.474273	1
## 3865	98.91129	0.607559	1
## 3866	114.60699	0.530601	1
## 3867	117.91076	0.663297	1
## 3868	97.24972	0.348033	1
## 3869	122.00348	0.547908	1
## 3870	117.27304	0.631267	1
## 3871	115.63180	0.511242	1
## 3872	98.52455	0.490427	1
## 3873	121.09335	0.480658	1
## 3874	105.72697	0.080868	1
## 3875	110.16540	0.302907	1
## 3876	114.52502	0.236034	1
## 3877	132.18646	0.269613	1
## 3878	128.51433	0.396119	1
## 3879	136.80678	0.387817	1
## 3880	103.47327	0.491834	1
## 3881	120.18354	0.481471	1
## 3882	127.97214	0.789620	1
## 3883	114.60432	0.563321	1
## 3884	111.77557	0.460543	1
## 3885	96.52231	0.369331	1
## 3886	110.72232	0.580921	1
## 3887	115.35302	0.503260	1
## 3888	107.59502	0.439536	1
## 3889	116.10774	0.442643	1
## 3890	113.16798	0.615189	1
## 3891	101.79515	0.714010	1
## 3892	125.08923	0.494816	1
## 3893	107.46603	0.524246	1
## 3894	106.50219	0.712582	1
## 3895	123.98790	0.685612	1
## 3896	114.89485	0.795783	1
## 3897	125.50008	0.864418	1
## 3898	95.32603	0.469753	1
## 3899	105.17125	0.333941	1
## 3900	99.84782	0.332755	1
## 3901	124.24998	0.773191	1
## 3902	119.34005	0.306178	1
## 3903	107.73682	0.661763	1
## 3904	125.23513	0.489631	1
## 3905	127.65636	0.522906	1
## 3906	123.50254	0.683593	1
## 3907	128.29256	0.598679	1
## 3908	106.30987	0.686768	1
## 3909	121.38068	0.555424	1
## 3910	101.00591	0.662952	1
## 3911	116.80714	0.719177	1
## 3912	80.53779	0.659975	1
## 3913	80.74138	0.812498	1

## 3914	111.77779	0.650454	1
## 3915	102.69987	0.640380	1
## 3916	111.64580	0.510810	1
## 3917	89.01945	0.386899	1
## 3918	90.24960	0.672495	1
## 3919	88.67408	0.679237	1
## 3920	75.38169	0.678030	1
## 3921	102.92527	0.518157	1
## 3922	113.40037	0.537951	1
## 3923	97.22925	0.527908	1
## 3924	95.82291	0.483164	1
## 3925	99.01231	0.228946	1
## 3926	86.54572	0.343917	1
## 3927	111.55483	0.358465	1
## 3928	103.13583	0.469598	1
## 3929	102.35486	0.390848	1
## 3930	105.74461	0.488561	1
## 3931	81.28363	0.368412	1
## 3932	76.38652	0.264177	1
## 3933	75.18559	0.328480	1
## 3934	89.43638	0.408063	1
## 3935	70.81836	0.358012	1
## 3936	115.41679	0.579652	1
## 3937	115.44459	0.413980	1
## 3938	112.14562	0.674666	1
## 3939	103.14203	0.643702	1
## 3940	100.63325	0.291187	1
## 3941	95.25691	0.717727	1
## 3942	103.55257	0.586432	1
## 3943	125.69026	0.509786	1
## 3944	139.73352	0.696353	1
## 3945	118.12766	0.421503	1
## 3946	106.94217	0.604154	1
## 3947	98.72069	0.625736	1
## 3948	118.98033	0.623353	1
## 3949	121.47479	0.532967	1
## 3950	112.53776	0.378296	1
## 3951	104.04858	0.355805	1
## 3952	104.58127	0.498808	1
## 3953	96.07484	0.552891	1
## 3954	112.25786	0.369266	1
## 3955	128.29184	0.464997	1
## 3956	124.42735	0.699416	1
## 3957	141.33058	0.341206	1
## 3958	139.18529	0.736832	1
## 3959	99.79617	0.531159	1
## 3960	93.65556	0.476365	1
## 3961	58.92238	0.400412	1
## 3962	80.81279	0.462555	1
## 3963	75.86487	0.605810	1
## 3964	87.45695	0.368207	1
## 3965	73.21883	0.511772	1
## 3966	89.81284	0.509955	1
## 3967	100.16287	0.938916	1

## 3968	92.87636	0.650058	1
## 3969	88.89449	0.856828	1
## 3970	86.56739	0.933254	1
## 3971	145.22392	0.650618	1
## 3972	127.72958	0.494362	1
## 3973	113.07415	0.384143	-1
## 3974	129.30212	0.536889	-1
## 3975	137.37595	0.615917	-1
## 3976	126.20260	0.892146	-1
## 3977	129.79719	0.662217	-1
## 3978	144.06255	0.948975	-1
## 3979	131.41164	0.788889	-1
## 3980	127.00269	0.433546	-1
## 3981	132.57407	0.425570	-1
## 3982	108.57680	0.748378	-1
## 3983	123.38473	0.852976	-1
## 3984	133.86566	0.948681	-1
## 3985	132.06636	0.872392	-1
## 3986	133.35538	0.965114	-1
## 3987	134.87613	0.568120	-1
## 3988	118.29552	0.723779	-1
## 3989	132.36916	0.872085	-1
## 3990	129.89821	0.772745	-1
## 3991	131.58441	0.848470	-1
## 3992	110.62593	0.727632	-1
## 3993	123.96899	0.571541	-1
## 3994	120.05377	0.668252	-1
## 3995	99.06953	0.905719	-1
## 3996	150.73116	0.852782	-1
## 3997	148.30667	0.940801	-1
## 3998	152.64439	0.519532	-1
## 3999	151.58887	0.974691	-1
## 4000	149.67297	0.804578	-1
## 4001	134.54144	0.782404	-1
## 4002	142.17896	0.820106	-1
## 4003	117.71081	0.748050	-1
## 4004	104.87111	0.810261	-1
## 4005	106.86079	0.877652	-1
## 4006	120.15756	0.889789	-1
## 4007	148.64508	0.730231	-1
## 4008	154.85747	0.931738	-1
## 4009	145.98872	0.676949	-1
## 4010	148.21536	0.954709	-1
## 4011	125.96283	0.803626	-1
## 4012	104.89034	0.954188	-1
## 4013	105.87241	0.802705	-1
## 4014	109.92102	0.432232	-1
## 4015	107.61066	0.755118	-1
## 4016	115.77494	0.412672	-1
## 4017	114.31889	0.683050	-1
## 4018	114.87117	0.464100	-1
## 4019	113.36238	0.639488	-1
## 4020	102.09161	0.503643	-1
## 4021	109.33813	0.646619	-1

## 4022	110.25459	0.616945	-1
## 4023	116.08398	0.703719	-1
## 4024	99.96768	0.391944	-1
## 4025	116.38937	0.646363	-1
## 4026	123.46053	0.430204	-1
## 4027	119.98019	0.692582	-1
## 4028	113.96711	0.522042	-1
## 4029	120.64464	0.730275	-1
## 4030	115.58939	0.440916	-1
## 4031	140.01073	0.717161	-1
## 4032	141.57636	0.952563	-1
## 4033	105.45815	0.702887	-1
## 4034	102.04165	0.608646	-1
## 4035	108.54787	0.758152	-1
## 4036	110.26122	0.965687	-1
## 4037	112.22965	0.781562	-1
## 4038	98.01813	0.824582	-1
## 4039	113.21259	0.742772	-1
## 4040	127.70643	0.741169	-1
## 4041	131.35449	0.830544	-1
## 4042	137.00153	0.736432	-1
## 4043	136.61745	0.829538	-1
## 4044	147.41260	0.740038	-1
## 4045	133.19711	0.729982	-1
## 4046	138.84212	0.708099	-1
## 4047	135.75687	0.662762	-1
## 4048	111.40472	0.377690	-1
## 4049	138.54622	0.327195	-1
## 4050	131.55963	0.812130	-1
## 4051	120.60288	0.477883	-1
## 4052	112.15987	0.702238	-1
## 4053	109.16949	0.497894	-1
## 4054	102.16681	0.630783	-1
## 4055	110.05734	0.592963	-1
## 4056	99.50261	0.607270	-1
## 4057	99.70155	0.549144	1
## 4058	75.91612	0.515932	1
## 4059	93.20406	0.626309	1
## 4060	72.29840	0.558598	1
## 4061	138.22623	0.476646	1
## 4062	81.56833	0.471456	1
## 4063	92.47739	0.519891	1
## 4064	99.22360	0.400412	1
## 4065	83.78069	0.345583	1
## 4066	95.00773	0.495502	1
## 4067	91.70489	0.428932	1
## 4068	87.93254	0.540269	1
## 4069	72.97696	0.312770	1
## 4070	80.03823	0.565154	1
## 4071	82.64420	0.580677	1
## 4072	86.34201	0.620131	1
## 4073	98.49776	0.561143	1
## 4074	86.75565	0.846941	1
## 4075	89.07558	0.476239	1

## 4076	70.47892	0.386685	1
## 4077	59.21844	0.389565	1
## 4078	75.96534	0.504748	1
## 4079	78.81539	0.696214	1
## 4080	95.12579	0.806934	1
## 4081	119.52549	0.738455	1
## 4082	127.21842	0.716991	1
## 4083	133.84505	0.607720	1
## 4084	111.54702	0.474484	1
## 4085	93.02088	0.428549	1
## 4086	120.95559	0.688563	1
## 4087	112.82688	0.396124	1
## 4088	96.61136	0.308805	1
## 4089	111.25041	0.589587	1
## 4090	108.42591	0.558118	1
## 4091	121.20624	0.404036	1
## 4092	120.11938	0.398446	1
## 4093	112.34579	0.230330	1
## 4094	98.61134	0.267650	1
## 4095	136.64014	0.605012	1
## 4096	99.84766	0.391054	1
## 4097	89.12622	0.450717	1
## 4098	101.24985	0.291002	1
## 4099	105.03741	0.607394	1
## 4100	87.30626	0.300260	1
## 4101	86.90705	0.487414	1
## 4102	93.69025	0.551925	1
## 4103	86.47918	0.568880	1
## 4104	95.00316	0.504022	1
## 4105	101.05293	0.511270	1
## 4106	75.03575	0.629668	1
## 4107	79.97828	0.603743	1
## 4108	100.26601	0.574035	1
## 4109	106.60599	0.873651	1
## 4110	86.63219	0.563955	1
## 4111	96.06654	0.391203	1
## 4112	104.06561	0.353754	1
## 4113	106.69644	0.344148	1
## 4114	101.77206	0.466577	1
## 4115	115.50398	0.476204	1
## 4116	111.68949	0.863972	1
## 4117	112.86201	0.318123	1
## 4118	110.31162	0.920435	1
## 4119	80.92548	0.847304	1
## 4120	91.69862	0.852492	1
## 4121	114.23324	0.884427	1
## 4122	84.70307	0.899169	1
## 4123	91.85561	0.421999	1
## 4124	86.99730	0.794760	1
## 4125	104.46558	0.890698	1
## 4126	89.72226	0.784080	1
## 4127	111.47935	0.804699	1
## 4128	113.89394	0.837872	1
## 4129	120.98832	0.778744	1

## 4130	132.97873	0.687563	1
## 4131	120.43542	0.890650	1
## 4132	124.09399	0.342015	1
## 4133	112.03445	0.584509	1
## 4134	128.88419	0.635671	1
## 4135	116.62242	0.854094	1
## 4136	125.59233	0.646245	1
## 4137	142.40527	0.852178	1
## 4138	106.85664	0.358485	1
## 4139	93.41845	0.461557	1
## 4140	117.25781	0.618766	1
## 4141	114.88167	0.821022	1
## 4142	122.95038	0.725468	1
## 4143	109.89014	0.311448	1
## 4144	105.18536	0.257517	1
## 4145	100.70141	0.450132	1
## 4146	121.28822	0.476391	1
## 4147	101.42751	0.869033	1
## 4148	95.74322	0.358697	1
## 4149	113.79591	0.739429	1
## 4150	116.61029	0.587616	-1
## 4151	123.55405	0.740747	-1
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## 4153	104.64637	0.518563	-1
## 4154	134.49687	0.441155	-1
## 4155	128.21860	0.608171	-1
## 4156	131.61694	0.715715	-1
## 4157	130.71783	0.782540	-1
## 4158	125.14631	0.757861	-1
## 4159	80.11937	0.870926	-1
## 4160	88.48052	0.554580	-1
## 4161	93.60230	0.699912	-1
## 4162	94.29761	0.790830	-1
## 4163	109.85806	0.872187	-1
## 4164	141.70277	0.840186	-1
## 4165	140.13933	0.670319	-1
## 4166	136.64670	0.699878	-1
## 4167	134.46616	0.369478	-1
## 4168	93.34993	0.635103	-1
## 4169	88.26776	0.718170	-1
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## 4171	130.61261	0.572636	-1
## 4172	144.45862	0.762339	-1
## 4173	127.30388	0.459029	-1
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## 4177	109.55210	0.520888	-1
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## 4179	137.76914	0.486573	-1
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## 4182	131.36496	0.837998	-1
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## 4185	117.18160	0.893185	-1
## 4186	147.10754	0.672795	-1
## 4187	145.22459	0.935877	-1
## 4188	152.38066	0.738568	-1
## 4189	155.68706	0.938373	-1
## 4190	146.42387	0.799676	-1
## 4191	142.26874	0.808993	-1
## 4192	109.93282	0.758939	-1
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## 4195	143.44350	0.733069	-1
## 4196	142.11357	0.750847	-1
## 4197	129.99257	0.778315	-1
## 4198	138.06729	0.939367	-1
## 4199	145.66350	0.717463	-1
## 4200	110.04402	0.968771	-1
## 4201	104.27737	0.734818	-1
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## 4205	139.78436	0.854232	-1
## 4206	118.29292	0.883968	-1
## 4207	106.37534	0.708892	-1
## 4208	143.11412	0.913291	-1
## 4209	131.62404	0.632063	-1
## 4210	108.56292	0.918071	-1
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## 4212	106.31599	0.853622	-1
## 4213	100.05482	0.830630	-1
## 4214	109.68232	0.933825	-1
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## 4216	107.80615	0.871057	-1
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## 4218	110.40492	0.932089	-1
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## 4221	108.98611	0.740823	-1
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## 4228	87.34714	0.325172	-1
## 4229	93.83407	0.796121	-1
## 4230	91.48373	0.502240	-1
## 4231	113.52180	0.469772	-1
## 4232	139.20984	0.488269	-1
## 4233	125.35487	0.376483	-1
## 4234	101.49416	0.738827	-1
## 4235	90.93523	0.570374	-1
## 4236	110.81664	0.657256	-1
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## 4238	90.92419	0.370768	-1
## 4239	106.51544	0.501327	-1
## 4240	82.52229	0.299654	1
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## 4242	130.35020	0.537675	1
## 4243	122.51523	0.887613	1
## 4244	140.05617	0.715150	1
## 4245	112.82340	0.843016	1
## 4246	116.64827	0.745819	1
## 4247	112.45039	0.576003	1
## 4248	116.28128	0.731389	1
## 4249	113.11474	0.441619	1
## 4250	112.69164	0.443706	1
## 4251	132.26337	0.845643	1
## 4252	116.97932	0.583021	1
## 4253	134.57927	0.527002	1
## 4254	129.86246	0.562026	1
## 4255	115.60555	0.737114	1
## 4256	127.49451	0.797156	1
## 4257	114.99860	0.434228	1
## 4258	90.58375	0.672064	1
## 4259	95.90370	0.646225	1
## 4260	90.84066	0.300089	1
## 4261	85.66443	0.719756	1
## 4262	80.66516	0.586672	1
## 4263	100.81560	0.506865	1
## 4264	105.71920	0.690852	1
## 4265	82.37147	0.394090	1
## 4266	87.86567	0.601845	1
## 4267	121.05364	0.625654	1
## 4268	127.63731	0.622019	1
## 4269	131.18013	0.535408	1
## 4270	117.73618	0.470522	1
## 4271	122.76988	0.723164	1
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## 4274	110.99508	0.406905	1
## 4275	80.77924	0.514326	1
## 4276	95.61272	0.387621	1
## 4277	92.71919	0.347449	1
## 4278	110.75949	0.776110	1
## 4279	105.18572	0.307543	1
## 4280	116.02700	0.663557	1
## 4281	103.99168	0.485383	1
## 4282	104.85387	0.518175	1
## 4283	126.26438	0.683689	1
## 4284	104.07350	0.530220	1
## 4285	114.16600	0.602423	1
## 4286	100.06331	0.708730	1
## 4287	109.35101	0.279237	1
## 4288	123.40491	0.304091	1
## 4289	117.32074	0.617637	1
## 4290	141.00548	0.325567	1
## 4291	129.65718	0.762042	1

## 4292	86.71801	0.549956	1
## 4293	82.02138	0.465722	1
## 4294	121.47037	0.366991	1
## 4295	120.73397	0.576036	1
## 4296	124.48362	0.503412	1
## 4297	116.88699	0.432858	1
## 4298	87.93507	0.446776	1
## 4299	111.41222	0.610707	1
## 4300	93.21675	0.716366	1
## 4301	124.50096	0.491380	1
## 4302	121.89293	0.520035	1
## 4303	109.56539	0.709236	1
## 4304	116.90971	0.685435	1
## 4305	121.99557	0.795768	1
## 4306	119.82886	0.860342	1
## 4307	123.69059	0.364609	1
## 4308	99.79797	0.288122	1
## 4309	111.42604	0.528059	1
## 4310	128.58635	0.805435	1
## 4311	106.34663	0.389874	1
## 4312	95.39813	0.371538	1
## 4313	95.63226	0.329531	1
## 4314	122.84408	0.604116	1
## 4315	114.68657	0.625528	1
## 4316	108.31023	0.877775	1
## 4317	103.55542	0.445632	1
## 4318	117.32703	0.776414	1
## 4319	94.52120	0.223175	1
## 4320	120.19847	0.812769	1
## 4321	140.67403	0.585147	1
## 4322	111.42804	0.717583	1
## 4323	99.85836	0.807853	1
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## 4336	132.78186	0.518358	-1
## 4337	126.12601	0.759870	-1
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## 4345	131.22989	0.771675	-1

## 4346	145.08693	0.790051	-1
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## 4374	130.09734	0.393233	-1
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## 4379	125.72948	0.299814	-1
## 4380	138.28165	0.284792	-1
## 4381	112.78611	0.225792	-1
## 4382	105.77106	0.373422	-1
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## 4384	129.90135	0.434778	-1
## 4385	119.73103	0.672651	-1
## 4386	123.68004	0.643312	-1
## 4387	111.28702	0.518085	-1
## 4388	115.22000	0.793587	-1
## 4389	111.03600	0.337426	-1
## 4390	137.85584	0.460988	-1
## 4391	115.93972	0.725831	-1
## 4392	107.36762	0.664702	1
## 4393	97.31473	0.691292	1
## 4394	89.81393	0.726567	1
## 4395	94.33415	0.620978	1
## 4396	137.96129	0.779530	1
## 4397	115.84500	0.361048	1
## 4398	119.44436	0.262429	1
## 4399	115.13362	0.329005	1

## 4400	120.61602	0.408244	1
## 4401	85.37022	0.357752	1
## 4402	125.59847	0.583791	1
## 4403	121.38924	0.660376	1
## 4404	98.58837	0.716271	1
## 4405	102.46629	0.718886	1
## 4406	112.71430	0.697658	1
## 4407	112.57523	0.827271	1
## 4408	112.58177	0.646070	1
## 4409	95.27766	0.396027	1
## 4410	127.39408	0.738012	1
## 4411	119.48188	0.613053	1
## 4412	105.11006	0.624151	1
## 4413	107.58218	0.540045	1
## 4414	121.10270	0.710320	1
## 4415	111.53632	0.734809	1
## 4416	102.16874	0.734273	1
## 4417	107.41441	0.481519	1
## 4418	124.99655	0.804601	1
## 4419	126.89036	0.311897	1
## 4420	120.06963	0.913699	1
## 4421	98.02517	0.838088	1
## 4422	121.04848	0.856821	1
## 4423	124.48278	0.887790	1
## 4424	117.17805	0.904554	1
## 4425	112.73363	0.416523	1
## 4426	84.36803	0.796430	1
## 4427	106.92055	0.891307	1
## 4428	94.78494	0.772315	1
## 4429	94.49232	0.550866	1
## 4430	107.26378	0.318658	1
## 4431	99.12146	0.407344	1
## 4432	114.13063	0.400955	1
## 4433	102.68900	0.364619	1
## 4434	111.10804	0.378221	1
## 4435	114.09815	0.779429	1
## 4436	136.64601	0.310537	1
## 4437	135.23413	0.382262	1
## 4438	127.00861	0.714632	1
## 4439	146.20250	0.296265	1
## 4440	148.20099	0.397068	1
## 4441	95.41234	0.447454	1
## 4442	131.06578	0.857722	1
## 4443	106.26112	0.357927	1
## 4444	93.83282	0.469180	1
## 4445	99.26757	0.606352	1
## 4446	116.27331	0.819843	1
## 4447	120.66501	0.732047	1
## 4448	114.95049	0.312339	1
## 4449	109.46664	0.259434	1
## 4450	123.48473	0.456062	1
## 4451	128.79215	0.485130	1
## 4452	116.26125	0.614599	1
## 4453	108.38441	0.913657	1

## 4454	99.22022	0.575253	1
## 4455	100.89523	0.750914	1
## 4456	125.12822	0.815278	1
## 4457	98.32658	0.594121	1
## 4458	101.24432	0.546530	1
## 4459	106.25588	0.732116	1
## 4460	86.64395	0.497532	1
## 4461	102.07285	0.583361	1
## 4462	132.30039	0.844022	1
## 4463	114.16366	0.663405	1
## 4464	129.12825	0.726692	1
## 4465	108.07873	0.632963	1
## 4466	109.33048	0.453764	1
## 4467	125.23953	0.655783	1
## 4468	103.94524	0.560407	1
## 4469	102.46235	0.638311	1
## 4470	128.19237	0.625489	1
## 4471	134.02080	0.709714	1
## 4472	131.48770	0.872485	1
## 4473	129.75598	0.791185	1
## 4474	123.16354	0.904707	1
## 4475	130.55104	0.427947	1
## 4476	122.96685	0.224355	1
## 4477	127.68401	0.746718	1
## 4478	135.04880	0.800464	1
## 4479	118.41167	0.530105	1
## 4480	124.55663	0.743697	1
## 4481	125.95402	0.563725	1
## 4482	141.38945	0.850033	1
## 4483	95.10126	0.280428	1
## 4484	104.94484	0.291295	1
## 4485	94.13209	0.433894	1
## 4486	101.11578	0.269854	1
## 4487	108.19585	0.254343	1
## 4488	109.57675	0.217060	1
## 4489	108.67675	0.339690	1
## 4490	111.00536	0.447966	1
## 4491	73.67149	0.562852	1
## 4492	92.65345	0.657272	1
## 4493	93.10332	0.827097	1
## 4494	87.23219	0.805636	1
## 4495	107.30795	0.827795	1
## 4496	126.36880	0.681638	1
## 4497	109.32187	0.622522	1
## 4498	102.37869	0.532006	1
## 4499	126.44621	0.505286	1
## 4500	128.38805	0.520090	1
## 4501	108.23609	0.473678	1
## 4502	122.57080	0.633654	1
## 4503	128.42889	0.431197	1
## 4504	132.71510	0.495837	1
## 4505	133.98846	0.833251	1
## 4506	137.12714	0.738386	1
## 4507	125.35916	0.658307	1

## 4508	115.24761	0.638142	1
## 4509	99.18259	0.810565	1
## 4510	101.55625	0.675646	1
## 4511	100.73455	0.692132	1
## 4512	92.09560	0.726584	1
## 4513	94.69067	0.798385	1
## 4514	79.86674	0.817602	1
## 4515	107.77219	0.824203	1
## 4516	102.86968	0.405196	1
## 4517	123.09563	0.314927	1
## 4518	124.44180	0.496979	1
## 4519	109.24549	0.524780	1
## 4520	84.43436	0.352869	1
## 4521	94.22465	0.301479	1
## 4522	92.16515	0.278716	1
## 4523	101.39732	0.303392	1
## 4524	92.84827	0.281908	1
## 4525	102.44009	0.295698	1
## 4526	87.63277	0.310280	1
## 4527	90.79407	0.275286	1
## 4528	87.40649	0.458463	1
## 4529	95.61089	0.347496	1
## 4530	83.19265	0.380660	1
## 4531	82.99783	0.552526	1
## 4532	92.64226	0.601715	1
## 4533	102.87273	0.670606	1
## 4534	89.14732	0.722313	1
## 4535	109.66779	0.872279	1
## 4536	109.18354	0.847381	1
## 4537	91.85177	0.809843	1
## 4538	96.68810	0.817755	1
## 4539	102.34932	0.764786	1
## 4540	121.04315	0.845100	1
## 4541	114.95022	0.837062	1
## 4542	90.87373	0.750226	1
## 4543	111.96484	0.828124	1
## 4544	112.21541	0.635478	1
## 4545	114.14925	0.789662	1
## 4546	91.73527	0.826008	1
## 4547	73.81039	0.585248	1
## 4548	73.58117	0.690256	1
## 4549	87.62160	0.787026	1
## 4550	100.85500	0.628098	1
## 4551	91.34065	0.822668	1
## 4552	93.28138	0.744143	1
## 4553	95.37633	0.826863	1
## 4554	113.13449	0.814059	1
## 4555	109.07452	0.831626	1
## 4556	105.67001	0.902328	1
## 4557	101.31647	0.692876	1
## 4558	102.36547	0.477217	1
## 4559	86.42172	0.642286	1
## 4560	109.57906	0.371010	1
## 4561	128.80185	0.297781	1

## 4562	114.09906	0.343826	1
## 4563	131.37186	0.306818	1
## 4564	114.12534	0.298595	1
## 4565	112.71189	0.552927	1
## 4566	105.37475	0.573547	1
## 4567	133.01375	0.308459	1
## 4568	126.77634	0.417917	1
## 4569	114.83942	0.271057	1
## 4570	134.43630	0.384798	1
## 4571	122.78381	0.424473	1
## 4572	131.31020	0.717520	1
## 4573	91.16573	0.710344	1
## 4574	115.24372	0.765879	1
## 4575	122.19024	0.782168	1
## 4576	103.70184	0.243453	1
## 4577	98.21011	0.515503	1
## 4578	90.39670	0.454096	1
## 4579	112.30171	0.800629	1
## 4580	104.92419	0.430948	1
## 4581	127.22179	0.408028	1
## 4582	102.36131	0.588432	1
## 4583	126.83965	0.702047	1
## 4584	117.51961	0.405919	1
## 4585	99.80520	0.509597	1
## 4586	116.58673	0.771248	1
## 4587	91.12108	0.531308	1
## 4588	112.81580	0.649753	1
## 4589	85.16112	0.687929	1
## 4590	98.00436	0.625153	1
## 4591	82.10664	0.673329	1
## 4592	102.49741	0.696476	1
## 4593	82.20194	0.781514	1
## 4594	82.68623	0.787873	1
## 4595	84.22437	0.825462	1
## 4596	99.18152	0.781976	1
## 4597	96.21258	0.792565	1
## 4598	91.92711	0.718936	1
## 4599	110.96004	0.763958	1
## 4600	109.67454	0.803640	1
## 4601	129.91891	0.792028	1
## 4602	106.39197	0.696294	1
## 4603	101.91584	0.648624	1
## 4604	101.41972	0.509440	1
## 4605	114.30035	0.513037	1
## 4606	108.34429	0.514206	1
## 4607	91.14925	0.459567	1
## 4608	122.00163	0.638284	1
## 4609	103.40931	0.447575	1
## 4610	124.37761	0.514452	1
## 4611	130.26775	0.824045	1
## 4612	103.14552	0.302846	1
## 4613	121.44726	0.278669	1
## 4614	119.97252	0.271167	1
## 4615	109.67133	0.431495	1

## 4616	119.55250	0.269083	1
## 4617	104.87675	0.264510	1
## 4618	122.32433	0.216823	1
## 4619	111.85973	0.348532	1
## 4620	104.43834	0.428955	1
## 4621	139.05618	0.589745	1
## 4622	135.69253	0.665661	1
## 4623	113.90113	0.813429	1
## 4624	118.75571	0.835318	1
## 4625	88.06149	0.801455	1
## 4626	96.90640	0.759314	1
## 4627	87.68269	0.643381	1
## 4628	88.29367	0.671149	1
## 4629	111.51540	0.799940	1
## 4630	112.80139	0.669383	1
## 4631	102.71660	0.698602	1
## 4632	88.23479	0.691912	1
## 4633	109.57689	0.780717	1
## 4634	84.42526	0.825018	1
## 4635	93.23394	0.820482	1
## 4636	90.49561	0.425305	1
## 4637	100.33176	0.309880	1
## 4638	93.34457	0.490605	1
## 4639	71.40812	0.541515	1
## 4640	84.84418	0.356163	1
## 4641	103.43195	0.309618	1
## 4642	103.37847	0.273922	1
## 4643	90.45190	0.299253	1
## 4644	120.11294	0.275161	1
## 4645	137.46114	0.300764	1
## 4646	117.84113	0.315360	1
## 4647	127.04668	0.273836	1
## 4648	98.56560	0.488213	1
## 4649	95.88197	0.360440	1
## 4650	99.16228	0.386841	1
## 4651	92.41620	0.563901	1
## 4652	86.30258	0.594787	1
## 4653	102.22752	0.691943	1
## 4654	95.38431	0.731207	1
## 4655	100.62551	0.879676	1
## 4656	92.66511	0.848479	1
## 4657	100.31499	0.814171	1
## 4658	100.07910	0.787752	1
## 4659	108.69282	0.775088	1
## 4660	105.36060	0.818953	1
## 4661	107.86054	0.844237	1
## 4662	102.22142	0.712169	1
## 4663	103.77738	0.652900	1
## 4664	117.24969	0.418937	1
## 4665	116.74395	0.642087	1
## 4666	112.10907	0.332007	1
## 4667	115.12932	0.287433	1
## 4668	104.70863	0.340938	1
## 4669	120.08516	0.306255	1

## 4670	102.04343	0.293529	1
## 4671	126.26837	0.541798	1
## 4672	108.10800	0.554129	1
## 4673	119.26573	0.323506	1
## 4674	118.09040	0.409205	1
## 4675	114.12350	0.297909	1
## 4676	118.78701	0.384375	1
## 4677	138.24716	0.440886	1
## 4678	135.93530	0.706961	1
## 4679	112.32782	0.697196	1
## 4680	127.88854	0.781905	1
## 4681	134.11792	0.780480	1
## 4682	117.03972	0.382149	1
## 4683	113.48965	0.784216	1
## 4684	111.90280	0.301794	1
## 4685	114.61442	0.718580	1
## 4686	124.28414	0.563683	1
## 4687	103.27741	0.490205	1
## 4688	103.84812	0.744941	1
## 4689	121.71993	0.297200	1
## 4690	129.03863	0.699762	1
## 4691	120.17561	0.777747	1
## 4692	125.90594	0.244305	1
## 4693	95.55986	0.505647	1
## 4694	107.73604	0.447659	1
## 4695	111.07305	0.786999	1
## 4696	95.04833	0.578568	1
## 4697	118.83112	0.424978	1
## 4698	110.32119	0.556052	1
## 4699	125.98682	0.666939	1
## 4700	85.53155	0.439771	1
## 4701	118.79913	0.520291	1
## 4702	131.55600	0.284300	1
## 4703	93.75227	0.195982	1
## 4704	78.34728	0.188613	1
## 4705	97.25813	0.610497	1
## 4706	89.01459	0.542955	1
## 4707	87.48803	0.249445	1
## 4708	90.78414	0.217401	1
## 4709	86.48332	0.325022	1
## 4710	93.90144	0.633431	1
## 4711	88.18144	0.287717	1
## 4712	91.51520	0.376295	1
## 4713	93.07098	0.262146	1
## 4714	95.43572	0.296184	1
## 4715	92.96875	0.246562	1
## 4716	89.82555	0.306547	1
## 4717	124.03930	0.253505	1
## 4718	87.66899	0.262263	1
## 4719	95.50769	0.347549	1
## 4720	73.72707	0.178890	1
## 4721	93.71596	0.254696	1
## 4722	84.40116	0.302237	1
## 4723	116.14255	0.282339	1

## 4724	104.34425	0.264118	1
## 4725	75.78304	0.258828	1
## 4726	71.68475	0.293095	1
## 4727	105.46072	0.351294	1
## 4728	95.78467	0.515676	1
## 4729	131.72267	0.690573	1
## 4730	97.06462	0.272385	1
## 4731	83.01485	0.455358	1
## 4732	106.63135	0.397945	1
## 4733	107.41553	0.693967	1
## 4734	90.39705	0.766726	1
## 4735	112.00008	0.746695	1
## 4736	88.60785	0.810044	1
## 4737	90.69546	0.805448	1
## 4738	83.85636	0.769785	1
## 4739	102.15649	0.711667	1
## 4740	100.44345	0.800492	1
## 4741	96.12183	0.792361	1
## 4742	87.64376	0.803020	1
## 4743	104.53564	0.672226	1
## 4744	78.44509	0.625699	1
## 4745	93.08560	0.525449	1
## 4746	108.00939	0.504178	1
## 4747	103.85447	0.518946	1
## 4748	108.83121	0.471603	1
## 4749	115.50236	0.641545	1
## 4750	102.65740	0.438117	1
## 4751	100.37299	0.500857	1
## 4752	121.43230	0.839786	1
## 4753	111.25711	0.668993	1
## 4754	118.75150	0.266964	1
## 4755	105.99017	0.718065	1
## 4756	116.75122	0.728793	1
## 4757	115.27335	0.287178	1
## 4758	130.26186	0.415506	1
## 4759	120.60326	0.661523	1
## 4760	122.52281	0.472306	1
## 4761	119.97177	0.621815	1
## 4762	128.43306	0.241724	1
## 4763	116.56546	0.214643	1
## 4764	145.28571	0.675548	1
## 4765	106.32927	0.172993	1
## 4766	125.41085	0.257581	1
## 4767	135.65140	0.308812	1
## 4768	85.37825	0.183219	1
## 4769	125.91317	0.693201	1
## 4770	105.60205	0.286886	1
## 4771	105.82279	0.285028	1
## 4772	106.15928	0.296340	1
## 4773	104.46284	0.428219	1
## 4774	107.79171	0.269302	1
## 4775	98.33878	0.243828	1
## 4776	101.70647	0.199959	1
## 4777	117.15469	0.343538	1

## 4778	99.42358	0.435514	1
## 4779	97.01848	0.587960	1
## 4780	121.29246	0.638942	1
## 4781	120.15015	0.827280	1
## 4782	116.44649	0.804502	1
## 4783	100.75497	0.804399	1
## 4784	96.23174	0.254839	1
## 4785	119.01759	0.485131	1
## 4786	127.27660	0.626374	1
## 4787	80.25490	0.401460	1
## 4788	95.84440	0.556750	1
## 4789	107.94287	0.404815	1
## 4790	128.91228	0.825858	1
## 4791	126.71124	0.758291	1
## 4792	115.31796	0.647850	1
## 4793	113.62358	0.647799	1
## 4794	126.61556	0.804008	1
## 4795	127.51547	0.670806	1
## 4796	129.01569	0.689592	1
## 4797	142.32762	0.715286	1
## 4798	129.93762	0.817695	1
## 4799	92.98220	0.802100	1
## 4800	98.47325	0.838881	1
## 4801	86.58656	0.411276	1
## 4802	100.84255	0.305537	1
## 4803	101.58042	0.494867	1
## 4804	80.62232	0.515769	1
## 4805	86.49233	0.357417	1
## 4806	104.34097	0.313004	1
## 4807	96.58356	0.288937	1
## 4808	79.96130	0.332049	1
## 4809	93.39350	0.285733	1
## 4810	90.14749	0.298028	1
## 4811	93.67426	0.314204	1
## 4812	87.30700	0.279178	1
## 4813	80.96061	0.469870	1
## 4814	91.39042	0.353167	1
## 4815	74.93329	0.368554	1
## 4816	81.97858	0.570797	1
## 4817	97.86677	0.625276	1
## 4818	99.29652	0.674895	1
## 4819	91.61769	0.747354	1
## 4820	128.75296	0.898757	1
## 4821	123.02701	0.858461	1
## 4822	113.26998	0.785472	1
## 4823	95.03473	0.792901	1
## 4824	108.39717	0.781534	1
## 4825	106.38941	0.813299	1
## 4826	97.17052	0.855355	1
## 4827	77.28236	0.673422	1
## 4828	97.93941	0.380822	1
## 4829	111.63037	0.780682	1
## 4830	110.45427	0.298434	1
## 4831	124.82134	0.712115	1

## 4832	114.47662	0.561559	1
## 4833	106.34158	0.488562	1
## 4834	118.17673	0.740201	1
## 4835	117.83166	0.302640	1
## 4836	119.23663	0.710199	1
## 4837	127.24036	0.759183	1
## 4838	122.43233	0.246650	1
## 4839	125.72612	0.498719	1
## 4840	96.84208	0.437625	1
## 4841	119.53790	0.780566	1
## 4842	113.31284	0.431223	1
## 4843	127.26491	0.419667	1
## 4844	114.23187	0.598335	1
## 4845	111.92301	0.685275	1
## 4846	91.85037	0.432337	1
## 4847	89.99689	0.507938	1
## 4848	114.49645	0.371148	1
## 4849	97.97094	0.441097	1
## 4850	90.56960	0.515666	1
## 4851	95.52403	0.426157	1
## 4852	90.70673	0.303533	1
## 4853	123.26857	0.487406	1
## 4854	114.44473	0.536708	1
## 4855	93.84395	0.345946	1
## 4856	125.82046	0.309819	1
## 4857	110.56690	0.275733	1
## 4858	116.32895	0.322722	1
## 4859	111.95676	0.284509	1
## 4860	113.72583	0.278591	1
## 4861	88.28416	0.320286	1
## 4862	124.42348	0.287748	1
## 4863	119.31278	0.487439	1
## 4864	122.99346	0.345523	1
## 4865	104.21658	0.389802	1
## 4866	124.65004	0.544676	1
## 4867	116.13399	0.626875	1
## 4868	107.80465	0.687633	1
## 4869	112.08625	0.720908	1
## 4870	119.83669	0.906791	1
## 4871	126.30765	0.870883	1
## 4872	140.90007	0.779182	1
## 4873	118.56840	0.800815	1
## 4874	135.46254	0.807088	1
## 4875	124.80997	0.817078	1
## 4876	107.53339	0.843687	1
## 4877	90.11303	0.739972	1
## 4878	103.00210	0.641363	1
## 4879	95.49793	0.603788	1
## 4880	98.41283	0.712647	1
## 4881	87.98309	0.692072	1
## 4882	106.47179	0.753585	1
## 4883	104.36155	0.524057	1
## 4884	100.57242	0.646556	1
## 4885	99.42163	0.684906	1

## 4886	106.98257	0.629641	1
## 4887	104.91225	0.698432	1
## 4888	97.18411	0.225280	1
## 4889	114.43166	0.788576	1
## 4890	126.19493	0.747649	1
## 4891	107.73638	0.754867	1
## 4892	96.98659	0.797626	1
## 4893	115.32530	0.801544	1
## 4894	98.18771	0.795973	1
## 4895	126.47250	0.720161	1
## 4896	106.23231	0.796164	1
## 4897	108.28434	0.801726	1
## 4898	96.42080	0.791886	1
## 4899	72.76622	0.286882	1
## 4900	96.79553	0.270059	1
## 4901	88.88941	0.267318	1
## 4902	89.21024	0.428831	1
## 4903	92.94531	0.258573	1
## 4904	77.62594	0.258693	1
## 4905	81.57292	0.211574	1
## 4906	96.65721	0.356394	1
## 4907	80.93352	0.441998	1
## 4908	85.00507	0.582435	1
## 4909	103.59590	0.645528	1
## 4910	88.41189	0.827415	1
## 4911	108.13050	0.802281	1
## 4912	106.26455	0.804247	1
## 4913	120.58884	0.257448	1
## 4914	112.60015	0.479339	1
## 4915	107.60764	0.621800	1
## 4916	115.65017	0.403388	1
## 4917	100.87183	0.540663	1
## 4918	110.70602	0.407836	1
## 4919	101.58299	0.817068	1
## 4920	125.75887	0.747788	1
## 4921	118.32061	0.662112	1
## 4922	137.43785	0.627029	1
## 4923	120.77110	0.817679	1
## 4924	126.02732	0.662286	1
## 4925	127.56963	0.698763	1
## 4926	120.37852	0.690161	1
## 4927	128.32127	0.784244	1
## 4928	111.65609	0.826169	1
## 4929	131.68300	0.384335	1
## 4930	137.22838	0.778649	1
## 4931	109.70020	0.312272	1
## 4932	96.72083	0.731336	1
## 4933	103.76787	0.572185	1
## 4934	90.28908	0.479708	1
## 4935	95.51932	0.742109	1
## 4936	86.83570	0.293107	1
## 4937	122.63213	0.704680	1
## 4938	121.53210	0.770770	1
## 4939	100.70765	0.241869	1

## 4940	117.08163	0.494120	1
## 4941	112.28400	0.448490	1
## 4942	126.22327	0.794340	1
## 4943	134.79474	0.608579	1
## 4944	118.57207	0.500407	1
## 4945	123.45830	0.663624	1
## 4946	105.38338	0.444591	1
## 4947	114.77107	0.531602	1
## 4948	110.11018	0.432417	1
## 4949	107.67137	0.422843	1
## 4950	123.02174	0.429246	1
## 4951	109.17590	0.431123	1
## 4952	119.82913	0.488520	1
## 4953	107.30872	0.712366	1
## 4954	90.59643	0.680524	1
## 4955	82.65507	0.259364	1
## 4956	124.61712	0.694175	1
## 4957	109.17983	0.683047	1
## 4958	110.89355	0.277471	1
## 4959	130.62178	0.401676	1
## 4960	113.91721	0.661622	1
## 4961	121.08840	0.456251	1
## 4962	117.42860	0.637899	1
## 4963	114.32182	0.241095	1
## 4964	119.06849	0.687558	1
## 4965	94.06749	0.186390	1
## 4966	113.22814	0.261098	1
## 4967	112.86015	0.297843	1
## 4968	90.95985	0.181051	1
## 4969	119.84615	0.690659	1
## 4970	100.54714	0.688584	1
## 4971	126.75041	0.633210	1
## 4972	128.40941	0.499395	1
## 4973	122.95344	0.511048	1
## 4974	122.97349	0.512491	1
## 4975	113.52402	0.468031	1
## 4976	126.18425	0.633342	1
## 4977	124.96796	0.438426	1
## 4978	122.18193	0.509926	1
## 4979	134.39117	0.829926	1
## 4980	130.34471	0.658180	1
## 4981	127.58076	0.597205	1
## 4982	107.58826	0.722922	1
## 4983	91.65310	0.706263	1
## 4984	96.08099	0.757334	1
## 4985	98.19892	0.531446	1
## 4986	85.75584	0.651510	1
## 4987	80.32783	0.670370	1
## 4988	91.37259	0.612371	1
## 4989	90.08615	0.732020	1
## 4990	102.36316	0.697341	1
## 4991	94.72358	0.749416	1
## 4992	112.42713	0.770594	1
## 4993	90.30498	0.807348	1

## 4994	124.22314	0.777661	1
## 4995	106.76481	0.754320	1
## 4996	106.62896	0.698695	1
## 4997	107.49240	0.775367	1
## 4998	103.00959	0.818853	1
## 4999	127.94688	0.800799	1
## 5000	110.66583	0.249502	1
## 5001	135.26472	0.485670	1
## 5002	118.06722	0.623587	1
## 5003	122.26648	0.395107	1
## 5004	122.30299	0.556606	1
## 5005	125.43747	0.396193	1
## 5006	127.50906	0.828957	1
## 5007	141.46407	0.824316	1
## 5008	118.79816	0.636251	1
## 5009	124.11626	0.660152	1
## 5010	99.53734	0.790555	1
## 5011	80.32610	0.815113	1
## 5012	85.27681	0.643752	1
## 5013	81.03446	0.711750	1
## 5014	107.41260	0.755337	1
## 5015	92.80975	0.612904	1
## 5016	91.18622	0.828763	1
## 5017	93.25613	0.725882	1
## 5018	120.27283	0.842667	1
## 5019	101.22703	0.775914	1
## 5020	105.28961	0.836950	1
## 5021	105.05920	0.845681	1
## 5022	101.86109	0.744937	1
## 5023	105.80237	0.676464	1
## 5024	97.01335	0.634787	1
## 5025	100.77660	0.817927	1
## 5026	102.58650	0.675088	1
## 5027	100.21606	0.694942	1
## 5028	95.91949	0.711095	1
## 5029	91.99143	0.786819	1
## 5030	86.27768	0.838073	1
## 5031	97.15878	0.298637	1
## 5032	106.57392	0.305317	1
## 5033	89.39475	0.270593	1
## 5034	99.40146	0.448288	1
## 5035	130.43338	0.267438	1
## 5036	115.67993	0.275897	1
## 5037	101.05756	0.211986	1
## 5038	117.15157	0.391060	1
## 5039	110.50594	0.468530	1
## 5040	101.02953	0.613642	1
## 5041	87.13928	0.655326	1
## 5042	89.12672	0.802460	1
## 5043	96.86939	0.814232	1
## 5044	98.15845	0.786222	1
## 5045	102.31561	0.810447	1
## 5046	133.82667	0.406065	1
## 5047	108.30343	0.300049	1

## 5048	115.11490	0.496261	1
## 5049	112.17888	0.536709	1
## 5050	88.01790	0.330537	1
## 5051	93.97813	0.287164	1
## 5052	95.15757	0.268642	1
## 5053	88.79903	0.312484	1
## 5054	98.23898	0.278566	1
## 5055	102.31615	0.277550	1
## 5056	85.80222	0.296872	1
## 5057	91.78256	0.285468	1
## 5058	85.94382	0.465107	1
## 5059	91.79528	0.353744	1
## 5060	85.68885	0.393016	1
## 5061	88.57694	0.561185	1
## 5062	95.13130	0.623573	1
## 5063	108.76306	0.700271	1
## 5064	88.17635	0.699936	1
## 5065	113.16915	0.880487	1
## 5066	108.27298	0.863753	1
## 5067	98.97471	0.784772	1
## 5068	95.90120	0.772423	1
## 5069	105.66951	0.785043	1
## 5070	118.54340	0.842160	1
## 5071	115.94878	0.833524	1
## 5072	88.47190	0.640121	1
## 5073	120.82569	0.262769	1
## 5074	122.00048	0.492056	1
## 5075	99.03561	0.436725	1
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## 5077	114.17347	0.432020	1
## 5078	119.07542	0.417343	1
## 5079	105.23032	0.608932	1
## 5080	130.65515	0.695813	1
## 5081	91.44755	0.461674	1
## 5082	117.63773	0.538969	1
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## 5086	98.27916	0.632698	1
## 5087	130.25754	0.240227	1
## 5088	120.66576	0.682648	1
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## 5092	107.46961	0.177062	1
## 5093	121.88847	0.691327	1
## 5094	117.13691	0.848631	1
## 5095	110.43761	0.629013	1
## 5096	104.63886	0.660155	1
## 5097	102.03464	0.804891	1
## 5098	98.84367	0.814404	1
## 5099	108.33307	0.611914	1
## 5100	109.13997	0.733052	1
## 5101	89.91989	0.798216	1

## 5102	92.46861	0.632644	1
## 5103	97.39283	0.822535	1
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## 5109	123.92347	0.286311	1
## 5110	103.48229	0.306272	1
## 5111	157.06108	0.524105	-1
## 5112	158.14896	0.538840	-1
## 5113	153.69933	0.707547	-1
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## 5118	145.75398	0.792756	-1
## 5119	116.02636	0.715456	-1
## 5120	135.46346	0.693540	-1
## 5121	133.83467	0.818998	-1
## 5122	142.55138	0.856605	-1
## 5123	147.29077	0.786427	-1
## 5124	143.25794	0.783246	-1
## 5125	113.09438	0.378619	-1
## 5126	133.43622	0.587442	-1
## 5127	115.28806	0.420635	-1
## 5128	131.87595	0.662185	-1
## 5129	146.89822	0.254690	-1
## 5130	141.29475	0.376809	-1
## 5131	114.60068	0.335413	-1
## 5132	90.31187	0.402975	-1
## 5133	100.06507	0.393279	-1
## 5134	90.92564	0.383838	-1
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## 5139	84.68770	0.446286	1
## 5140	92.69461	0.591414	1
## 5141	96.59550	0.246416	1
## 5142	95.03695	0.314103	1
## 5143	109.96493	0.270214	1
## 5144	124.97644	0.399679	1
## 5145	131.13185	0.420022	1
## 5146	122.91135	0.657833	1
## 5147	124.33065	0.678812	1
## 5148	116.90527	0.266648	1
## 5149	97.25635	0.345087	1
## 5150	110.95454	0.331181	1
## 5151	127.39584	0.380865	1
## 5152	86.23029	0.318373	1
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## 5154	146.56058	0.299371	1
## 5155	130.83507	0.574563	1

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## 5159	111.39287	0.390240	1
## 5160	121.60601	0.602686	1
## 5161	119.35387	0.795117	1
## 5162	138.50339	0.616643	1
## 5163	144.57864	0.737363	1
## 5164	137.91542	0.791816	1
## 5165	102.76906	0.736903	1
## 5166	125.99936	0.859254	1
## 5167	113.67149	0.396954	1
## 5168	120.45066	0.363259	1
## 5169	119.38635	0.300859	1
## 5170	109.51063	0.367148	1
## 5171	126.57639	0.361200	1
## 5172	125.16711	0.314554	1
## 5173	93.88517	0.350377	1
## 5174	84.83147	0.448876	1
## 5175	105.07435	0.342860	1
## 5176	116.20807	0.602730	1
## 5177	75.86883	0.765802	1
## 5178	119.27661	0.405429	1
## 5179	144.32083	0.484070	1
## 5180	73.44726	0.377483	1
## 5181	112.36426	0.493036	1
## 5182	119.43219	0.440889	1
## 5183	135.26399	0.490714	1
## 5184	100.16201	0.539701	1
## 5185	121.79328	0.807154	1
## 5186	110.34499	0.261786	1
## 5187	137.30759	0.891526	1
## 5188	123.27224	0.877406	1
## 5189	106.23595	0.562158	1
## 5190	140.26840	0.595120	1
## 5191	106.09735	0.458997	1
## 5192	118.45833	0.320479	1
## 5193	106.38760	0.433891	1
## 5194	116.29100	0.751801	1
## 5195	90.80563	0.524604	1
## 5196	118.28268	0.566865	1
## 5197	132.82217	0.557575	1
## 5198	126.39990	0.631159	1
## 5199	113.52776	0.524160	1
## 5200	130.32459	0.768905	1
## 5201	125.94299	0.664024	1
## 5202	131.45848	0.599375	1
## 5203	138.73932	0.535544	1
## 5204	117.36433	0.642532	1
## 5205	96.51727	0.780240	1
## 5206	87.98955	0.389383	1
## 5207	131.53545	0.678116	-1
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## 5209	121.49860	0.517583	-1

## 5210	108.85116	0.315621	-1
## 5211	127.22334	0.312079	-1
## 5212	126.45749	0.256858	-1
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## 5215	118.23104	0.352867	-1
## 5216	128.71565	0.579332	-1
## 5217	114.51653	0.274966	-1
## 5218	112.53751	0.274463	-1
## 5219	122.47216	0.348486	-1
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## 5221	116.48068	0.316695	-1
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## 5224	141.97113	0.400249	-1
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## 5231	137.57843	0.506144	-1
## 5232	124.06782	0.445143	-1
## 5233	98.70335	0.531467	-1
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## 5236	110.10017	0.664035	-1
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## 5248	99.40066	0.545251	1
## 5249	119.09174	0.531457	1
## 5250	85.72674	0.711344	1
## 5251	80.83763	0.383191	1
## 5252	86.62927	0.431985	1
## 5253	99.58276	0.487160	1
## 5254	133.42053	0.521627	1
## 5255	133.00977	0.797443	1
## 5256	140.57657	0.745968	1
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## 5258	109.54298	0.815717	1
## 5259	123.65977	0.671158	1
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## 5287	77.11111	0.459774	1
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## 5303	107.50905	0.595114	1
## 5304	104.65601	0.836681	1
## 5305	106.31866	0.806709	1
## 5306	107.01436	0.677512	1
## 5307	102.36607	0.577738	1
## 5308	107.33746	0.585674	1
## 5309	118.44209	0.808092	1
## 5310	109.94714	0.794293	1
## 5311	114.01035	0.830367	1
## 5312	80.76405	0.274573	1
## 5313	119.57372	0.507269	1
## 5314	137.64148	0.559101	1
## 5315	133.67169	0.618350	1
## 5316	105.18605	0.287433	1
## 5317	95.49952	0.357657	1

## 5318	114.80950	0.317977	-1
## 5319	140.04564	0.288764	-1
## 5320	140.61337	0.369985	-1
## 5321	145.24474	0.378455	-1
## 5322	113.67024	0.382786	-1
## 5323	140.72057	0.385833	-1
## 5324	143.41661	0.448626	-1
## 5325	137.96123	0.412134	-1
## 5326	141.60991	0.411109	-1
## 5327	132.72777	0.488818	-1
## 5328	144.23476	0.415347	-1
## 5329	143.82848	0.435377	-1
## 5330	141.85800	0.443661	-1
## 5331	127.13985	0.375095	-1
## 5332	128.59242	0.520144	-1
## 5333	112.67749	0.516766	-1
## 5334	120.98498	0.606544	-1
## 5335	117.70936	0.524379	-1
## 5336	111.80953	0.481118	-1
## 5337	121.42918	0.594669	-1
## 5338	123.65826	0.630908	-1
## 5339	110.55920	0.557696	-1
## 5340	94.15482	0.512212	-1
## 5341	115.69273	0.492607	-1
## 5342	99.68998	0.556739	-1
## 5343	122.50566	0.732255	-1
## 5344	122.02831	0.716926	-1
## 5345	117.69785	0.293253	-1
## 5346	145.20595	0.516172	-1
## 5347	117.83408	0.340032	-1
## 5348	120.52980	0.366723	-1
## 5349	141.84033	0.373908	-1
## 5350	137.44163	0.543126	-1
## 5351	105.64841	0.518382	-1
## 5352	116.10393	0.306732	-1
## 5353	132.21289	0.368534	-1
## 5354	141.46462	0.339880	-1
## 5355	143.60020	0.831210	-1
## 5356	126.10441	0.838601	-1
## 5357	144.82816	0.567857	-1
## 5358	139.44345	0.542130	-1
## 5359	160.31171	0.365773	-1
## 5360	139.15295	0.370882	-1
## 5361	127.74888	0.245147	-1
## 5362	116.02383	0.281790	-1
## 5363	113.69412	0.306472	-1
## 5364	126.13588	0.871344	-1
## 5365	127.41142	0.274036	-1
## 5366	120.15520	0.290802	-1
## 5367	123.63588	0.292070	-1
## 5368	128.99999	0.278844	-1
## 5369	141.47520	0.260030	-1
## 5370	135.20912	0.322920	-1
## 5371	129.85289	0.332509	-1

## 5372	136.12166	0.392896	-1
## 5373	140.11005	0.348474	-1
## 5374	140.58688	0.373935	-1
## 5375	128.74338	0.586883	-1
## 5376	118.48614	0.467611	-1
## 5377	138.63506	0.402096	-1
## 5378	131.25468	0.551719	-1
## 5379	140.80156	0.404023	-1
## 5380	158.28249	0.338564	-1
## 5381	146.04288	0.295434	-1
## 5382	122.27939	0.402827	-1
## 5383	148.97330	0.426174	-1
## 5384	137.07623	0.341243	-1
## 5385	134.51115	0.338319	-1
## 5386	139.01518	0.632764	-1
## 5387	130.22827	0.542262	-1
## 5388	142.34418	0.431431	-1
## 5389	114.99844	0.420640	-1
## 5390	127.76578	0.262903	-1
## 5391	124.56550	0.348265	-1
## 5392	121.82244	0.403368	-1
## 5393	138.23305	0.403500	-1
## 5394	102.23262	0.452607	-1
## 5395	113.30159	0.469131	-1
## 5396	134.92311	0.462547	-1
## 5397	132.06477	0.480936	-1
## 5398	148.55475	0.420208	-1
## 5399	126.95185	0.371458	-1
## 5400	136.15909	0.494008	-1
## 5401	138.30417	0.612353	-1
## 5402	139.39610	0.764089	-1
## 5403	132.72919	0.723556	-1
## 5404	133.85539	0.570224	-1
## 5405	140.89134	0.525820	-1
## 5406	128.79283	0.602528	-1
## 5407	126.75496	0.791341	-1
## 5408	134.10071	0.264574	-1
## 5409	111.73301	0.384194	-1
## 5410	125.30835	0.386203	-1
## 5411	125.77662	0.607004	-1
## 5412	126.26894	0.311994	-1
## 5413	117.75388	0.520267	-1
## 5414	112.54256	0.539491	-1
## 5415	121.06821	0.434922	-1
## 5416	132.54846	0.555862	-1
## 5417	127.72263	0.356374	-1
## 5418	112.02975	0.257171	-1
## 5419	96.36031	0.296201	1
## 5420	92.86983	0.458822	1
## 5421	117.14317	0.416824	1
## 5422	115.49300	0.274468	1
## 5423	133.98384	0.240982	1
## 5424	126.13590	0.353467	1
## 5425	131.12036	0.355664	1

## 5426	129.26689	0.367716	1
## 5427	139.87981	0.351657	1
## 5428	135.04684	0.340730	1
## 5429	142.01578	0.223843	1
## 5430	134.64996	0.288692	1
## 5431	140.22336	0.316012	1
## 5432	127.67581	0.275247	1
## 5433	134.58661	0.282162	1
## 5434	133.45664	0.460619	1
## 5435	100.65654	0.306262	1
## 5436	124.74567	0.351107	1
## 5437	140.65506	0.422371	1
## 5438	137.77480	0.342145	1
## 5439	137.94406	0.191778	1
## 5440	141.20872	0.374066	1
## 5441	129.90292	0.424740	1
## 5442	118.21835	0.389495	1
## 5443	127.78378	0.530459	1
## 5444	127.39005	0.741327	1
## 5445	126.04759	0.702755	1
## 5446	134.22275	0.766420	1
## 5447	122.35375	0.637668	1
## 5448	102.35438	0.546305	1
## 5449	96.32066	0.764017	1
## 5450	122.36344	0.356812	1
## 5451	99.21005	0.716181	1
## 5452	109.86395	0.726702	1
## 5453	102.25733	0.718828	1
## 5454	81.44934	0.449944	1
## 5455	72.95518	0.731214	1
## 5456	85.57060	0.761098	1
## 5457	105.56193	0.787223	1
## 5458	83.14663	0.540476	1
## 5459	96.93759	0.543883	1
## 5460	81.66024	0.687267	1
## 5461	88.05306	0.706332	1
## 5462	88.89001	0.599796	1
## 5463	90.86258	0.786365	1
## 5464	105.46211	0.665118	1
## 5465	112.09047	0.594221	1
## 5466	106.16689	0.300522	1
## 5467	118.63956	0.548760	1
## 5468	112.78797	0.250772	1
## 5469	124.99185	0.463580	1
## 5470	125.25967	0.287970	1
## 5471	117.87699	0.347045	1
## 5472	121.63888	0.587358	1
## 5473	134.66461	0.494879	1
## 5474	110.67790	0.424888	1
## 5475	129.43349	0.567640	1
## 5476	110.23391	0.512078	1
## 5477	83.82008	0.827720	1
## 5478	90.77593	0.845365	1
## 5479	100.78188	0.649379	1

## 5480	103.48204	0.672044	1
## 5481	118.09646	0.645988	1
## 5482	129.58672	0.711846	1
## 5483	136.10770	0.613369	1
## 5484	137.14877	0.583699	1
## 5485	108.71973	0.416145	1
## 5486	105.90685	0.367465	1
## 5487	109.84465	0.646329	1
## 5488	91.94413	0.365488	1
## 5489	135.02869	0.430854	1
## 5490	158.05783	0.660322	1
## 5491	120.28857	0.798878	1
## 5492	118.07534	0.536319	1
## 5493	76.79960	0.787861	1
## 5494	127.70863	0.397417	1
## 5495	139.29359	0.540074	1
## 5496	121.35476	0.725875	1
## 5497	125.85268	0.718353	1
## 5498	114.34180	0.672369	1
## 5499	114.36339	0.574022	1
## 5500	91.14117	0.588786	1
## 5501	102.53793	0.764111	1
## 5502	104.29699	0.775162	1
## 5503	103.98707	0.845949	1
## 5504	113.55130	0.602342	1
## 5505	99.82745	0.550998	1
## 5506	89.34244	0.584813	1
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## 5508	112.88564	0.803256	1
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## 5510	89.71287	0.236551	1
## 5511	110.66370	0.501039	1
## 5512	100.76075	0.552925	1
## 5513	111.97083	0.577179	1
## 5514	135.54086	0.266682	1
## 5515	97.21646	0.425437	1
## 5516	84.03644	0.279976	1
## 5517	85.03432	0.290785	1
## 5518	92.16975	0.340773	-1
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## 5528	96.81262	0.333389	-1
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## 5555	114.91927	0.301103	-1
## 5556	145.37035	0.632487	-1
## 5557	145.20392	0.767350	-1
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## 5559	144.47005	0.877265	-1
## 5560	146.85983	0.806845	-1
## 5561	148.10602	0.815056	-1
## 5562	142.88011	0.779632	-1
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## 5634	147.03332	0.602160	-1
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## 5708	144.33192	0.702612	-1
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## 5728	105.77333	0.760434	1
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## 5730	111.18281	0.533034	1
## 5731	100.97983	0.737766	1
## 5732	92.60541	0.350531	1
## 5733	97.98933	0.689345	1
## 5734	107.95408	0.732879	1
## 5735	91.76530	0.634813	1
## 5736	115.03928	0.769154	1
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## 5743	106.46784	0.229622	1
## 5744	87.13677	0.247890	1
## 5745	90.32523	0.302201	1
## 5746	127.08788	0.136333	1
## 5747	100.17693	0.320862	1
## 5748	134.47348	0.306843	1
## 5749	95.19999	0.207863	1

## 5750	122.32585	0.274745	1
## 5751	115.55118	0.255559	1
## 5752	92.36517	0.232542	1
## 5753	135.04073	0.406840	1
## 5754	119.70010	0.518802	1
## 5755	86.16494	0.470793	1
## 5756	91.39331	0.125488	1
## 5757	125.96709	0.109511	1
## 5758	122.01904	0.345092	1
## 5759	124.37901	0.230492	1
## 5760	64.73813	0.348660	1
## 5761	110.32057	0.162030	1
## 5762	111.81650	0.279269	1
## 5763	103.78059	0.261706	1
## 5764	112.61784	0.403760	1
## 5765	108.91876	0.758910	1
## 5766	123.14903	0.523963	1
## 5767	126.40266	0.591803	1
## 5768	93.58119	0.579674	1
## 5769	126.15625	0.623946	1
## 5770	135.02112	0.626587	1
## 5771	118.39333	0.753896	1
## 5772	142.28404	0.467853	1
## 5773	120.35647	0.736872	1
## 5774	135.96249	0.515974	1
## 5775	134.64792	0.506974	1
## 5776	130.85854	0.695418	1
## 5777	137.42143	0.503065	1
## 5778	134.63559	0.647672	1
## 5779	151.16524	0.684318	1
## 5780	143.85194	0.498685	1
## 5781	124.14946	0.360089	1
## 5782	130.99049	0.583927	1
## 5783	138.39944	0.731461	1
## 5784	128.08067	0.668140	1
## 5785	142.17381	0.824130	1
## 5786	128.47899	0.442236	1
## 5787	133.27431	0.788597	1
## 5788	132.79457	0.681568	1
## 5789	145.13989	0.778297	1
## 5790	142.24831	0.571746	1
## 5791	132.90411	0.552652	1
## 5792	125.32581	0.510690	1
## 5793	116.88609	0.713787	1
## 5794	114.88546	0.672433	1
## 5795	141.10269	0.915496	1
## 5796	131.14970	0.379086	1
## 5797	146.89255	0.363741	1
## 5798	100.89221	0.211837	1
## 5799	103.08019	0.231567	1
## 5800	92.78281	0.253844	1
## 5801	127.84875	0.235329	1
## 5802	127.17550	0.342243	1
## 5803	135.24844	0.272210	1

## 5804	155.16086	0.216591	1
## 5805	159.60001	0.383660	1
## 5806	138.89780	0.218046	1
## 5807	116.47606	0.347757	1
## 5808	109.12400	0.289531	1
## 5809	111.45224	0.327990	1
## 5810	131.86791	0.174861	1
## 5811	99.20594	0.277510	1
## 5812	123.58554	0.351983	1
## 5813	125.77123	0.137851	1
## 5814	123.54860	0.096699	1
## 5815	112.63141	0.317794	1
## 5816	126.07674	0.327301	1
## 5817	119.64871	0.214817	1
## 5818	106.85587	0.308466	1
## 5819	133.03117	0.416882	1
## 5820	111.56382	0.211041	1
## 5821	120.00339	0.311879	1
## 5822	122.27485	0.488314	1
## 5823	97.16831	0.286104	1
## 5824	122.68973	0.277690	1
## 5825	117.87740	0.454465	1
## 5826	160.55588	0.495608	1
## 5827	145.73718	0.185533	1
## 5828	144.15364	0.567848	-1
## 5829	141.53557	0.348111	-1
## 5830	130.67891	0.517609	-1
## 5831	150.77748	0.815002	-1
## 5832	113.55177	0.504360	-1
## 5833	145.35469	0.813429	-1
## 5834	152.25552	0.736964	-1
## 5835	136.42743	0.244451	-1
## 5836	153.21843	0.800572	-1
## 5837	158.56317	0.732610	-1
## 5838	142.53215	0.452207	-1
## 5839	151.75632	0.797029	-1
## 5840	151.68553	0.838008	-1
## 5841	153.61876	0.763978	-1
## 5842	156.23119	0.778833	-1
## 5843	131.98709	0.634953	-1
## 5844	141.54866	0.816322	-1
## 5845	152.48764	0.808375	-1
## 5846	122.20543	0.536398	-1
## 5847	153.69426	0.838944	-1
## 5848	145.06187	0.734740	-1
## 5849	146.68410	0.719288	-1
## 5850	141.41275	0.775814	-1
## 5851	143.76109	0.742756	-1
## 5852	149.39816	0.785364	-1
## 5853	146.38838	0.688753	-1
## 5854	146.02832	0.681129	-1
## 5855	141.56914	0.717029	-1
## 5856	151.41957	0.726360	-1
## 5857	123.46369	0.400500	-1

## 5858	144.62445	0.766803	-1
## 5859	146.43338	0.756377	-1
## 5860	150.88992	0.774267	-1
## 5861	138.99814	0.721193	-1
## 5862	144.30272	0.713686	-1
## 5863	160.51216	0.736003	-1
## 5864	151.88567	0.712703	-1
## 5865	157.60770	0.759156	-1
## 5866	140.34198	0.774974	-1
## 5867	139.39352	0.595240	-1
## 5868	133.64761	0.630569	-1
## 5869	120.62167	0.253665	-1
## 5870	137.77472	0.562985	-1
## 5871	143.56557	0.751379	-1
## 5872	145.38619	0.597831	-1
## 5873	145.21397	0.705496	-1
## 5874	136.77799	0.606594	-1
## 5875	135.37561	0.564789	-1
## 5876	145.40396	0.710765	-1
## 5877	144.65897	0.367416	-1
## 5878	140.41870	0.339414	-1
## 5879	139.85495	0.671047	-1
## 5880	142.51057	0.538272	-1
## 5881	151.69209	0.670207	-1
## 5882	145.74199	0.678366	-1
## 5883	148.09152	0.756195	-1
## 5884	144.26312	0.780370	-1
## 5885	151.96860	0.822344	-1
## 5886	149.13071	0.620886	-1
## 5887	153.46971	0.652691	-1
## 5888	140.96191	0.723714	-1
## 5889	148.33530	0.792130	-1
## 5890	156.31894	0.745217	-1
## 5891	145.16542	0.665239	-1
## 5892	147.61232	0.761932	-1
## 5893	153.17401	0.723251	-1
## 5894	160.54915	0.730560	-1
## 5895	147.43027	0.855840	-1
## 5896	145.74146	0.659487	-1
## 5897	152.06189	0.640331	-1
## 5898	149.80298	0.775813	-1
## 5899	150.76067	0.747615	-1
## 5900	150.11186	0.695073	-1
## 5901	142.26007	0.701649	-1
## 5902	149.93986	0.713305	-1
## 5903	141.05493	0.750281	-1
## 5904	151.71501	0.773383	-1
## 5905	153.07240	0.682584	-1
## 5906	152.75209	0.665594	-1
## 5907	149.00066	0.654507	-1
## 5908	151.05336	0.719885	-1
## 5909	151.99095	0.745920	-1
## 5910	117.40334	0.744147	1
## 5911	92.16812	0.383314	1

## 5912	96.02287	0.289466	1
## 5913	71.52782	0.365476	1
## 5914	91.89119	0.465272	1
## 5915	83.04929	0.417908	1
## 5916	95.33569	0.355635	1
## 5917	84.54002	0.462010	1
## 5918	88.34316	0.509869	1
## 5919	104.18391	0.310380	1
## 5920	89.74514	0.292501	1
## 5921	113.90745	0.821942	1
## 5922	146.84784	0.391070	1
## 5923	134.48202	0.359476	1
## 5924	135.89450	0.685984	1
## 5925	126.98280	0.375796	1
## 5926	122.38390	0.439684	1
## 5927	80.19295	0.664326	1
## 5928	113.83838	0.824402	1
## 5929	117.88676	0.556520	1
## 5930	109.52356	0.817885	1
## 5931	118.26717	0.316179	1
## 5932	113.35626	0.410692	1
## 5933	121.44959	0.432188	1
## 5934	131.98390	0.644214	1
## 5935	103.06874	0.812100	1
## 5936	135.02907	0.631217	1
## 5937	136.20934	0.762292	1
## 5938	144.59523	0.754247	1
## 5939	136.67368	0.912264	1
## 5940	109.49685	0.425168	1
## 5941	103.90546	0.405961	1
## 5942	117.33678	0.493039	1
## 5943	137.38025	0.511726	1
## 5944	129.71512	0.461201	1
## 5945	136.46173	0.431195	1
## 5946	148.39423	0.452527	1
## 5947	109.67666	0.468888	1
## 5948	113.60482	0.344598	1
## 5949	139.00694	0.390875	1
## 5950	135.87611	0.831051	1
## 5951	128.28481	0.533078	1
## 5952	127.13132	0.719552	1
## 5953	112.67027	0.611665	1
## 5954	107.00075	0.727774	1
## 5955	106.18835	0.702598	1
## 5956	108.14938	0.401801	1
## 5957	99.46759	0.558956	1
## 5958	105.42242	0.711929	1
## 5959	123.33459	0.846671	1
## 5960	113.91721	0.810822	1
## 5961	112.86958	0.880897	1
## 5962	105.03716	0.804915	1
## 5963	105.29960	0.555560	1
## 5964	103.01159	0.386949	1
## 5965	115.77408	0.500638	1

## 5966	108.08479	0.832389	1
## 5967	133.71303	0.559123	1
## 5968	142.43605	0.498908	1
## 5969	130.73558	0.614479	1
## 5970	145.77650	0.548995	1
## 5971	165.83919	0.493504	1
## 5972	130.93617	0.420537	1
## 5973	160.85890	0.542013	1
## 5974	114.02212	0.474219	1
## 5975	136.69746	0.838010	1
## 5976	111.95887	0.655154	1
## 5977	101.11974	0.858180	1
## 5978	113.31863	0.588702	1
## 5979	127.81387	0.427515	1
## 5980	79.81804	0.653502	1
## 5981	129.14223	0.296697	1
## 5982	96.07379	0.297449	1
## 5983	134.01927	0.417771	1
## 5984	136.92235	0.381537	1
## 5985	160.76991	0.456200	1
## 5986	169.93964	0.441828	1
## 5987	144.70924	0.476237	1
## 5988	140.16156	0.437136	1
## 5989	143.70509	0.427345	1
## 5990	135.01065	0.761815	1
## 5991	124.30298	0.531656	1
## 5992	117.27885	0.893707	1
## 5993	95.75824	0.528397	1
## 5994	110.39801	0.467595	1
## 5995	113.43831	0.491399	1
## 5996	116.01305	0.464565	1
## 5997	127.70355	0.445724	1
## 5998	109.85003	0.421367	1
## 5999	97.98518	0.293836	1
## 6000	111.04330	0.504345	1
## 6001	128.24965	0.352028	1
## 6002	119.67102	0.431132	1
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## 6008	129.74307	0.484035	1
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## 6010	81.87139	0.421679	1
## 6011	92.74784	0.621109	1
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## 6014	123.92111	0.890164	1
## 6015	121.22834	0.873800	1
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## 6017	127.97948	0.617053	1
## 6018	124.70068	0.757560	1
## 6019	121.52194	0.534654	1

## 6020	133.68401	0.702165	1
## 6021	118.10862	0.622167	1
## 6022	132.89722	0.527827	1
## 6023	123.41682	0.755544	1
## 6024	147.89375	0.724534	-1
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## 6026	141.75264	0.747347	-1
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## 6030	148.31985	0.790643	-1
## 6031	146.76019	0.729218	-1
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## 6044	143.82205	0.737897	-1
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## 6046	140.31076	0.601881	-1
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## 6049	152.42255	0.734983	-1
## 6050	148.22763	0.649593	-1
## 6051	147.78514	0.792689	-1
## 6052	138.96504	0.480420	-1
## 6053	153.29131	0.808255	-1
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## 6055	149.14188	0.741009	-1
## 6056	147.71405	0.776852	-1
## 6057	147.78995	0.804041	-1
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## 6060	143.50326	0.771600	-1
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## 6062	148.68773	0.700527	-1
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## 6064	155.05937	0.772574	-1
## 6065	154.26511	0.817341	-1
## 6066	149.47830	0.444160	-1
## 6067	150.45938	0.479550	-1
## 6068	117.09213	0.391634	-1
## 6069	145.77508	0.751630	-1
## 6070	146.95943	0.719798	-1
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## 6079	156.96756	0.750993	-1
## 6080	143.18408	0.733845	-1
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## 6084	158.00093	0.799534	-1
## 6085	108.83438	0.738972	-1
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## 6090	83.77937	0.535885	1
## 6091	106.33713	0.311699	1
## 6092	101.31110	0.284959	1
## 6093	106.02924	0.835778	1
## 6094	157.55238	0.413984	1
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## 6098	130.25073	0.441954	1
## 6099	114.10831	0.324843	1
## 6100	130.45641	0.494112	1
## 6101	151.56506	0.423112	1
## 6102	99.14405	0.416681	1
## 6103	95.90594	0.324329	1
## 6104	97.14417	0.715288	1
## 6105	119.48971	0.364414	1
## 6106	106.44869	0.403930	1
## 6107	113.27387	0.644964	1
## 6108	122.54822	0.876252	1
## 6109	88.33028	0.330778	1
## 6110	83.17420	0.683107	1
## 6111	117.21733	0.520784	1
## 6112	101.63860	0.535632	1
## 6113	80.61155	0.824828	1
## 6114	97.94417	0.792764	1
## 6115	94.64173	0.603085	1
## 6116	100.20008	0.513820	1
## 6117	105.40015	0.491242	1
## 6118	95.92607	0.302469	1
## 6119	122.68774	0.441123	1
## 6120	114.12067	0.388191	1
## 6121	97.30714	0.472204	1
## 6122	115.48879	0.772941	1
## 6123	87.45610	0.483224	1
## 6124	118.61234	0.426322	1
## 6125	138.21834	0.518834	1
## 6126	151.68282	0.598921	1
## 6127	124.64273	0.380315	1

## 6128	127.93654	0.481202	1
## 6129	104.96558	0.374427	1
## 6130	133.70337	0.290228	1
## 6131	132.43585	0.505499	1
## 6132	101.08600	0.417343	1
## 6133	115.96018	0.487000	1
## 6134	99.35933	0.541772	1
## 6135	114.16465	0.819195	1
## 6136	121.54143	0.268891	1
## 6137	116.72061	0.859524	1
## 6138	145.80006	0.665006	-1
## 6139	141.51427	0.626303	-1
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## 6143	142.01544	0.713014	-1
## 6144	130.80368	0.649999	-1
## 6145	146.74724	0.756506	-1
## 6146	89.24823	0.746278	-1
## 6147	127.88631	0.519459	-1
## 6148	139.15834	0.754834	-1
## 6149	126.79368	0.297796	1
## 6150	111.14574	0.459624	1
## 6151	96.45159	0.544402	1
## 6152	113.84328	0.355614	1
## 6153	100.49901	0.271998	1
## 6154	112.36357	0.755789	1
## 6155	138.09093	0.284284	1
## 6156	78.32677	0.447122	1
## 6157	101.15031	0.535890	1
## 6158	79.02341	0.406992	1
## 6159	92.35603	0.461876	1
## 6160	118.56064	0.508500	1
## 6161	128.96053	0.713364	1
## 6162	112.76354	0.595022	1
## 6163	122.56829	0.338585	1
## 6164	111.32913	0.631040	1
## 6165	119.36364	0.818238	1
## 6166	99.45355	0.468567	1
## 6167	96.02415	0.420580	1
## 6168	113.88072	0.512466	1
## 6169	107.16534	0.508581	1
## 6170	97.94579	0.512988	1
## 6171	92.79206	0.655895	1
## 6172	95.41039	0.403289	1
## 6173	108.90923	0.541073	1
## 6174	91.83919	0.547320	1
## 6175	116.92245	0.537332	1
## 6176	108.93848	0.422955	1
## 6177	88.15723	0.363710	1
## 6178	81.69559	0.544058	1
## 6179	93.71726	0.433205	1
## 6180	93.21424	0.394359	1
## 6181	99.58562	0.440339	1

## 6182	111.96390	0.664951	1
## 6183	82.50296	0.593671	1
## 6184	104.74073	0.512509	1
## 6185	118.61744	0.551003	1
## 6186	111.28497	0.412757	1
## 6187	107.14180	0.584181	1
## 6188	119.92998	0.680557	1
## 6189	131.21951	0.487978	1
## 6190	109.46412	0.459649	1
## 6191	103.20709	0.753405	1
## 6192	100.65735	0.483089	1
## 6193	146.21747	0.449145	1
## 6194	130.00282	0.484108	1
## 6195	120.44177	0.512265	1
## 6196	140.76001	0.723555	1
## 6197	115.66542	0.425140	1
## 6198	96.66635	0.624455	1
## 6199	61.20042	0.559153	1
## 6200	62.99981	0.617790	1
## 6201	66.86106	0.517689	1
## 6202	125.54305	0.612047	1
## 6203	116.83336	0.423110	1
## 6204	110.17046	0.586908	1
## 6205	105.67587	0.445599	1
## 6206	94.60506	0.392670	1
## 6207	116.48015	0.446080	1
## 6208	118.46781	0.363910	1
## 6209	99.85206	0.691506	1
## 6210	94.87210	0.457950	1
## 6211	115.78690	0.399288	1
## 6212	106.57061	0.745883	1
## 6213	92.06647	0.845819	1
## 6214	82.59470	0.558538	1
## 6215	128.09749	0.408009	1
## 6216	122.17693	0.459063	1
## 6217	139.25176	0.461187	1
## 6218	108.30894	0.280196	1
## 6219	100.41018	0.500671	1
## 6220	100.75583	0.417955	1
## 6221	115.07588	0.489664	1
## 6222	100.71019	0.534814	1
## 6223	108.34016	0.806967	1
## 6224	125.63454	0.252432	1
## 6225	128.65082	0.856130	1
## 6226	126.36211	0.897211	1
## 6227	84.37259	0.635579	1
## 6228	80.14001	0.397406	1
## 6229	152.31807	0.458601	1
## 6230	125.40926	0.516119	1
## 6231	138.36638	0.696707	1
## 6232	116.88243	0.687856	1
## 6233	107.85882	0.524458	1
## 6234	147.98843	0.488927	1
## 6235	131.76193	0.557467	1

## 6236	146.78389	0.539589	1
## 6237	132.95283	0.479775	1
## 6238	108.35596	0.746849	1
## 6239	115.85667	0.488487	1
## 6240	106.24835	0.616170	1
## 6241	117.30040	0.518409	1
## 6242	126.40393	0.788253	1
## 6243	127.47868	0.395934	1
## 6244	125.34090	0.362341	1
## 6245	125.56686	0.355522	1
## 6246	89.36820	0.306458	1
## 6247	126.11794	0.357761	1
## 6248	105.49187	0.368645	1
## 6249	102.20689	0.413481	1
## 6250	94.53180	0.365717	1
## 6251	101.36013	0.723311	1
## 6252	102.42885	0.756743	1
## 6253	96.08678	0.303679	1
## 6254	79.45698	0.504599	1
## 6255	71.65430	0.252828	1
## 6256	93.11797	0.455618	1
## 6257	83.07725	0.291680	1
## 6258	85.56244	0.340693	1
## 6259	102.48214	0.568061	1
## 6260	118.94478	0.523795	1
## 6261	127.95395	0.685849	-1
## 6262	107.98397	0.714177	-1
## 6263	105.40618	0.623521	-1
## 6264	81.66580	0.523323	-1
## 6265	91.69805	0.571965	-1
## 6266	111.07423	0.565370	-1
## 6267	103.86713	0.804928	-1
## 6268	110.98161	0.848117	-1
## 6269	105.05538	0.609528	-1
## 6270	100.71955	0.533926	-1
## 6271	106.36067	0.578992	-1
## 6272	107.86013	0.806645	-1
## 6273	113.64203	0.797577	-1
## 6274	104.98328	0.819320	-1
## 6275	115.40703	0.236096	-1
## 6276	137.56369	0.498503	-1
## 6277	135.87067	0.450357	-1
## 6278	113.54569	0.538266	-1
## 6279	117.02477	0.312146	-1
## 6280	112.05502	0.281550	-1
## 6281	105.03235	0.703987	-1
## 6282	146.04472	0.737391	-1
## 6283	143.98022	0.685111	-1
## 6284	144.87578	0.759747	-1
## 6285	151.72383	0.769861	-1
## 6286	147.24565	0.758150	-1
## 6287	122.90268	0.693830	-1
## 6288	138.08176	0.741817	-1
## 6289	132.45254	0.724396	-1

## 6290	107.32938	0.490394	-1
## 6291	140.29710	0.717907	-1
## 6292	141.76175	0.681364	-1
## 6293	133.49855	0.706870	-1
## 6294	152.76730	0.772895	-1
## 6295	126.91609	0.483435	-1
## 6296	144.36101	0.791060	-1
## 6297	122.04417	0.664181	-1
## 6298	139.64084	0.757622	-1
## 6299	147.98456	0.720814	-1
## 6300	151.37676	0.754083	-1
## 6301	134.42903	0.358294	-1
## 6302	144.84315	0.709849	-1
## 6303	145.92052	0.726871	-1
## 6304	155.06532	0.740566	-1
## 6305	115.66861	0.366417	-1
## 6306	154.59921	0.769112	-1
## 6307	145.74142	0.713100	-1
## 6308	150.67694	0.750576	-1
## 6309	155.70567	0.769245	-1
## 6310	117.37949	0.478850	-1
## 6311	161.59840	0.779840	-1
## 6312	154.12537	0.790777	-1
## 6313	147.69020	0.846362	-1
## 6314	129.39496	0.541042	-1
## 6315	146.00850	0.726904	-1
## 6316	146.37897	0.794065	-1
## 6317	132.20544	0.504766	-1
## 6318	141.94594	0.777027	-1
## 6319	147.54414	0.699696	-1
## 6320	154.24728	0.794155	-1
## 6321	156.53230	0.808610	-1
## 6322	135.32272	0.298209	-1
## 6323	146.93141	0.449471	-1
## 6324	143.87344	0.504177	-1
## 6325	146.98485	0.768359	-1
## 6326	143.35623	0.788910	-1
## 6327	144.14535	0.725235	-1
## 6328	134.48413	0.318161	-1
## 6329	132.37259	0.541093	-1
## 6330	134.47594	0.733663	-1
## 6331	132.26611	0.292976	-1
## 6332	113.77616	0.437047	-1
## 6333	113.52286	0.531306	-1
## 6334	111.63792	0.331114	-1
## 6335	108.51019	0.272530	-1
## 6336	115.75569	0.784659	1
## 6337	101.22740	0.456688	1
## 6338	108.81932	0.512029	1
## 6339	101.54808	0.428120	1
## 6340	95.97322	0.505384	1
## 6341	167.12013	0.432048	1
## 6342	141.65427	0.498732	1
## 6343	95.02013	0.545103	1

## 6344	106.64271	0.556410	1
## 6345	128.91287	0.722506	1
## 6346	123.98711	0.728897	1
## 6347	107.86589	0.625830	1
## 6348	126.23259	0.758544	1
## 6349	108.88923	0.672024	1
## 6350	127.58235	0.648969	1
## 6351	114.44953	0.389950	1
## 6352	125.55361	0.612989	1
## 6353	105.36415	0.556202	1
## 6354	120.79330	0.599101	1
## 6355	126.56812	0.513071	1
## 6356	122.66270	0.628934	1
## 6357	103.28632	0.424944	1
## 6358	63.62312	0.594294	1
## 6359	97.95573	0.456073	1
## 6360	118.00941	0.457611	1
## 6361	110.49850	0.364536	1
## 6362	107.64054	0.643758	1
## 6363	98.32229	0.440980	1
## 6364	102.18962	0.409676	1
## 6365	120.53854	0.750157	1
## 6366	119.75410	0.895287	1
## 6367	99.58092	0.570189	1
## 6368	99.54458	0.225836	1
## 6369	87.01138	0.662895	1
## 6370	83.31290	0.639721	1
## 6371	105.21872	0.567731	1
## 6372	136.81941	0.453803	1
## 6373	126.32002	0.644464	1
## 6374	109.86348	0.246322	1
## 6375	132.93854	0.814490	1
## 6376	122.15910	0.447107	1
## 6377	119.54369	0.423247	1
## 6378	105.38681	0.347488	1
## 6379	132.43675	0.406102	1
## 6380	118.34198	0.404645	1
## 6381	121.57546	0.367075	1
## 6382	110.24089	0.372637	1
## 6383	106.74551	0.461991	1
## 6384	121.97610	0.376527	1
## 6385	130.48653	0.646935	1
## 6386	91.18030	0.772562	1
## 6387	97.44662	0.571029	1
## 6388	101.45010	0.626757	1
## 6389	133.15620	0.747369	1
## 6390	123.99585	0.775154	1
## 6391	144.38063	0.870689	1
## 6392	132.73399	0.492772	1
## 6393	121.50732	0.688051	1
## 6394	115.80730	0.807705	1
## 6395	120.50084	0.395207	1
## 6396	116.72949	0.387181	1
## 6397	118.25983	0.369288	1

## 6398	111.70789	0.467979	1
## 6399	160.14262	0.702010	1
## 6400	141.85197	0.457903	1
## 6401	104.12195	0.483352	1
## 6402	100.24414	0.410098	1
## 6403	118.68758	0.472643	1
## 6404	136.97189	0.395956	1
## 6405	132.45242	0.622444	1
## 6406	127.55759	0.331797	1
## 6407	128.88454	0.357390	1
## 6408	132.63478	0.576818	1
## 6409	143.22571	0.342084	1
## 6410	139.02939	0.705589	1
## 6411	147.72076	0.337510	1
## 6412	127.85278	0.471369	1
## 6413	136.90546	0.450304	1
## 6414	120.95950	0.427216	1
## 6415	136.07935	0.504701	1
## 6416	126.42986	0.729520	1
## 6417	111.96613	0.657226	1
## 6418	126.54016	0.510859	1
## 6419	130.64416	0.680477	1
## 6420	109.29937	0.855344	1
## 6421	102.21985	0.394805	1
## 6422	106.30504	0.319604	1
## 6423	121.77207	0.364583	1
## 6424	169.54753	0.381519	1
## 6425	122.31587	0.359429	1
## 6426	109.08921	0.373917	1
## 6427	102.16633	0.440930	1
## 6428	117.06560	0.373275	1
## 6429	119.05915	0.708045	1
## 6430	117.85586	0.691926	1
## 6431	104.52982	0.425534	1
## 6432	105.70227	0.387120	1
## 6433	94.00898	0.422470	1
## 6434	115.39539	0.444768	1
## 6435	92.24780	0.402885	1
## 6436	79.04965	0.571594	1
## 6437	142.08060	0.523556	1
## 6438	147.35439	0.519372	1
## 6439	148.10211	0.482549	1
## 6440	139.62161	0.436365	1
## 6441	164.26381	0.504694	1
## 6442	140.07280	0.503337	1
## 6443	145.87624	0.496673	1
## 6444	142.34392	0.439066	1
## 6445	149.65709	0.802655	1
## 6446	148.63615	0.573079	1
## 6447	140.18692	0.820231	1
## 6448	135.79477	0.263934	1
## 6449	107.40066	0.443366	1
## 6450	99.05556	0.275110	1
## 6451	98.07616	0.293335	1

## 6452	114.78136	0.322343	1
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## 6456	113.40592	0.610529	1
## 6457	107.73646	0.266217	1
## 6458	137.50778	0.239188	1
## 6459	130.09122	0.277582	1
## 6460	145.87866	0.512057	1
## 6461	110.41469	0.582645	1
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## 6464	112.60335	0.540900	1
## 6465	124.08577	0.734829	1
## 6466	104.93474	0.705127	1
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## 6468	107.01539	0.598626	-1
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## 6478	117.66685	0.496540	-1
## 6479	98.80539	0.460127	-1
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## 6489	145.35130	0.595530	-1
## 6490	159.20480	0.452192	-1
## 6491	139.71344	0.711622	-1
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## 6494	149.06505	0.744425	-1
## 6495	151.35094	0.703655	-1
## 6496	155.01331	0.783647	-1
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## 6498	154.66605	0.805332	-1
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## 6507	137.97994	0.738827	-1
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## 6515	123.02961	0.300052	-1
## 6516	149.33536	0.765553	-1
## 6517	132.49867	0.467596	-1
## 6518	141.74570	0.505384	-1
## 6519	138.58838	0.674954	-1
## 6520	128.96774	0.348063	-1
## 6521	110.43166	0.825173	1
## 6522	114.15530	0.664529	1
## 6523	103.77099	0.798007	1
## 6524	149.46838	0.670738	1
## 6525	112.06539	0.659315	1
## 6526	129.46687	0.525235	1
## 6527	134.42819	0.886881	1
## 6528	129.67439	0.733305	1
## 6529	127.43501	0.685770	1
## 6530	125.18558	0.745524	1
## 6531	97.50251	0.673665	1
## 6532	111.68939	0.539656	1
## 6533	83.59538	0.746757	1
## 6534	79.99270	0.354417	1
## 6535	105.15608	0.673941	1
## 6536	113.98862	0.750961	1
## 6537	93.35518	0.704982	1
## 6538	84.76469	0.450218	1
## 6539	102.26043	0.722113	1
## 6540	80.20044	0.734815	1
## 6541	100.59779	0.759179	1
## 6542	91.75620	0.536007	1
## 6543	82.39873	0.591788	1
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## 6545	92.25452	0.665594	1
## 6546	82.49860	0.549552	1
## 6547	90.95061	0.810359	1
## 6548	82.69350	0.664334	1
## 6549	106.87312	0.618996	1
## 6550	95.29632	0.847021	1
## 6551	114.12290	0.806162	1
## 6552	127.78745	0.857330	1
## 6553	125.77231	0.781000	1
## 6554	134.10667	0.729692	1
## 6555	132.39400	0.758669	1
## 6556	122.86746	0.404304	1
## 6557	101.86084	0.502139	1
## 6558	122.97733	0.837308	1
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## 6581	94.67583	0.822521	1
## 6582	79.45670	0.712486	1
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## 6589	111.84562	0.354343	1
## 6590	128.43484	0.694937	1
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## 6593	82.93370	0.760084	1
## 6594	80.83096	0.518831	1
## 6595	105.84325	0.449735	1
## 6596	96.81914	0.413177	1
## 6597	120.36862	0.824448	1
## 6598	90.59296	0.533471	1
## 6599	108.22735	0.495277	1
## 6600	108.42083	0.426786	1
## 6601	127.96468	0.450447	1
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## 6604	130.69391	0.473020	1
## 6605	147.37151	0.486290	1
## 6606	133.98325	0.528660	1
## 6607	128.30389	0.478934	1
## 6608	155.40178	0.524351	1
## 6609	136.04944	0.575747	1
## 6610	124.24623	0.776504	1
## 6611	134.49381	0.891040	1
## 6612	106.20001	0.658141	1
## 6613	112.31802	0.522421	1

## 6614	127.97785	0.325313	1
## 6615	116.56200	0.398510	1
## 6616	121.63308	0.469613	1
## 6617	104.39690	0.608142	1
## 6618	123.70292	0.849627	1
## 6619	130.08614	0.885022	1
## 6620	106.29718	0.557870	1
## 6621	114.90916	0.583058	1
## 6622	102.17162	0.248423	1
## 6623	93.09235	0.402376	1
## 6624	131.25050	0.659701	-1
## 6625	136.38400	0.306595	-1
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## 6631	136.57045	0.576184	-1
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## 6634	119.79839	0.338148	-1
## 6635	128.69986	0.324103	-1
## 6636	89.05890	0.244289	-1
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## 6640	105.12932	0.550152	-1
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## 6642	121.11834	0.384894	-1
## 6643	132.99471	0.431601	-1
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## 6645	98.87614	0.276870	-1
## 6646	139.18683	0.491982	-1
## 6647	108.19924	0.409643	-1
## 6648	137.66540	0.518133	-1
## 6649	127.22612	0.584396	-1
## 6650	151.67604	0.611446	-1
## 6651	147.95949	0.355351	-1
## 6652	145.03737	0.453649	-1
## 6653	106.14839	0.449701	-1
## 6654	123.61421	0.463324	-1
## 6655	132.90373	0.518131	-1
## 6656	105.34754	0.409188	-1
## 6657	81.56362	0.297532	-1
## 6658	148.97170	0.293246	-1
## 6659	147.01187	0.544679	-1
## 6660	143.94066	0.569380	-1
## 6661	151.78374	0.588741	-1
## 6662	149.14214	0.586516	-1
## 6663	155.89624	0.631437	-1
## 6664	158.64131	0.379120	-1
## 6665	138.03668	0.564673	-1
## 6666	129.71867	0.552303	-1
## 6667	125.33436	0.698946	-1

## 6668	110.61948	0.344426	-1
## 6669	118.84820	0.458988	-1
## 6670	125.51956	0.389266	-1
## 6671	109.67527	0.499093	-1
## 6672	131.00032	0.368826	-1
## 6673	141.34505	0.306983	-1
## 6674	167.10879	0.344985	-1
## 6675	159.54485	0.534250	-1
## 6676	164.74030	0.358021	-1
## 6677	140.70160	0.384128	-1
## 6678	153.03372	0.368179	-1
## 6679	147.19997	0.373331	-1
## 6680	121.20074	0.278997	-1
## 6681	141.45224	0.554483	-1
## 6682	141.34656	0.564590	-1
## 6683	138.89781	0.737794	-1
## 6684	124.01442	0.652160	-1
## 6685	138.98886	0.719719	-1
## 6686	137.01663	0.588237	-1
## 6687	123.50828	0.830867	-1
## 6688	122.14001	0.522654	-1
## 6689	126.56780	0.429642	-1
## 6690	112.19081	0.340208	-1
## 6691	130.84328	0.818767	-1
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## 6693	125.41879	0.483464	-1
## 6694	126.14289	0.386193	-1
## 6695	131.00090	0.487043	-1
## 6696	132.35684	0.563599	-1
## 6697	126.48437	0.494113	-1
## 6698	124.34226	0.469550	-1
## 6699	117.42960	0.499418	-1
## 6700	142.56909	0.519002	-1
## 6701	133.88640	0.482101	-1
## 6702	107.18782	0.469366	-1
## 6703	125.45129	0.574657	-1
## 6704	142.05647	0.823450	-1
## 6705	132.98477	0.840904	-1
## 6706	138.92470	0.622861	-1
## 6707	127.65574	0.675944	-1
## 6708	126.28771	0.346658	-1
## 6709	105.14697	0.283378	-1
## 6710	119.85996	0.336827	-1
## 6711	114.69031	0.339377	-1
## 6712	104.81970	0.371730	-1
## 6713	142.10284	0.539862	-1
## 6714	142.06357	0.490690	-1
## 6715	146.16380	0.271586	-1
## 6716	139.91628	0.349602	-1
## 6717	160.51706	0.333706	-1
## 6718	126.32503	0.298289	-1
## 6719	133.61891	0.844071	-1
## 6720	145.45908	0.518876	-1
## 6721	128.49745	0.495359	-1

## 6722	130.67827	0.355801	-1
## 6723	131.32521	0.348625	-1
## 6724	128.28081	0.208140	-1
## 6725	149.65900	0.213745	-1
## 6726	156.50475	0.270081	-1
## 6727	137.36252	0.864072	-1
## 6728	154.27689	0.699347	-1
## 6729	128.55246	0.697794	-1
## 6730	131.51442	0.296741	-1
## 6731	126.58182	0.552781	-1
## 6732	129.34039	0.516063	-1
## 6733	122.28554	0.320711	-1
## 6734	116.29822	0.282702	-1
## 6735	135.90727	0.311388	-1
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## 6737	126.84026	0.382967	-1
## 6738	137.31438	0.350482	-1
## 6739	140.11234	0.382426	-1
## 6740	133.99182	0.352301	-1
## 6741	133.75549	0.374016	-1
## 6742	135.28239	0.424109	-1
## 6743	133.31389	0.398602	-1
## 6744	123.49115	0.593177	-1
## 6745	136.61383	0.440353	-1
## 6746	140.71468	0.410932	-1
## 6747	139.50415	0.376901	-1
## 6748	157.93543	0.610147	-1
## 6749	154.29681	0.339667	-1
## 6750	145.55009	0.398961	-1
## 6751	138.12761	0.415799	-1
## 6752	126.23820	0.339987	-1
## 6753	160.48086	0.695648	-1
## 6754	143.73680	0.497780	-1
## 6755	142.73250	0.254377	-1
## 6756	109.44637	0.362538	-1
## 6757	123.86265	0.422322	-1
## 6758	144.96832	0.469409	-1
## 6759	90.45724	0.266817	-1
## 6760	82.70858	0.361870	-1
## 6761	94.61543	0.404948	-1
## 6762	85.29584	0.561004	-1
## 6763	97.78002	0.486926	-1
## 6764	84.35792	0.685113	-1
## 6765	106.41419	0.581421	-1
## 6766	133.97221	0.480705	-1
## 6767	116.33833	0.486280	-1
## 6768	123.15780	0.485709	-1
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## 6773	94.51650	0.569503	-1
## 6774	89.25139	0.574374	1
## 6775	82.63529	0.804495	1

## 6776	84.74193	0.505651	1
## 6777	88.48181	0.693392	1
## 6778	75.94601	0.532081	1
## 6779	145.10982	0.848460	1
## 6780	136.86272	0.796673	1
## 6781	129.32689	0.812200	1
## 6782	158.50215	0.883961	1
## 6783	137.71979	0.793361	1
## 6784	110.83219	0.520957	1
## 6785	133.87889	0.511385	1
## 6786	139.18236	0.472783	1
## 6787	119.83280	0.579296	1
## 6788	139.23086	0.672574	1
## 6789	145.27359	0.454874	1
## 6790	132.68384	0.443740	1
## 6791	124.14144	0.368978	1
## 6792	101.07448	0.618581	1
## 6793	135.61641	0.493699	1
## 6794	108.10957	0.555422	1
## 6795	112.80851	0.643435	1
## 6796	140.56834	0.496824	-1
## 6797	139.16985	0.490857	-1
## 6798	128.54678	0.612506	-1
## 6799	128.05783	0.535487	-1
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## 6801	136.32303	0.841880	-1
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## 6804	138.37700	0.682079	-1
## 6805	134.50633	0.497280	-1
## 6806	134.59145	0.580214	-1
## 6807	123.88753	0.656778	-1
## 6808	94.03175	0.453286	-1
## 6809	134.19598	0.333140	-1
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## 6811	111.60319	0.384317	-1
## 6812	124.11783	0.613772	-1
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## 6814	145.37381	0.672581	-1
## 6815	130.98328	0.776704	-1
## 6816	140.45460	0.388560	-1
## 6817	143.16827	0.430809	-1
## 6818	120.59171	0.469588	-1
## 6819	110.41920	0.311414	-1
## 6820	96.57497	0.742124	-1
## 6821	95.04077	0.401249	-1
## 6822	68.57775	0.462844	-1
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## 6824	94.50662	0.230310	-1
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## 6828	82.61690	0.431812	1
## 6829	92.73613	0.561030	1

## 6830	93.93689	0.342592	1
## 6831	117.57033	0.481665	1
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## 6836	124.71568	0.399766	1
## 6837	142.22975	0.495444	1
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## 6839	140.19914	0.700964	1
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## 6841	122.69970	0.817786	1
## 6842	98.46171	0.509990	1
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## 6844	113.44492	0.545627	1
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## 6847	128.29864	0.728496	1
## 6848	113.71056	0.662986	1
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## 6853	100.92731	0.489653	1
## 6854	99.28339	0.532658	1
## 6855	102.00324	0.599168	1
## 6856	94.11620	0.388584	1
## 6857	103.41946	0.532870	1
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## 6864	95.51090	0.435362	1
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## 6918	130.41824	0.540482	1
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## 6920	128.54439	0.807097	1
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## 7076	89.94936	0.511858	1
## 7077	71.04756	0.551399	1
## 7078	106.93942	0.660272	1
## 7079	119.03464	0.397754	1
## 7080	97.98579	0.533580	1
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## 7082	106.28756	0.513266	1
## 7083	83.27571	0.407289	1
## 7084	90.39601	0.350430	1
## 7085	107.93414	0.450271	1
## 7086	85.35806	0.440944	1
## 7087	109.39563	0.394938	1
## 7088	101.55331	0.408411	1
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## 7096	131.48717	0.903668	1
## 7097	112.32207	0.660050	1
## 7098	108.22884	0.488409	1
## 7099	116.43545	0.609112	1

## 7100	112.77031	0.499227	1
## 7101	111.54112	0.477169	1
## 7102	110.83572	0.397703	1
## 7103	102.15197	0.483345	1
## 7104	112.17301	0.418429	1
## 7105	121.40875	0.474381	1
## 7106	103.58174	0.851969	1
## 7107	105.63572	0.704334	1
## 7108	119.82352	0.793861	1
## 7109	113.23669	0.830954	1
## 7110	101.90249	0.282154	1
## 7111	121.71055	0.615043	1
## 7112	123.81593	0.738357	1
## 7113	131.34604	0.719090	1
## 7114	107.52097	0.672590	1
## 7115	105.85132	0.589585	1
## 7116	108.60842	0.836736	1
## 7117	104.14196	0.845122	1
## 7118	99.55496	0.680099	1
## 7119	94.09107	0.592267	1
## 7120	97.23014	0.597953	1
## 7121	117.77619	0.812704	1
## 7122	109.43122	0.825828	1
## 7123	111.97085	0.832085	1
## 7124	96.08313	0.282930	1
## 7125	118.33909	0.628799	1
## 7126	140.96159	0.671367	1
## 7127	141.65550	0.617470	-1
## 7128	153.69116	0.660834	-1
## 7129	126.56881	0.393973	-1
## 7130	158.33670	0.653106	-1
## 7131	135.98280	0.696610	-1
## 7132	138.71532	0.644110	-1
## 7133	146.69400	0.713394	-1
## 7134	153.38232	0.730960	-1
## 7135	154.63139	0.695720	-1
## 7136	133.69449	0.726975	-1
## 7137	126.02664	0.325934	-1
## 7138	140.71524	0.664354	-1
## 7139	136.59602	0.642943	-1
## 7140	143.25673	0.574596	-1
## 7141	150.13458	0.569767	-1
## 7142	126.55481	0.491467	-1
## 7143	150.02100	0.543485	-1
## 7144	142.93822	0.697923	-1
## 7145	144.67619	0.636655	-1
## 7146	146.63737	0.630096	-1
## 7147	141.39795	0.655396	-1
## 7148	145.37949	0.682847	-1
## 7149	136.88197	0.706530	-1
## 7150	124.59386	0.338340	-1
## 7151	141.23070	0.586134	-1
## 7152	129.66763	0.756307	-1
## 7153	145.30205	0.773146	-1

## 7154	149.76663	0.688595	-1
## 7155	137.95380	0.645441	-1
## 7156	144.88409	0.580175	-1
## 7157	131.86792	0.657508	-1
## 7158	142.37376	0.630634	-1
## 7159	126.70991	0.274105	-1
## 7160	119.01356	0.410528	-1
## 7161	139.16681	0.611579	-1
## 7162	135.57468	0.620905	-1
## 7163	150.23564	0.642175	-1
## 7164	129.94598	0.286968	-1
## 7165	116.39632	0.250239	-1
## 7166	129.53874	0.756802	-1
## 7167	145.83365	0.742820	-1
## 7168	128.98231	0.409707	-1
## 7169	142.41673	0.727380	-1
## 7170	140.46504	0.313915	-1
## 7171	105.50940	0.610348	-1
## 7172	90.14764	0.516017	-1
## 7173	80.74050	0.330757	-1
## 7174	94.03340	0.373245	-1
## 7175	96.10159	0.834862	-1
## 7176	90.70370	0.520414	-1
## 7177	85.97620	0.446879	-1
## 7178	90.87621	0.410347	-1
## 7179	98.18233	0.817747	-1
## 7180	89.19202	0.511006	-1
## 7181	85.95810	0.516343	-1
## 7182	92.73580	0.445095	1
## 7183	126.90104	0.515248	1
## 7184	122.02560	0.581306	1
## 7185	151.76123	0.536239	1
## 7186	139.31404	0.485893	1
## 7187	124.34151	0.533322	1
## 7188	143.99232	0.535743	1
## 7189	132.05090	0.477264	1
## 7190	122.87558	0.510819	1
## 7191	125.18172	0.560721	1
## 7192	120.51294	0.820286	1
## 7193	131.92570	0.888029	1
## 7194	121.65479	0.723854	1
## 7195	136.50453	0.619326	1
## 7196	132.51813	0.501790	-1
## 7197	160.00517	0.301199	-1
## 7198	128.17139	0.301103	-1
## 7199	144.03613	0.304134	-1
## 7200	133.37386	0.310638	-1
## 7201	118.46263	0.300633	-1
## 7202	136.08551	0.414062	-1
## 7203	143.51523	0.354140	-1
## 7204	141.67419	0.382815	-1
## 7205	110.62279	0.399128	-1
## 7206	105.61334	0.291523	-1
## 7207	143.86670	0.410669	-1

## 7208	160.80809	0.439142	-1
## 7209	130.41449	0.330656	-1
## 7210	124.03242	0.222665	-1
## 7211	123.88546	0.443152	-1
## 7212	140.79117	0.351151	-1
## 7213	139.27882	0.449964	-1
## 7214	138.38364	0.444884	-1
## 7215	90.09267	0.311992	-1
## 7216	97.88368	0.292302	-1
## 7217	150.65874	0.396821	-1
## 7218	166.00752	0.346635	-1
## 7219	143.38834	0.298260	-1
## 7220	139.70840	0.283824	-1
## 7221	128.43224	0.339427	-1
## 7222	120.27021	0.302710	-1
## 7223	139.42883	0.510001	-1
## 7224	129.66374	0.564212	-1
## 7225	132.52432	0.579669	-1
## 7226	125.94660	0.473027	-1
## 7227	129.73253	0.480759	-1
## 7228	140.42554	0.573286	-1
## 7229	111.97236	0.298197	-1
## 7230	139.44961	0.304692	-1
## 7231	118.08083	0.303409	-1
## 7232	133.26088	0.346581	-1
## 7233	139.47906	0.449164	-1
## 7234	133.36621	0.426141	-1
## 7235	137.93147	0.282170	-1
## 7236	132.60535	0.316126	-1
## 7237	139.11789	0.430079	-1
## 7238	136.44341	0.533540	-1
## 7239	131.92848	0.568161	-1
## 7240	139.58704	0.592922	-1
## 7241	124.79654	0.471265	-1
## 7242	133.03792	0.498648	-1
## 7243	139.47905	0.577278	-1
## 7244	125.67242	0.313251	-1
## 7245	134.04126	0.296110	-1
## 7246	136.03863	0.538423	-1
## 7247	124.72852	0.356741	-1
## 7248	124.02237	0.348681	-1
## 7249	134.90964	0.339133	-1
## 7250	137.75369	0.665545	1
## 7251	131.45561	0.501404	1
## 7252	126.23283	0.522571	1
## 7253	138.06120	0.416627	1
## 7254	137.34613	0.505211	1
## 7255	129.43799	0.611056	1
## 7256	113.79635	0.248347	1
## 7257	125.81130	0.383608	1
## 7258	123.04864	0.308965	1
## 7259	123.11305	0.287916	1
## 7260	113.73046	0.335372	1
## 7261	131.03792	0.533363	1

## 7262	133.86241	0.578694	1
## 7263	108.60139	0.615952	1
## 7264	107.98312	0.734059	1
## 7265	123.35009	0.748746	1
## 7266	101.21800	0.731896	1
## 7267	137.02846	0.903892	1
## 7268	142.16641	0.937054	1
## 7269	103.53706	0.685121	1
## 7270	124.77684	0.561199	1
## 7271	105.61439	0.545734	1
## 7272	107.50263	0.697154	1
## 7273	106.55496	0.700341	1
## 7274	111.51417	0.601702	1
## 7275	115.88333	0.780586	1
## 7276	115.15248	0.664283	1
## 7277	119.99369	0.644481	1
## 7278	126.08083	0.287750	1
## 7279	131.30069	0.335601	1
## 7280	116.36270	0.607482	1
## 7281	133.19162	0.241882	1
## 7282	133.36585	0.241318	1
## 7283	118.42331	0.265873	1
## 7284	142.11261	0.484341	1
## 7285	120.56097	0.407787	1
## 7286	139.92554	0.589528	1
## 7287	124.45691	0.551928	1
## 7288	115.71899	0.609033	1
## 7289	142.86310	0.537739	1
## 7290	122.13077	0.615590	1
## 7291	89.48878	0.394130	1
## 7292	113.65193	0.562882	1
## 7293	115.30203	0.445680	1
## 7294	104.16423	0.447244	1
## 7295	83.68597	0.333337	1
## 7296	66.83836	0.667389	1
## 7297	62.97673	0.413277	1
## 7298	97.81745	0.382787	1
## 7299	122.53409	0.725024	1
## 7300	111.61444	0.860998	1
## 7301	110.36203	0.551845	1
## 7302	118.00051	0.925940	1
## 7303	115.71918	0.758340	1
## 7304	124.33405	0.847329	1
## 7305	111.66020	0.316915	1
## 7306	124.47792	0.450800	1
## 7307	127.26875	0.411407	1
## 7308	106.78374	0.743672	1
## 7309	123.42581	0.483987	1
## 7310	140.06795	0.578319	1
## 7311	132.02483	0.536360	1
## 7312	137.45749	0.729235	1
## 7313	119.17035	0.838606	1
## 7314	95.76439	0.440926	1
## 7315	99.78709	0.397569	1

## 7316	99.35461	0.620528	1
## 7317	102.95742	0.503692	1
## 7318	87.12482	0.528064	1
## 7319	100.51064	0.646103	1
## 7320	112.98890	0.374963	1
## 7321	104.17612	0.522886	1
## 7322	146.65922	0.533998	1
## 7323	172.46379	0.514269	1
## 7324	166.43806	0.423375	1
## 7325	169.20993	0.342067	1
## 7326	105.62487	0.485438	1
## 7327	97.32507	0.421507	1
## 7328	111.31062	0.386798	1
## 7329	109.51663	0.397766	1
## 7330	105.90119	0.627015	1
## 7331	105.66847	0.909164	1
## 7332	95.95283	0.574830	1
## 7333	87.79719	0.515789	1
## 7334	111.90488	0.673047	1
## 7335	108.53754	0.690155	1
## 7336	93.86385	0.559316	1
## 7337	122.77666	0.756617	1
## 7338	105.43297	0.629883	1
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## 7342	124.97034	0.742669	1
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## 7344	134.79053	0.683038	1
## 7345	141.76662	0.571108	1
## 7346	140.21150	0.589618	1
## 7347	105.50143	0.833437	1
## 7348	102.94971	0.848735	1
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## 7356	105.53392	0.504574	1
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## 7358	119.28067	0.615838	1
## 7359	127.61929	0.543379	1
## 7360	138.93274	0.557359	-1
## 7361	122.17549	0.430010	-1
## 7362	130.32844	0.400864	-1
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## 7367	131.18999	0.672534	-1
## 7368	127.60240	0.786152	-1
## 7369	138.70190	0.535689	-1

## 7370	119.65395	0.290413	-1
## 7371	143.11491	0.672427	-1
## 7372	136.01254	0.486545	-1
## 7373	146.68117	0.532782	-1
## 7374	137.17133	0.573511	-1
## 7375	135.35196	0.591695	-1
## 7376	137.76732	0.744770	-1
## 7377	128.95146	0.902438	-1
## 7378	135.67767	0.369826	-1
## 7379	146.80151	0.497197	-1
## 7380	141.02937	0.603262	-1
## 7381	124.00763	0.461395	-1
## 7382	147.34753	0.588682	-1
## 7383	148.39937	0.644630	-1
## 7384	123.64597	0.511146	-1
## 7385	148.77478	0.630613	-1
## 7386	145.12540	0.729336	-1
## 7387	149.06674	0.585491	-1
## 7388	157.64214	0.679675	-1
## 7389	157.11999	0.573946	-1
## 7390	141.59322	0.588669	-1
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## 7393	135.10173	0.564387	-1
## 7394	137.13594	0.680731	-1
## 7395	151.05513	0.911121	-1
## 7396	120.18385	0.788088	-1
## 7397	129.23727	0.597734	-1
## 7398	151.79784	0.579871	-1
## 7399	138.61661	0.613262	-1
## 7400	131.93495	0.607552	-1
## 7401	100.84927	0.128197	1
## 7402	101.35526	0.310400	1
## 7403	120.22901	0.264809	1
## 7404	126.49839	0.716944	1
## 7405	137.44548	0.333188	1
## 7406	134.38032	0.458814	1
## 7407	112.62186	0.449718	1
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## 7409	126.47827	0.388077	1
## 7410	106.49049	0.328132	1
## 7411	122.69951	0.394919	1
## 7412	138.08583	0.522062	1
## 7413	135.36369	0.800653	1
## 7414	142.52193	0.722831	1
## 7415	133.51723	0.794772	1
## 7416	124.86725	0.769767	1
## 7417	105.23335	0.297132	1
## 7418	82.15475	0.472184	1
## 7419	92.54617	0.341313	1
## 7420	88.37462	0.298946	1
## 7421	88.50332	0.373463	1
## 7422	118.24456	0.555145	1
## 7423	122.08495	0.326606	1

## 7424	131.07576	0.450631	1
## 7425	105.77579	0.425112	1
## 7426	125.59448	0.660324	1
## 7427	114.34276	0.791666	1
## 7428	135.73831	0.625892	1
## 7429	141.72652	0.756002	1
## 7430	140.10979	0.792794	1
## 7431	109.90106	0.753286	1
## 7432	123.91658	0.810573	1
## 7433	110.61461	0.543624	1
## 7434	90.34006	0.446035	1
## 7435	136.77235	0.566046	1
## 7436	134.60335	0.511116	1
## 7437	128.20763	0.820994	1
## 7438	137.82831	0.838965	1
## 7439	94.20565	0.699550	1
## 7440	109.68828	0.655503	1
## 7441	125.04802	0.705933	1
## 7442	116.12248	0.701168	1
## 7443	150.49672	0.607248	1
## 7444	134.87231	0.567363	1
## 7445	104.59544	0.612949	1
## 7446	88.31282	0.498902	1
## 7447	92.98644	0.670140	1
## 7448	99.50372	0.505996	1
## 7449	80.53765	0.405009	1
## 7450	85.85509	0.409730	1
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## 7452	103.89054	0.570071	1
## 7453	90.01735	0.697233	1
## 7454	88.87635	0.570405	1
## 7455	107.78177	0.603803	1
## 7456	100.64912	0.703994	1
## 7457	111.72897	0.309395	1
## 7458	146.68048	0.330398	1
## 7459	125.54413	0.611841	1
## 7460	132.76790	0.287832	1
## 7461	119.59518	0.499345	1
## 7462	89.23168	0.474123	1
## 7463	112.55701	0.307512	1
## 7464	142.23418	0.341099	1
## 7465	144.01236	0.485705	1
## 7466	148.68538	0.554527	1
## 7467	116.28109	0.420284	1
## 7468	129.20651	0.481372	1
## 7469	111.10555	0.353884	1
## 7470	119.45116	0.281743	1
## 7471	123.79652	0.492016	1
## 7472	110.80236	0.432469	1
## 7473	125.11301	0.471546	1
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## 7477	125.66567	0.778723	1

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## 7479	117.46413	0.908452	1
## 7480	112.25893	0.732731	1
## 7481	116.01483	0.477933	1
## 7482	113.74218	0.567157	1
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## 7484	111.93893	0.732798	1
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## 7486	140.23106	0.651323	1
## 7487	146.03725	0.489707	1
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## 7489	106.49401	0.452132	1
## 7490	121.03185	0.746929	1
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## 7495	117.03530	0.432805	1
## 7496	111.59319	0.482304	1
## 7497	105.29630	0.873338	1
## 7498	117.37244	0.437404	1
## 7499	123.98414	0.662248	1
## 7500	122.17683	0.819966	1
## 7501	106.79622	0.699297	1
## 7502	103.20380	0.261465	1
## 7503	117.02792	0.301716	1
## 7504	110.95759	0.592774	1
## 7505	127.86028	0.698733	1
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## 7507	120.65642	0.569195	1
## 7508	127.59300	0.522002	1
## 7509	141.18245	0.309188	1
## 7510	128.63153	0.561287	1
## 7511	123.07180	0.589661	1
## 7512	101.21945	0.350372	1
## 7513	101.67797	0.282783	1
## 7514	133.93515	0.590015	1
## 7515	114.86718	0.654794	1
## 7516	117.17088	0.411255	1
## 7517	120.13052	0.364632	1
## 7518	110.47603	0.549126	1
## 7519	102.94066	0.677688	1
## 7520	139.40141	0.693744	1
## 7521	111.62352	0.786996	1
## 7522	109.57426	0.630577	1
## 7523	116.89305	0.476367	1
## 7524	117.58641	0.507763	1
## 7525	91.08536	0.514886	1
## 7526	96.66618	0.665778	1
## 7527	104.95725	0.672907	1
## 7528	128.85648	0.536384	-1
## 7529	133.25977	0.355256	-1
## 7530	144.22867	0.367322	-1
## 7531	104.57745	0.333884	-1

## 7532	130.80817	0.752615	-1
## 7533	144.34521	0.182217	-1
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## 7548	111.21860	0.253306	-1
## 7549	104.56516	0.217200	-1
## 7550	135.43390	0.627704	-1
## 7551	114.73437	0.607522	-1
## 7552	131.02856	0.462589	-1
## 7553	130.65237	0.483054	-1
## 7554	122.69590	0.354493	-1
## 7555	125.03092	0.375481	-1
## 7556	128.38553	0.462772	-1
## 7557	134.35370	0.373261	-1
## 7558	126.32920	0.366581	-1
## 7559	140.49155	0.547402	-1
## 7560	154.01077	0.175553	-1
## 7561	138.36789	0.393004	-1
## 7562	133.21107	0.380264	-1
## 7563	90.96137	0.254524	-1
## 7564	107.64334	0.261861	-1
## 7565	121.44305	0.424415	-1
## 7566	121.19334	0.368110	-1
## 7567	123.35111	0.341141	-1
## 7568	136.94846	0.233064	-1
## 7569	147.24013	0.548845	-1
## 7570	135.83113	0.587606	-1
## 7571	133.83588	0.579719	-1
## 7572	140.36659	0.357660	-1
## 7573	146.88792	0.715912	-1
## 7574	141.69125	0.766068	-1
## 7575	155.18512	0.785595	-1
## 7576	147.86418	0.745751	-1
## 7577	142.57172	0.617818	-1
## 7578	163.34625	0.763164	-1
## 7579	150.38315	0.664042	-1
## 7580	148.25725	0.734350	-1
## 7581	148.82628	0.787045	-1
## 7582	138.04668	0.659553	-1
## 7583	116.80680	0.528931	-1
## 7584	112.50351	0.459652	-1
## 7585	126.86753	0.522939	-1

## 7586	132.14110	0.431774	-1
## 7587	132.40625	0.510077	-1
## 7588	133.97493	0.524498	-1
## 7589	136.83748	0.473508	-1
## 7590	117.86244	0.516290	-1
## 7591	148.40758	0.727990	-1
## 7592	138.55847	0.572897	-1
## 7593	142.15243	0.356904	-1
## 7594	146.99780	0.409038	-1
## 7595	135.35965	0.654641	-1
## 7596	119.52343	0.510242	-1
## 7597	141.33220	0.473914	-1
## 7598	141.71268	0.333642	-1
## 7599	122.57405	0.336220	-1
## 7600	127.60036	0.270588	-1
## 7601	136.85306	0.618762	1
## 7602	130.94424	0.492030	1
## 7603	132.12270	0.501372	1
## 7604	135.11751	0.388978	1
## 7605	118.43182	0.471812	1
## 7606	129.75938	0.526900	1
## 7607	114.80287	0.774867	1
## 7608	113.68578	0.566131	1
## 7609	119.38853	0.476165	1
## 7610	128.45386	0.559810	1
## 7611	103.15717	0.542618	1
## 7612	110.79020	0.744946	1
## 7613	101.21176	0.273236	1
## 7614	102.82294	0.519007	1
## 7615	87.65898	0.198436	1
## 7616	89.21478	0.416294	1
## 7617	93.39006	0.267923	1
## 7618	79.74057	0.278111	1
## 7619	112.66406	0.564077	1
## 7620	87.52992	0.584839	1
## 7621	80.42333	0.568728	1
## 7622	86.39839	0.704922	1
## 7623	103.71867	0.714012	1
## 7624	112.98363	0.608813	1
## 7625	112.39605	0.789013	1
## 7626	130.48933	0.668031	1
## 7627	123.66267	0.606726	1
## 7628	127.18468	0.609831	1
## 7629	120.12951	0.667024	1
## 7630	90.72108	0.645455	1
## 7631	99.01027	0.676785	1
## 7632	99.92028	0.668636	1
## 7633	128.21146	0.894748	1
## 7634	128.55193	0.747373	1
## 7635	125.62943	0.291931	1
## 7636	121.35841	0.679661	1
## 7637	133.78943	0.376197	1
## 7638	119.35945	0.624623	1
## 7639	127.20655	0.879775	1

## 7640	121.77737	0.478075	1
## 7641	110.16393	0.393932	1
## 7642	126.52332	0.467509	1
## 7643	124.71447	0.406137	1
## 7644	120.73016	0.349674	1
## 7645	135.68732	0.750742	1
## 7646	112.33619	0.873666	1
## 7647	125.02387	0.312494	1
## 7648	120.82467	0.447975	1
## 7649	135.73198	0.348939	1
## 7650	139.71268	0.732458	1
## 7651	130.45662	0.671817	1
## 7652	116.58945	0.399662	1
## 7653	122.93951	0.811400	1
## 7654	104.33736	0.770149	1
## 7655	133.82620	0.297981	1
## 7656	97.33346	0.409798	1
## 7657	107.03191	0.365707	1
## 7658	103.19147	0.559396	1
## 7659	126.73006	0.787367	1
## 7660	126.34839	0.625648	1
## 7661	137.20570	0.742089	1
## 7662	132.85800	0.698769	1
## 7663	110.24628	0.672676	1
## 7664	141.51125	0.765833	1
## 7665	138.38202	0.393956	1
## 7666	131.94960	0.359140	1
## 7667	121.92310	0.390281	1
## 7668	112.68409	0.263584	1
## 7669	102.30613	0.322181	1
## 7670	98.43159	0.253118	1
## 7671	125.49918	0.384204	1
## 7672	109.86491	0.495146	1
## 7673	125.21192	0.661794	1
## 7674	132.14926	0.465348	1
## 7675	119.06270	0.508730	1
## 7676	134.65160	0.527303	1
## 7677	114.09360	0.432117	1
## 7678	126.32217	0.765191	1
## 7679	118.66486	0.668714	1
## 7680	114.48549	0.460596	1
## 7681	115.50228	0.578616	1
## 7682	107.57984	0.551501	1
## 7683	143.29263	0.673296	1
## 7684	123.52816	0.652451	1
## 7685	105.50867	0.583906	1
## 7686	133.51343	0.535832	-1
## 7687	141.56511	0.936633	-1
## 7688	142.76863	0.632168	-1
## 7689	127.24680	0.617679	-1
## 7690	145.91415	0.681354	-1
## 7691	152.87172	0.693051	-1
## 7692	158.34120	0.657888	-1
## 7693	129.83847	0.637643	-1

## 7694	140.03206	0.933200	-1
## 7695	115.24309	0.441012	-1
## 7696	143.34460	0.806451	-1
## 7697	114.74885	0.388407	-1
## 7698	116.69602	0.455784	-1
## 7699	136.40703	0.612221	-1
## 7700	116.12096	0.476014	-1
## 7701	124.86181	0.480758	-1
## 7702	133.83737	0.572878	-1
## 7703	140.79013	0.613945	-1
## 7704	147.40967	0.624923	-1
## 7705	135.40353	0.773404	-1
## 7706	128.19730	0.657979	-1
## 7707	120.34380	0.503127	-1
## 7708	137.71335	0.538456	-1
## 7709	116.58640	0.540927	-1
## 7710	149.94003	0.741037	-1
## 7711	167.79082	0.313215	1
## 7712	105.03071	0.495335	1
## 7713	99.88432	0.224621	1
## 7714	97.73899	0.310789	1
## 7715	81.33504	0.115686	1
## 7716	122.15337	0.069170	1
## 7717	114.85805	0.125468	1
## 7718	122.95688	0.468448	1
## 7719	130.81004	0.501364	1
## 7720	138.36774	0.425825	1
## 7721	123.88939	0.066865	1
## 7722	133.21835	0.398878	1
## 7723	126.47295	0.338436	1
## 7724	112.69408	0.303452	1
## 7725	126.61760	0.442635	1
## 7726	137.54112	0.343476	1
## 7727	126.17400	0.294360	1
## 7728	129.14033	0.547427	1
## 7729	135.36984	0.587777	1
## 7730	124.93946	0.567195	1
## 7731	138.43588	0.464358	1
## 7732	142.45651	0.353891	1
## 7733	126.95470	0.306463	1
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## 7735	129.68690	0.204894	1
## 7736	122.98936	0.339501	1
## 7737	125.39778	0.376985	1
## 7738	113.34448	0.414759	1
## 7739	132.35728	0.407773	1
## 7740	137.36581	0.316105	1
## 7741	124.88834	0.163579	1
## 7742	123.64178	0.330359	1
## 7743	129.29646	0.178576	1
## 7744	122.76270	0.241117	1
## 7745	139.41751	0.671232	1
## 7746	131.32428	0.685330	1
## 7747	137.42810	0.673126	1

## 7748	141.56439	0.740500	1
## 7749	135.06723	0.609266	1
## 7750	141.68031	0.515764	1
## 7751	113.41097	0.737019	1
## 7752	87.63165	0.330523	1
## 7753	105.04777	0.680103	1
## 7754	113.26221	0.709032	1
## 7755	99.02659	0.667061	1
## 7756	107.65538	0.427334	1
## 7757	81.36153	0.704616	1
## 7758	84.12427	0.722655	1
## 7759	108.33692	0.756209	1
## 7760	97.51996	0.565010	1
## 7761	93.80905	0.540919	1
## 7762	101.79491	0.308889	1
## 7763	88.04740	0.427664	1
## 7764	125.77525	0.752454	1
## 7765	90.60384	0.274056	1
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## 7767	96.86879	0.340423	1
## 7768	123.69697	0.620414	1
## 7769	104.83652	0.377780	1
## 7770	108.52074	0.410911	1
## 7771	113.97927	0.404424	1
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## 7779	120.39431	0.384339	1
## 7780	136.94574	0.716204	1
## 7781	114.79750	0.381021	1
## 7782	117.29987	0.836464	1
## 7783	112.86153	0.826760	1
## 7784	114.27889	0.289799	1
## 7785	106.08833	0.443343	1
## 7786	116.19303	0.498705	1
## 7787	109.56647	0.389544	1
## 7788	93.90900	0.418585	1
## 7789	113.68904	0.507723	1
## 7790	111.97649	0.698917	1
## 7791	93.54562	0.559894	1
## 7792	108.29166	0.305796	1
## 7793	102.68201	0.638376	1
## 7794	109.64306	0.786266	1
## 7795	81.89681	0.837353	1
## 7796	102.85838	0.629867	1
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## 7798	111.45237	0.594156	1
## 7799	127.67070	0.755237	1
## 7800	107.34139	0.769030	1
## 7801	91.44550	0.635248	1

## 7802	100.53013	0.456080	1
## 7803	110.99696	0.351176	1
## 7804	100.06899	0.567176	1
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## 7806	135.56538	0.836780	1
## 7807	128.40755	0.384672	1
## 7808	127.45383	0.521917	1
## 7809	130.34221	0.493374	1
## 7810	116.94179	0.346221	1
## 7811	128.38287	0.589639	1
## 7812	96.87952	0.580107	1
## 7813	111.76917	0.334047	1
## 7814	109.66598	0.460442	1
## 7815	148.51796	0.808940	1
## 7816	133.37852	0.566574	1
## 7817	108.30785	0.446191	1
## 7818	79.37909	0.572505	1
## 7819	114.56418	0.507669	1
## 7820	121.29202	0.447497	1
## 7821	97.94915	0.371147	1
## 7822	119.97067	0.479435	1
## 7823	135.66890	0.469694	1
## 7824	133.01985	0.743901	1
## 7825	137.50565	0.800261	1
## 7826	148.58524	0.585002	1
## 7827	160.91394	0.781938	1
## 7828	125.06177	0.675320	1
## 7829	142.76160	0.770246	1
## 7830	155.42871	0.662039	1
## 7831	152.25978	0.460986	1
## 7832	123.83741	0.592586	1
## 7833	93.10368	0.466642	1
## 7834	113.57961	0.466695	1
## 7835	129.56276	0.471322	1
## 7836	96.32759	0.414468	1
## 7837	121.17897	0.460281	1
## 7838	107.56226	0.863828	1
## 7839	97.74397	0.446008	1
## 7840	92.83321	0.534360	1
## 7841	95.83755	0.375900	1
## 7842	106.74940	0.445478	1
## 7843	110.73206	0.594568	1
## 7844	109.10631	0.635534	1
## 7845	112.02295	0.415167	1
## 7846	101.52277	0.430153	1
## 7847	72.76869	0.747122	1
## 7848	83.60874	0.584180	1
## 7849	108.59538	0.423869	1
## 7850	92.10160	0.318638	1
## 7851	114.78867	0.754298	1
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## 7854	111.50842	0.429637	1
## 7855	126.62579	0.512643	1

## 7856	124.56336	0.506290	1
## 7857	109.34416	0.428904	1
## 7858	125.80226	0.405011	1
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## 7860	140.51588	0.542804	1
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## 7862	116.32906	0.411921	1
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## 7867	125.05254	0.716244	1
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## 7871	118.38888	0.394112	1
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## 7973	125.26937	0.440051	-1
## 7974	134.74692	0.529448	-1
## 7975	132.86453	0.309591	-1
## 7976	149.65630	0.341523	-1
## 7977	127.49420	0.407680	-1
## 7978	155.00090	0.552526	-1
## 7979	156.00676	0.555354	-1
## 7980	154.10194	0.606588	-1
## 7981	97.59121	0.266371	-1
## 7982	132.79095	0.168048	-1
## 7983	143.98524	0.710665	-1
## 7984	146.03561	0.372184	-1
## 7985	135.99121	0.784389	-1
## 7986	136.68278	0.405808	-1
## 7987	150.47600	0.285322	-1
## 7988	151.93507	0.298075	-1
## 7989	120.35534	0.314353	-1
## 7990	140.72665	0.402042	-1
## 7991	157.99644	0.381243	-1
## 7992	151.47247	0.455170	-1
## 7993	148.15813	0.574096	-1
## 7994	142.12994	0.353394	-1
## 7995	144.50673	0.869768	-1
## 7996	150.94945	0.607221	-1
## 7997	128.33530	0.496954	-1
## 7998	138.98355	0.606048	-1
## 7999	147.47130	0.597045	-1
## 8000	146.26260	0.565847	-1
## 8001	137.56033	0.359156	-1
## 8002	132.32619	0.254018	-1
## 8003	138.20193	0.242695	-1
## 8004	149.38634	0.298492	-1
## 8005	142.55368	0.377235	-1
## 8006	156.39323	0.353202	-1
## 8007	155.22994	0.446235	-1
## 8008	152.33299	0.467305	-1
## 8009	149.26442	0.294337	-1
## 8010	153.40280	0.549180	-1
## 8011	150.11636	0.539897	-1
## 8012	136.84541	0.263375	-1
## 8013	148.13722	0.573417	-1
## 8014	135.93240	0.254481	-1
## 8015	130.20254	0.265244	-1
## 8016	143.09735	0.855633	-1
## 8017	131.41547	0.357437	-1

## 8018	137.52191	0.631399	-1
## 8019	121.61313	0.608651	-1
## 8020	111.43919	0.616141	-1
## 8021	121.39796	0.665164	-1
## 8022	110.57809	0.533543	-1
## 8023	116.57446	0.206264	-1
## 8024	110.20384	0.432610	-1
## 8025	131.75858	0.368288	-1
## 8026	125.37902	0.328470	-1
## 8027	134.49124	0.290275	-1
## 8028	143.78343	0.317615	-1
## 8029	124.56461	0.292814	-1
## 8030	129.85568	0.326640	-1
## 8031	121.30907	0.235651	-1
## 8032	114.13366	0.503778	-1
## 8033	121.66601	0.535333	-1
## 8034	146.17375	0.246071	-1
## 8035	95.12261	0.407304	-1
## 8036	120.14227	0.596023	-1
## 8037	148.54965	0.330066	-1
## 8038	141.32567	0.250318	-1
## 8039	141.80780	0.519955	-1
## 8040	129.42326	0.547730	-1
## 8041	132.70244	0.598151	-1
## 8042	129.03099	0.648102	-1
## 8043	133.38592	0.394321	-1
## 8044	127.22484	0.250975	-1
## 8045	140.12024	0.462507	-1
## 8046	135.67497	0.358239	-1
## 8047	145.55418	0.327902	-1
## 8048	148.48119	0.278909	-1
## 8049	157.36093	0.339837	-1
## 8050	132.95218	0.338898	-1
## 8051	129.43332	0.238108	-1
## 8052	134.73897	0.475622	-1
## 8053	125.88731	0.464993	-1
## 8054	125.29109	0.246994	-1
## 8055	129.85622	0.420633	-1
## 8056	134.30527	0.664508	-1
## 8057	150.59876	0.310066	-1
## 8058	141.82953	0.306932	-1
## 8059	140.38307	0.249846	-1
## 8060	123.64236	0.521245	-1
## 8061	155.98619	0.825842	-1
## 8062	150.23317	0.692263	-1
## 8063	146.66689	0.575174	-1
## 8064	102.98219	0.475054	-1
## 8065	147.43855	0.584566	-1
## 8066	153.67999	0.669352	-1
## 8067	148.16737	0.472075	-1
## 8068	131.01708	0.458262	-1
## 8069	143.11797	0.525650	-1
## 8070	128.23715	0.613600	-1
## 8071	148.70744	0.662193	-1

## 8072	145.88361	0.811815	-1
## 8073	134.04990	0.434099	-1
## 8074	147.97014	0.497834	-1
## 8075	135.84904	0.404995	-1
## 8076	130.86565	0.376182	-1
## 8077	150.94682	0.444330	-1
## 8078	153.28659	0.492548	-1
## 8079	150.59882	0.639943	-1
## 8080	150.18022	0.844861	-1
## 8081	123.77284	0.367043	-1
## 8082	151.69827	0.386315	-1
## 8083	151.29121	0.837696	-1
## 8084	148.25699	0.582438	-1
## 8085	159.53230	0.609522	-1
## 8086	142.30618	0.625921	-1
## 8087	145.46002	0.642836	-1
## 8088	130.56232	0.641581	-1
## 8089	144.50783	0.650747	-1
## 8090	112.54018	0.285515	1
## 8091	88.00206	0.355150	1
## 8092	84.56988	0.609748	1
## 8093	88.66354	0.272341	1
## 8094	83.99487	0.271692	1
## 8095	98.24284	0.502114	1
## 8096	83.17675	0.573551	1
## 8097	74.85873	0.552052	1
## 8098	75.91107	0.673251	1
## 8099	77.58692	0.648910	1
## 8100	81.34802	0.667179	1
## 8101	83.03997	0.609742	1
## 8102	94.44860	0.772934	1
## 8103	130.19679	0.662517	1
## 8104	144.26547	0.620598	1
## 8105	137.56358	0.850716	1
## 8106	140.98280	0.498072	1
## 8107	113.45454	0.799622	1
## 8108	81.16769	0.294300	1
## 8109	113.33493	0.292441	1
## 8110	115.66446	0.585618	1
## 8111	96.30724	0.557467	1
## 8112	104.07524	0.574699	1
## 8113	99.03917	0.331261	1
## 8114	111.25164	0.667016	1
## 8115	109.46841	0.705216	1
## 8116	101.55414	0.431331	1
## 8117	109.52874	0.353939	1
## 8118	129.31108	0.622621	1
## 8119	115.93473	0.510740	1
## 8120	111.21545	0.576585	1
## 8121	139.48257	0.837987	1
## 8122	133.20317	0.821316	1
## 8123	137.67831	0.225461	1
## 8124	125.20578	0.252155	1
## 8125	108.60712	0.283137	1

## 8126	98.06230	0.519981	1
## 8127	110.25290	0.246877	1
## 8128	129.22272	0.689198	1
## 8129	107.21476	0.495258	1
## 8130	76.32069	0.536956	1
## 8131	110.71245	0.545991	1
## 8132	109.90130	0.343035	1
## 8133	86.53391	0.350415	1
## 8134	56.23123	0.279502	1
## 8135	77.79334	0.444344	1
## 8136	95.69817	0.412821	1
## 8137	118.79455	0.307981	1
## 8138	93.14428	0.458742	1
## 8139	101.67529	0.308179	1
## 8140	141.62865	0.765207	1
## 8141	141.28709	0.400638	1
## 8142	115.50881	0.383885	1
## 8143	125.19924	0.448294	1
## 8144	128.10434	0.474764	1
## 8145	123.76393	0.475635	1
## 8146	127.33338	0.388371	1
## 8147	138.62468	0.414084	1
## 8148	108.01984	0.436313	1
## 8149	88.85031	0.330616	1
## 8150	112.19154	0.360214	1
## 8151	121.75721	0.772241	1
## 8152	128.78262	0.904403	1
## 8153	121.22869	0.661395	1
## 8154	125.42376	0.795333	1
## 8155	132.06921	0.798431	1
## 8156	144.09395	0.864849	1
## 8157	110.88824	0.754294	1
## 8158	139.85609	0.257728	1
## 8159	125.49926	0.287062	1
## 8160	122.69147	0.414327	1
## 8161	128.13823	0.380393	1
## 8162	126.20936	0.584241	1
## 8163	118.78103	0.796990	1
## 8164	121.39206	0.594580	1
## 8165	115.62207	0.722500	1
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## 8168	133.22522	0.856109	1
## 8169	98.03970	0.394289	1
## 8170	132.65887	0.592673	1
## 8171	106.96357	0.539209	1
## 8172	89.15743	0.564232	1
## 8173	113.14843	0.537625	1
## 8174	92.59480	0.570117	1
## 8175	130.51967	0.378509	1
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## 8177	133.88339	0.418717	1
## 8178	127.05899	0.416980	1
## 8179	115.78673	0.314768	1

## 8180	119.31703	0.687201	1
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## 8186	109.91434	0.730447	1
## 8187	64.92096	0.638621	1
## 8188	64.34837	0.555075	1
## 8189	63.01299	0.469036	1
## 8190	123.62749	0.591548	1
## 8191	107.72637	0.488874	1
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## 8194	110.15711	0.529202	1
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## 8198	94.82648	0.453001	1
## 8199	97.30243	0.564422	1
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## 8201	107.64467	0.586945	1
## 8202	80.15674	0.557263	1
## 8203	95.36106	0.575311	1
## 8204	76.21493	0.708197	1
## 8205	80.18898	0.500461	1
## 8206	103.06940	0.418660	1
## 8207	98.28040	0.393123	1
## 8208	84.48277	0.605852	1
## 8209	104.75284	0.463087	1
## 8210	107.67181	0.510543	1
## 8211	117.58491	0.481534	1
## 8212	126.98495	0.446531	1
## 8213	117.69194	0.462373	1
## 8214	126.00115	0.689185	1
## 8215	127.44254	0.564824	1
## 8216	133.08049	0.517940	1
## 8217	97.61403	0.280310	1
## 8218	127.84692	0.420894	1
## 8219	121.51126	0.375275	1
## 8220	127.03816	0.216466	1
## 8221	126.24111	0.383114	1
## 8222	120.41943	0.284642	1
## 8223	141.45320	0.270432	1
## 8224	148.63080	0.244439	1
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## 8227	103.21019	0.245783	1
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## 8229	109.19930	0.337108	1
## 8230	130.26239	0.203099	1
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## 8232	118.51303	0.412945	1
## 8233	99.64321	0.374102	1

## 8234	113.21160	0.245929	1
## 8235	130.11624	0.227837	-1
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## 8245	145.41382	0.794928	-1
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## 8259	162.13300	0.704703	-1
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## 8268	132.39369	0.433113	1
## 8269	109.78977	0.516484	1
## 8270	108.23454	0.571259	1
## 8271	90.66988	0.746700	1
## 8272	100.54225	0.645905	1
## 8273	96.55332	0.566063	1
## 8274	104.82230	0.476512	1
## 8275	100.66403	0.601023	1
## 8276	87.97146	0.539104	1
## 8277	80.26493	0.637268	1
## 8278	92.00488	0.781667	1
## 8279	114.26797	0.550906	1
## 8280	107.94169	0.541338	1
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## 8285	111.76797	0.487936	1
## 8286	105.21822	0.523767	1
## 8287	115.18809	0.584807	1

## 8288	118.85643	0.567261	1
## 8289	124.97340	0.597136	1
## 8290	100.28144	0.731346	1
## 8291	123.70563	0.675769	1
## 8292	94.55026	0.516128	1
## 8293	96.56761	0.679760	1
## 8294	90.87911	0.528793	1
## 8295	87.06673	0.392623	1
## 8296	81.02750	0.417410	1
## 8297	112.91020	0.615309	1
## 8298	81.44268	0.573480	1
## 8299	106.06618	0.694701	1
## 8300	107.34006	0.589568	1
## 8301	97.66745	0.617873	1
## 8302	84.18276	0.697815	1
## 8303	86.97319	0.700979	1
## 8304	102.19421	0.521356	1
## 8305	125.48689	0.648136	1
## 8306	116.49959	0.675022	1
## 8307	107.29559	0.632556	1
## 8308	122.22297	0.608226	1
## 8309	126.83081	0.769598	1
## 8310	111.57918	0.642240	1
## 8311	135.68549	0.604802	1
## 8312	125.60071	0.911858	1
## 8313	116.60895	0.492173	1
## 8314	106.82322	0.495434	1
## 8315	111.16368	0.465091	1
## 8316	93.64334	0.604383	1
## 8317	109.33480	0.654899	1
## 8318	124.47857	0.444433	1
## 8319	119.81933	0.437364	1
## 8320	103.22925	0.390526	1
## 8321	106.83318	0.544722	1
## 8322	115.33710	0.554141	1
## 8323	147.70406	0.583923	1
## 8324	134.82243	0.536422	1
## 8325	106.78294	0.514094	1
## 8326	128.82445	0.757378	1
## 8327	142.21539	0.663701	1
## 8328	108.23734	0.432850	1
## 8329	126.07166	0.401583	1
## 8330	120.94691	0.455169	1
## 8331	129.15604	0.505714	1
## 8332	138.67932	0.237319	1
## 8333	111.54540	0.378972	1
## 8334	122.02820	0.380170	1
## 8335	121.38339	0.393016	1
## 8336	122.29150	0.375004	1
## 8337	123.50166	0.366182	1
## 8338	119.21435	0.383109	1
## 8339	130.68533	0.356084	1
## 8340	125.79414	0.431019	1
## 8341	75.09572	0.837359	1

## 8342	117.73161	0.791724	1
## 8343	98.70629	0.279766	1
## 8344	78.75288	0.492547	1
## 8345	103.53944	0.447234	1
## 8346	118.80761	0.819445	1
## 8347	84.61864	0.505235	1
## 8348	99.30290	0.445662	1
## 8349	72.62819	0.480319	1
## 8350	81.30328	0.459056	1
## 8351	91.21098	0.439461	1
## 8352	103.68176	0.396983	1
## 8353	93.89739	0.276711	1
## 8354	133.14011	0.474964	1
## 8355	113.40399	0.357462	1
## 8356	126.36462	0.414270	1
## 8357	121.95637	0.299030	1
## 8358	131.79562	0.555319	1
## 8359	116.66055	0.503725	1
## 8360	125.55543	0.414979	1
## 8361	98.66987	0.510775	1
## 8362	85.71948	0.468753	1
## 8363	89.75633	0.454389	1
## 8364	65.38028	0.441306	1
## 8365	106.58293	0.606362	1
## 8366	121.80552	0.798368	1
## 8367	122.07553	0.727078	1
## 8368	114.13135	0.855980	1
## 8369	117.86378	0.876090	1
## 8370	95.73840	0.649311	1
## 8371	95.95572	0.385445	1
## 8372	141.33075	0.446587	1
## 8373	143.02357	0.491900	1
## 8374	133.56473	0.689081	1
## 8375	111.68536	0.474049	1
## 8376	150.75413	0.502039	1
## 8377	124.65655	0.398466	1
## 8378	108.62140	0.587862	1
## 8379	137.59161	0.557162	1
## 8380	147.26764	0.460904	1
## 8381	136.03363	0.718244	1
## 8382	112.82645	0.466558	1
## 8383	116.71318	0.615452	1
## 8384	123.06207	0.505825	1
## 8385	120.72813	0.765281	1
## 8386	121.19375	0.641379	1
## 8387	120.30039	0.465101	1
## 8388	132.42705	0.467756	1
## 8389	112.23531	0.640229	1
## 8390	109.41163	0.472435	1
## 8391	106.77861	0.467278	1
## 8392	116.16344	0.399274	1
## 8393	97.90864	0.474350	1
## 8394	105.19916	0.410589	1
## 8395	116.25196	0.462244	1

## 8396	105.98362	0.873667	1
## 8397	118.96355	0.897018	1
## 8398	122.98202	0.462362	1
## 8399	102.41873	0.402690	1
## 8400	115.46704	0.376257	1
## 8401	90.81396	0.441858	1
## 8402	111.15717	0.260621	1
## 8403	96.81977	0.321820	1
## 8404	125.87873	0.385515	1
## 8405	86.03452	0.331955	1
## 8406	96.34176	0.315875	1
## 8407	82.75040	0.420519	1
## 8408	96.88998	0.268487	1
## 8409	92.67932	0.431748	1
## 8410	80.73795	0.552562	1
## 8411	98.58170	0.338614	1
## 8412	84.42409	0.247124	1
## 8413	75.93372	0.226366	1
## 8414	84.09667	0.595261	1
## 8415	90.19683	0.662686	1
## 8416	106.32755	0.656844	1
## 8417	102.26300	0.840763	1
## 8418	103.95309	0.748136	1
## 8419	118.30311	0.807344	1
## 8420	106.98172	0.800103	1
## 8421	94.48867	0.665985	1
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## 8435	117.49257	0.751756	1
## 8436	108.64940	0.537913	1
## 8437	108.49545	0.622058	1
## 8438	105.02542	0.399220	1
## 8439	121.92763	0.566592	1
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## 8446	127.21521	0.648072	1
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## 8448	100.58492	0.850681	1
## 8449	93.07153	0.240727	1

## 8450	92.89362	0.195638	1
## 8451	99.14314	0.700080	1
## 8452	116.22581	0.541758	1
## 8453	116.51143	0.455736	1
## 8454	118.48908	0.427510	-1
## 8455	145.35281	0.358028	-1
## 8456	154.33531	0.524179	-1
## 8457	152.40266	0.559879	-1
## 8458	143.00064	0.513575	-1
## 8459	140.06543	0.359378	-1
## 8460	125.01399	0.387502	-1
## 8461	126.84739	0.432136	-1
## 8462	140.27759	0.488867	-1
## 8463	129.80623	0.306684	-1
## 8464	129.88432	0.501001	-1
## 8465	149.23413	0.516670	-1
## 8466	150.65958	0.536125	-1
## 8467	153.78873	0.500208	-1
## 8468	127.94312	0.529478	-1
## 8469	148.73228	0.616008	-1
## 8470	158.41388	0.666870	-1
## 8471	162.64540	0.694059	-1
## 8472	157.69630	0.716370	-1
## 8473	121.35439	0.347182	-1
## 8474	138.17650	0.372075	-1
## 8475	161.54239	0.679559	-1
## 8476	155.58632	0.622945	-1
## 8477	135.30699	0.636919	-1
## 8478	118.79275	0.348633	-1
## 8479	121.89235	0.740138	-1
## 8480	142.78952	0.635181	-1
## 8481	123.23777	0.469780	-1
## 8482	125.85421	0.401930	-1
## 8483	145.79852	0.888336	-1
## 8484	139.78888	0.470112	-1
## 8485	136.71805	0.391275	-1
## 8486	150.71275	0.650483	-1
## 8487	138.57274	0.573794	-1
## 8488	146.20160	0.690552	-1
## 8489	152.14519	0.692993	-1
## 8490	153.34299	0.671511	-1
## 8491	131.30083	0.624575	-1
## 8492	133.94611	0.295170	-1
## 8493	135.15857	0.420458	-1
## 8494	143.90218	0.533818	1
## 8495	99.90996	0.550327	1
## 8496	103.90372	0.735809	1
## 8497	133.09216	0.648430	1
## 8498	125.97923	0.572201	1
## 8499	129.26784	0.480008	1
## 8500	104.07661	0.601415	1
## 8501	102.66563	0.529993	1
## 8502	99.00343	0.627882	1
## 8503	85.58102	0.782092	1

## 8504	107.06945	0.551225	1
## 8505	101.27341	0.538395	1
## 8506	105.29283	0.718189	1
## 8507	102.70348	0.596291	1
## 8508	77.79934	0.472168	1
## 8509	93.60245	0.603098	1
## 8510	98.28653	0.492624	1
## 8511	121.13055	0.600243	1
## 8512	101.51653	0.566113	1
## 8513	126.07433	0.484749	1
## 8514	127.34544	0.611065	1
## 8515	108.70353	0.697984	1
## 8516	110.54726	0.544461	1
## 8517	129.58678	0.616853	1
## 8518	124.32931	0.544574	1
## 8519	121.04861	0.890159	1
## 8520	119.84705	0.200860	1
## 8521	113.15363	0.676615	1
## 8522	120.78142	0.632115	1
## 8523	104.60832	0.532286	1
## 8524	121.18418	0.436354	1
## 8525	124.56421	0.633922	1
## 8526	144.78627	0.195465	1
## 8527	125.67700	0.768632	1
## 8528	116.90927	0.402886	1
## 8529	137.13054	0.590817	1
## 8530	100.58739	0.523328	1
## 8531	99.87076	0.582572	1
## 8532	115.26762	0.519026	1
## 8533	103.21348	0.613401	1
## 8534	113.63250	0.382404	1
## 8535	125.22543	0.571130	1
## 8536	93.36656	0.438093	1
## 8537	85.36643	0.431258	1
## 8538	111.69373	0.318186	1
## 8539	103.58318	0.693650	1
## 8540	110.13409	0.452511	1
## 8541	117.52020	0.370969	1
## 8542	111.38423	0.711384	1
## 8543	117.88200	0.836132	1
## 8544	116.28494	0.537827	1
## 8545	109.24149	0.463911	1
## 8546	94.24783	0.523275	1
## 8547	90.54311	0.227392	1
## 8548	72.87964	0.399547	1
## 8549	81.53745	0.383107	1
## 8550	75.14220	0.403759	1
## 8551	75.23041	0.377737	1
## 8552	105.19342	0.377431	1
## 8553	101.42407	0.371415	1
## 8554	151.91569	0.330005	1
## 8555	131.48970	0.419090	1
## 8556	122.60992	0.807931	1
## 8557	125.65441	0.780905	1

## 8558	111.96858	0.270155	1
## 8559	106.52488	0.474224	1
## 8560	114.18123	0.857794	1
## 8561	111.12864	0.446932	1
## 8562	91.98214	0.398444	1
## 8563	90.68359	0.610270	1
## 8564	104.03522	0.458015	1
## 8565	99.07080	0.485327	1
## 8566	108.75392	0.621510	1
## 8567	107.05720	0.378143	1
## 8568	80.34094	0.530126	1
## 8569	81.02865	0.521874	1
## 8570	103.57361	0.498022	1
## 8571	113.62507	0.418941	1
## 8572	88.78723	0.331192	1
## 8573	100.21255	0.512282	1
## 8574	110.99583	0.424694	1
## 8575	96.76405	0.430378	1
## 8576	105.86327	0.415053	1
## 8577	113.71999	0.633874	1
## 8578	92.65053	0.329585	1
## 8579	101.68512	0.429162	1
## 8580	90.23894	0.386850	1
## 8581	107.76370	0.599629	1
## 8582	90.88641	0.784153	1
## 8583	131.44635	0.616017	1
## 8584	127.95863	0.703107	1
## 8585	133.45990	0.745799	1
## 8586	112.31873	0.721928	1
## 8587	137.86844	0.879865	1
## 8588	142.40613	0.413379	1
## 8589	121.67587	0.454253	1
## 8590	137.15524	0.426590	1
## 8591	133.66237	0.440165	1
## 8592	139.47920	0.416249	1
## 8593	139.84593	0.492910	1
## 8594	95.46730	0.432291	1
## 8595	139.57379	0.489301	1
## 8596	114.04510	0.510326	1
## 8597	134.86150	0.808256	1
## 8598	137.96434	0.248550	1
## 8599	111.29671	0.871001	1
## 8600	99.73106	0.769429	1
## 8601	118.57985	0.307041	1
## 8602	125.73023	0.379177	1
## 8603	129.94861	0.491524	1
## 8604	129.82033	0.639645	1
## 8605	109.81194	0.696839	1
## 8606	138.39650	0.536340	1
## 8607	105.23650	0.448083	1
## 8608	131.88300	0.442952	-1
## 8609	119.22935	0.343181	-1
## 8610	115.84066	0.502890	-1
## 8611	124.48164	0.522690	-1

## 8612	135.02771	0.421888	-1
## 8613	129.13209	0.468660	-1
## 8614	153.88852	0.634245	-1
## 8615	166.18896	0.657405	-1
## 8616	135.67543	0.653537	-1
## 8617	135.76816	0.644628	-1
## 8618	147.45129	0.585835	-1
## 8619	146.71782	0.763166	-1
## 8620	151.52104	0.700203	-1
## 8621	152.34676	0.685479	-1
## 8622	155.10204	0.606186	-1
## 8623	155.98662	0.654391	-1
## 8624	151.87009	0.594557	-1
## 8625	138.50394	0.611181	-1
## 8626	123.35860	0.240592	-1
## 8627	144.85965	0.492246	-1
## 8628	133.94566	0.581249	-1
## 8629	161.62576	0.276364	-1
## 8630	153.24541	0.580227	-1
## 8631	139.05292	0.382511	-1
## 8632	81.71287	0.471514	-1
## 8633	87.57455	0.336624	-1
## 8634	141.26129	0.206287	-1
## 8635	142.44402	0.366917	-1
## 8636	146.85797	0.340750	-1
## 8637	153.81662	0.217262	-1
## 8638	122.53818	0.410320	-1
## 8639	142.02289	0.643140	-1
## 8640	122.65865	0.287697	-1
## 8641	143.20342	0.571327	-1
## 8642	125.30969	0.535425	-1
## 8643	118.25691	0.553467	-1
## 8644	138.48776	0.762680	-1
## 8645	139.80144	0.774817	-1
## 8646	137.17818	0.542945	-1
## 8647	148.16650	0.686479	-1
## 8648	132.10428	0.535279	-1
## 8649	145.55136	0.625871	-1
## 8650	139.69650	0.624864	-1
## 8651	146.40279	0.622722	-1
## 8652	148.83787	0.619763	-1
## 8653	169.16281	0.703692	-1
## 8654	129.14198	0.606526	-1
## 8655	129.28777	0.675011	-1
## 8656	119.08809	0.653261	-1
## 8657	134.22041	0.689157	-1
## 8658	139.43195	0.551513	-1
## 8659	136.55875	0.491160	-1
## 8660	129.85355	0.499112	-1
## 8661	137.22768	0.493846	-1
## 8662	134.37741	0.500267	-1
## 8663	131.23231	0.597304	-1
## 8664	140.78413	0.622961	-1
## 8665	86.85976	0.501112	-1

## 8666	111.45700	0.454149	-1
## 8667	134.94609	0.463694	-1
## 8668	160.46811	0.632983	-1
## 8669	161.07112	0.499759	-1
## 8670	147.74382	0.547456	-1
## 8671	142.48949	0.518835	1
## 8672	130.80309	0.413810	1
## 8673	105.79492	0.453915	1
## 8674	133.69402	0.673652	1
## 8675	139.65428	0.601570	1
## 8676	148.32637	0.468190	1
## 8677	131.24184	0.467113	1
## 8678	118.38530	0.201017	1
## 8679	117.38124	0.382844	1
## 8680	97.13253	0.361404	1
## 8681	124.91811	0.376190	1
## 8682	138.10359	0.371994	1
## 8683	117.31415	0.379734	1
## 8684	102.45594	0.398444	1
## 8685	144.20258	0.381261	1
## 8686	132.47545	0.445122	1
## 8687	139.44694	0.854481	1
## 8688	135.30061	0.819915	1
## 8689	131.64598	0.282391	1
## 8690	131.34134	0.489780	1
## 8691	118.38275	0.805513	1
## 8692	105.09158	0.297078	1
## 8693	103.30094	0.395795	1
## 8694	106.48248	0.465741	1
## 8695	112.77634	0.438361	1
## 8696	102.21750	0.469711	1
## 8697	80.46890	0.560673	1
## 8698	117.77313	0.447494	1
## 8699	138.97726	0.500958	1
## 8700	126.65115	0.422345	1
## 8701	121.08608	0.494628	1
## 8702	133.47685	0.509546	1
## 8703	127.09068	0.709398	1
## 8704	115.70791	0.613003	1
## 8705	131.07690	0.721485	1
## 8706	117.06737	0.699452	1
## 8707	113.04947	0.391154	1
## 8708	111.90272	0.576390	1
## 8709	97.21349	0.768868	1
## 8710	126.26174	0.353879	1
## 8711	120.61211	0.380363	1
## 8712	117.53474	0.405962	1
## 8713	125.96745	0.657853	1
## 8714	130.99611	0.464040	1
## 8715	153.62686	0.470280	1
## 8716	149.65569	0.413481	1
## 8717	128.40628	0.491487	1
## 8718	119.70390	0.387510	1
## 8719	124.23670	0.615209	1

## 8720	125.96531	0.895547	1
## 8721	125.65720	0.558425	1
## 8722	119.50039	0.411920	1
## 8723	109.68825	0.559477	1
## 8724	150.70065	0.563799	1
## 8725	139.55955	0.606347	1
## 8726	123.37540	0.552372	1
## 8727	112.06902	0.527342	1
## 8728	111.34109	0.763388	1
## 8729	119.01407	0.689011	1
## 8730	110.17889	0.461626	1
## 8731	115.95610	0.420099	1
## 8732	142.59134	0.691657	1
## 8733	146.21907	0.706025	1
## 8734	122.18413	0.692666	1
## 8735	128.00429	0.830672	1
## 8736	141.17529	0.539745	1
## 8737	110.03919	0.565848	1
## 8738	110.01849	0.591836	1
## 8739	123.19179	0.409099	1
## 8740	119.93108	0.360580	1
## 8741	110.57265	0.511737	1
## 8742	105.42756	0.436228	1
## 8743	118.10389	0.357916	1
## 8744	105.32664	0.470016	1
## 8745	110.14401	0.354443	1
## 8746	87.05747	0.803710	1
## 8747	101.03973	0.527598	1
## 8748	93.81903	0.520267	1
## 8749	95.46347	0.483225	1
## 8750	92.35343	0.598233	1
## 8751	89.09736	0.537503	1
## 8752	118.84151	0.530846	1
## 8753	112.88625	0.750313	1
## 8754	115.46957	0.670082	1
## 8755	132.90710	0.650053	1
## 8756	130.44904	0.783730	1
## 8757	123.27236	0.841431	1
## 8758	136.11929	0.701057	1
## 8759	127.88058	0.726347	1
## 8760	119.20977	0.337628	1
## 8761	107.89755	0.730524	1
## 8762	123.21914	0.849360	1
## 8763	125.25793	0.751324	1
## 8764	98.45134	0.262197	1
## 8765	91.06531	0.475937	1
## 8766	87.38430	0.311019	1
## 8767	74.05335	0.317125	1
## 8768	101.50143	0.363844	1
## 8769	116.31679	0.561695	1
## 8770	121.60528	0.744739	1
## 8771	114.98066	0.639455	1
## 8772	79.62308	0.591846	1
## 8773	115.33811	0.460218	1

## 8774	135.74483	0.602188	1
## 8775	122.82686	0.493375	1
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## 8779	80.84100	0.511983	1
## 8780	90.32611	0.664366	1
## 8781	101.99992	0.545688	1
## 8782	114.78386	0.457249	1
## 8783	104.79952	0.591053	1
## 8784	101.66255	0.483511	1
## 8785	77.51512	0.542786	1
## 8786	90.93398	0.584353	1
## 8787	98.43224	0.564042	1
## 8788	114.78394	0.593209	1
## 8789	90.06921	0.743800	1
## 8790	77.67140	0.533183	1
## 8791	127.99091	0.601647	1
## 8792	119.64105	0.694841	1
## 8793	117.89535	0.701999	1
## 8794	129.94138	0.875023	1
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## 8796	137.35555	0.373976	1
## 8797	139.69153	0.438867	1
## 8798	134.39944	0.603373	1
## 8799	120.89750	0.327034	1
## 8800	103.52171	0.487142	1
## 8801	100.41352	0.340419	1
## 8802	139.98987	0.454824	1
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## 8809	113.40093	0.898303	1
## 8810	117.90483	0.800920	1
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## 8823	107.59368	0.696035	1
## 8824	102.86382	0.365789	1
## 8825	116.68827	0.503810	1
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## 8837	92.80060	0.789577	1
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## 8839	83.73930	0.547251	1
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## 8850	123.58632	0.311088	1
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## 8852	122.04404	0.566050	1
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## 8855	119.95376	0.694155	1
## 8856	123.69991	0.718626	1
## 8857	118.09464	0.467778	1
## 8858	97.54765	0.386301	1
## 8859	136.70961	0.550125	1
## 8860	128.02084	0.518668	1
## 8861	121.41261	0.542486	1
## 8862	135.18127	0.813597	1
## 8863	95.63657	0.763806	1
## 8864	117.28001	0.521662	1
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## 8870	126.11425	0.469851	1
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## 8903	119.17529	0.312313	-1
## 8904	125.95702	0.331567	-1
## 8905	117.55016	0.336457	-1
## 8906	128.26727	0.362909	-1
## 8907	130.66014	0.348617	-1
## 8908	89.24204	0.382212	-1
## 8909	134.85259	0.314806	-1
## 8910	138.20222	0.409912	-1
## 8911	127.07590	0.450146	-1
## 8912	112.56906	0.524189	-1
## 8913	119.86165	0.453734	-1
## 8914	113.60823	0.252938	-1
## 8915	134.33498	0.612549	-1
## 8916	133.61658	0.772759	-1
## 8917	151.69513	0.608796	-1
## 8918	132.78958	0.562773	-1
## 8919	143.96001	0.688937	-1
## 8920	150.13194	0.684236	-1
## 8921	150.15909	0.696727	-1
## 8922	158.37532	0.368954	-1
## 8923	131.52033	0.844974	-1
## 8924	141.96137	0.481339	-1
## 8925	136.86037	0.468257	-1
## 8926	140.73692	0.542863	-1
## 8927	131.07016	0.609341	-1
## 8928	135.53746	0.863753	-1
## 8929	130.48946	0.319666	-1
## 8930	115.12501	0.362097	-1
## 8931	135.59735	0.435417	-1
## 8932	129.82877	0.394143	-1
## 8933	105.90756	0.443081	-1
## 8934	109.02970	0.880545	-1
## 8935	138.90956	0.377696	-1

## 8936	131.00435	0.367214	-1
## 8937	128.81590	0.337419	-1
## 8938	106.93130	0.375969	-1
## 8939	131.25699	0.452237	-1
## 8940	139.64004	0.245442	-1
## 8941	135.42348	0.317324	-1
## 8942	143.74071	0.395943	-1
## 8943	128.95918	0.446187	-1
## 8944	107.72533	0.352878	-1
## 8945	120.07271	0.408105	-1
## 8946	105.96944	0.350253	-1
## 8947	123.76202	0.261802	-1
## 8948	104.95393	0.302044	-1
## 8949	119.01114	0.247615	-1
## 8950	91.29748	0.337913	-1
## 8951	133.21045	0.421492	-1
## 8952	99.62022	0.476163	-1
## 8953	119.67304	0.452410	-1
## 8954	121.44539	0.368300	-1
## 8955	97.81854	0.277791	-1
## 8956	135.61362	0.343137	-1
## 8957	138.14589	0.712731	-1
## 8958	142.60010	0.707758	-1
## 8959	140.89375	0.653272	-1
## 8960	143.98425	0.730832	-1
## 8961	147.33760	0.737446	-1
## 8962	145.10487	0.708502	-1
## 8963	144.24171	0.657209	-1
## 8964	111.69467	0.385106	-1
## 8965	140.67783	0.713837	-1
## 8966	97.43404	0.478794	-1
## 8967	138.76128	0.704903	-1
## 8968	141.84566	0.748092	-1
## 8969	149.92796	0.779016	-1
## 8970	145.79486	0.703295	-1
## 8971	145.68788	0.696092	-1
## 8972	146.16783	0.746352	-1
## 8973	141.28894	0.722766	-1
## 8974	136.72836	0.669563	-1
## 8975	126.42574	0.314249	-1
## 8976	141.11469	0.776211	-1
## 8977	139.84775	0.610532	-1
## 8978	144.36874	0.815680	-1
## 8979	136.31168	0.700175	-1
## 8980	144.16844	0.721510	-1
## 8981	146.64615	0.706147	-1
## 8982	147.12585	0.661629	-1
## 8983	145.92232	0.634178	-1
## 8984	124.14065	0.389899	-1
## 8985	117.56736	0.418641	-1
## 8986	128.43520	0.522025	-1
## 8987	120.13783	0.359523	-1
## 8988	137.70480	0.300156	-1
## 8989	123.48611	0.279259	-1

## 8990	123.99003	0.374599	-1
## 8991	127.48064	0.373469	-1
## 8992	133.91124	0.577368	-1
## 8993	115.60571	0.525985	-1
## 8994	126.64198	0.596368	-1
## 8995	134.39113	0.442794	-1
## 8996	145.32155	0.513932	-1
## 8997	143.53177	0.377383	-1
## 8998	108.39841	0.451805	-1
## 8999	126.88242	0.474592	-1
## 9000	120.38249	0.608599	-1
## 9001	119.09172	0.358016	-1
## 9002	128.85516	0.668307	-1
## 9003	133.65491	0.382834	-1
## 9004	87.72618	0.378170	-1
## 9005	92.59552	0.393901	-1
## 9006	133.22363	0.323338	-1
## 9007	99.24915	0.358720	-1
## 9008	96.35899	0.584241	1
## 9009	147.17555	0.617519	1
## 9010	126.55640	0.764659	1
## 9011	117.43446	0.585473	1
## 9012	91.31001	0.395980	1
## 9013	132.23434	0.598600	1
## 9014	122.31286	0.723800	1
## 9015	116.30149	0.671939	1
## 9016	90.56995	0.338692	1
## 9017	126.30384	0.244255	1
## 9018	132.46523	0.235287	1
## 9019	97.89689	0.300477	1
## 9020	114.42849	0.135255	1
## 9021	113.26835	0.317700	1
## 9022	100.85737	0.303753	1
## 9023	129.83372	0.204141	1
## 9024	108.67997	0.275011	1
## 9025	122.54464	0.263597	1
## 9026	75.48794	0.231164	1
## 9027	85.62035	0.400667	1
## 9028	130.70511	0.518670	1
## 9029	105.49434	0.471946	1
## 9030	106.92684	0.123569	1
## 9031	102.42326	0.100687	1
## 9032	111.04575	0.340993	1
## 9033	101.66231	0.222801	1
## 9034	99.60156	0.336657	1
## 9035	113.05442	0.154270	1
## 9036	109.65215	0.266508	1
## 9037	108.85644	0.252021	1
## 9038	121.41011	0.391945	1
## 9039	104.60792	0.742754	1
## 9040	124.53303	0.519904	1
## 9041	129.85356	0.568409	1
## 9042	134.34720	0.572198	1
## 9043	118.53513	0.589899	1

```

## 9044      141.15065      0.620236      1
## 9045      128.76045      0.752055      1
## 9046      127.11920      0.478835      1
## 9047      128.60437      0.738381      1
## 9048      124.94827      0.517850      1
## 9049      149.06619      0.512814      1
## 9050      152.67822      0.667964      1
## 9051      130.91586      0.493919      1
## 9052      125.01266      0.661634      1
## 9053      143.33209      0.693037      1
## 9054      138.89987      0.496042      1
## 9055      114.59188      0.367366      1
## 9056      136.35284      0.585861      1
## 9057      135.39467      0.730463      1
## 9058      133.78038      0.664912      1
## 9059      126.16728      0.814998      1
## 9060      138.26813      0.434065      1
## 9061      118.59701      0.781525      1
## 9062      153.70273      0.678008      1
## 9063      131.75011      0.773920      1
## 9064      112.62716      0.566999      1
## 9065      139.56079      0.554790      1
## 9066      134.42114      0.512916      1
## 9067      107.06127      0.716657      1
## 9068      114.01932      0.674383      1
## 9069      142.03056      0.916189      1
## 9070      110.64997      0.376824      1
## 9071      119.73788      0.368758      1
## 9072      112.78882      0.195817      1
## 9073      119.49161      0.212911      1
## 9074      133.80722      0.249848      1
## 9075      153.35135      0.237265      1
## 9076      162.92999      0.335410      1
## 9077      121.02101      0.271579      1
## 9078      112.81303      0.221916      1
## 9079      113.55922      0.384518      1
## 9080      104.23521      0.219739      1
## 9081      130.88103      0.322264      1
## 9082      127.32573      0.285627      1
## 9083      110.16953      0.325242      1
## 9084      126.12717      0.178368      1
## 9085      127.93056      0.266221      1
## 9086      128.74210      0.350765      1
## 9087      114.70434      0.134690      1
## 9088      121.64701      0.089501      1
## 9089      113.63926      0.316759      1
## 9090      131.79599      0.323424      1
## [ reached 'max' / getOption("max.print") -- omitted 13455 rows ]

```

Afterwards, we just simply had to run the function `cor()`, to discover how each column was related to each other to

```

##          shot_length motion_distr_mn frame_diff_dist_mn
## shot_length      1.00000000    -0.147625726    -0.149212625
## motion_distr_mn  -0.14762573     1.000000000     0.715703132

```

```

## frame_diff_dist_mn      -0.14921262      0.715703132      1.000000000
## short_time_energy_mn    0.02648501      -0.007160132      -0.023968229
## zcr_mn                  0.19090475      -0.052205970      -0.042074142
## spectral_centroid_mn    0.36441928      -0.179064774      -0.298912770
## spectral_roll_off_mn    0.38018472      -0.221524744      -0.384839454
## spectral_flux_mn        0.10231118      -0.019123107      0.006196663
## \t\nfundamental_freq_mn 0.29268568      -0.096980636      -0.090672211
## motion_dist_mn          0.21214421      -0.757645267      -0.645178936
## label                   -0.27210692      0.053938038      -0.047456520
##
## short_time_energy_mn      zcr_mn spectral_centroid_mn
## shot_length              0.026485006  0.19090475      0.3644193
## motion_distr_mn          -0.007160132 -0.05220597      -0.1790648
## frame_diff_dist_mn       -0.023968229 -0.04207414      -0.2989128
## short_time_energy_mn     1.000000000 -0.12505793      0.3087839
## zcr_mn                   -0.125057928  1.000000000      0.3089015
## spectral_centroid_mn     0.308783942  0.30890154      1.0000000
## spectral_roll_off_mn     0.160313488  0.03308083      0.8092628
## spectral_flux_mn         0.823463249 -0.05336937      0.2834196
## \t\nfundamental_freq_mn 0.022512016  0.53355483      0.4190101
## motion_dist_mn           0.031412848  0.06741515      0.3139645
## label                    0.108814835 -0.25376348      -0.2734260
##
## spectral_roll_off_mn      spectral_flux_mn
## shot_length              0.38018472      0.102311184
## motion_distr_mn          -0.22152474      -0.019123107
## frame_diff_dist_mn       -0.38483945      0.006196663
## short_time_energy_mn     0.16031349      0.823463249
## zcr_mn                   0.03308083      -0.053369373
## spectral_centroid_mn     0.80926285      0.283419648
## spectral_roll_off_mn     1.00000000      0.168405909
## spectral_flux_mn         0.16840591      1.000000000
## \t\nfundamental_freq_mn 0.32491709      0.236159291
## motion_dist_mn           0.38976247      0.036431956
## label                    -0.24451480      -0.140024993
##
## \t\nfundamental_freq_mn      motion_dist_mn      label
## shot_length              0.29268568      0.21214421 -0.27210692
## motion_distr_mn          -0.09698064      -0.75764527 0.05393804
## frame_diff_dist_mn       -0.09067221      -0.64517894 -0.04745652
## short_time_energy_mn     0.02251202      0.03141285 0.10881483
## zcr_mn                   0.53355483      0.06741515 -0.25376348
## spectral_centroid_mn     0.41901010      0.31396448 -0.27342595
## spectral_roll_off_mn     0.32491709      0.38976247 -0.24451480
## spectral_flux_mn         0.23615929      0.03643196 -0.14002499
## \t\nfundamental_freq_mn 1.00000000      0.12825129 -0.39495599
## motion_dist_mn           0.12825129      1.00000000 -0.04520322
## label                    -0.39495599      -0.04520322 1.00000000

```

We will choose to only get rid of motion_distr_mean because it is highly correlated with two other categories (frame_diff_dist_mn and motion_dist_mn) based on the threshold of .7 and -.7. Therefore motion_distr_mn is the optimal removal choice. And after this set our data is finished being cleaned, and we are ready to use KNN!

The remaining columns to be used are:

```

## [1] "shot_length"          "frame_diff_dist_mn"
## [3] "short_time_energy_mn" "zcr_mn"

```

```
## [5] "spectral_centroid_mn"      "spectral_roll_off_mn"
## [7] "spectral_flux_mn"         "\t\nfundamental_freq_mn"
## [9] "motion_dist_mn"           "label"
```

Generate Training and Testing Sets

Data Sets

Training Data

##	shot_length	frame_diff_dist_mn	short_time_energy_mn	zcr_mn
## 16605	28	10.919862	0.015575	0.113728
## 6927	94	17.287212	0.008855	0.122806
## 9657	82	35.006763	0.024365	0.073552
## 14313	32	42.724541	0.006376	0.081738
## 21870	84	3.738151	0.024549	0.097954
## 21278	25	18.405970	0.009217	0.107875
## 13189	32	6.532771	0.018975	0.110059
## 17249	99	10.780879	0.017396	0.116446
## 3110	146	2.450138	0.015306	0.117316
## 14846	46	7.302652	0.019258	0.111889
## 8897	82	21.512352	0.017698	0.147028
## 6166	55	5.589220	0.015575	0.073352
## 197	36	4.941773	0.017075	0.098785
## 4858	26	7.792694	0.013121	0.087981
## 5190	85	7.133958	0.014425	0.115294
## 19179	32	6.448182	0.018763	0.097070
## 17808	64	12.949337	0.016554	0.122998
## 12025	32	21.451115	0.011190	0.066895
## 17113	59	29.153255	0.003180	0.103231
## 2437	25	31.354197	0.012932	0.138625
## 3879	25	27.167507	0.018460	0.127500
## 3086	25	14.962847	0.015054	0.116250
## 10143	271	8.886487	0.012957	0.127848
## 19632	44	18.748899	0.015193	0.113281
## 12867	102	23.749308	0.013873	0.138940
## 18925	48	7.221472	0.017142	0.121419
## 19148	25	24.885950	0.017873	0.103375
## 217	60	6.366230	0.016199	0.141146
## 7674	45	37.764915	0.021118	0.110556
## 3336	46	3.659811	0.012652	0.114606
## 11772	46	3.815999	0.013768	0.099185
## 7635	25	12.484689	0.006139	0.081000
## 6811	136	17.971701	0.007248	0.059122
## 21888	36	32.582436	0.023528	0.107552
## 20987	58	13.212892	0.019136	0.097899
## 20848	49	9.044181	0.021090	0.150957
## 2715	129	11.837935	0.017083	0.178101
## 10472	62	39.791328	0.022209	0.102268
## 10827	37	7.000120	0.006571	0.195186
## 2350	29	5.933731	0.016372	0.110991
## 19357	343	5.520583	0.015197	0.103918
## 21233	404	12.110890	0.014730	0.140981
## 18089	442	6.928810	0.014915	0.102270
## 1856	55	11.685235	0.020321	0.070852

## 6325	692	5.471398	0.011835 0.111972
## 16742	37	20.487013	0.010858 0.126351
## 18716	29	15.167730	0.012787 0.134591
## 16689	137	8.886841	0.025212 0.109649
## 17541	59	13.375059	0.015188 0.123252
## 1235	291	3.418098	0.016234 0.127534
## 15545	118	6.993099	0.027985 0.076854
## 22061	25	27.435532	0.024618 0.078375
## 11050	32	6.155337	0.019429 0.116504
## 22069	235	10.705110	0.024042 0.130173
## 13147	60	6.641213	0.023729 0.087187
## 14871	25	3.551753	0.014341 0.062250
## 20249	26	5.180999	0.005771 0.105889
## 18024	85	9.895308	0.016012 0.111618
## 18754	25	35.309475	0.016718 0.108000
## 9448	25	50.107986	0.018268 0.061125
## 4317	25	3.753397	0.016605 0.087875
## 5994	25	12.400593	0.010995 0.119750
## 4491	30	13.541666	0.019792 0.045938
## 13143	31	13.750731	0.017085 0.100101
## 14348	104	9.776300	0.018522 0.111178
## 4311	55	5.993462	0.018736 0.092330
## 8220	25	36.096130	0.018024 0.174250
## 12902	38	5.858930	0.021057 0.085526
## 12558	44	8.075878	0.014992 0.097585
## 17474	51	19.800138	0.024802 0.084926
## 11491	65	5.863717	0.015517 0.104327
## 12590	476	4.422405	0.023334 0.095805
## 2098	272	3.428857	0.015935 0.105469
## 5904	1893	6.929264	0.017723 0.144046
## 4682	59	9.797822	0.014012 0.171398
## 19685	82	3.971240	0.015356 0.139329
## 8516	28	7.052117	0.015316 0.110156
## 13298	154	5.952149	0.016655 0.171855
## 14870	30	24.151379	0.013368 0.101875
## 5166	123	3.901220	0.009112 0.145046
## 14661	25	36.859558	0.007901 0.062125
## 20997	32	6.546911	0.017834 0.120996
## 15467	25	6.440526	0.010285 0.096375
## 1087	36	25.380999	0.017667 0.070747
## 7057	47	5.043654	0.025717 0.121809
## 21340	58	20.443399	0.007772 0.087716
## 21757	196	5.441205	0.014312 0.111830
## 8946	25	20.953543	0.016885 0.095625
## 17696	42	9.327825	0.001999 0.244122
## 16888	25	31.762039	0.018046 0.055875
## 13394	47	13.006788	0.015852 0.126396
## 2318	87	5.822551	0.019492 0.123420
## 7459	41	2.444468	0.008305 0.155945
## 3473	37	2.352395	0.016723 0.116216
## 7146	325	12.801925	0.015222 0.177279
## 8210	91	12.549831	0.013922 0.065694
## 16781	66	8.742276	0.019502 0.116856
## 11909	35	9.032179	0.013105 0.103571

## 122	93	7.171687	0.018659 0.104133
## 16858	30	24.852085	0.019419 0.139167
## 9854	49	9.467030	0.021589 0.082079
## 19832	31	11.550197	0.015563 0.117238
## 4010	154	1.387669	0.017020 0.110491
## 15969	79	17.472084	0.015940 0.117326
## 16285	38	25.352383	0.024023 0.048520
## 3694	47	17.737020	0.015054 0.098072
## 20887	62	10.232229	0.019060 0.123337
## 16717	60	1.975439	0.018299 0.124792
## 3846	85	1.873374	0.015430 0.108676
## 9793	65	8.267549	0.018140 0.079519
## 7949	113	16.524883	0.019211 0.168722
## 6183	25	13.353847	0.011197 0.081875
## 4220	134	1.674755	0.019419 0.073041
## 13436	123	6.290130	0.019684 0.087932
## 18183	25	16.326250	0.012181 0.081750
## 18472	359	8.269637	0.017692 0.151454
## 1629	695	3.857279	0.016199 0.125018
## 21832	25	20.189890	0.029387 0.084875
## 19689	32	33.659779	0.012218 0.126270
## 21414	25	8.821225	0.018075 0.107500
## 5487	51	13.290172	0.014579 0.108640
## 15085	37	2.678635	0.013605 0.145017
## 21330	25	49.082642	0.019154 0.073500
## 17822	46	21.992250	0.017104 0.195856
## 16256	53	6.889497	0.019202 0.055837
## 13795	51	7.908093	0.019978 0.145404
## 19242	89	11.363212	0.020984 0.124192
## 21781	141	16.014971	0.013735 0.142398
## 9682	47	13.109777	0.019127 0.111569
## 3258	279	2.726736	0.018252 0.081519
## 12068	110	5.100788	0.014205 0.108324
## 21524	84	16.915104	0.017021 0.095164
## 17168	35	7.473224	0.007368 0.063750
## 16793	25	7.368593	0.013685 0.063875
## 14507	41	12.187694	0.009632 0.098476
## 16875	28	13.628571	0.000587 0.082589
## 6251	32	0.940256	0.019963 0.095508
## 3061	44	10.152329	0.019162 0.076420
## 4885	30	8.511332	0.012174 0.060000
## 20966	25	26.619068	0.018327 0.107750
## 10398	42	21.270411	0.013115 0.099628
## 12278	211	4.687429	0.018036 0.096253
## 7887	127	8.023934	0.011551 0.074360
## 3164	25	18.685219	0.015138 0.078250
## 5301	96	8.616622	0.024178 0.117057
## 20768	455	10.038359	0.013401 0.139547
## 2175	167	12.353430	0.016354 0.106362
## 987	25	21.462536	0.016873 0.083875
## 1455	25	5.271973	0.022879 0.100875
## 19823	36	11.380280	0.016771 0.125347
## 17731	25	8.295646	0.022107 0.148625
## 4510	177	6.083385	0.018029 0.062482

## 19328	335	6.209926	0.017143 0.118899
## 10629	50	14.871693	0.023992 0.095625
## 10871	25	6.261326	0.010627 0.071000
## 13108	44	7.363524	0.010921 0.065909
## 11252	483	12.152411	0.014192 0.158741
## 16740	26	29.063957	0.014686 0.089423
## 4861	25	17.271111	0.009930 0.101500
## 11258	154	11.807590	0.014038 0.177719
## 16593	78	8.611886	0.018504 0.129046
## 21748	146	4.237876	0.011781 0.098009
## 11362	37	4.914124	0.017140 0.111571
## 563	36	16.694359	0.001723 0.045573
## 12646	25	35.452621	0.008982 0.124750
## 4041	61	2.449084	0.013710 0.119057
## 8839	30	6.566407	0.008254 0.062708
## 21516	156	15.056279	0.020114 0.119651
## 7690	904	14.415886	0.014352 0.160720
## 16537	40	8.056221	0.009707 0.104141
## 4765	25	36.258308	0.008667 0.135625
## 5585	68	6.618999	0.015457 0.127298
## 16927	53	6.937702	0.016176 0.067335
## 14157	95	7.182660	0.016454 0.093947
## 4942	150	7.644420	0.019940 0.082979
## 3237	445	2.089968	0.010307 0.171201
## 19944	67	16.715000	0.016357 0.152938
## 17240	141	32.475368	0.012527 0.117221
## 8692	108	13.330171	0.015263 0.083102
## 21632	67	13.373768	0.018928 0.111101
## 12457	83	21.267448	0.015597 0.095821
## 14445	28	37.743111	0.009585 0.082924
## 10652	46	11.976556	0.020462 0.060258
## 21388	36	11.433125	0.018106 0.098003
## 13786	25	55.144997	0.018775 0.085375
## 886	79	11.352674	0.019792 0.093869
## 8574	25	13.944013	0.013425 0.050250
## 19667	98	8.919844	0.018174 0.127455
## 12527	26	9.144403	0.020085 0.049639
## 21253	52	21.011204	0.017552 0.131731
## 18756	113	24.479515	0.012006 0.157328
## 6341	32	16.247044	0.025721 0.011621
## 20051	41	4.671596	0.025917 0.071875
## 1954	25	33.433521	0.014360 0.081500
## 17044	41	12.634173	0.016455 0.073552
## 6691	73	8.454363	0.015308 0.157620
## 1888	148	13.552776	0.018452 0.092187
## 8806	25	15.129631	0.012675 0.076750
## 5467	51	10.063453	0.017098 0.094608
## 16296	91	21.427681	0.015837 0.113221
## 22178	25	9.557076	0.022278 0.078500
## 22470	62	7.277833	0.013545 0.109224
## 13709	58	12.433639	0.012859 0.157166
## 6484	1122	5.342787	0.018240 0.134570
## 2103	495	2.589161	0.014028 0.113434
## 8888	88	10.594729	0.019389 0.150391

## 19871	433	19.133587	0.015789	0.125945
## 18367	25	12.434265	0.013334	0.099250
## 9525	26	13.938888	0.020458	0.114063
## 21580	94	17.852875	0.019158	0.097673
## 12281	45	3.880796	0.008393	0.067847
## 652	25	12.071064	0.021334	0.096625
## 21603	25	21.033859	0.016617	0.089625
## 13030	25	31.922867	0.014317	0.106750
## 2941	76	3.854825	0.016557	0.125370
## 10461	38	11.029285	0.022442	0.070066
## 18937	62	12.047395	0.012118	0.137752
## 18575	397	8.909618	0.013868	0.146544
## 8937	158	24.682329	0.014288	0.114280
## 9905	38	8.667244	0.019657	0.115214
## 18870	58	35.719555	0.024406	0.100162
## 17875	40	14.450083	0.011434	0.079219
## 4379	25	10.688386	0.015957	0.094500
## 890	25	11.613590	0.017082	0.079875
## 20759	25	12.032110	0.015873	0.090250
## 21932	608	7.875022	0.015525	0.115317
## 17884	101	15.193916	0.025421	0.098236
## 11535	43	12.491385	0.008186	0.161119
## 15242	50	16.627136	0.027070	0.103625
## 12436	116	20.992182	0.017621	0.086853
## 20158	43	18.986578	0.014954	0.092733
## 19247	178	15.326279	0.012405	0.139853
## 18248	25	36.466209	0.016651	0.110875
## 5648	57	9.698705	0.014529	0.119134
## 2612	45	8.672538	0.017144	0.074583
## 12505	102	5.761903	0.013592	0.140870
## 8178	65	14.832116	0.012356	0.110433
## 499	152	4.185755	0.014186	0.123787
## 8564	47	5.833230	0.012791	0.109907
## 2347	25	7.524259	0.020065	0.082750
## 8642	30	20.756226	0.017310	0.094896
## 16088	131	8.205921	0.017276	0.085019
## 18058	131	12.826298	0.013174	0.155367
## 1457	27	8.029438	0.016919	0.125116
## 9355	25	2.631423	0.017621	0.085500
## 9036	67	34.543949	0.018540	0.136381
## 18614	27	13.794530	0.003811	0.140856
## 5252	44	17.219059	0.027249	0.086293
## 14334	31	14.753806	0.014629	0.114516
## 12760	164	13.599801	0.019020	0.062938
## 7282	48	16.098688	0.014824	0.099089
## 4335	227	4.045354	0.014514	0.127327
## 10265	25	35.471199	0.022345	0.055125
## 11191	306	14.210307	0.017672	0.174295
## 5874	815	11.228599	0.015552	0.132339
## 15815	32	18.089380	0.010979	0.116699
## 17896	40	8.359640	0.015403	0.134453
## 9622	25	42.221268	0.010685	0.098625
## 20096	28	5.219478	0.018963	0.086049
## 16249	176	7.587924	0.016664	0.070046

## 12907	33	4.889441	0.014125 0.115341
## 3547	99	13.704816	0.018550 0.114646
## 1603	294	4.556797	0.018090 0.115476
## 21662	51	17.712467	0.019162 0.120221
## 18600	159	15.682749	0.009149 0.132370
## 4768	28	39.586864	0.024510 0.068192
## 10291	25	24.279243	0.013055 0.063750
## 12838	38	3.237698	0.015321 0.059046
## 21146	25	24.033325	0.013951 0.155250
## 16933	31	8.089132	0.010338 0.091028
## 90	172	8.478077	0.015351 0.111428
## 13446	36	42.217842	0.019513 0.081944
## 18895	31	25.520947	0.014711 0.099093
## 3403	253	1.794755	0.016379 0.111574
## 13334	55	14.266638	0.014913 0.135284
## 19347	42	22.879490	0.013667 0.151116
## 12625	25	13.059427	0.013190 0.078500
## 13562	31	25.912443	0.018885 0.078226
## 4224	162	1.633433	0.017748 0.092168
## 9237	55	2.066188	0.014771 0.090057
## 17192	95	1.512224	0.003965 0.128454
## 6018	34	2.656486	0.015926 0.139890
## 20291	1342	9.960206	0.016056 0.128868
## 20827	67	35.698040	0.019158 0.135541
## 1824	25	22.302153	0.018139 0.109625
## 14645	81	11.821577	0.018008 0.088657
## 14203	86	5.717119	0.010498 0.102762
## 9483	62	4.394802	0.020631 0.112450
## 9965	27	29.643936	0.014554 0.126389
## 18339	204	2.937654	0.010657 0.093781
## 7933	31	31.197460	0.015135 0.146774
## 17480	48	29.100790	0.021132 0.111784
## 10760	25	11.092743	0.007104 0.126000
## 18508	86	12.671558	0.018955 0.192733
## 214	44	10.733374	0.012155 0.183026
## 19540	469	6.441878	0.016604 0.162340
## 5592	34	46.164917	0.008602 0.128606
## 18525	63	7.097618	0.016703 0.097619
## 9727	56	2.924028	0.020102 0.114509
## 9433	363	9.232501	0.018850 0.059943
## 5941	25	4.316553	0.003374 0.188625
## 8548	25	19.986134	0.025443 0.064500
## 1316	135	1.822026	0.021817 0.095625
## 14067	25	33.564194	0.002422 0.055500
## 10032	25	5.065624	0.012557 0.126000
## 9732	53	10.382208	0.022807 0.085672
## 17905	277	9.848023	0.015732 0.122586
## 21929	506	7.942268	0.017650 0.138161
## 2958	37	5.579842	0.014023 0.098902
## 22357	310	6.581508	0.017816 0.140373
## 5289	25	5.977610	0.014282 0.062625
## 20627	27	23.810143	0.018811 0.124769
## 3223	229	3.572453	0.020137 0.101679
## 7503	41	16.087914	0.019126 0.165930

## 6724	60	27.481274	0.013436	0.095365
## 3972	122	6.176245	0.017321	0.106660
## 18655	25	15.888538	0.016726	0.048000
## 3778	95	11.083621	0.018968	0.104408
## 14616	63	13.702641	0.021296	0.051935
## 9697	25	25.112206	0.017763	0.086500
## 13399	28	12.518003	0.017241	0.168973
## 8803	40	12.093384	0.017871	0.075391
## 627	38	12.474510	0.021086	0.089556
## 5152	25	10.141559	0.008935	0.077500
## 7303	674	4.198728	0.012010	0.137402
## 14327	25	55.200523	0.018185	0.083000
## 21903	60	27.237753	0.012076	0.150781
## 18581	84	9.440239	0.017506	0.132924
## 9202	62	14.841023	0.016926	0.095867
## 19341	39	24.243107	0.013436	0.122436
## 8029	25	13.608955	0.017100	0.106750
## 16313	225	8.999453	0.017290	0.110097
## 8095	100	6.361174	0.018298	0.050406
## 5122	612	4.494030	0.020364	0.144684
## 20285	65	14.754160	0.018090	0.117404
## 8133	25	21.834995	0.016243	0.077000
## 18986	291	17.268902	0.017622	0.119706
## 12267	47	31.608440	0.017653	0.098936
## 7283	30	11.120640	0.012746	0.102813
## 22273	72	9.545271	0.017243	0.082899
## 8553	25	12.098986	0.017640	0.094250
## 7222	31	24.285131	0.010566	0.143548
## 14123	73	24.939762	0.021780	0.076370
## 15494	45	30.136757	0.012665	0.075694
## 2025	80	5.824692	0.019380	0.091758
## 8387	41	9.150066	0.014548	0.105107
## 13420	32	6.452598	0.019078	0.114844
## 19421	82	34.982407	0.019763	0.074466
## 3628	65	15.881973	0.023273	0.095144
## 9729	33	12.993257	0.016162	0.106250
## 1491	63	5.087817	0.012984	0.128423
## 15935	34	29.878304	0.014750	0.087960
## 6064	2634	7.347234	0.018352	0.149831
## 875	34	4.153144	0.016219	0.103860
## 6440	58	10.773797	0.015058	0.166595
## 6193	34	11.042745	0.010964	0.072243
## 14416	248	19.670498	0.014280	0.133405
## 8538	25	9.714647	0.009485	0.151000
## 4995	37	4.731936	0.012806	0.065794
## 4990	131	9.359276	0.018687	0.074117
## 14427	286	9.194358	0.016208	0.107343
## 17809	315	13.554685	0.017626	0.116389
## 10651	347	4.961240	0.018563	0.107565
## 7208	337	11.678516	0.015007	0.147765
## 22396	31	21.910681	0.019190	0.143548
## 17488	51	28.719738	0.022983	0.067831
## 14247	86	12.694848	0.013090	0.091679
## 6882	106	6.574631	0.004247	0.094510

## 8656	39	9.819821	0.011797 0.109295
## 16658	25	32.585831	0.015096 0.042250
## 4217	423	3.237789	0.015671 0.079950
## 14602	106	7.145435	0.016046 0.121787
## 19895	25	49.617355	0.003004 0.101375
## 5811	35	7.511174	0.018693 0.122679
## 13338	497	5.522519	0.015405 0.144523
## 9696	36	17.455605	0.017403 0.140885
## 15386	31	1.589994	0.015794 0.226008
## 7843	25	22.415539	0.016361 0.075000
## 8340	71	4.722466	0.007605 0.117253
## 16936	131	8.455181	0.017763 0.076407
## 10454	29	1.964630	0.019016 0.103879
## 10958	114	4.732246	0.014319 0.145833
## 17928	36	11.972565	0.014170 0.111111
## 10484	131	3.503494	0.019719 0.134995
## 6769	58	6.323581	0.016913 0.108297
## 17414	66	4.164407	0.016890 0.097348
## 12250	26	19.707827	0.021756 0.068630
## 5884	1297	7.772734	0.018416 0.135320
## 12015	40	8.955809	0.008194 0.159609
## 17454	124	4.481647	0.012553 0.107258
## 19665	82	9.083558	0.017163 0.114177
## 16923	149	4.903237	0.014334 0.116799
## 11455	25	18.334278	0.012338 0.182875
## 10245	62	40.665745	0.020033 0.112601
## 7442	65	4.706985	0.007863 0.148125
## 13088	1094	5.704778	0.013319 0.115793
## 17618	39	10.004250	0.008239 0.062180
## 7831	41	9.745388	0.014821 0.123704
## 758	35	11.563655	0.012430 0.121071
## 6785	42	13.040414	0.012911 0.200223
## 18537	42	23.764336	0.017937 0.209449
## 21742	373	8.955596	0.014370 0.108948
## 3274	479	4.391178	0.016886 0.090142
## 15148	79	1.289008	0.018652 0.098615
## 19956	34	23.260147	0.016335 0.139154
## 14110	52	9.391882	0.010164 0.138822
## 13873	25	17.038216	0.018397 0.082125
## 14467	25	24.705894	0.010749 0.031250
## 795	76	8.151015	0.025145 0.093997
## 11623	76	2.960488	0.018716 0.176768
## 15324	74	3.463052	0.024493 0.144257
## 12268	28	2.417385	0.007113 0.108705
## 16000	105	17.827961	0.014876 0.107887
## 14541	28	3.406329	0.000232 0.073772
## 880	45	4.780282	0.021772 0.106458
## 12878	32	14.455595	0.021301 0.112598
## 16982	86	16.940517	0.018119 0.076635
## 22356	534	6.771456	0.017985 0.131812
## 6525	31	15.222303	0.017490 0.087500
## 14573	99	26.792284	0.013859 0.117866
## 7471	41	6.377236	0.020485 0.108537
## 17907	88	6.016018	0.016691 0.136896

## 12155	25	36.155235	0.014990	0.061000
## 6351	25	8.658344	0.011310	0.087250
## 21946	169	12.341233	0.016661	0.127422
## 53	85	7.133958	0.014425	0.115294
## 450	94	1.236437	0.012387	0.066922
## 4893	55	7.800230	0.014376	0.090057
## 19029	34	2.375349	0.015337	0.122978
## 19564	205	5.218634	0.013527	0.081646
## 22129	74	11.452297	0.013847	0.102534
## 9641	32	42.136166	0.018407	0.084473
## 6632	25	31.564035	0.006267	0.057250
## 4533	25	11.683864	0.019405	0.120750
## 11814	26	6.033812	0.020941	0.176442
## 22048	33	22.338631	0.009632	0.110701
## 7661	107	2.672325	0.004457	0.152745
## 9233	116	16.602684	0.013662	0.111746
## 22199	93	5.122504	0.015244	0.192742
## 4093	25	24.492664	0.021947	0.098500
## 15868	261	23.170702	0.015028	0.117349
## 7787	26	3.457527	0.011171	0.084615
## 9608	46	6.057425	0.021350	0.096739
## 3456	31	2.342483	0.014171	0.094355
## 22023	77	30.862247	0.014218	0.136769
## 17104	38	7.237012	0.013630	0.085526
## 3352	51	7.690495	0.016866	0.088297
## 17326	41	20.159048	0.012124	0.078430
## 18989	69	20.105232	0.014529	0.118659
## 22243	42	10.842944	0.010779	0.072098
## 17749	406	7.634378	0.018023	0.147460
## 11710	85	11.147410	0.018051	0.128640
## 20486	54	14.530883	0.017545	0.129745
## 15257	201	22.672676	0.019162	0.142040
## 8601	41	12.435673	0.019353	0.130030
## 1332	62	8.393314	0.022643	0.097581
## 10419	41	2.583753	0.014322	0.073323
## 10316	25	8.102301	0.017186	0.089625
## 5318	56	29.791719	0.008751	0.093583
## 11350	117	7.817772	0.014625	0.112393
## 2400	849	1.334636	0.015670	0.121393
## 18383	34	10.328856	0.010098	0.096691
## 3665	49	4.416786	0.019575	0.074554
## 6287	218	10.038709	0.016852	0.113116
## 17528	235	17.762192	0.019273	0.100811
## 7421	27	21.500252	0.016280	0.081134
## 11167	43	4.095612	0.020968	0.107049
## 6524	25	11.898286	0.001665	0.013500
## 13470	38	22.081926	0.018103	0.132648
## 5661	286	9.661223	0.006713	0.149148
## 9512	35	7.595464	0.022914	0.149196
## 16258	37	4.444431	0.002963	0.051689
## 12215	131	12.102521	0.020883	0.139719
## 18984	135	12.401044	0.016211	0.123032
## 19227	25	24.661247	0.015606	0.133125
## 3468	73	1.994048	0.016442	0.122175

## 19712	71	15.349506	0.019566 0.126188
## 3799	71	4.949066	0.015625 0.113160
## 13924	49	9.355125	0.021352 0.094707
## 14755	29	24.735256	0.007148 0.100862
## 8667	40	33.005096	0.019955 0.114375
## 6017	31	5.203419	0.011995 0.130242
## 19788	60	6.540487	0.010347 0.087135
## 12568	25	12.570795	0.021352 0.056000
## 22109	45	25.375246	0.019067 0.087222
## 2317	25	25.840715	0.009412 0.185000
## 14548	41	6.442525	0.015973 0.101067
## 843	45	8.292908	0.021361 0.059236
## 3340	25	36.848705	0.012897 0.135875
## 2995	163	4.901902	0.017563 0.119555
## 13978	103	8.111307	0.015557 0.133859
## 19816	25	11.011932	0.011227 0.156750
## 15174	69	8.345533	0.014912 0.094112
## 15298	71	8.850221	0.019159 0.108187
## 4924	177	6.379436	0.017258 0.110999
## 14144	85	21.453569	0.018897 0.106177
## 3178	71	16.936375	0.018812 0.087192
## 19604	27	17.177647	0.004844 0.089005
## 18463	432	7.384469	0.017277 0.158247
## 16625	77	7.420917	0.025425 0.074310
## 17894	25	52.060715	0.019585 0.095250
## 9867	67	16.422327	0.022665 0.125746
## 13331	696	7.495676	0.013331 0.173060
## 21273	37	21.414051	0.013742 0.093074
## 2591	443	2.379379	0.015387 0.127025
## 21259	84	22.489477	0.025504 0.180506
## 14965	25	17.365723	0.017180 0.092125
## 10339	50	6.417314	0.016312 0.080500
## 5461	60	3.350003	0.010246 0.058958
## 10226	27	14.816967	0.015205 0.080093
## 8485	41	35.592579	0.016609 0.115854
## 20902	79	3.944592	0.013320 0.107160
## 13206	377	7.492265	0.015057 0.123010
## 5248	39	19.300253	0.009800 0.085817
## 12117	35	20.884365	0.014215 0.190982
## 16416	48	11.678119	0.011689 0.064193
## 5408	180	12.422191	0.019889 0.104931
## 3883	26	5.448169	0.015483 0.116947
## 19720	45	3.820420	0.019435 0.083403
## 14956	147	5.913995	0.017449 0.136841
## 16710	43	5.936403	0.018567 0.075509
## 20321	431	8.477371	0.014236 0.138979
## 3946	55	11.649549	0.022712 0.076534
## 21228	487	14.849298	0.015615 0.100417
## 3580	414	3.665846	0.017900 0.098921
## 1040	56	2.546648	0.014876 0.136440
## 8011	544	14.358305	0.018067 0.163028
## 12213	47	14.487000	0.011246 0.103790
## 20543	583	7.701200	0.014386 0.146473
## 1327	36	22.855761	0.017572 0.099566

## 12946	87	3.454948	0.019597 0.086638
## 16512	175	5.889600	0.015489 0.101286
## 14143	25	58.887386	0.014886 0.128750
## 8801	36	18.516727	0.008113 0.125868
## 2977	88	3.742049	0.011797 0.144496
## 6262	96	8.806632	0.026373 0.102116
## 11057	30	15.946082	0.013539 0.116250
## 14891	30	7.153659	0.020889 0.050937
## 16994	25	7.447078	0.015248 0.042375
## 12600	46	11.837914	0.013005 0.095652
## 11298	57	4.006866	0.014430 0.122423
## 21473	25	16.672728	0.018581 0.092125
## 5639	414	6.393090	0.015472 0.124079
## 19877	342	12.438104	0.015350 0.114163
## 17115	26	29.401571	0.006323 0.126082
## 3131	33	10.609102	0.017523 0.092898
## 12331	111	4.685370	0.019370 0.125535
## 18281	37	17.533760	0.017973 0.104899
## 530	43	16.417467	0.018675 0.069549
## 4548	40	13.320456	0.019556 0.051250
## 7258	55	21.195032	0.021042 0.162841
## 6161	36	2.664757	0.019466 0.089583
## 13973	25	22.074251	0.015501 0.122375
## 8349	25	5.385681	0.007772 0.089000
## 7449	25	26.910698	0.010231 0.078125
## 3102	128	3.866834	0.014987 0.098560
## 10869	27	6.750034	0.011944 0.096875
## 8610	98	16.736956	0.013033 0.100542
## 12466	37	13.848059	0.015217 0.080828
## 15416	25	6.416338	0.019947 0.056250
## 6209	25	5.912700	0.011509 0.077500
## 790	49	1.178738	0.015854 0.105230
## 21189	78	6.457523	0.016221 0.149359
## 2270	53	17.917751	0.017853 0.090094
## 17967	25	24.768112	0.014999 0.140250
## 18309	25	6.258493	0.015926 0.095125
## 585	26	16.834377	0.016550 0.084615
## 20205	47	21.519512	0.014419 0.193484
## 21235	145	12.512304	0.008249 0.084612
## 16663	87	3.172455	0.015764 0.120043
## 3953	25	7.353956	0.019013 0.056500
## 17221	67	9.684964	0.012810 0.113340
## 14376	34	23.333847	0.019338 0.097518
## 7378	25	23.253700	0.016375 0.106750
## 16522	57	3.182578	0.018677 0.102796
## 10717	49	5.443872	0.014438 0.094260
## 10231	25	11.723294	0.010879 0.111875
## 11245	521	13.894435	0.015854 0.138730
## 15511	26	9.375916	0.021587 0.107933
## 15623	30	12.574000	0.020014 0.047083
## 8321	26	3.564504	0.014649 0.068870
## 15527	75	8.204152	0.018718 0.077417
## 3804	37	3.867117	0.013765 0.086149
## 10970	103	8.336943	0.016304 0.146572

## 2472	146	2.293871	0.013035 0.118001
## 19729	25	12.664487	0.016971 0.087875
## 1953	359	2.036919	0.015972 0.114467
## 3358	89	4.000932	0.016440 0.077072
## 15131	25	6.050949	0.020136 0.088625
## 2638	91	8.669150	0.018606 0.088530
## 14498	38	23.514610	0.010259 0.109868
## 13666	25	54.380375	0.019652 0.078125
## 955	25	7.571103	0.022342 0.026625
## 21960	30	54.105663	0.013858 0.125208
## 15220	32	8.628977	0.010035 0.123633
## 744	57	2.384378	0.016719 0.090899
## 17774	25	32.252216	0.010442 0.016125
## 20904	100	5.168577	0.014861 0.121563
## 18627	1844	7.203420	0.016300 0.156270
## 1174	25	8.268646	0.003357 0.198875
## 11752	579	7.472305	0.016533 0.158225
## 2783	78	8.665870	0.016549 0.097997
## 17219	91	9.157222	0.014995 0.109718
## 12173	25	25.877991	0.013435 0.124250
## 8131	32	11.423365	0.014574 0.107520
## 11812	29	3.347011	0.020239 0.132004
## 5672	722	7.312518	0.009657 0.111219
## 12755	176	8.268597	0.017834 0.112465
## 16165	28	4.104351	0.011076 0.084487
## 8092	41	2.257729	0.017919 0.037348
## 256	140	13.390519	0.017719 0.077120
## 15100	31	10.225843	0.025940 0.097984
## 18706	62	6.565446	0.015240 0.112450
## 16117	46	9.155364	0.002091 0.123370
## 13907	34	2.588575	0.018656 0.101195
## 5414	31	16.290415	0.014255 0.092036
## 7549	25	39.284519	0.015802 0.095125
## 4805	25	28.896208	0.017134 0.057125
## 15996	75	1.472646	0.017312 0.132042
## 11573	76	5.087542	0.017264 0.090337
## 12999	25	9.501537	0.019222 0.141000
## 20463	523	13.198667	0.016036 0.138151
## 4100	37	9.084351	0.022519 0.084291
## 395	45	6.499939	0.006867 0.095000
## 11626	25	24.165983	0.014828 0.165375
## 9431	584	12.160477	0.018344 0.082165
## 2135	63	1.971284	0.020462 0.090030
## 13796	31	2.017973	0.019513 0.115121
## 2284	25	28.250389	0.016083 0.078375
## 18769	139	6.832062	0.022594 0.158228
## 7901	79	5.307642	0.016450 0.105815
## 8994	60	5.201133	0.014650 0.113021
## 9384	34	11.316262	0.008626 0.048713
## 20255	45	4.833321	0.009001 0.106875
## 18786	25	23.077469	0.018654 0.128750
## 17442	42	28.488443	0.014738 0.099851
## 12698	25	33.819473	0.012798 0.092000
## 6759	153	14.858060	0.014011 0.094465

## 21706	54	4.892160	0.015587 0.155150
## 20144	25	31.764668	0.018468 0.113500
## 3314	36	6.109986	0.014411 0.116146
## 20251	41	31.150259	0.006643 0.135976
## 18774	25	28.578228	0.016548 0.145500
## 17593	82	11.434594	0.015584 0.101639
## 2615	60	12.362010	0.019781 0.085625
## 19189	50	7.301971	0.017521 0.122437
## 20232	75	6.402490	0.009263 0.099208
## 9094	25	43.430614	0.016793 0.131750
## 17043	26	2.339428	0.018900 0.047476
## 11465	45	9.879362	0.014862 0.153542
## 1484	73	11.573268	0.020088 0.090283
## 2085	98	11.803308	0.020278 0.096237
## 21158	204	9.079390	0.017991 0.128431
## 2469	272	6.913022	0.015985 0.135788
## 16562	64	3.333206	0.014245 0.079687
## 16504	45	5.057012	0.013201 0.053264
## 14457	137	27.059530	0.016092 0.109877
## 6085	53	9.032377	0.007357 0.088561
## 18044	47	6.386966	0.011973 0.091223
## 12176	172	12.146191	0.010460 0.144295
## 1833	25	10.374852	0.010219 0.140125
## 13761	125	6.218665	0.014482 0.119500
## 22197	57	4.094821	0.012580 0.192708
## 22352	36	5.798181	0.020326 0.089583
## 16922	25	15.827396	0.014749 0.086375
## 18949	47	18.027386	0.015377 0.120412
## 1547	39	5.290516	0.015881 0.119231
## 12460	25	32.456615	0.004100 0.105250
## 10788	249	2.516276	0.009839 0.118085
## 5459	30	6.660731	0.010852 0.071042
## 1780	260	1.936018	0.019019 0.118377
## 4854	25	15.028936	0.014151 0.109875
## 11883	35	2.828052	0.024248 0.100536
## 3253	158	2.983468	0.017420 0.092721
## 9858	29	1.485767	0.020473 0.087716
## 3733	27	6.425176	0.018464 0.070718
## 16225	42	21.091618	0.009264 0.092708
## 16001	100	5.172646	0.011824 0.197875
## 5636	599	5.855863	0.016729 0.141084
## 4718	55	21.658728	0.031600 0.046364
## 13270	1947	6.896601	0.016498 0.122378
## 850	33	23.814232	0.019846 0.073106
## 15441	29	1.957054	0.021885 0.099138
## 11698	87	24.085403	0.015404 0.127047
## 21571	126	5.607202	0.014471 0.096925
## 3512	272	11.349949	0.019400 0.101287
## 13824	62	11.270477	0.017703 0.130847
## 2240	49	10.301842	0.013047 0.114987
## 1976	25	23.353846	0.009922 0.117000
## 15269	39	2.700464	0.013336 0.097516
## 16698	112	20.960180	0.022598 0.141183
## 8085	123	11.833344	0.016038 0.129649

## 12322	29	1.678035	0.007110	0.081789
## 17110	395	16.823450	0.016230	0.102635
## 22293	37	2.026953	0.016555	0.089105
## 16521	60	3.345572	0.015320	0.092240
## 1017	58	5.706409	0.018008	0.164655
## 4853	52	6.244520	0.016536	0.102284
## 5511	74	8.193121	0.023614	0.110600
## 19884	139	13.717827	0.016990	0.092491
## 11254	100	10.272106	0.019272	0.145281
## 15362	34	6.630959	0.020694	0.150735
## 9198	508	5.334118	0.012883	0.099908
## 4359	190	3.347690	0.013882	0.112632
## 15750	25	9.834074	0.012380	0.104750
## 20609	66	10.885170	0.019858	0.095691
## 9754	275	2.926875	0.010102	0.136761
## 21684	150	6.980850	0.017524	0.175125
## 13078	958	6.002495	0.015124	0.124563
## 18314	25	13.747367	0.025496	0.099875
## 1238	25	17.524847	0.010262	0.074500
## 21629	47	13.962820	0.021044	0.103125
## 12549	46	8.408887	0.016657	0.069361
## 1427	40	13.374942	0.015658	0.129141
## 3051	98	6.922996	0.022094	0.053221
## 10980	197	10.238357	0.019395	0.130267
## 16890	25	15.863960	0.017112	0.086625
## 8457	93	19.237942	0.017697	0.108938
## 9277	67	33.805447	0.019936	0.087174
## 1440	229	4.945462	0.020104	0.107123
## 7588	185	12.780370	0.020660	0.152804
## 17963	261	13.746345	0.016543	0.099174
## 14957	54	3.449388	0.014268	0.105671
## 12147	25	35.584972	0.015692	0.116375
## 19258	608	4.537893	0.019099	0.157149
## 1534	514	2.850920	0.017423	0.102128
## 3994	115	3.170423	0.018368	0.098804
## 155	94	18.711906	0.016361	0.114428
## 6062	1853	7.985018	0.017447	0.138319
## 15228	29	1.543303	0.014205	0.114009
## 7014	499	12.311526	0.015626	0.119815
## 966	25	27.274172	0.022796	0.056250
## 15440	25	7.997731	0.020788	0.090875
## 5698	1620	7.363986	0.012595	0.117647
## 12364	48	17.156122	0.010679	0.130990
## 11339	41	8.925398	0.014009	0.086433
## 6984	66	6.689898	0.011059	0.079640
## 8808	29	1.756610	0.008755	0.092780
## 16613	44	16.953255	0.003576	0.100000
## 21713	47	20.969629	0.014407	0.100000
## 15662	39	2.441650	0.006812	0.099199
## 20744	28	14.314252	0.017526	0.104241
## 20393	1022	9.657836	0.015929	0.147013
## 13036	25	22.679655	0.014396	0.023375
## 13055	100	14.979422	0.016833	0.131562
## 15605	45	7.109677	0.020604	0.068403

## 9752	206	15.154412	0.010319	0.169660
## 996	2083	8.850655	0.015571	0.118212
## 15019	25	2.060225	0.017050	0.077750
## 20111	27	23.564425	0.018179	0.108449
## 13515	43	20.814758	0.010120	0.103706
## 1039	88	2.650429	0.017676	0.112429
## 9342	118	8.857518	0.020484	0.113321
## 4444	29	2.969214	0.015594	0.077802
## 20184	63	13.407149	0.021600	0.151389
## 11353	29	2.144973	0.015871	0.106681
## 16753	29	17.949869	0.009819	0.113793
## 16637	135	6.525176	0.016806	0.110972
## 10163	26	6.032877	0.018069	0.110817
## 13897	58	19.351028	0.007904	0.097306
## 7181	33	8.044065	0.019423	0.073864
## 14502	100	4.724447	0.008361	0.156781
## 19986	246	4.727852	0.016289	0.100356
## 12738	25	25.926769	0.012485	0.076125
## 4084	25	8.465506	0.016332	0.085750
## 9508	44	13.999029	0.014185	0.136719
## 2253	32	11.825905	0.016057	0.092578
## 8228	25	30.767595	0.019362	0.083625
## 16214	91	21.589762	0.009556	0.039354
## 12000	59	4.631976	0.014973	0.108157
## 16288	25	13.680758	0.018415	0.048500
## 22279	49	2.307255	0.015938	0.095026
## 895	174	3.459840	0.021786	0.097719
## 12388	48	2.111744	0.019943	0.076628
## 6505	554	7.866476	0.018343	0.113143
## 3510	97	10.882418	0.019516	0.083698
## 8826	25	7.684067	0.009974	0.080125
## 18899	25	54.613754	0.015856	0.108875
## 10875	25	21.472532	0.009488	0.144000
## 18064	25	56.190777	0.013751	0.068750
## 20564	41	2.543596	0.022772	0.077591
## 8221	25	20.570183	0.018351	0.155875
## 7519	46	4.175500	0.019812	0.090625
## 15338	25	8.871804	0.010634	0.080500
## 19118	36	41.804825	0.018532	0.059896
## 14561	65	8.057273	0.024101	0.122548
## 6114	40	2.417311	0.015255	0.055625
## 15285	33	14.108049	0.018197	0.108239
## 2609	74	12.428800	0.020906	0.073902
## 9105	25	13.149112	0.017476	0.103250
## 21464	41	20.940460	0.014076	0.113491
## 2356	25	7.028645	0.020076	0.068375
## 1229	84	11.657460	0.017285	0.104948
## 14285	116	15.146576	0.015815	0.112285
## 1521	219	2.682466	0.015831	0.101727
## 14612	68	9.701167	0.017148	0.113925
## 19881	190	12.251976	0.013823	0.147270
## 452	79	0.847326	0.018352	0.085364
## 8685	45	15.284009	0.021259	0.098542
## 5416	71	6.176681	0.016321	0.124472

## 21945	1270	6.833055	0.015975	0.120426
## 16427	30	23.866671	0.009374	0.205000
## 11576	29	2.392186	0.011038	0.082220
## 5307	26	12.598983	0.021694	0.104447
## 14783	32	9.619077	0.016965	0.050684
## 11893	25	7.132449	0.008626	0.114875
## 15232	32	2.749622	0.011943	0.107617
## 6267	109	7.946017	0.024452	0.122018
## 6591	346	3.473726	0.016481	0.107984
## 10635	50	9.579777	0.020205	0.102563
## 8777	26	2.322660	0.011287	0.063702
## 11813	46	1.332301	0.021484	0.098438
## 11128	1063	7.522635	0.018412	0.162976
## 9524	25	38.615475	0.018636	0.128500
## 20922	94	19.443727	0.018807	0.086968
## 13878	25	62.406231	0.017535	0.092750
## 5376	89	14.344235	0.010793	0.161166
## 8363	34	9.604063	0.005770	0.072978
## 14883	164	12.403837	0.020010	0.073037
## 18673	25	36.369663	0.014264	0.058875
## 9758	33	6.407088	0.012855	0.118750
## 5914	91	18.281614	0.019663	0.076854
## 5124	727	6.126961	0.019992	0.153228
## 8879	140	5.017267	0.015488	0.142388
## 2738	26	15.912602	0.014982	0.106370
## 5569	3169	5.205136	0.016522	0.116706
## 21502	92	9.636269	0.014888	0.143784
## 14782	25	9.840199	0.015504	0.055250
## 899	307	2.900951	0.016442	0.130354
## 5131	108	14.297900	0.008364	0.081800
## 5849	2039	7.103109	0.017272	0.132795
## 16931	65	8.378516	0.014324	0.076010
## 12328	53	7.979032	0.016596	0.090566
## 13921	104	9.622687	0.021189	0.089453
## 9596	55	17.404945	0.028422	0.083807
## 8873	414	7.173550	0.014871	0.121294
## 368	33	0.879597	0.014090	0.091761
## 164	35	36.118362	0.013487	0.095446
## 2373	80	2.924543	0.017877	0.081992
## 17764	254	8.842983	0.017582	0.125640
## 10120	59	4.867616	0.017718	0.104502
## 11021	25	16.583973	0.002967	0.130625
## 1034	25	16.913572	0.015443	0.132250
## 13625	26	7.693224	0.018705	0.128726
## 280	25	20.970381	0.019834	0.049500
## 325	36	11.529056	0.021915	0.139063
## 13949	34	22.513195	0.012098	0.143290
## 22033	48	2.801470	0.009218	0.123828
## 16097	44	31.686171	0.013134	0.086009
## 7925	25	22.659721	0.011803	0.132375
## 16244	149	5.205726	0.016158	0.117156
## 21678	25	9.799463	0.016920	0.116875
## 7897	116	12.259263	0.014535	0.100835
## 5603	70	9.828030	0.014639	0.097902

## 12315	25	8.223545	0.016410	0.066000
## 12118	25	29.147362	0.022736	0.112750
## 4940	25	18.643238	0.015581	0.070250
## 13392	41	16.234650	0.015960	0.156936
## 20338	79	7.383641	0.015203	0.170649
## 17265	200	16.024464	0.010091	0.077766
## 2077	69	16.975883	0.022394	0.062545
## 5945	35	11.448059	0.004755	0.167411
## 12319	45	10.019682	0.016566	0.071944
## 10816	43	6.998490	0.013645	0.146003
## 10854	26	5.798235	0.017413	0.070192
## 17333	26	5.210093	0.022053	0.071274
## 22372	622	17.626097	0.015619	0.162334
## 13963	25	24.180296	0.017414	0.111875
## 20704	198	17.801058	0.025473	0.152699
## 20125	44	13.948597	0.017294	0.116832
## 1364	113	9.894102	0.019321	0.102157
## 1867	45	4.658018	0.014567	0.108681
## 22282	135	7.188374	0.011928	0.108264
## 6884	497	13.588577	0.010803	0.145316
## 15693	51	14.758279	0.011577	0.080637
## 15237	32	8.947393	0.017719	0.077539
## 16139	25	31.247004	0.016345	0.085875
## 33	95	14.056569	0.017002	0.097599
## 20210	265	10.620824	0.014998	0.153750
## 22335	26	17.114542	0.020980	0.074399
## 14004	385	7.583200	0.013907	0.126899
## 21298	25	19.137768	0.003970	0.073625
## 22168	47	5.562901	0.016998	0.096011
## 16433	60	13.712980	0.020402	0.114167
## 18416	43	6.896672	0.015613	0.133285
## 19171	41	16.085880	0.010684	0.122637
## 4388	25	1.104946	0.019833	0.093375
## 2797	515	13.309629	0.016717	0.105291
## 3638	139	6.463741	0.017625	0.102316
## 8121	88	6.003913	0.015279	0.097834
## 467	94	21.286266	0.013249	0.055219
## 4096	31	8.878480	0.016020	0.094355
## 2933	533	2.926154	0.014819	0.121136
## 20879	31	11.563045	0.017705	0.116734
## 2097	626	2.651912	0.016825	0.107293
## 11748	294	7.151950	0.017228	0.158100
## 17785	25	17.774593	0.015249	0.093125
## 19695	80	5.736371	0.011864	0.124922
## 21522	33	22.756763	0.016087	0.120265
## 3983	655	1.897070	0.019159	0.105654
## 6451	26	18.944294	0.018430	0.103966
## 1529	335	2.831182	0.017258	0.096735
## 4624	64	6.921009	0.017857	0.115674
## 634	89	4.856548	0.017282	0.108427
## 11263	52	5.040489	0.018642	0.165745
## 1002	133	5.787074	0.017075	0.104464
## 1239	118	4.101562	0.016563	0.128178
## 1473	136	8.432207	0.020018	0.084053

## 6692	25	23.054054	0.014595 0.133500
## 18207	100	14.701690	0.008618 0.109187
## 15604	73	18.414907	0.017126 0.086387
## 20876	36	7.793259	0.018353 0.111458
## 21542	55	16.180525	0.014305 0.094432
## 14949	299	5.382425	0.015416 0.123579
## 9140	60	19.122904	0.014383 0.079375
## 945	25	43.307484	0.023127 0.065375
## 3219	25	23.260082	0.012550 0.100375
## 19432	55	6.908402	0.018568 0.133580
## 3518	38	11.704338	0.012792 0.105181
## 553	34	7.021688	0.015199 0.079412
## 5529	26	29.404533	0.006920 0.056250
## 18275	91	8.981629	0.017636 0.153434
## 15182	132	8.689346	0.021079 0.063684
## 4826	113	6.860193	0.017741 0.099060
## 4361	165	13.530014	0.014108 0.120682
## 3193	61	12.872516	0.012238 0.105072
## 13758	136	7.428696	0.013698 0.132123
## 19051	67	12.725318	0.015407 0.139226
## 10550	84	2.336440	0.017424 0.085454
## 22490	25	10.906240	0.023047 0.069250
## 16035	29	11.649748	0.016589 0.145259
## 8385	51	3.878378	0.016566 0.102267
## 1306	32	14.799678	0.020262 0.078125
## 14931	67	16.865173	0.016653 0.126726
## 11552	34	8.377831	0.013816 0.094210
## 18063	98	6.578412	0.019280 0.105899
## 15630	36	14.446004	0.009204 0.073958
## 17953	95	14.498995	0.015019 0.121118
## 18822	50	8.317890	0.013075 0.102000
## 4541	113	7.045617	0.016687 0.076770
## 10506	41	8.688487	0.009485 0.043902
## 6679	178	25.756937	0.016785 0.150053
## 6008	25	4.061024	0.013663 0.065000
## 13080	25	28.574455	0.014927 0.083625
## 16434	73	10.540754	0.021656 0.132577
## 9918	92	5.324457	0.021930 0.114062
## 16639	29	1.643413	0.019623 0.103664
## 241	85	15.026126	0.016345 0.126103
## 17034	37	4.891643	0.004401 0.070777
## 9807	139	13.346219	0.013994 0.104631
## 16634	25	8.962443	0.019664 0.059375
## 2751	133	19.674873	0.019221 0.097086
## 12327	25	9.013159	0.011927 0.095250
## 17329	25	9.127002	0.022160 0.092000
## 20981	67	16.566715	0.013652 0.156810
## 4090	28	4.651912	0.019266 0.096094
## 12312	29	2.483416	0.016132 0.044720
## 11680	66	4.533443	0.010550 0.130634
## 3958	32	7.619823	0.019911 0.113672
## 6605	72	8.965448	0.021547 0.115668
## 19035	38	2.815413	0.018856 0.095066
## 14072	25	29.829048	0.013279 0.078000

## 13011	109	3.306499	0.017673 0.123997
## 12765	65	4.660220	0.017009 0.076202
## 10085	606	9.054702	0.017810 0.171782
## 13805	28	5.180055	0.020904 0.072433
## 815	720	2.965179	0.013622 0.127088
## 6566	40	8.687078	0.009777 0.059609
## 14339	46	2.556524	0.018105 0.082269
## 13299	1236	7.323225	0.017204 0.137573
## 21402	51	17.721786	0.022827 0.116115
## 993	116	3.107487	0.013806 0.137311
## 8082	970	15.654114	0.016435 0.159024
## 21442	134	16.533655	0.018002 0.158909
## 7227	39	12.005478	0.008680 0.136619
## 7685	254	15.241873	0.018391 0.104097
## 329	47	18.296328	0.021336 0.111436
## 830	331	9.123239	0.021081 0.081571
## 19775	58	20.369749	0.014329 0.084590
## 4689	96	16.302217	0.017370 0.076009
## 15627	60	4.200527	0.010400 0.072500
## 2556	339	5.802100	0.016990 0.110592
## 12274	117	5.122715	0.012512 0.084722
## 4612	25	28.714973	0.011480 0.102000
## 21027	99	13.465257	0.019269 0.090657
## 10148	71	19.674557	0.017355 0.103785
## 20693	25	49.469730	0.016169 0.125250
## 5728	124	3.755118	0.016452 0.085232
## 18461	47	27.349144	0.009353 0.139960
## 5156	30	12.463446	0.005663 0.126667
## 12866	49	20.172121	0.020298 0.101084
## 422	38	9.205036	0.007567 0.090954
## 5068	33	3.649645	0.014628 0.051894
## 5259	31	5.190626	0.021513 0.089012
## 7454	27	11.943679	0.013069 0.099074
## 1591	303	3.765820	0.013598 0.115274
## 8947	49	15.648783	0.018094 0.103125
## 11457	25	30.799988	0.013274 0.178000
## 10	116	6.325819	0.015549 0.122683
## 12383	80	6.935795	0.021940 0.125117
## 18376	54	5.387309	0.011188 0.072049
## 3515	110	14.824852	0.021653 0.080625
## 1992	104	3.414257	0.017610 0.130258
## 17733	38	18.061956	0.016772 0.091530
## 12540	186	6.238193	0.015919 0.154452
## 17218	275	8.130127	0.016912 0.103159
## 20336	301	6.474103	0.014255 0.136939
## 18579	81	11.062538	0.009589 0.113812
## 13456	82	34.614334	0.020240 0.117835
## 1638	142	3.703524	0.010695 0.139019
## 19299	25	21.071705	0.010759 0.063000
## 2774	565	4.414299	0.015155 0.115216
## 6890	546	9.756865	0.016810 0.144769
## 22408	26	4.814341	0.008295 0.094471
## 13273	451	9.459786	0.017724 0.134611
## 5545	96	15.035428	0.021595 0.101563

## 10783	27	15.634395	0.014511 0.129977
## 6563	44	7.874672	0.015442 0.064276
## 16450	45	2.570208	0.012041 0.139653
## 10186	25	23.064560	0.019633 0.127500
## 16137	25	25.660908	0.009297 0.132625
## 8274	25	4.025736	0.005475 0.084625
## 5037	25	36.969803	0.014198 0.116250
## 18481	25	13.256200	0.008604 0.126000
## 4824	60	4.469745	0.011699 0.045937
## 16460	65	8.884859	0.020474 0.121731
## 2856	25	9.068545	0.015555 0.090500
## 21591	33	20.057043	0.019077 0.071875
## 5793	27	24.209200	0.015683 0.153935
## 16311	77	13.321930	0.015625 0.095211
## 9398	124	10.348627	0.011711 0.116331
## 1215	134	2.709640	0.020087 0.093820
## 7653	94	8.240462	0.014452 0.088630
## 12774	50	14.357013	0.019046 0.057375
## 10445	25	25.356375	0.017342 0.195125
## 19410	37	12.762755	0.021645 0.079392
## 17434	467	15.592318	0.011251 0.129102
## 16997	43	5.656100	0.008385 0.103343
## 10138	684	9.958501	0.017005 0.108799
## 6419	233	7.339015	0.008063 0.105861
## 15302	137	3.828024	0.015633 0.122719
## 2316	39	8.238368	0.015441 0.168109
## 6457	32	27.197094	0.011428 0.099609
## 8552	37	7.337422	0.021822 0.128378
## 13945	41	16.133747	0.016923 0.174390
## 3895	182	3.969839	0.019513 0.091312
## 962	31	10.668238	0.012666 0.088004
## 3227	315	2.341576	0.017333 0.111349
## 20805	99	13.460171	0.019951 0.085827
## 18843	25	39.963638	0.018748 0.143000
## 8889	44	18.561302	0.011118 0.129332
## 10755	25	19.209574	0.001156 0.229000
## 1263	83	2.817437	0.013607 0.123268
## 21611	51	7.871376	0.018415 0.085110
## 20910	292	18.552414	0.016122 0.120206
## 22475	65	8.951512	0.028771 0.096106
## 20857	29	15.097119	0.018608 0.102371
## 12359	650	8.102247	0.014629 0.135572
## 10022	427	10.149192	0.015421 0.134748
## 6687	48	2.390281	0.012836 0.138607
## 6198	41	15.913126	0.000945 0.073399
## 13658	36	41.613834	0.007106 0.084983
## 16958	34	10.199924	0.021150 0.063511
## 4592	131	9.536392	0.017956 0.066269
## 5909	343	6.710134	0.015583 0.126357
## 19449	67	13.015466	0.017817 0.114459
## 21318	65	23.534449	0.014455 0.114038
## 18556	644	12.034675	0.016092 0.149918
## 11118	2012	6.038170	0.015221 0.138752
## 10089	34	33.486897	0.013137 0.128493

## 17729	236	4.734709	0.016581 0.135262
## 8435	55	4.696590	0.017630 0.146136
## 9078	41	15.687905	0.021298 0.091082
## 13023	47	21.383881	0.007046 0.070745
## 8327	56	11.073968	0.015478 0.102511
## 929	236	1.649570	0.017942 0.076854
## 1359	217	3.400731	0.017711 0.087558
## 3984	299	1.784976	0.019151 0.107912
## 14201	25	28.485664	0.010016 0.102000
## 16323	25	33.394047	0.005621 0.065250
## 19894	27	14.447602	0.015611 0.092477
## 16620	113	2.181398	0.028760 0.087666
## 11355	25	15.607794	0.014146 0.063875
## 7225	92	6.240644	0.010143 0.136685
## 5940	31	12.704064	0.007125 0.109778
## 18591	40	10.135067	0.016767 0.128906
## 12601	53	7.380029	0.018932 0.099175
## 5004	43	12.512948	0.012441 0.103852
## 16043	40	11.451254	0.014741 0.123984
## 20531	548	8.136359	0.014389 0.133679
## 13395	29	1.507684	0.014946 0.138685
## 3533	29	4.462173	0.025166 0.027371
## 12416	54	14.764894	0.012888 0.092882
## 1160	36	13.701547	0.016278 0.130122
## 10284	50	3.893858	0.015554 0.070062
## 3785	62	2.871584	0.019307 0.099597
## 348	52	7.783335	0.010648 0.103846
## 2139	81	3.464963	0.019674 0.092438
## 6079	284	6.828956	0.019157 0.118409
## 4833	46	10.183418	0.013711 0.073234
## 21685	134	8.188070	0.018540 0.098437
## 9033	25	55.092133	0.020672 0.129250
## 10981	115	14.967494	0.012318 0.146685
## 7111	80	5.551554	0.020114 0.099922
## 19418	65	28.439192	0.020299 0.079038
## 5317	35	41.631977	0.025855 0.068304
## 1622	350	3.164663	0.012880 0.151259
## 754	43	11.918936	0.015297 0.131686
## 17926	37	17.752684	0.011019 0.131166
## 13360	26	16.301220	0.018405 0.082572
## 1865	223	5.041130	0.018166 0.110188
## 7257	28	21.244097	0.021865 0.156138
## 9715	51	18.081244	0.021649 0.107292
## 22059	25	20.773968	0.020603 0.087375
## 21865	87	3.010382	0.025135 0.099856
## 18647	124	4.317623	0.013953 0.132813
## 19022	25	20.976257	0.015898 0.095625
## 3272	108	3.944373	0.005940 0.080787
## 17243	25	31.444731	0.010012 0.106625
## 19661	130	9.241641	0.015587 0.117572
## 19395	65	23.526863	0.014465 0.120289
## 8902	216	8.038556	0.016444 0.146962
## 18323	25	5.707755	0.012954 0.078625
## 14827	44	4.390535	0.017817 0.188068

## 965	38	8.490978	0.019485 0.090214
## 9625	140	6.730936	0.017212 0.100737
## 3079	48	0.916756	0.017975 0.080534
## 19084	60	9.170231	0.019332 0.120000
## 15445	105	9.165619	0.020907 0.079583
## 13177	36	18.503859	0.022439 0.091233
## 19331	36	17.108067	0.013650 0.121788
## 3391	114	1.960692	0.020410 0.118695
## 5785	48	7.414904	0.021521 0.156055
## 13152	66	11.015555	0.020468 0.117093
## 4763	35	18.772943	0.013227 0.137411
## 2519	90	3.658545	0.018389 0.095764
## 12694	36	17.522793	0.015981 0.073003
## 16709	31	10.145142	0.019993 0.070665
## 12953	25	7.741745	0.012673 0.075000
## 1858	136	8.467500	0.018682 0.092463
## 14056	194	11.178478	0.015580 0.114610
## 10034	322	7.830832	0.014858 0.140120
## 4020	332	4.649403	0.019556 0.088535
## 13000	36	12.251935	0.020582 0.161198
## 22272	40	6.118272	0.017893 0.075469
## 429	54	6.560200	0.011702 0.120370
## 18602	35	22.939070	0.004769 0.129286
## 6889	59	17.302114	0.011044 0.131462
## 5951	211	9.425882	0.011392 0.086063
## 7420	32	19.361980	0.018713 0.081152
## 1344	275	3.431252	0.013172 0.165523
## 8030	25	13.171355	0.008287 0.173000
## 22433	97	8.296747	0.017928 0.130928
## 18733	47	18.098932	0.017575 0.123471
## 7341	80	5.578600	0.007583 0.108789
## 12676	39	17.162252	0.017526 0.042869
## 5449	44	7.816250	0.011985 0.114702
## 7861	49	8.678665	0.024199 0.096939
## 21606	25	57.918476	0.017178 0.067000
## 10615	25	12.420524	0.028590 0.063875
## 14803	104	15.173043	0.015557 0.098197
## 18788	25	28.460670	0.022415 0.091125
## 4558	55	15.808622	0.015862 0.070852
## 10552	30	10.993022	0.014561 0.078854
## 22175	39	5.864085	0.015310 0.087019
## 11896	37	2.965118	0.016530 0.082686
## 15951	30	6.605669	0.015969 0.077396
## 18341	95	2.421854	0.014911 0.136480
## 2524	46	6.335805	0.018722 0.084443
## 17181	25	12.086423	0.021162 0.092875
## 5524	180	6.078683	0.013698 0.092187
## 15559	55	3.339552	0.022753 0.066420
## 18642	48	21.944281	0.016888 0.120964
## 13979	129	11.040816	0.016870 0.126332
## 19767	25	36.198719	0.016114 0.068500
## 17019	79	1.906842	0.011325 0.122706
## 2059	25	28.384905	0.013822 0.077125
## 11043	43	4.161370	0.017610 0.121003

## 19224	29	1.486929	0.017407 0.128017
## 13204	59	29.847982	0.025316 0.108104
## 3183	25	19.437008	0.017786 0.084625
## 5887	1332	8.330706	0.020603 0.126370
## 20331	320	7.333636	0.013810 0.156289
## 18514	27	18.575924	0.011873 0.119329
## 12714	47	5.835650	0.017261 0.095612
## 6392	170	3.840712	0.012377 0.128162
## 5184	25	14.603621	0.022132 0.103250
## 3927	50	11.517080	0.019123 0.098500
## 10964	67	9.609932	0.015237 0.101539
## 2343	159	3.578463	0.025707 0.102869
## 13042	27	24.938034	0.022599 0.080093
## 20911	33	13.127622	0.014326 0.105303
## 3596	216	3.286585	0.016563 0.097049
## 10936	25	21.262966	0.013107 0.085250
## 14631	56	18.520079	0.009092 0.125670
## 15138	94	3.374653	0.019083 0.096310
## 12969	29	1.572404	0.017098 0.106681
## 3961	30	25.027609	0.023128 0.057083
## 9189	45	13.887241	0.014451 0.117500
## 12799	150	7.035458	0.018582 0.080938
## 11364	64	8.167686	0.013322 0.049268
## 17345	25	8.716319	0.015984 0.055375
## 14361	27	23.383093	0.016310 0.132870
## 17515	81	7.801989	0.014237 0.056443
## 4133	130	9.288763	0.020389 0.092524
## 7071	217	6.934180	0.011750 0.177218
## 19742	39	21.216064	0.011445 0.101202
## 1835	44	16.972574	0.014749 0.152060
## 18211	102	14.592145	0.015057 0.112776
## 1909	30	12.618149	0.016245 0.081354
## 274	61	6.677594	0.021661 0.080994
## 2000	411	3.599380	0.013452 0.130163
## 11543	228	3.578180	0.012113 0.176453
## 7416	103	5.284582	0.013961 0.095085
## 1885	231	3.027834	0.020199 0.098431
## 7736	40	30.428196	0.018041 0.118359
## 2470	548	3.339846	0.014988 0.128826
## 13491	594	5.001196	0.019760 0.121149
## 1724	422	2.796735	0.021784 0.095875
## 6695	48	3.736749	0.017083 0.154622
## 8027	66	20.204769	0.018538 0.119318
## 13096	114	13.085168	0.017476 0.100164
## 14750	37	3.008355	0.014635 0.113091
## 2194	89	13.540331	0.018433 0.093961
## 5304	109	5.550302	0.023751 0.109948
## 21859	27	12.513995	0.024641 0.070602
## 8405	44	13.547253	0.018041 0.080540
## 2734	25	32.469284	0.012180 0.100625
## 19419	25	55.192013	0.017756 0.053500
## 17163	25	32.282719	0.017476 0.093250
## 8106	45	4.141999	0.014583 0.114931
## 8584	107	3.551846	0.007530 0.116005

## 5970	68	7.523536	0.008276 0.140763
## 1652	278	4.855492	0.013932 0.126787
## 14366	25	9.665624	0.015280 0.097000
## 536	26	4.941529	0.012838 0.053125
## 3263	298	5.915454	0.018838 0.084480
## 18520	83	27.529074	0.016181 0.080158
## 13749	29	12.872625	0.013704 0.109052
## 9671	66	10.981998	0.018312 0.133617
## 8618	169	15.352662	0.016978 0.145192
## 14010	391	7.068321	0.011364 0.166121
## 8471	211	15.883416	0.017094 0.111537
## 1993	192	3.388304	0.014421 0.118685
## 105	43	8.322388	0.013994 0.141933
## 18500	32	17.764090	0.019565 0.105859
## 11153	25	37.731407	0.020149 0.143250
## 7104	81	9.064411	0.013880 0.091744
## 14230	163	14.233267	0.011351 0.116162
## 1805	922	2.561936	0.014715 0.116727
## 12507	148	7.792871	0.018452 0.074261
## 95	25	8.726148	0.009019 0.103750
## 14861	25	16.164251	0.014317 0.070875
## 7780	118	3.528507	0.014401 0.117744
## 5834	1195	7.193443	0.017586 0.129346
## 11730	47	29.145094	0.010772 0.144149
## 19592	164	10.339876	0.019108 0.066806
## 12869	203	20.053427	0.019539 0.102078
## 16821	55	13.511337	0.014579 0.111761
## 8835	30	10.447394	0.011485 0.090417
## 1139	425	3.343814	0.015651 0.128360
## 10023	1968	7.835553	0.017748 0.155672
## 4398	25	20.810808	0.009594 0.248375
## 8894	103	8.774848	0.014258 0.131311
## 10920	71	4.337528	0.008220 0.190053
## 14985	159	16.206182	0.018595 0.140232
## 9714	26	7.670461	0.019254 0.127284
## 512	42	8.521474	0.023032 0.108780
## 14505	329	7.850172	0.011825 0.098651
## 7033	630	11.044983	0.013099 0.209469
## 11886	25	7.900750	0.003566 0.064625
## 21849	25	21.171028	0.024089 0.082375
## 9859	73	5.681849	0.024005 0.098245
## 5634	178	10.633232	0.020437 0.144926
## 6067	301	7.187335	0.021692 0.114981
## 4669	55	17.737146	0.015086 0.090568
## 3509	59	22.193449	0.017915 0.065042
## 16544	45	12.725791	0.021017 0.041111
## 10641	109	16.247967	0.020122 0.087443
## 2674	191	3.963738	0.013152 0.083753
## 22204	162	6.036326	0.015386 0.162153
## 17964	39	8.388164	0.017289 0.095353
## 20322	44	17.219265	0.015482 0.116335
## 1198	53	6.283850	0.020856 0.104540
## 18884	25	49.882954	0.014615 0.061375
## 14641	25	31.175886	0.014841 0.089125

## 5104	76	5.234738	0.018654 0.052179
## 4497	33	5.054643	0.013448 0.073011
## 10037	334	7.342754	0.017023 0.133898
## 1589	307	3.581611	0.014021 0.108652
## 7039	25	45.541328	0.007863 0.201000
## 11993	34	15.515517	0.012271 0.089062
## 366	29	0.800934	0.017127 0.087285
## 15449	25	8.310563	0.020103 0.079000
## 8531	25	9.907705	0.012529 0.112000
## 15931	79	28.041151	0.015164 0.099604
## 21478	290	8.133454	0.016026 0.131013
## 20680	25	43.666126	0.017067 0.130000
## 19269	247	8.841776	0.016253 0.101771
## 13013	320	6.246596	0.015073 0.126172
## 16513	71	8.634029	0.010439 0.092518
## 18695	46	2.679441	0.014543 0.101155
## 16624	41	7.003754	0.027086 0.051220
## 11564	36	26.083874	0.016495 0.089410
## 22454	25	27.982090	0.017774 0.144625
## 2124	65	3.275565	0.010952 0.138894
## 10659	30	8.583480	0.013616 0.070521
## 9386	25	23.835466	0.011722 0.060750
## 431	25	11.049686	0.010508 0.112375
## 2389	37	12.613364	0.015378 0.101774
## 1036	67	1.769382	0.017178 0.134188
## 10812	65	14.278579	0.010783 0.114615
## 14792	28	6.616481	0.016616 0.109152
## 4064	38	29.079920	0.016223 0.076398
## 6177	29	19.323610	0.015982 0.094181
## 14501	230	6.107573	0.012523 0.127718
## 7882	62	8.008023	0.018087 0.113357
## 7885	25	34.268600	0.016563 0.146875
## 7538	29	17.551123	0.019032 0.099785
## 6422	38	16.151121	0.012781 0.076069
## 20056	25	62.669258	0.015128 0.080750
## 18750	42	27.813936	0.019447 0.091667
## 19923	66	10.922981	0.016900 0.088163
## 16874	81	12.848018	0.012393 0.073688
## 8412	36	14.557194	0.016694 0.087413
## 22387	231	17.286613	0.013674 0.178369
## 22250	109	10.081542	0.016011 0.073423
## 15213	29	8.308963	0.018100 0.095690
## 12806	95	13.519052	0.015927 0.082007
## 2862	136	8.395779	0.016615 0.102114
## 16458	35	7.338018	0.007717 0.107946
## 8903	25	25.466135	0.010011 0.117000
## 2852	34	29.480295	0.016787 0.086397
## 20885	25	44.446957	0.018069 0.113750
## 8600	55	3.887869	0.022427 0.084489
## 1088	34	30.302633	0.018565 0.091176
## 5659	83	13.752601	0.009043 0.081890
## 2675	554	1.269242	0.015340 0.101890
## 12338	368	7.398934	0.020595 0.133186
## 2925	707	2.005008	0.015310 0.121358

## 19938	25	23.795053	0.017485 0.121500
## 3783	25	10.577689	0.021266 0.108500
## 2812	63	3.803518	0.015382 0.116171
## 18157	28	6.448586	0.016469 0.105134
## 4793	64	11.051512	0.017487 0.104736
## 20665	47	19.675196	0.009927 0.126662
## 16867	148	6.870413	0.016683 0.112310
## 17692	28	25.158596	0.020357 0.079911
## 17187	35	8.156732	0.013874 0.126964
## 19348	40	25.769604	0.020013 0.170547
## 15473	65	5.706241	0.011877 0.087115
## 14130	37	12.738214	0.019547 0.084037
## 21569	122	6.355363	0.012386 0.085451
## 299	57	9.383692	0.022658 0.108443
## 15599	29	16.336571	0.017185 0.066810
## 11501	105	17.581928	0.016127 0.071816
## 7799	99	4.049572	0.015234 0.123516
## 557	37	11.439535	0.008379 0.080321
## 20818	25	37.207291	0.015701 0.081375
## 12049	35	16.690247	0.012251 0.098036
## 10695	228	3.686900	0.011033 0.122793
## 8285	27	6.072037	0.015020 0.099653
## 19907	25	54.520409	0.014950 0.085875
## 21512	54	17.299747	0.025879 0.142998
## 8884	87	9.819140	0.018225 0.148060
## 5656	73	14.745224	0.010640 0.095976
## 19453	27	24.724714	0.016710 0.116204
## 10759	37	7.023324	0.004700 0.171622
## 13803	59	19.189137	0.017916 0.096504
## 17762	280	10.328818	0.016279 0.128170
## 5777	32	23.814890	0.020089 0.102344
## 19678	37	23.104155	0.017315 0.070101
## 16636	117	7.932634	0.019766 0.088515
## 13138	82	34.991848	0.021190 0.141006
## 6783	31	2.706777	0.014169 0.087399
## 16611	147	6.777375	0.014251 0.087415
## 20765	25	42.894268	0.014389 0.111375
## 7030	81	6.050673	0.010596 0.118403
## 7478	68	3.039135	0.019483 0.109053
## 13166	67	13.275517	0.019892 0.133582
## 9915	25	17.755510	0.021043 0.082125
## 18646	46	11.878870	0.019701 0.134443
## 4011	506	2.778250	0.016382 0.097363
## 15577	38	17.582312	0.026179 0.038322
## 5194	138	6.059628	0.014575 0.109171
## 21794	46	7.762609	0.012313 0.119361
## 14523	89	26.993433	0.008352 0.099579
## 4843	83	22.200790	0.020953 0.080459
## 12874	123	18.135338	0.010516 0.174848
## 8858	25	16.213425	0.011578 0.095875
## 19185	26	7.875426	0.018425 0.100601
## 21348	60	17.232357	0.019408 0.109167
## 13683	59	18.917362	0.020547 0.096716
## 11267	960	7.811643	0.015067 0.141068

## 16692	36	7.845605	0.014047 0.098003
## 15555	76	4.367948	0.014761 0.155428
## 10418	131	10.740257	0.014204 0.083636
## 16350	211	4.567163	0.016561 0.109479
## 1495	461	3.451373	0.017020 0.136903
## 10160	70	7.722629	0.019509 0.090893
## 11102	25	38.252254	0.014841 0.101875
## 11424	43	5.500509	0.008677 0.092006
## 10850	45	10.348730	0.013426 0.070347
## 12930	27	15.471751	0.012969 0.110764
## 6274	81	4.273273	0.019107 0.135610
## 12826	106	27.654121	0.012953 0.165153
## 7394	88	14.319860	0.013322 0.141122
## 17834	36	3.556945	0.014537 0.104340
## 20689	25	15.402457	0.010348 0.124875
## 10844	25	4.156306	0.017807 0.079500
## 4253	76	17.742512	0.016990 0.129030
## 835	33	11.355667	0.017998 0.089489
## 2342	28	17.467264	0.026107 0.089732
## 12029	25	5.821246	0.016454 0.121625
## 16934	37	13.703340	0.012730 0.064527
## 11669	117	20.309647	0.016995 0.090652
## 3626	37	26.339523	0.018124 0.092821
## 13114	94	19.141134	0.020536 0.087999
## 3212	167	3.338611	0.020148 0.102358
## 1322	25	10.961267	0.011418 0.150750
## 20720	89	19.160084	0.014141 0.117065
## 13131	61	6.647418	0.019772 0.085758
## 5949	38	10.624346	0.002157 0.112253
## 777	78	3.019108	0.020183 0.084455
## 5339	53	7.406300	0.015473 0.091215
## 2669	553	1.880280	0.016212 0.079532
## 17450	25	27.468548	0.022832 0.101250
## 22365	32	21.113394	0.016142 0.155859
## 20794	465	7.123528	0.011758 0.115013
## 2801	57	22.827229	0.010621 0.099781
## 8283	25	6.820693	0.014884 0.105125
## 18004	26	19.741102	0.002311 0.083534
## 16246	78	2.146023	0.012994 0.124439
## 21789	2452	5.684112	0.013678 0.149919
## 4030	68	5.304472	0.016901 0.087132
## 2336	34	31.834854	0.015486 0.113051
## 19761	74	26.567066	0.012806 0.107813
## 2922	168	2.163737	0.013916 0.120871
## 8732	54	7.810596	0.022925 0.123264
## 19230	27	24.082687	0.016619 0.106019
## 4348	674	2.861498	0.015760 0.120122
## 1706	196	5.574290	0.017294 0.105772
## 14488	111	5.823204	0.019690 0.111036
## 22415	28	12.610534	0.026577 0.100670
## 21207	119	9.478321	0.004433 0.129123
## 18585	217	10.365672	0.013889 0.139372
## 17296	146	11.572071	0.017626 0.108176
## 1517	272	3.983591	0.017101 0.104779

## 9964	147	9.549994	0.019591 0.114222
## 1977	53	4.971072	0.008720 0.146875
## 10280	33	2.034255	0.007804 0.066477
## 14973	43	40.249950	0.004028 0.068241
## 9074	36	18.499165	0.019889 0.132986
## 20783	453	10.342574	0.016717 0.135189
## 1742	47	7.905561	0.019250 0.092886
## 4720	37	16.652180	0.025567 0.036655
## 18243	55	9.210671	0.019400 0.098693
## 3379	25	12.384008	0.011509 0.094500
## 4832	121	12.243811	0.015902 0.083988
## 9688	29	14.899437	0.018791 0.147737
## 8142	25	4.761664	0.010966 0.085750
## 6245	64	13.367087	0.015939 0.118506
## 4118	95	1.053572	0.017139 0.079770
## 2456	27	14.649190	0.018762 0.129514
## 20412	35	33.007572	0.016404 0.120536
## 2016	25	7.519191	0.016205 0.111375
## 8034	31	30.851891	0.014377 0.137097
## 19942	27	19.254622	0.015260 0.130671
## 16901	52	15.777231	0.017072 0.079507
## 9650	61	6.672987	0.021470 0.085041
## 141	88	25.660858	0.027683 0.075888
## 15128	25	11.380641	0.027909 0.054250
## 7845	25	15.956213	0.014952 0.132500
## 16775	163	2.331676	0.003475 0.093079
## 1393	25	12.982108	0.027360 0.069750
## 6834	25	33.667130	0.014139 0.079250
## 21449	69	21.794006	0.013886 0.077083
## 7405	25	17.956459	0.000088 0.054000
## 613	25	10.893698	0.022242 0.117000
## 6705	106	6.700694	0.022245 0.109463
## 14291	25	42.169765	0.017225 0.092000
## 158	33	34.135956	0.012208 0.094602
## 14987	232	2.148308	0.018244 0.135089
## 1882	147	5.694280	0.015502 0.083461
## 18894	61	6.463219	0.013699 0.085963
## 271	36	41.969193	0.022708 0.079861
## 3631	25	9.698282	0.020968 0.078000
## 20554	82	23.038031	0.020105 0.094474
## 20482	583	7.422401	0.014821 0.157687
## 11161	25	21.105566	0.008818 0.119750
## 22252	30	2.924755	0.012919 0.127917
## 12539	25	31.441156	0.016246 0.099250
## 6135	34	1.894444	0.018201 0.116728
## 17469	87	8.693641	0.012497 0.110093
## 21915	677	7.555785	0.017425 0.136231
## 16741	25	19.008833	0.016379 0.079000
## 12175	130	12.536347	0.011253 0.118510
## 15011	37	15.493151	0.005613 0.105152
## 10867	43	14.518569	0.010751 0.100145
## 19190	25	18.402414	0.016157 0.107500
## 8278	26	0.960302	0.012029 0.064904
## 1255	93	3.915835	0.014377 0.182191

## 4147	40	8.310094	0.015518 0.092813
## 17026	25	34.612480	0.002759 0.045500
## 7560	60	27.862890	0.023198 0.065208
## 5378	57	4.970334	0.011268 0.159978
## 20954	31	2.791087	0.012991 0.076512
## 10810	32	21.417068	0.003988 0.138281
## 22028	88	21.486206	0.016168 0.131250
## 21472	114	16.329596	0.013859 0.121738
## 4493	51	4.103277	0.017251 0.088971
## 9655	25	54.217655	0.021776 0.072500
## 10672	25	28.705345	0.013861 0.089125
## 9340	27	21.064217	0.017257 0.106713
## 1035	152	7.956351	0.015758 0.145086
## 14330	67	33.453499	0.019612 0.140345
## 12703	43	18.369595	0.011631 0.107122
## 10653	53	7.533291	0.006526 0.060908
## 3892	27	6.217072	0.015731 0.071875
## 17568	40	36.326073	0.013938 0.127422
## 17121	227	9.597216	0.014729 0.109843
## 11077	65	7.640079	0.016340 0.099519
## 2498	82	16.175161	0.015306 0.118178
## 11670	265	26.005898	0.015422 0.083302
## 18020	33	4.899978	0.008550 0.063447
## 8760	84	4.646857	0.013625 0.096019
## 5919	36	22.315346	0.017965 0.084201
## 13643	140	12.848904	0.018831 0.111607
## 12522	49	5.647668	0.018753 0.059120
## 22449	47	3.335546	0.009438 0.101596
## 12205	235	5.358918	0.023471 0.075359
## 12252	25	12.928864	0.018692 0.086875
## 15792	25	3.937891	0.012801 0.112250
## 8353	25	7.649254	0.007750 0.072875
## 16716	49	8.524077	0.018906 0.107908
## 10487	175	6.966401	0.019934 0.135464
## 8040	25	21.978352	0.018439 0.128250
## 7400	130	10.252733	0.011948 0.137788
## 20753	683	7.328649	0.015654 0.101780
## 9470	31	2.308168	0.018689 0.122883
## 11860	32	6.813344	0.014273 0.168262
## 6827	45	19.660042	0.021528 0.083889
## 6818	98	7.389577	0.015354 0.110236
## 1336	25	11.395602	0.016539 0.101500
## 3159	242	1.591317	0.018522 0.079416
## 8025	25	22.409248	0.014099 0.118500
## 16926	46	10.782056	0.012882 0.039402
## 13962	49	7.649425	0.018766 0.120472
## 12898	35	3.189843	0.021857 0.118839
## 16891	25	18.222754	0.018174 0.085250
## 12800	44	8.313318	0.020971 0.079119
## 4923	102	6.224823	0.015365 0.110600
## 22184	234	13.819357	0.017374 0.115612
## 20652	26	8.571133	0.021004 0.116226
## 20136	51	17.560699	0.019768 0.109804
## 21080	27	24.000572	0.016668 0.091667

## 18684	25	20.952635	0.014648	0.095750
## 7698	129	20.377600	0.005873	0.088493
## 15983	25	21.890741	0.016410	0.082250
## 15437	241	6.343873	0.013629	0.091533
## 20354	371	7.513725	0.019039	0.163216
## 18417	1782	7.862818	0.016777	0.161725
## 3552	290	4.578025	0.020133	0.086573
## 4186	121	3.460998	0.014228	0.117175
## 16200	106	11.797680	0.020386	0.091126
## 9259	40	16.926554	0.011743	0.111250
## 14845	40	10.525784	0.013028	0.104766
## 1223	82	16.205053	0.016496	0.088834
## 14453	25	27.171032	0.011923	0.084125
## 10117	32	22.835224	0.020122	0.099707
## 18330	26	18.957321	0.014981	0.086418
## 6105	42	15.559587	0.017916	0.094345
## 15615	34	22.604193	0.019195	0.047886
## 9365	25	29.619675	0.015025	0.099625
## 8443	45	13.680984	0.022329	0.148125
## 3743	61	13.826165	0.015946	0.073309
## 19898	37	12.702893	0.005726	0.094510
## 12077	72	10.040847	0.020012	0.112196
## 6981	34	11.063519	0.009890	0.056342
## 16456	175	7.120655	0.019175	0.092679
## 7594	125	11.402428	0.009273	0.103425
## 3117	65	4.612254	0.018934	0.092981
## 5303	101	13.925160	0.023339	0.117420
## 4448	167	11.658854	0.020392	0.105240
## 3933	25	20.867071	0.022373	0.045125
## 8065	638	8.295507	0.013066	0.120925
## 4578	28	25.036390	0.022576	0.076228
## 75	44	17.219059	0.027249	0.086293
## 13199	50	7.191671	0.017473	0.124000
## 12594	69	4.276395	0.019816	0.062953
## 11615	25	9.411016	0.003328	0.076250
## 7425	25	13.571064	0.002420	0.164875
## 1786	81	3.436203	0.017331	0.089043
## 16608	91	20.148199	0.015719	0.084753
## 16616	59	8.595964	0.021110	0.077754
## 17942	69	10.616380	0.011429	0.123913
## 3175	33	6.112760	0.017235	0.092045
## 15096	79	4.365075	0.020492	0.074921
## 21872	214	2.014231	0.026941	0.093721
## 11687	1006	9.177896	0.015072	0.131837
## 16125	41	9.589896	0.018810	0.125152
## 14532	89	12.118094	0.015310	0.110709
## 3471	56	1.848870	0.016497	0.124944
## 2144	27	13.316667	0.017508	0.074769
## 12854	114	18.525953	0.019192	0.096573
## 10349	72	1.628924	0.014459	0.096658
## 20824	25	54.111538	0.017575	0.131875
## 21152	25	23.946360	0.018191	0.105625
## 14005	35	37.903866	0.007849	0.125268
## 9576	39	24.830280	0.012112	0.118269

## 14657	65	32.979355	0.018241 0.082740
## 13991	203	8.805419	0.015161 0.112192
## 17800	38	4.006646	0.009848 0.121875
## 4891	35	8.638244	0.012930 0.061250
## 9329	31	11.421284	0.016609 0.108165
## 568	62	13.262472	0.011823 0.140323
## 5799	25	15.134369	0.013301 0.125625
## 3617	37	21.263348	0.010803 0.098480
## 9119	56	12.506322	0.015793 0.091574
## 9518	26	14.067703	0.020632 0.109856
## 20601	34	3.019825	0.016275 0.108640
## 20726	108	16.898672	0.015186 0.136053
## 2130	62	12.775235	0.015817 0.106048
## 149	97	21.257019	0.013978 0.133892
## 3693	95	0.338081	0.019911 0.094638
## 4500	33	6.663399	0.011240 0.104261
## 15515	25	8.486834	0.000517 0.088625
## 19993	25	21.426369	0.022703 0.073875
## 4480	64	5.739406	0.015055 0.098682
## 21916	510	7.880500	0.014326 0.125031
## 10196	226	20.955727	0.018941 0.083324
## 6650	120	9.047950	0.019896 0.199453
## 6006	25	5.742432	0.009983 0.085750
## 5480	73	7.859961	0.019058 0.114854
## 1795	829	3.158520	0.014354 0.126372
## 6164	66	6.188422	0.019095 0.112027
## 19636	26	18.173397	0.017410 0.093149
## 4740	42	5.467714	0.012938 0.082292
## 11122	110	8.221752	0.014687 0.133097
## 6970	37	5.319037	0.015531 0.089020
## 8866	25	49.161861	0.011444 0.134125
## 15819	43	13.349725	0.006750 0.118096
## 6606	110	9.097228	0.022566 0.125284
## 20791	1764	8.771085	0.017606 0.137906
## 3217	95	9.926046	0.017782 0.104704
## 1232	188	5.253023	0.016252 0.113049
## 3557	141	2.734757	0.017143 0.110173
## 17005	54	7.639991	0.018171 0.122917
## 16046	67	18.871693	0.016989 0.058955
## 7139	282	12.102591	0.015887 0.166068
## 10261	26	29.697950	0.015917 0.080889
## 9476	66	10.812147	0.015887 0.093277
## 14494	142	12.776675	0.012857 0.105546
## 17493	124	8.097348	0.019504 0.105015
## 10240	25	8.731275	0.016870 0.089000
## 5483	40	9.823274	0.012400 0.142031
## 4930	98	2.831126	0.018095 0.145568
## 21159	142	18.989336	0.024010 0.090119
## 8272	32	6.432348	0.010698 0.073633
## 1008	70	8.637184	0.022289 0.107054
## 10647	25	36.646210	0.012757 0.091000
## 12187	51	5.347335	0.011610 0.111826
## 9450	25	36.240810	0.018678 0.075250
## 17378	30	10.040045	0.016096 0.080521

## 13624	26	14.004434	0.020438	0.099399
## 3056	93	5.439959	0.022788	0.063071
## 19517	25	33.373192	0.016890	0.135000
## 12596	38	28.379160	0.027694	0.084539
## 2411	44	16.560705	0.014644	0.157813
## 16298	28	25.210825	0.013687	0.101451
## 14042	130	16.353426	0.015828	0.113413
## 17925	382	10.225720	0.013235	0.156872
## 17943	184	10.707535	0.017017	0.135105
## 16505	31	3.366924	0.006835	0.025000
## 20984	25	16.484562	0.015525	0.115500
## 8619	444	11.569887	0.017951	0.168532
## 5065	65	2.305549	0.022418	0.104471
## 20529	1569	8.379717	0.015968	0.151924
## 3245	71	1.773149	0.012688	0.159419
## 3074	63	1.960908	0.019336	0.090079
## 4231	25	8.845046	0.017111	0.084875
## 17308	25	13.278640	0.018224	0.093750
## 11365	35	9.923688	0.018133	0.061518
## 13970	30	21.961649	0.018301	0.122500
## 9521	25	44.357788	0.018800	0.115375
## 21842	28	28.537458	0.024392	0.087277
## 2896	275	2.949386	0.013397	0.125102
## 9547	460	19.989710	0.008674	0.128804
## 7752	27	11.890409	0.006544	0.101157
## 6629	25	37.556705	0.025712	0.126750
## 500	25	12.324716	0.012882	0.088000
## 775	47	3.448514	0.008860	0.077992
## 20776	1844	9.842793	0.014951	0.136002
## 10313	105	8.829272	0.020892	0.086250
## 2322	33	3.087858	0.014763	0.121780
## 7326	38	4.399245	0.015569	0.044079
## 12044	27	11.544377	0.014634	0.110648
## 17076	88	13.432446	0.019948	0.077983
## 19437	28	15.477435	0.014525	0.079576
## 10897	41	0.451168	0.019085	0.092988
## 12702	25	9.631811	0.018355	0.077250
## 19183	49	19.357407	0.017770	0.128061
## 18143	32	6.473446	0.014811	0.093359
## 6087	374	7.591073	0.022775	0.148530
## 4120	105	3.289486	0.016100	0.078809
## 2128	90	9.487388	0.011467	0.124306
## 6700	111	9.543185	0.023394	0.122720
## 11320	25	13.064213	0.014021	0.070375
## 20252	28	9.131592	0.008738	0.117299
## 5837	618	7.281375	0.020696	0.136276
## 21012	114	9.060018	0.020270	0.151480
## 1526	478	4.612465	0.018196	0.103825
## 8444	44	5.126010	0.022283	0.151491
## 1762	30	4.834385	0.012699	0.081771
## 8427	27	10.250767	0.001636	0.164815
## 10616	41	25.587200	0.030112	0.036357
## 10211	25	11.321355	0.013662	0.081125
## 294	50	11.944195	0.023622	0.095875

## 10358	27	15.625476	0.022666	0.032986
## 18192	25	9.573704	0.008706	0.135375
## 3194	59	5.522624	0.022107	0.075847
## 19649	26	30.846037	0.014621	0.129207
## 18389	124	2.367759	0.015788	0.074395
## 16869	92	15.953871	0.014402	0.171366
## 15105	33	2.410418	0.016272	0.110890
## 9900	107	4.081882	0.020758	0.128563
## 3231	233	3.374170	0.016862	0.107725
## 3007	32	23.563053	0.015707	0.084180
## 9665	31	1.952944	0.019451	0.086996
## 12260	25	35.816307	0.018285	0.099750
## 5031	25	28.085600	0.016282	0.077750
## 6943	29	0.938704	0.018154	0.100539
## 14311	72	25.213404	0.010843	0.099870
## 14021	76	7.007173	0.014651	0.106456
## 12677	43	12.037497	0.003185	0.053343
## 2567	46	15.135051	0.013520	0.163111
## 8408	26	14.733530	0.016701	0.096394
## 20150	151	8.201431	0.015210	0.201821
## 7324	25	25.273691	0.000073	0.054375
## 20551	85	17.263193	0.017250	0.135588
## 11792	42	9.469728	0.009886	0.091443
## 140	35	41.631977	0.025855	0.068304
## 19844	111	3.855638	0.017777	0.109065
## 970	33	10.808629	0.024657	0.052273
## 17645	278	3.427508	0.007751	0.107869
## 21225	53	10.443114	0.020207	0.075531
## 20648	31	11.544128	0.017840	0.118347
## 11946	82	4.756657	0.003950	0.175534
## 19095	235	3.950535	0.016944	0.136662
## 8705	45	2.651073	0.021535	0.066736
## 17339	25	17.625877	0.001306	0.193750
## 15736	292	16.405586	0.012805	0.122185
## 14585	67	10.025620	0.004401	0.102519
## 3014	47	7.038470	0.020172	0.109109
## 19914	31	14.023334	0.016039	0.126210
## 12655	62	4.347411	0.020669	0.071976
## 3826	188	3.832715	0.015883	0.119199
## 22152	434	5.801183	0.009969	0.148214
## 8487	85	13.967246	0.010378	0.138640
## 6423	100	14.536283	0.003737	0.092344
## 15548	105	17.264040	0.026203	0.076935
## 165	124	11.600950	0.014598	0.105746
## 3087	75	10.062650	0.007048	0.088958
## 21951	596	8.160901	0.019625	0.132466
## 19053	28	12.375108	0.017027	0.125558
## 4712	58	23.784081	0.024285	0.060075
## 9572	45	19.119133	0.016381	0.135347
## 8924	147	9.331425	0.017453	0.128210
## 16399	42	5.497250	0.017084	0.070536
## 2149	26	1.654639	0.016975	0.079447
## 4234	79	6.552022	0.022030	0.071638
## 17495	46	12.001353	0.018975	0.108288

## 3135	79	6.393048	0.012457 0.102729
## 16568	25	5.471229	0.007892 0.081875
## 17238	161	35.624729	0.017718 0.109414
## 1998	231	9.335437	0.016959 0.101461
## 11134	63	20.252317	0.017466 0.147272
## 333	32	6.445325	0.018795 0.111328
## 5818	26	7.594231	0.017351 0.099279
## 464	36	23.147579	0.025023 0.113889
## 13317	156	9.318030	0.011805 0.140865
## 7201	31	22.420286	0.014248 0.127923
## 17496	124	5.183749	0.019481 0.103528
## 21954	34	11.787604	0.017084 0.079228
## 17312	61	25.432549	0.006954 0.091803
## 11410	25	6.474794	0.022955 0.035500
## 14493	44	19.370512	0.013228 0.109233
## 2582	56	6.035202	0.009515 0.160045
## 6266	34	11.232650	0.022567 0.106342
## 4694	28	25.144064	0.016657 0.082924
## 1342	155	28.409750	0.014324 0.135988
## 9030	30	18.631420	0.018643 0.097188
## 2558	107	5.463904	0.016621 0.120269
## 18448	1302	7.693506	0.017274 0.147533
## 9005	28	26.549164	0.008477 0.050000
## 15845	25	22.297142	0.004427 0.089875
## 18402	25	9.014198	0.015677 0.066250
## 3916	93	5.455908	0.019534 0.076042
## 14620	106	11.210112	0.018564 0.052123
## 6706	103	16.000027	0.023137 0.106068
## 8639	611	8.794991	0.015648 0.114756
## 21005	25	44.177452	0.017753 0.116000
## 12892	97	2.316413	0.020732 0.096907
## 3896	80	4.172633	0.017104 0.110391
## 11333	25	18.772062	0.004389 0.084375
## 13681	50	11.625014	0.018300 0.095625
## 9087	32	6.553362	0.019069 0.116406
## 19701	38	12.391813	0.012969 0.092516
## 17268	25	42.862797	0.017890 0.072125
## 20520	33	14.415723	0.016272 0.150852
## 4127	223	3.275147	0.021913 0.095095
## 21347	85	23.809921	0.017219 0.088162
## 14211	72	11.219442	0.015891 0.073307
## 8498	29	3.934068	0.021152 0.157866
## 3338	49	5.378069	0.017595 0.121173
## 17592	70	11.241545	0.012613 0.094955
## 13082	25	34.370338	0.014160 0.111250
## 12772	50	19.191034	0.020945 0.070562
## 3880	25	13.572131	0.015662 0.095750
## 6256	30	17.208828	0.012929 0.061458
## 19320	50	19.120253	0.017594 0.083250
## 17487	36	24.775476	0.017705 0.095660
## 8386	31	5.912851	0.016908 0.088004
## 20461	228	8.491146	0.015946 0.161294
## 20186	279	12.147636	0.014427 0.118459
## 10128	52	21.951670	0.019892 0.092248

## 8891	52	11.439253	0.011744 0.128546
## 12479	34	20.921432	0.016864 0.075092
## 21657	31	11.387590	0.014709 0.133468
## 10498	25	10.613254	0.020287 0.074500
## 5712	2495	7.163597	0.016902 0.139064
## 19610	31	41.661049	0.017398 0.090524
## 16548	27	6.224555	0.014846 0.071181
## 8390	44	8.704914	0.013837 0.086932
## 2156	25	7.178088	0.019394 0.104125
## 6765	112	11.558913	0.015444 0.085910
## 5075	28	25.096958	0.017387 0.077790
## 344	67	12.963336	0.021204 0.109701
## 11811	73	6.960083	0.019770 0.089212
## 21495	25	16.063887	0.015950 0.154000
## 10479	27	15.716485	0.018207 0.092477
## 14799	25	25.255919	0.020175 0.026750
## 16040	176	7.481302	0.015820 0.154545
## 611	58	22.695646	0.014978 0.086045
## 18803	25	41.407665	0.002527 0.118250
## 13218	75	17.684481	0.013295 0.141667
## 7445	91	12.118968	0.010699 0.123523
## 8842	38	9.567096	0.013152 0.094490
## 9839	51	7.850980	0.020925 0.079902
## 9337	61	9.091311	0.018266 0.119160
## 19019	58	19.915409	0.015643 0.084267
## 2031	63	20.246876	0.018068 0.106944
## 5046	43	8.503447	0.016143 0.096294
## 3022	25	3.777256	0.018193 0.093000
## 12311	32	6.679131	0.017319 0.042090
## 7802	25	14.138433	0.016717 0.091750
## 14223	44	27.858025	0.020247 0.076847
## 18194	44	8.270206	0.004403 0.136861
## 8796	164	14.023655	0.011449 0.127725
## 19018	30	18.730782	0.017241 0.080521
## 7408	31	25.859743	0.016571 0.078629
## 13900	25	21.312838	0.019584 0.074250
## 15431	25	24.749779	0.016068 0.126500
## 5916	189	11.614408	0.021942 0.076769
## 10224	50	6.780958	0.014546 0.082875
## 620	41	11.147045	0.020223 0.075229
## 13172	94	3.689378	0.014066 0.158610
## 17401	56	13.606303	0.008901 0.077958
## 5586	51	4.945470	0.007023 0.069424
## 10319	65	11.582680	0.025303 0.106683
## 436	44	4.642281	0.003805 0.114347
## 2047	44	8.726554	0.019065 0.121165
## 19308	25	40.592899	0.021783 0.046375
## 14297	49	32.680504	0.018810 0.073597
## 10645	81	30.610741	0.020210 0.110532
## 5614	132	19.678596	0.017568 0.110511
## 11688	207	5.435853	0.015578 0.117814
## 3038	30	8.987445	0.015305 0.107188
## 22262	38	5.052967	0.023762 0.103865
## 4874	60	4.162745	0.010736 0.141406

## 11534	25	8.131164	0.002148	0.211500
## 15223	27	5.212652	0.009970	0.106481
## 1970	59	4.284683	0.019725	0.088083
## 13505	93	7.618544	0.014066	0.094724
## 8433	25	2.443154	0.017543	0.140250
## 19349	101	14.273918	0.020260	0.193471
## 2372	130	9.219247	0.018295	0.101899
## 20992	44	13.871919	0.019399	0.141477
## 10121	1090	4.728851	0.013705	0.137488
## 10979	25	33.238575	0.015599	0.083000
## 12484	25	35.946968	0.014826	0.076125
## 5268	53	1.104461	0.014388	0.113090
## 8392	34	21.016006	0.013747	0.096140
## 6474	93	7.078392	0.021901	0.119355
## 7381	25	18.456823	0.026004	0.112750
## 1090	25	19.556398	0.014321	0.080625
## 14651	45	30.084734	0.014643	0.092361
## 4722	75	16.335678	0.025797	0.050208
## 5203	162	11.395097	0.014512	0.151177
## 19225	73	4.968232	0.018689	0.122774
## 19543	116	6.038895	0.019484	0.122980
## 8535	32	22.221294	0.018314	0.142285
## 4714	94	10.270632	0.024154	0.075366
## 868	33	3.778988	0.017947	0.108239
## 16454	60	2.474107	0.014069	0.093490
## 17557	104	17.541910	0.009018	0.104087
## 22364	149	9.073501	0.014645	0.169966
## 365	25	11.370403	0.011835	0.058000
## 22340	44	4.559242	0.025706	0.095881
## 564	25	24.831369	0.004914	0.182250
## 3820	91	3.283961	0.015909	0.070192
## 12974	77	1.773396	0.014868	0.116721
## 17931	25	14.835568	0.017546	0.089500
## 2793	129	5.798011	0.015219	0.115262
## 20638	41	16.805586	0.016608	0.133460
## 4162	38	4.471672	0.016228	0.091612
## 15008	42	13.477775	0.019420	0.077530
## 6672	272	23.062109	0.016969	0.099253
## 22082	31	13.399651	0.016871	0.062601
## 3527	40	11.096065	0.016021	0.108750
## 18471	45	29.598312	0.018343	0.127847
## 17992	25	4.431896	0.021273	0.095875
## 18802	472	8.222183	0.010313	0.106985
## 13485	37	37.589062	0.019161	0.114105
## 5239	6055	5.165942	0.018345	0.132347
## 8232	25	18.364342	0.017265	0.107750
## 17303	25	18.025223	0.013758	0.062250
## 16889	25	34.870132	0.012558	0.088250
## 9676	104	8.579229	0.021637	0.091526
## 21258	33	16.285723	0.001026	0.052746
## 14898	28	4.678596	0.007075	0.225781
## 13954	31	11.326566	0.020299	0.119657
## 2811	263	10.897236	0.016258	0.081511
## 17571	28	22.655119	0.015801	0.083594

## 2514	64	11.108851	0.014845 0.130127
## 21979	62	8.098185	0.026288 0.128075
## 8098	32	4.179261	0.017346 0.055664
## 15579	37	14.308397	0.023130 0.035895
## 9430	215	22.302711	0.017733 0.076541
## 9953	126	17.469450	0.016728 0.131275
## 1051	608	3.119918	0.013834 0.132406
## 9406	59	15.367661	0.011766 0.110116
## 21785	27	21.004568	0.006566 0.117824
## 15938	49	14.536015	0.017318 0.101339
## 14962	25	25.836254	0.016806 0.046750
## 7368	1820	6.060724	0.014591 0.093091
## 16176	94	1.418838	0.021261 0.087965
## 20405	25	5.174898	0.011995 0.113375
## 4018	373	5.090634	0.016521 0.095266
## 13984	134	11.554653	0.009093 0.132416
## 8895	64	10.622477	0.011734 0.142285
## 17478	135	8.428142	0.020583 0.144907
## 5689	561	8.250580	0.013340 0.129551
## 12910	45	0.919293	0.014053 0.147083
## 6269	43	14.376692	0.021932 0.106250
## 1555	65	6.923469	0.010963 0.097452
## 11351	135	6.696150	0.020478 0.090069
## 11799	36	15.209913	0.013471 0.221875
## 16723	65	8.140240	0.019664 0.056923
## 7913	25	40.543419	0.007797 0.102500
## 12793	96	16.407026	0.017264 0.070671
## 1864	206	11.999713	0.017138 0.104915
## 6907	32	19.327065	0.014895 0.081836
## 18337	37	11.424167	0.019219 0.091301
## 10235	42	7.755253	0.009020 0.107366
## 9162	72	11.504396	0.023935 0.049523
## 18827	25	13.898978	0.011823 0.099125
## 10968	280	12.734738	0.015574 0.138694
## 7095	101	6.266922	0.009612 0.095885
## 22260	134	5.265050	0.015710 0.167794
## 308	73	4.956286	0.016135 0.138271
## 12399	25	17.429144	0.020652 0.075375
## 3327	58	6.195020	0.011782 0.088362
## 15764	26	36.914795	0.025457 0.059255
## 8263	176	9.637577	0.018269 0.121804
## 10309	29	2.588641	0.021229 0.054957
## 14810	33	7.440681	0.006225 0.273864
## 16014	75	3.338624	0.016955 0.130458
## 19970	49	7.255021	0.017528 0.131250
## 3752	53	2.611778	0.016701 0.092571
## 17443	87	12.797007	0.015899 0.118499
## 19196	25	13.733646	0.016354 0.115000
## 6839	114	11.470737	0.017113 0.112226
## 2383	79	1.431908	0.015698 0.110364
## 12712	30	8.616871	0.017891 0.085208
## 677	84	1.361081	0.019025 0.072917
## 6716	80	14.090932	0.008510 0.097734
## 10795	66	13.541240	0.014009 0.084612

## 2987	257	7.008818	0.012122 0.184594
## 18760	76	22.190994	0.016521 0.122410
## 16640	27	15.065416	0.015843 0.120370
## 3249	234	1.986188	0.016046 0.105155
## 21098	35	8.149895	0.019690 0.108839
## 3416	215	1.886655	0.016636 0.117413
## 714	271	3.514487	0.016102 0.102768
## 14800	153	8.078508	0.015090 0.089971
## 9313	25	10.112225	0.011042 0.154125
## 8650	1113	10.258418	0.015681 0.132061
## 17909	102	7.828273	0.015563 0.143627
## 13699	29	14.879297	0.017841 0.116272
## 19841	79	6.251538	0.016992 0.122271
## 746	25	27.404926	0.016030 0.096875
## 657	35	15.959719	0.018136 0.094018
## 4000	588	2.829010	0.016717 0.120568
## 8416	33	17.755472	0.014474 0.111742
## 13447	26	16.900547	0.017369 0.071995
## 6924	25	30.850567	0.014332 0.067125
## 14048	188	5.527437	0.011877 0.097473
## 13067	654	8.054163	0.015845 0.141313
## 12697	112	4.980056	0.013920 0.097656
## 18990	87	15.473385	0.014380 0.120366
## 12222	38	12.362350	0.021677 0.103043
## 13616	47	18.089670	0.020984 0.150266
## 22017	147	10.794248	0.026375 0.123151
## 2219	71	11.319589	0.017411 0.100836
## 7158	345	12.732653	0.016118 0.164475
## 1405	25	11.985374	0.013388 0.081875
## 16161	25	5.832702	0.015513 0.085750
## 6752	25	11.231768	0.010200 0.134500
## 7537	43	19.960958	0.021431 0.104942
## 8441	28	14.789919	0.011628 0.156585
## 13094	95	13.308733	0.007863 0.116447
## 8602	67	17.110386	0.024307 0.117304
## 1898	111	2.563197	0.016032 0.102984
## 728	59	9.853175	0.018358 0.091843
## 12013	45	5.440375	0.012318 0.121111
## 19723	233	7.586952	0.017860 0.119877
## 10768	54	2.028222	0.012789 0.105324
## 176	25	16.941715	0.008845 0.055500
## 22399	41	4.212407	0.012157 0.168216
## 20483	3078	7.866342	0.015894 0.140351
## 1726	33	6.165004	0.010531 0.068655
## 278	65	27.478153	0.021747 0.110529
## 19697	27	9.833311	0.008339 0.121065
## 9666	60	6.735582	0.022087 0.088229
## 6855	39	16.044577	0.015027 0.045913
## 6603	49	12.737099	0.020239 0.101467
## 14175	84	8.611998	0.016615 0.076674
## 4024	57	5.523311	0.017601 0.068366
## 5584	25	22.213028	0.017690 0.111500
## 13359	36	40.265972	0.016451 0.087413
## 13289	25	24.799118	0.014036 0.111500

## 13588	25	24.281811	0.019308	0.094875
## 19929	25	26.932217	0.018204	0.095375
## 21843	125	13.665674	0.026552	0.119175
## 14309	123	6.976261	0.021316	0.083689
## 8431	69	9.600163	0.019198	0.172011
## 13856	107	4.042091	0.020316	0.126548
## 8226	25	14.364045	0.021404	0.087375
## 6739	434	21.858410	0.012388	0.160693
## 8931	273	8.030985	0.017530	0.146326
## 3992	48	2.577127	0.014866	0.086393
## 17562	259	11.719380	0.012393	0.109327
## 12059	29	13.492191	0.003136	0.195259
## 17972	29	2.356757	0.015240	0.111853
## 10308	25	8.195696	0.012207	0.076375
## 17425	72	31.157036	0.017213	0.112109
## 17370	38	16.988743	0.010329	0.037911
## 3068	56	23.728098	0.020618	0.074386
## 9006	154	23.476141	0.020079	0.092533
## 13645	25	62.139736	0.019208	0.080000
## 9034	25	21.241926	0.018878	0.115125
## 15032	91	8.758648	0.021673	0.153709
## 4443	72	12.970505	0.023054	0.082726
## 11452	25	27.030640	0.004864	0.105250
## 2382	405	10.303279	0.016233	0.127454
## 4543	56	3.670256	0.013030	0.090625
## 7465	25	6.973483	0.011718	0.103625
## 10566	25	15.737977	0.002016	0.085125
## 1913	44	17.850550	0.007663	0.067756
## 15816	25	24.932051	0.012553	0.080625
## 19214	28	15.264651	0.020085	0.099219
## 5953	43	6.773956	0.008268	0.078634
## 9985	54	20.085709	0.013781	0.095602
## 11977	37	3.233731	0.011866	0.088091
## 664	37	15.294892	0.016721	0.085557
## 12231	55	1.664950	0.017730	0.106307
## 21020	25	44.495914	0.016544	0.125000
## 13906	31	14.622295	0.020533	0.085383
## 19954	38	24.506079	0.018144	0.093421
## 22310	38	8.225692	0.022514	0.106168
## 16197	94	6.135397	0.014047	0.203956
## 8805	25	14.933476	0.020357	0.066000
## 4717	105	16.548420	0.024951	0.075923
## 20787	625	7.768397	0.012361	0.128655
## 12960	25	10.857394	0.014463	0.089625
## 2169	75	5.612033	0.017464	0.108417
## 5547	75	19.368902	0.011417	0.075000
## 5959	46	1.677466	0.016275	0.140897
## 10377	64	5.447440	0.020617	0.068164
## 2483	25	10.660269	0.015107	0.113875
## 15911	31	21.120052	0.019471	0.100504
## 10428	25	8.124336	0.012264	0.132875
## 11399	25	16.386829	0.018108	0.103500
## 13746	28	16.704517	0.013431	0.097656
## 1417	174	2.035025	0.015616	0.122755

## 7261	77	10.945134	0.020757 0.120942
## 3860	39	14.001948	0.015007 0.086619
## 19847	74	7.396324	0.016560 0.136571
## 7553	278	10.237658	0.016547 0.067154
## 17032	53	6.678040	0.016787 0.088384
## 12919	28	1.026660	0.021012 0.146987
## 13370	67	33.972073	0.019178 0.141465
## 14497	34	33.388443	0.008183 0.131710
## 5969	25	8.055540	0.007289 0.100375
## 11074	2364	11.052570	0.015739 0.128692
## 17797	45	17.414902	0.005910 0.192708
## 952	57	21.756874	0.021237 0.142215
## 6898	122	10.214298	0.008308 0.266189
## 3011	55	1.752427	0.018574 0.079659
## 8088	60	18.317221	0.015967 0.124375
## 1187	29	6.014540	0.024241 0.072953
## 5027	148	7.794077	0.013823 0.082454
## 20962	32	23.726971	0.017279 0.114551
## 1967	127	10.127615	0.016264 0.083686
## 5319	142	29.822111	0.013604 0.117342
## 15786	25	30.775702	0.013932 0.115375
## 10929	44	2.898004	0.010709 0.078764
## 16939	29	24.628538	0.015457 0.088254
## 6668	28	28.019796	0.012588 0.077679
## 5306	43	7.827367	0.016724 0.126163
## 15702	51	14.660601	0.003304 0.102941
## 13121	39	19.286469	0.028064 0.078606
## 10406	66	12.990073	0.014560 0.097633
## 11036	27	5.718042	0.006202 0.128009
## 2826	253	3.606854	0.019809 0.115403
## 13948	44	13.878027	0.011963 0.165767
## 9266	36	42.061211	0.019039 0.065278
## 20234	184	8.903747	0.008560 0.115268
## 2442	97	9.269186	0.017411 0.110696
## 1891	89	13.382855	0.017319 0.087711
## 14391	25	24.890614	0.017329 0.116750
## 16812	28	24.313602	0.017365 0.093304
## 2846	47	2.471333	0.017718 0.080386
## 19681	70	17.302393	0.022024 0.074955
## 19747	65	2.999305	0.022221 0.091587
## 17525	89	7.524843	0.008263 0.072788
## 11589	81	2.101193	0.012484 0.127778
## 8185	43	8.357171	0.009106 0.115625
## 19477	26	13.963980	0.018337 0.115505
## 13217	33	26.972883	0.008737 0.130871
## 16731	50	6.730648	0.016957 0.089937
## 22392	175	12.146421	0.012743 0.168411
## 6502	554	9.416752	0.016127 0.102809
## 386	25	15.080031	0.003638 0.108250
## 672	39	7.633329	0.015169 0.143910
## 17431	44	12.598454	0.016985 0.105540
## 11256	1439	9.729664	0.017438 0.139784
## 19066	41	16.024626	0.017445 0.140015
## 3289	92	2.541026	0.017267 0.084579

## 20696	25	17.437550	0.017476 0.125375
## 13612	36	11.298630	0.018970 0.118056
## 15998	131	10.678952	0.019065 0.118702
## 15991	38	15.679270	0.015957 0.130428
## 17533	25	15.275429	0.022032 0.088125
## 12964	25	7.898577	0.022063 0.071375
## 2289	60	5.389048	0.020849 0.092917
## 20774	25	20.450050	0.017539 0.139750
## 7333	30	8.166159	0.019533 0.106667
## 17440	76	10.886992	0.012787 0.096834
## 4680	47	6.570564	0.022005 0.105652
## 11354	27	15.331392	0.014322 0.078819
## 20270	25	8.432407	0.013803 0.116000
## 7497	53	1.138089	0.015278 0.095401
## 18578	401	8.252283	0.016385 0.129122
## 8571	25	25.643583	0.018679 0.069000
## 19006	25	50.141514	0.005969 0.083500
## 510	45	3.301750	0.015247 0.136042
## 18749	47	21.728277	0.019380 0.103856
## 15235	29	7.088632	0.017721 0.088901
## 831	322	10.118362	0.019406 0.093109
## 9081	44	14.688608	0.021185 0.112500
## 4732	31	22.510740	0.011050 0.121774
## 1129	25	5.740112	0.015188 0.086000
## 13246	36	36.643299	0.023568 0.105816
## 22459	25	28.153502	0.014671 0.085500
## 3439	183	3.021825	0.016297 0.107924
## 779	58	22.441984	0.018126 0.092134
## 9352	64	7.419464	0.019565 0.095898
## 2706	90	1.456777	0.015013 0.195556
## 12120	44	8.752743	0.003826 0.146591
## 560	41	15.913126	0.000945 0.073399
## 13745	29	12.828656	0.012939 0.106358
## 14514	28	17.634012	0.016470 0.076451
## 11503	32	13.571490	0.017606 0.068652
## 9902	56	2.815240	0.021388 0.121094
## 170	32	10.605204	0.004722 0.143945
## 9155	82	11.241148	0.011123 0.134375
## 1983	238	4.210793	0.013477 0.105423
## 12546	264	19.308712	0.020266 0.080528
## 13381	38	2.858474	0.019557 0.097039
## 15017	41	1.400281	0.020170 0.059070
## 1962	185	5.874988	0.017370 0.078328
## 3511	71	11.323462	0.017905 0.108275
## 1738	25	14.006326	0.016788 0.137000
## 14546	63	10.253056	0.013595 0.089732
## 5518	33	21.137629	0.028076 0.058049
## 14499	42	19.577145	0.008346 0.115699
## 21435	146	16.794773	0.017122 0.180158
## 20711	28	21.372696	0.018264 0.104799
## 9947	234	6.849516	0.015366 0.138221
## 19690	45	11.358866	0.016421 0.172500
## 20209	268	11.611876	0.016053 0.139389
## 11596	25	19.796886	0.016149 0.118625

## 5564	437	5.463433	0.019007 0.124092
## 14323	31	26.315632	0.019099 0.082460
## 8152	225	3.119316	0.012459 0.126389
## 21515	131	23.989706	0.019829 0.143798
## 5568	616	5.007277	0.014652 0.131823
## 11533	25	20.346537	0.004342 0.279750
## 22149	132	3.078254	0.010935 0.075213
## 16119	52	14.802499	0.014935 0.146995
## 3453	32	11.839437	0.022007 0.092480
## 16163	25	7.026720	0.016943 0.084125
## 6564	45	3.021800	0.014600 0.057014
## 7703	206	12.720761	0.012593 0.194782
## 5812	32	6.526393	0.018690 0.119238
## 4506	80	7.470800	0.010978 0.141875
## 19570	42	10.021433	0.014297 0.122321
## 22509	102	3.070708	0.019744 0.154779
## 19107	99	12.989438	0.018823 0.089015
## 13355	25	50.563774	0.019869 0.061250
## 7676	70	17.637064	0.025877 0.158437
## 6216	93	7.179172	0.012954 0.108535
## 2619	85	12.675477	0.018013 0.096324
## 10136	1189	12.221085	0.016440 0.123439
## 20334	959	7.678144	0.017346 0.153363
## 13378	60	7.164969	0.018720 0.090365
## 18940	36	18.196754	0.013448 0.135938
## 6261	105	14.166859	0.022342 0.164286
## 20119	25	25.684105	0.015216 0.139500
## 5947	26	10.322388	0.003273 0.113221
## 22477	34	12.022503	0.026641 0.084926
## 7475	34	2.342411	0.018840 0.104779
## 20504	25	33.884373	0.013970 0.126500
## 16400	190	6.848712	0.021776 0.086415
## 22176	119	9.390787	0.027545 0.110242
## 14893	47	5.430740	0.014765 0.084707
## 19781	25	58.057770	0.016949 0.108250
## 460	80	8.764653	0.013574 0.174023
## 3963	38	8.559373	0.020518 0.089967
## 8290	25	9.225992	0.016940 0.113125
## 15300	36	0.593543	0.017691 0.096962
## 10024	25	33.843822	0.014148 0.148750
## 5001	116	20.967186	0.015939 0.114413
## 6221	38	17.733706	0.018999 0.135526
## 1220	43	15.422826	0.012360 0.100363
## 15507	27	2.644586	0.015212 0.108218
## 13516	25	33.595829	0.005513 0.106250
## 21139	49	9.215677	0.018941 0.107207
## 16219	44	16.944983	0.014590 0.110440
## 10077	349	10.178764	0.017825 0.149346
## 5779	57	9.383692	0.022658 0.108443
## 6073	249	7.000459	0.018789 0.108446
## 13064	561	7.917060	0.013399 0.129189
## 18574	696	5.836784	0.015101 0.135538
## 15035	150	6.686200	0.020858 0.169896
## 4913	116	17.225613	0.015829 0.084698

## 10872	34	3.896608	0.014221	0.083088
## 21025	25	61.714603	0.017880	0.076375
## 12934	159	16.676632	0.018470	0.133137
## 4798	66	4.754066	0.014557	0.157150
## 21897	295	10.029133	0.013380	0.128994
## 4684	264	21.496969	0.020176	0.080623
## 15756	37	18.435999	0.013157	0.093412
## 12847	124	27.350317	0.019150	0.100605
## 15995	45	0.648971	0.019350	0.136667
## 18468	1068	8.098980	0.013564	0.148195
## 23	132	5.447408	0.010195	0.114228
## 15766	27	21.302397	0.024012	0.095949
## 13450	31	26.371630	0.017756	0.084274
## 6744	132	9.333984	0.010436	0.161151
## 7496	172	7.775599	0.017073	0.109121
## 11996	25	1.662979	0.014844	0.111000
## 7779	29	7.861634	0.010312	0.098599
## 12257	134	3.530282	0.016583	0.122831
## 22119	40	15.557673	0.016297	0.071328
## 7874	63	12.333719	0.023265	0.095933
## 10756	29	14.587785	0.003464	0.195151
## 2771	25	20.701410	0.018061	0.110250
## 22295	55	2.670619	0.018239	0.101989
## 10366	30	10.502351	0.015270	0.116042
## 15451	117	7.687585	0.020144	0.116613
## 8772	29	2.510440	0.014159	0.064332
## 7072	117	3.412644	0.010344	0.088889
## 19382	54	10.498322	0.005038	0.135417
## 9246	51	20.589025	0.015107	0.072059
## 20258	54	3.125492	0.007480	0.122106
## 18853	1004	9.318563	0.016621	0.127350
## 19887	71	4.672991	0.013725	0.079357
## 13580	38	2.783256	0.023759	0.083964
## 13024	90	21.040932	0.009394	0.119826
## 16633	73	8.559118	0.023520	0.075856
## 1434	114	2.713299	0.017501	0.108580
## 1674	231	2.557937	0.014499	0.107468
## 4884	34	10.464068	0.017956	0.065074
## 6869	131	6.424942	0.010303	0.134995
## 10152	29	2.740103	0.018396	0.076616
## 10388	37	19.604401	0.021142	0.142990
## 12459	112	5.171669	0.003799	0.087416
## 12376	46	14.099469	0.010429	0.098166
## 8310	37	6.478615	0.008323	0.127449
## 10251	219	21.128111	0.016364	0.110531
## 16186	25	30.896822	0.019590	0.044000
## 10353	27	16.244320	0.012552	0.097917
## 2138	129	9.599022	0.019302	0.097359
## 16030	71	5.126762	0.017106	0.096083
## 20574	99	13.451926	0.020492	0.081913
## 12862	50	5.131226	0.016676	0.125625
## 626	44	11.933102	0.017915	0.113991
## 9509	34	23.276186	0.011074	0.118474
## 15719	71	29.942228	0.014739	0.108891

## 18230	25	19.666739	0.019079	0.062000
## 7856	83	8.831254	0.016964	0.102334
## 17361	41	7.858100	0.013459	0.092302
## 4502	131	10.463223	0.009309	0.114098
## 11910	113	6.549902	0.005316	0.185675
## 6382	26	7.976423	0.008230	0.103365
## 11049	25	20.561440	0.012502	0.112125
## 20523	25	19.350548	0.018477	0.094750
## 13584	28	15.494588	0.020321	0.092188
## 17087	285	6.580337	0.016847	0.115132
## 5397	30	4.764640	0.015655	0.135000
## 22127	236	10.086720	0.012773	0.103668
## 12324	25	5.451234	0.011441	0.052250
## 21441	104	9.390423	0.017079	0.168269
## 2165	96	7.145457	0.024662	0.071842
## 5905	703	7.873902	0.016415	0.133210
## 15241	25	22.625498	0.008173	0.157875
## 18944	41	14.196536	0.015886	0.145579
## 526	66	6.188422	0.019095	0.112027
## 7311	87	8.222880	0.010966	0.130208
## 387	38	10.624346	0.002157	0.112253
## 13518	100	4.747605	0.012180	0.083188
## 20241	183	8.423081	0.009346	0.110246
## 17128	78	4.385472	0.008314	0.084936
## 13434	71	5.686404	0.019715	0.078169
## 7429	107	2.444355	0.011731	0.113259
## 4795	177	6.261117	0.018300	0.121169
## 5715	283	6.685582	0.010382	0.126314
## 18928	73	4.984462	0.015314	0.127825
## 19085	85	15.696937	0.018205	0.129375
## 11072	25	12.637989	0.000954	0.068500
## 11436	82	13.619257	0.013570	0.116006
## 4182	51	1.886452	0.015557	0.111336
## 16771	110	10.039766	0.018931	0.109631
## 9978	53	7.766316	0.012271	0.092453
## 3077	130	9.101088	0.017142	0.112716
## 9941	35	17.317753	0.015839	0.118214
## 14479	113	13.768688	0.016245	0.093446
## 2755	72	8.980755	0.016183	0.116884
## 12807	191	11.142856	0.009754	0.095206
## 6988	26	22.257351	0.024026	0.103846
## 2583	266	5.710510	0.010921	0.180733
## 3445	88	3.218559	0.017542	0.100604
## 1030	37	23.018753	0.013102	0.123986
## 15456	25	13.560747	0.012047	0.069625
## 18530	88	13.939187	0.011239	0.088636
## 10088	213	27.394104	0.015591	0.120114
## 3247	641	3.413347	0.014162	0.138997
## 7140	358	14.849540	0.014786	0.145138
## 15584	25	24.121401	0.020384	0.047000
## 12608	37	14.390168	0.016428	0.094341
## 13205	339	8.020906	0.020836	0.125516
## 13808	25	25.110512	0.020262	0.098375
## 15133	25	6.935360	0.016873	0.103125

## 20628	27	19.199095	0.017414 0.113310
## 7393	57	22.062424	0.021206 0.181414
## 12275	27	6.625214	0.012954 0.071412
## 10378	25	6.383549	0.016387 0.039000
## 15199	38	6.296801	0.009968 0.135773
## 13136	25	55.662876	0.020885 0.084125
## 21707	217	6.214743	0.013400 0.146832
## 11329	37	20.623018	0.019427 0.137922
## 7272	32	2.006621	0.005237 0.173340
## 21140	41	16.341948	0.014776 0.102058
## 13779	26	16.862974	0.005379 0.091106
## 19246	256	13.293990	0.013760 0.150562
## 15964	33	1.982712	0.016045 0.072348
## 16823	121	1.627352	0.015935 0.108755
## 4387	27	3.191487	0.015095 0.100116
## 10570	46	10.727323	0.021683 0.143003
## 858	44	18.061338	0.022289 0.052628
## 2296	165	2.552252	0.018143 0.116572
## 17594	31	20.179781	0.011094 0.101210
## 9789	32	8.478802	0.012216 0.086230
## 9190	43	12.662391	0.014826 0.081613
## 12610	130	9.173567	0.018944 0.085240
## 21836	25	15.145507	0.021337 0.090000
## 19083	27	44.908348	0.017135 0.118171
## 16645	60	2.587953	0.010456 0.125260
## 18239	26	11.244683	0.017043 0.098558
## 20754	25	42.635731	0.015681 0.097000
## 15977	26	31.063852	0.012130 0.112861
## 532	25	14.563690	0.012921 0.049000
## 9375	106	16.156698	0.022244 0.108756
## 17230	132	24.517822	0.019029 0.102533
## 10234	80	11.257595	0.009943 0.075508
## 13192	33	4.461567	0.019619 0.115057
## 9906	25	8.594705	0.019773 0.132500
## 19282	88	13.077686	0.012693 0.127770
## 531	47	4.611831	0.016233 0.056582
## 1847	38	26.756231	0.021630 0.080757
## 2012	227	3.853956	0.013613 0.124078
## 3147	45	4.631743	0.014542 0.108472
## 21046	25	54.557194	0.015585 0.074750
## 22369	327	10.026009	0.014757 0.175076
## 11923	213	9.301937	0.010474 0.088043
## 3986	225	2.634212	0.018491 0.110792
## 3645	84	9.097667	0.014852 0.115923
## 17275	25	39.634384	0.011931 0.074500
## 4057	47	7.145824	0.015381 0.075864
## 4050	50	6.454528	0.019049 0.080688
## 4701	95	13.222523	0.002522 0.082204
## 7154	512	12.897621	0.012513 0.148999
## 6201	36	16.694359	0.001723 0.045573
## 12248	25	10.307394	0.017700 0.090000
## 9158	570	4.811780	0.011064 0.096014
## 4248	62	2.703366	0.018641 0.086089
## 8675	150	15.626412	0.018436 0.179396

## 18269	56	13.444214	0.022343	0.117132
## 10427	34	21.678802	0.010695	0.171415
## 15663	70	4.147679	0.006575	0.102946
## 13764	93	19.310022	0.015511	0.127050
## 4213	132	2.720222	0.017571	0.083073
## 17802	36	10.181235	0.015433	0.079167
## 19111	39	17.178185	0.021260	0.086939
## 6860	25	28.315496	0.016206	0.061875
## 18596	133	12.492422	0.015736	0.107989
## 8972	238	7.979846	0.015884	0.131775
## 1043	148	4.861665	0.015627	0.133066
## 12316	32	7.896864	0.017339	0.055664
## 14036	166	27.947224	0.011372	0.096386
## 1156	103	4.779863	0.015824	0.140231
## 13223	128	23.456581	0.018416	0.146362
## 17285	59	21.010239	0.013882	0.093061
## 14686	192	12.036538	0.014034	0.088802
## 7356	68	8.693302	0.023620	0.096783
## 8211	183	13.728629	0.017738	0.084802
## 7740	51	29.333269	0.019560	0.084375
## 13534	104	6.070694	0.013690	0.128456
## 17681	25	16.547306	0.017742	0.080375
## 11997	25	20.401335	0.011535	0.086750
## 20264	32	8.432281	0.025387	0.102148
## 22497	25	8.765050	0.015735	0.110875
## 16094	27	16.126797	0.010640	0.090509
## 10389	25	31.410444	0.013085	0.088500
## 3996	469	2.455527	0.015161	0.122815
## 3753	80	10.608028	0.018175	0.098047
## 5533	82	7.085518	0.016266	0.119245
## 4570	134	11.825465	0.015401	0.152635
## 8156	138	3.729355	0.007429	0.138610
## 13035	26	22.762220	0.009473	0.027284
## 4286	25	20.217907	0.016115	0.082000
## 16109	81	11.257789	0.017684	0.132909
## 10275	25	16.307039	0.017228	0.070750
## 6675	104	18.625862	0.014742	0.130288
## 19444	41	16.134430	0.017716	0.116768
## 20064	27	14.371733	0.018529	0.060069
## 5245	604	7.107158	0.013757	0.138871
## 18713	67	13.356422	0.015550	0.119310
## 8101	37	8.335085	0.017324	0.076689
## 3202	186	2.831543	0.012290	0.120615
## 9760	68	8.494126	0.010401	0.101287
## 9904	33	12.235900	0.018470	0.102273
## 9845	50	11.947375	0.023084	0.105750
## 17078	84	9.287454	0.009905	0.181734
## 16752	58	15.133534	0.008607	0.085991
## 16041	53	3.397801	0.021205	0.097052
## 18097	32	7.964876	0.013459	0.107031
## 7008	80	10.893456	0.005518	0.135781
## 4952	95	11.642287	0.014130	0.112993
## 2417	83	0.604357	0.020738	0.071047
## 17309	25	16.142876	0.006627	0.099250

## 19188	37	36.740936	0.018906	0.120355
## 3597	58	2.446798	0.021511	0.101994
## 13592	48	7.142130	0.018436	0.140169
## 9236	38	1.325325	0.016424	0.098355
## 5387	124	9.320130	0.010670	0.106956
## 444	25	5.742432	0.009983	0.085750
## 19870	92	22.184458	0.021262	0.157711
## 4495	59	3.533267	0.010396	0.072934
## 13103	77	5.564255	0.017598	0.123661
## 12420	59	21.442507	0.022381	0.115784
## 12001	37	8.342129	0.012695	0.101605
## 5609	64	6.642137	0.015632	0.072266
## 12485	25	17.043879	0.014863	0.069125
## 2275	38	6.306210	0.017146	0.095477
## 1328	106	9.090986	0.022646	0.091509
## 1623	116	7.832000	0.011303	0.133809
## 14239	45	14.061755	0.015648	0.091528
## 9549	42	20.690304	0.010545	0.110417
## 16179	124	1.619827	0.014540	0.107359
## 10909	58	16.742598	0.000080	0.061045
## 5523	25	37.470814	0.010552	0.111500
## 3203	116	2.301569	0.011094	0.102101
## 11808	25	12.753948	0.021573	0.169750
## 13847	25	41.338345	0.017886	0.107625
## 21999	146	6.798184	0.026213	0.101477
## 17402	80	12.719670	0.018401	0.110352
## 2327	75	26.728600	0.013926	0.145833
## 14111	60	5.150016	0.005711	0.195885
## 3712	197	1.781509	0.018615	0.116577
## 5718	149	11.630705	0.021131	0.125797
## 909	121	4.258324	0.016211	0.183419
## 18431	323	8.548553	0.018586	0.144611
## 5026	177	5.918819	0.015651	0.066490
## 20977	29	14.721398	0.020185	0.107651
## 11969	228	3.581799	0.006729	0.105332
## 18444	225	4.047215	0.015474	0.122264
## 2971	66	5.247995	0.013702	0.126989
## 18141	64	15.149494	0.018680	0.053564
## 13426	51	17.709061	0.019482	0.118076
## 6971	86	6.204148	0.011823	0.097129
## 17512	38	9.242565	0.009137	0.087089
## 13227	347	7.442496	0.011072	0.115022
## 579	67	3.126897	0.006439	0.131903
## 10837	111	10.461386	0.015226	0.064189
## 14509	224	14.095616	0.014807	0.091085
## 14025	303	13.365430	0.014320	0.146266
## 7636	53	8.203990	0.007118	0.111380
## 22373	31	22.104464	0.016319	0.136996
## 13514	59	32.529400	0.010096	0.139778
## 5772	55	7.020167	0.025329	0.100966
## 14693	34	3.767198	0.014021	0.136673
## 16520	60	2.824370	0.015189	0.130417
## 2201	322	1.770793	0.017486	0.084705
## 2577	110	1.932648	0.010141	0.091563

## 15790	32	7.097423	0.011255 0.084375
## 776	49	1.955970	0.023621 0.086798
## 13964	25	23.733841	0.015724 0.119750
## 4556	55	2.684694	0.013315 0.068068
## 3406	249	1.749404	0.017554 0.101067
## 19698	226	6.621366	0.017240 0.124087
## 2547	194	4.585431	0.014741 0.114578
## 11089	735	6.051719	0.013486 0.146267
## 2107	552	2.923264	0.014563 0.107784
## 1668	25	10.969565	0.011413 0.111625
## 9927	326	14.003058	0.022930 0.116948
## 4496	73	5.800799	0.013214 0.090497
## 9404	100	12.296335	0.013213 0.112937
## 9173	29	32.075569	0.019366 0.079418
## 3410	1513	1.750026	0.018357 0.101731
## 6091	36	23.147579	0.025023 0.113889
## 16188	25	17.400909	0.012935 0.086625
## 20927	45	27.705902	0.021174 0.089097
## 19725	43	8.314603	0.019241 0.090552
## 7340	38	41.418400	0.007781 0.088322
## 3952	25	11.131991	0.019560 0.078625
## 1420	403	2.836581	0.019030 0.103265
## 505	25	11.920532	0.016723 0.089500
## 7750	32	11.537802	0.017713 0.089746
## 5522	30	19.058262	0.018563 0.148125
## 8061	262	7.522618	0.022760 0.156835
## 11007	96	14.717820	0.008445 0.132487
## 1178	27	2.823204	0.029151 0.081134
## 9613	26	24.386189	0.017739 0.159255
## 11366	30	7.179530	0.011959 0.073229
## 21874	42	9.322838	0.023650 0.095536
## 3990	291	2.611210	0.018179 0.110513
## 8478	29	52.728848	0.016131 0.095474
## 6627	27	20.478025	0.008466 0.056366
## 5797	62	11.740029	0.017042 0.135282
## 15069	34	14.273986	0.019659 0.080699
## 12565	25	18.490211	0.018517 0.046750
## 3690	80	3.034480	0.019877 0.116797
## 15252	45	29.373585	0.027681 0.032222
## 15026	38	9.147814	0.018551 0.126974
## 2992	720	2.581269	0.011137 0.149774
## 15752	25	10.071829	0.000543 0.104875
## 15	25	10.141559	0.008935 0.077500
## 7873	39	12.792277	0.019669 0.091506
## 14953	63	3.606717	0.018271 0.103323
## 1320	44	6.660454	0.013189 0.149219
## 1464	64	15.948902	0.019619 0.097168
## 4279	42	13.158397	0.015697 0.100074
## 4758	109	15.582354	0.011125 0.119123
## 10700	177	6.480030	0.017823 0.062765
## 20077	25	53.821934	0.014091 0.066625
## 423	166	6.067369	0.009630 0.122967
## 1477	29	2.939790	0.017958 0.103664
## 17048	47	8.587645	0.008972 0.112035

## 12679	210	4.092271	0.014996 0.103557
## 16270	226	21.739481	0.016683 0.089159
## 15086	25	9.868217	0.024072 0.077375
## 16679	27	8.723685	0.008468 0.133565
## 8150	37	10.904875	0.012518 0.110895
## 9635	71	5.689267	0.016398 0.112720
## 21648	36	11.435554	0.017025 0.130990
## 22290	55	6.029880	0.005779 0.126250
## 5000	116	17.250418	0.017964 0.074434
## 12099	108	18.165094	0.016750 0.162471
## 16331	26	11.644486	0.015868 0.123197
## 16572	25	12.715126	0.012456 0.054125
## 6851	41	21.649132	0.019364 0.053430
## 1029	34	31.940523	0.013180 0.130239
## 20439	62	9.793878	0.015839 0.102167
## 20072	61	7.685007	0.007670 0.096619
## 14241	29	17.230864	0.014886 0.074461
## 5097	144	7.107175	0.020143 0.092947
## 15160	25	15.671362	0.016452 0.063250
## 13576	31	2.022966	0.016405 0.112903
## 2947	99	2.444366	0.013206 0.140404
## 21384	25	25.308792	0.021755 0.115375
## 1347	268	6.653199	0.011030 0.120989
## 10149	129	10.099412	0.015837 0.089026
## 5626	3286	6.064637	0.015589 0.126145
## 3414	126	1.934126	0.015620 0.119519
## 8794	148	1.976476	0.023544 0.107538
## 20932	25	49.708984	0.019288 0.059750
## 5173	26	8.461758	0.017103 0.094832
## 21541	31	31.554125	0.009888 0.065323
## 2170	72	14.200910	0.020577 0.090842
## 15975	25	26.591877	0.015935 0.056750
## 6780	48	4.785754	0.007111 0.106055
## 18234	35	19.658731	0.016006 0.082321
## 2953	28	1.782577	0.011047 0.096429
## 106	95	7.674469	0.014984 0.110592
## 10011	1881	7.372758	0.014879 0.147041
## 8785	25	6.647308	0.008946 0.028375
## 19181	31	11.464046	0.015408 0.118145
## 600	25	27.942122	0.014814 0.099375
## 15735	247	3.167182	0.008930 0.132831
## 18572	29	11.706649	0.013077 0.167026
## 21452	160	8.455712	0.014605 0.082363
## 1266	445	4.049395	0.016804 0.134115
## 14304	140	12.754837	0.021336 0.101272
## 352	91	18.281614	0.019663 0.076854
## 12937	38	22.898155	0.000035 0.087582
## 21890	71	10.818369	0.021957 0.112588
## 11336	28	8.514822	0.019176 0.087835
## 9939	145	19.184393	0.012143 0.151078
## 4769	347	4.958744	0.020351 0.091976
## 13987	248	20.417875	0.017579 0.121195
## 11514	97	2.470958	0.018393 0.118009
## 14968	25	35.134853	0.020290 0.035750

## 11741	379	8.788991	0.013591 0.135043
## 21665	49	7.280285	0.021503 0.158291
## 1560	267	3.946081	0.014428 0.248443
## 10591	95	4.129571	0.027497 0.084572
## 16677	37	9.052691	0.002631 0.035304
## 9410	76	12.655749	0.009369 0.104811
## 18345	37	12.286970	0.020166 0.106334
## 12293	66	14.585801	0.012307 0.123248
## 4149	414	3.808595	0.018061 0.092482
## 6846	36	8.241191	0.013506 0.097917
## 8978	520	5.259132	0.014990 0.135318
## 20936	36	41.559456	0.016958 0.076562
## 16857	25	18.049442	0.022468 0.136625
## 6290	25	17.890610	0.011286 0.083375
## 3750	34	3.060991	0.016277 0.097151
## 11749	277	6.394258	0.017457 0.157186
## 19576	77	8.522463	0.015392 0.126542
## 12809	296	27.093046	0.011790 0.086075
## 9662	31	14.413175	0.018552 0.112702
## 2070	41	14.658941	0.027770 0.046951
## 12678	294	15.821614	0.018067 0.077923
## 13184	44	14.538587	0.021216 0.116122
## 11363	65	6.047474	0.013647 0.109904
## 16791	25	5.812555	0.009754 0.086000
## 12987	37	11.714941	0.018164 0.077111
## 5573	36	18.554865	0.016417 0.158160
## 21614	46	2.542041	0.019144 0.112364
## 12368	286	8.894978	0.005538 0.157463
## 11708	589	13.610591	0.016119 0.125589
## 3466	55	12.477357	0.017993 0.106932
## 2167	88	1.853864	0.019344 0.094922
## 11297	30	10.952662	0.013985 0.093438
## 1571	80	7.710855	0.016809 0.125781
## 13197	25	42.712418	0.017989 0.102375
## 20142	25	20.888277	0.016531 0.128875
## 9500	25	15.592804	0.016026 0.141125
## 4575	72	7.448019	0.020249 0.090799
## 12766	55	3.610511	0.021467 0.051136
## 15221	39	18.062885	0.012162 0.121234
## 7254	74	10.724174	0.024499 0.117863
## 4393	27	6.099267	0.020557 0.079398
## 19170	32	17.513124	0.013545 0.129688
## 12920	25	2.093562	0.021216 0.113125
## 20206	38	26.934174	0.016304 0.219408
## 19853	1176	7.847123	0.016680 0.126435
## 3598	122	2.705571	0.015331 0.089011
## 8359	59	3.599366	0.010140 0.090201
## 13572	60	16.388891	0.019542 0.131250
## 18011	80	7.433645	0.017105 0.105859
## 733	93	13.236965	0.018602 0.080007
## 7117	92	4.058107	0.022451 0.110326
## 15934	67	17.390703	0.012643 0.075280
## 20288	890	8.857809	0.016932 0.125657
## 10702	50	5.607078	0.015110 0.079750

## 21426	42	14.913378	0.006085	0.158482
## 14078	261	5.548027	0.012836	0.119265
## 14126	27	14.081124	0.020387	0.079861
## 8432	97	5.545428	0.018323	0.169555
## 10978	46	20.555893	0.018617	0.096128
## 5771	46	2.591614	0.021535	0.090014
## 9041	34	2.581023	0.014999	0.069026
## 20107	67	13.792288	0.020159	0.121502
## 22254	37	5.541760	0.003391	0.135811
## 13968	32	12.629316	0.017675	0.103906
## 10805	25	11.604772	0.020395	0.047250
## 7247	32	29.114765	0.010729	0.124609
## 21899	106	7.205147	0.015591	0.111586
## 2806	241	4.677423	0.013865	0.123989
## 1413	225	11.050275	0.015851	0.130319
## 5089	25	35.214684	0.020993	0.059500
## 22240	62	6.309252	0.014534	0.073034
## 11303	39	18.270149	0.012684	0.183093
## 11198	61	7.778893	0.015091	0.085809
## 13785	65	28.623535	0.021402	0.071923
## 11843	80	7.425959	0.019107	0.102969
## 21290	177	11.297083	0.007293	0.069439
## 1362	63	1.993046	0.019247	0.092361
## 4207	95	2.825445	0.018086	0.078257
## 20826	82	34.714016	0.020177	0.133689
## 20123	36	11.425056	0.011035	0.163368
## 19572	88	10.437766	0.021310	0.128267
## 18012	121	6.221863	0.025473	0.072831
## 18748	60	36.332985	0.016462	0.122344
## 3874	25	16.278896	0.014560	0.120000
## 551	36	15.961548	0.016942	0.078125
## 21616	38	2.861505	0.017976	0.099671
## 10578	38	13.023254	0.018451	0.073273
## 10008	315	8.907800	0.017635	0.148462
## 13631	25	26.086329	0.019018	0.102000
## 19744	25	27.014761	0.016419	0.094750
## 12149	28	26.545004	0.019029	0.143750
## 5176	46	8.050138	0.019361	0.113791
## 14658	26	32.893215	0.008133	0.078005
## 17662	25	4.583384	0.007722	0.086000
## 5276	32	21.312332	0.003505	0.101367
## 11627	153	7.595305	0.016266	0.172855
## 9737	150	6.265305	0.020915	0.097375
## 21396	32	6.453700	0.020314	0.132129
## 19212	66	10.564664	0.019232	0.084943
## 18098	25	13.456113	0.012058	0.153125
## 3105	53	4.608968	0.017879	0.097052
## 20475	67	16.512587	0.017825	0.141325
## 14496	25	39.211872	0.008732	0.114750
## 13089	985	6.455930	0.014203	0.115270
## 20836	46	2.609870	0.020956	0.102038
## 18693	31	2.129854	0.015352	0.085685
## 1285	73	2.402129	0.019363	0.075171
## 8234	147	24.506683	0.015442	0.118537

## 1618	258	2.548842	0.013547 0.175751
## 1713	97	2.659492	0.015543 0.108151
## 17349	58	10.021637	0.017826 0.056142
## 1159	100	3.945331	0.015332 0.148719
## 9187	178	13.477687	0.015183 0.105407
## 8963	211	9.659241	0.015354 0.147068
## 3741	93	2.864963	0.018202 0.101311
## 15394	34	2.620763	0.013607 0.135110
## 10608	104	13.672915	0.012945 0.129567
## 21588	32	43.107780	0.013398 0.103418
## 18306	208	5.889914	0.018821 0.125751
## 12063	45	15.812973	0.007900 0.224931
## 9691	94	3.721273	0.020350 0.126164
## 8180	25	5.917655	0.013533 0.092750
## 4394	26	1.996197	0.016020 0.076442
## 8170	41	17.695391	0.013673 0.140777
## 5633	181	12.821933	0.011091 0.101554
## 3531	61	12.504695	0.017943 0.080686
## 19980	114	10.291256	0.014476 0.184402
## 5074	25	17.964157	0.012170 0.081375
## 19116	25	36.221645	0.006825 0.083625
## 18603	430	16.145885	0.015758 0.145044
## 14289	55	2.013588	0.013919 0.089489
## 8941	148	11.284029	0.012420 0.126985
## 12992	31	5.583616	0.021547 0.133367
## 12298	123	3.842222	0.016158 0.093318
## 8784	27	6.260136	0.008699 0.093981
## 12592	25	14.526340	0.013928 0.109875
## 7277	83	6.207164	0.007561 0.108660
## 19277	29	6.482637	0.011787 0.120690
## 11375	130	1.717065	0.017908 0.112356
## 19497	25	28.144855	0.024303 0.086875
## 12722	42	5.968448	0.013479 0.063021
## 17716	25	25.367661	0.001706 0.044250
## 13883	74	24.250786	0.018261 0.098606
## 2243	25	14.301767	0.019431 0.079375
## 11207	43	17.101625	0.012320 0.115552
## 15780	55	7.470983	0.017937 0.099659
## 3588	25	1.984915	0.011729 0.068750
## 3259	119	3.989081	0.016862 0.095404
## 13498	150	8.180486	0.011536 0.113250
## 13072	762	7.336658	0.016564 0.135199
## 14789	29	2.028007	0.015822 0.090841
## 4637	57	14.783177	0.016872 0.076316
## 10337	117	7.826653	0.018610 0.117495
## 13231	25	15.035267	0.008950 0.163875
## 6143	202	7.173065	0.018584 0.108060
## 296	55	17.895325	0.019445 0.112841
## 16315	193	6.005685	0.017435 0.103676
## 7785	25	8.372972	0.013397 0.103750
## 5106	49	4.778096	0.017102 0.047385
## 1281	35	3.217470	0.017389 0.117054
## 6200	25	8.483653	0.001616 0.033000
## 11292	25	23.508015	0.018204 0.087750

## 13049	28	11.373826	0.008093 0.128906
## 2750	223	5.431146	0.020463 0.097996
## 2019	42	6.475696	0.016015 0.112351
## 15912	59	4.942059	0.017517 0.098888
## 16103	159	18.659878	0.018167 0.128852
## 11271	934	7.758638	0.017370 0.146577
## 9786	25	25.368052	0.013156 0.106875
## 1691	129	2.715704	0.012942 0.113348
## 25	223	6.592492	0.008290 0.142489
## 1310	30	24.672495	0.019539 0.080417
## 4023	139	4.612093	0.018625 0.096380
## 19762	38	19.323645	0.007384 0.091776
## 16815	94	16.594114	0.015531 0.105319
## 21497	25	21.014786	0.013102 0.149250
## 5515	34	11.155703	0.030647 0.080515
## 6416	38	5.822778	0.007518 0.093421
## 10749	61	2.849642	0.004599 0.098514
## 21937	374	8.918425	0.018595 0.131868
## 18873	26	12.682235	0.013794 0.125962
## 15109	42	1.320295	0.018580 0.111830
## 14684	26	25.101265	0.018446 0.124880
## 5293	36	3.099037	0.015917 0.064062
## 10642	63	5.032767	0.019846 0.107292
## 5990	139	4.945581	0.010604 0.123112
## 2131	61	5.974256	0.018804 0.110246
## 7364	25	32.449062	0.013767 0.106250
## 13972	25	33.840073	0.017671 0.093750
## 16546	28	11.875222	0.016540 0.057589
## 14171	412	4.372864	0.012347 0.099613
## 12537	40	18.437866	0.012770 0.142812
## 761	69	3.371027	0.020497 0.093659
## 1137	351	2.371870	0.016492 0.132283
## 14368	36	17.822329	0.013910 0.135069
## 13385	28	15.490989	0.018375 0.097321
## 11822	38	2.428434	0.003202 0.106086
## 19203	31	14.980736	0.016440 0.114819
## 1498	103	3.151054	0.016221 0.118325
## 6817	61	6.363750	0.019033 0.107326
## 16105	28	16.374228	0.015049 0.119308
## 15134	64	3.626888	0.018860 0.087158
## 22133	30	4.795982	0.017102 0.098958
## 21608	60	17.151581	0.019125 0.074167
## 1507	789	3.463658	0.017452 0.105240
## 2882	98	4.287737	0.016788 0.121779
## 4998	66	5.830395	0.015034 0.084091
## 21034	25	49.030827	0.007586 0.088375
## 15318	29	8.545952	0.019515 0.069181
## 19973	25	20.865128	0.015364 0.115125
## 21123	34	3.171588	0.017560 0.111949
## 9646	37	12.847592	0.014597 0.070693
## 252	27	10.174491	0.004619 0.045486
## 2849	73	15.143457	0.017245 0.109161
## 18331	33	24.549604	0.016360 0.086932
## 6391	148	3.548099	0.013122 0.118391

## 9926	331	8.704882	0.019840	0.106741
## 1750	25	4.363195	0.017068	0.089250
## 10822	25	8.318435	0.020014	0.123500
## 8097	30	6.147345	0.016505	0.067292
## 9901	34	17.447664	0.019035	0.128401
## 40	25	3.949314	0.018936	0.062625
## 17056	67	17.236797	0.013873	0.141371
## 13770	74	24.414742	0.019825	0.079476
## 6745	145	13.735242	0.010184	0.164440
## 14069	34	33.128498	0.022676	0.091360
## 8750	31	4.839830	0.003938	0.075706
## 5833	179	4.122375	0.017427	0.129923
## 20602	51	8.992505	0.019151	0.110846
## 7374	40	18.142660	0.016850	0.173672
## 685	436	2.558532	0.014855	0.100065
## 16598	37	15.420191	0.015201	0.095693
## 19749	202	6.616334	0.022029	0.102939
## 11377	25	7.181221	0.015719	0.082875
## 15550	90	13.360707	0.024513	0.076389
## 7880	25	23.008345	0.014363	0.096875
## 13762	66	21.643280	0.006782	0.111316
## 16614	65	14.048476	0.016887	0.116827
## 3042	38	3.862844	0.017562	0.100822
## 8280	27	11.277690	0.015577	0.076968
## 9716	25	44.645119	0.018149	0.122125
## 16573	77	4.266553	0.021552	0.074594
## 3302	182	3.997406	0.018656	0.093063
## 609	110	15.020685	0.016117	0.105313
## 9167	76	21.282053	0.016719	0.082072
## 462	43	8.276956	0.015079	0.136265
## 20973	73	4.960206	0.018913	0.128938
## 3016	55	6.247010	0.019696	0.083409
## 22246	34	8.338996	0.013974	0.094026
## 7491	44	10.037225	0.015577	0.068750
## 13502	52	13.371368	0.005485	0.043570
## 9917	25	17.276642	0.016471	0.097875
## 10435	33	11.904334	0.020159	0.069413
## 5140	82	5.860583	0.025948	0.082317
## 12732	28	22.394070	0.022395	0.060491
## 22045	25	27.046267	0.022122	0.098625
## 6722	54	6.857783	0.018067	0.118750
## 11608	46	14.369011	0.015430	0.088655
## 14282	70	18.074032	0.018422	0.133929
## 16363	43	6.237023	0.008257	0.045058
## 16961	41	16.272928	0.017472	0.061890
## 21184	110	9.158858	0.018724	0.090568
## 983	83	1.162973	0.023613	0.084789
## 12027	65	13.446905	0.013483	0.145433
## 1241	109	4.716417	0.014937	0.127494
## 8949	25	30.742033	0.022359	0.095000
## 6857	35	13.852358	0.021210	0.053036
## 17351	25	2.805060	0.016379	0.102875
## 13256	278	12.515571	0.015971	0.135623
## 9234	31	29.695827	0.012191	0.085181

## 13838	35	7.782932	0.020085 0.127321
## 17224	126	12.807736	0.010018 0.110119
## 18142	64	5.581755	0.018837 0.072656
## 15210	70	7.653477	0.020911 0.083795
## 18671	25	49.744686	0.005940 0.082250
## 18138	33	11.828188	0.022611 0.012216
## 2029	96	3.385429	0.018205 0.117513
## 19404	37	19.203138	0.017076 0.069088
## 19043	25	24.990660	0.013460 0.108375
## 12830	25	22.655107	0.009444 0.116000
## 20663	29	32.197823	0.009754 0.103233
## 3993	73	4.911994	0.018033 0.098330
## 1588	453	3.803857	0.013907 0.141060
## 12005	32	11.063399	0.013262 0.092871
## 11173	25	19.815533	0.017026 0.105375
## 13528	84	2.595662	0.012733 0.081734
## 639	168	12.281266	0.016114 0.110324
## 9719	25	31.579468	0.020108 0.090125
## 19969	38	38.729298	0.018309 0.117434
## 20586	26	16.746265	0.017903 0.066346
## 10851	70	10.062097	0.015722 0.063884
## 459	36	10.767630	0.010333 0.165365
## 15859	51	16.737854	0.024860 0.103186
## 17534	91	15.607591	0.019167 0.112569
## 11632	136	10.795967	0.020670 0.166291
## 15278	25	7.094925	0.017705 0.079875
## 16444	29	11.913328	0.019645 0.078233
## 17670	73	2.039583	0.012593 0.075257
## 3773	45	4.524420	0.017630 0.107569
## 14853	25	7.985816	0.018841 0.077875
## 2749	73	11.716333	0.017513 0.102868
## 21941	1436	7.287577	0.015170 0.132390
## 15573	38	4.413082	0.018471 0.096628
## 687	130	2.745100	0.010539 0.093726
## 21216	211	12.597628	0.011316 0.137930
## 2731	552	1.874719	0.015374 0.152055
## 379	25	4.316553	0.003374 0.188625
## 10413	30	7.211288	0.013567 0.091667
## 18680	30	18.594299	0.015418 0.077708
## 10175	25	14.011787	0.004304 0.051500
## 6111	27	7.713138	0.015872 0.063079
## 10007	277	6.278410	0.016492 0.150903
## 1619	59	8.224910	0.016632 0.148570
## 7870	34	17.924562	0.020728 0.078493
## 11636	249	9.716929	0.014003 0.090738
## 5067	38	4.700231	0.017075 0.042845
## 15185	127	4.999893	0.011942 0.104806
## 14380	32	6.353088	0.016694 0.124902
## 6386	25	4.419259	0.016606 0.084125
## 22284	43	0.940674	0.014223 0.065698
## 5960	29	1.673110	0.014622 0.111207
## 21645	58	13.218303	0.019090 0.153179
## 21831	25	26.295948	0.024584 0.110625
## 9699	32	17.822029	0.018088 0.115918

## 1813	199	2.894705	0.017884 0.119394
## 14086	76	2.553122	0.016300 0.090502
## 1728	25	6.444261	0.016500 0.104625
## 19403	75	25.783497	0.018419 0.104917
## 19445	48	7.210248	0.017707 0.113281
## 9860	67	12.781522	0.020583 0.115718
## 20515	323	17.514738	0.013711 0.191931
## 19589	43	11.061844	0.018596 0.103416
## 8480	656	10.100467	0.018870 0.117121
## 7132	101	13.692431	0.010153 0.135705
## 22513	32	6.955264	0.021212 0.136328
## 1809	222	2.390259	0.011188 0.109769
## 11995	32	12.621319	0.009306 0.068652
## 8214	106	6.373355	0.018443 0.110436
## 13478	31	11.551722	0.018320 0.135081
## 19655	172	13.792130	0.014258 0.215134
## 389	211	9.425882	0.011392 0.086063
## 20296	142	8.120645	0.017407 0.114569
## 18497	34	35.910255	0.014890 0.107629
## 2572	96	20.153841	0.011487 0.155111
## 731	90	5.292005	0.018761 0.096389
## 2088	188	9.662837	0.023761 0.063015
## 9199	134	21.130159	0.012085 0.109445
## 14921	28	13.560351	0.011192 0.092299
## 13099	59	35.362701	0.026575 0.110858
## 10667	37	3.729607	0.014268 0.090625
## 11388	25	3.330969	0.022204 0.111750
## 20433	44	9.800096	0.016044 0.161435
## 5662	47	33.690750	0.004529 0.168551
## 3312	46	9.616127	0.016884 0.118818
## 15876	25	14.841316	0.015559 0.116250
## 5881	539	9.625147	0.019731 0.126386
## 877	56	4.487814	0.018772 0.118750
## 14819	72	5.628593	0.013973 0.141927
## 15262	38	12.783410	0.013986 0.100905
## 17874	64	13.034703	0.013725 0.084473
## 20200	26	22.422220	0.016227 0.113101
## 15089	31	22.382401	0.011239 0.108972
## 7811	63	4.691816	0.008002 0.131002
## 11702	30	20.955034	0.015871 0.051979
## 15150	40	6.743927	0.011969 0.069766
## 1125	50	10.659382	0.025768 0.032000
## 21196	113	8.537547	0.016066 0.090763
## 7484	279	5.785374	0.013774 0.103831
## 5492	44	10.733374	0.012155 0.183026
## 15898	37	16.390657	0.007628 0.101014
## 14014	373	4.304668	0.015689 0.107750
## 6074	879	6.702408	0.019003 0.117214
## 18101	574	5.678956	0.018308 0.142607
## 21277	360	7.884544	0.015516 0.104115
## 6455	131	11.947456	0.020829 0.106942
## 289	31	1.931629	0.021456 0.093448
## 1248	89	4.378237	0.017265 0.148806
## 21134	28	5.101089	0.018546 0.091406

## 22053	45	16.762674	0.022189	0.101736
## 7573	6127	7.045992	0.018478	0.133509
## 21296	53	12.657743	0.009877	0.095165
## 15484	49	7.465656	0.013172	0.070599
## 20557	124	4.376724	0.015259	0.130040
## 7761	157	6.116993	0.007886	0.073129
## 5457	124	3.448312	0.020830	0.082535
## 14849	33	10.968644	0.016824	0.099621
## 15680	34	22.445024	0.019670	0.119577
## 1989	261	6.947671	0.016436	0.107555
## 7195	132	7.536078	0.022195	0.102533
## 19009	25	22.174397	0.016047	0.059375
## 12151	25	36.052624	0.014443	0.106000
## 13318	91	15.496827	0.012709	0.131147
## 1061	233	4.025857	0.014733	0.124396
## 3568	175	3.155539	0.016722	0.090125
## 315	94	3.715498	0.017442	0.126496
## 15726	60	12.456128	0.013406	0.098750
## 10174	52	5.020493	0.010151	0.027644
## 15532	57	2.548017	0.017655	0.070175
## 12192	50	27.065828	0.008812	0.123812
## 9135	78	25.491823	0.019994	0.123598
## 4899	25	28.238569	0.016193	0.058750
## 9050	59	19.164625	0.021288	0.109269
## 20090	55	7.151590	0.016938	0.135966
## 12602	69	9.313542	0.017070	0.110100
## 8469	59	14.897531	0.015659	0.101642
## 10518	90	10.814514	0.012861	0.071111
## 5965	47	12.848051	0.014253	0.069548
## 18851	25	40.465363	0.007913	0.124375
## 12836	54	11.525652	0.014755	0.087153
## 1063	197	1.743693	0.014642	0.117624
## 14383	33	4.271234	0.018518	0.108239
## 17500	27	10.942708	0.018124	0.087037
## 5314	40	19.272583	0.012107	0.219687
## 9370	77	10.057437	0.018452	0.120049
## 584	33	12.049068	0.019509	0.069981
## 9241	57	9.509607	0.017065	0.085910
## 7627	83	8.607469	0.012595	0.105986
## 20093	66	10.953140	0.016507	0.100758
## 11458	25	35.258675	0.014073	0.197250
## 9207	56	17.101307	0.017470	0.078516
## 6490	62	19.403908	0.015630	0.156200
## 7019	361	16.120909	0.014220	0.111868
## 11599	44	13.602352	0.002829	0.076705
## 6370	50	2.598200	0.016703	0.058625
## 1938	25	24.023186	0.019828	0.078250
## 2559	81	9.705453	0.014440	0.113387
## 15168	35	6.187119	0.013479	0.084196
## 13657	37	12.666677	0.008382	0.090709
## 9954	190	12.123884	0.016985	0.119572
## 20434	82	27.396740	0.016353	0.070808
## 3717	158	4.254766	0.015958	0.124466
## 13936	94	3.742103	0.021800	0.139162

## 13353	32	42.548111	0.019434	0.072559
## 20862	62	13.345911	0.012644	0.138407
## 4711	37	14.034056	0.023423	0.064527
## 8160	38	14.840938	0.006008	0.154276
## 18038	211	6.903871	0.012803	0.127829
## 12624	33	7.046722	0.012472	0.078977
## 11040	26	24.508488	0.010624	0.151322
## 12134	50	29.355190	0.012821	0.110875
## 10170	373	3.149137	0.017421	0.135925
## 4754	27	10.397912	0.009660	0.098380
## 17423	60	12.593068	0.014816	0.087865
## 9568	25	10.475803	0.013917	0.079250
## 8241	1138	17.484974	0.015651	0.140979
## 20067	25	36.175568	0.016026	0.068000
## 4756	39	2.083679	0.007829	0.099038
## 2601	25	19.186077	0.022764	0.104625
## 16953	28	18.211481	0.020418	0.063839
## 3322	27	4.809320	0.012355	0.057639
## 8383	25	5.785829	0.014511	0.111375
## 1333	65	0.423767	0.016447	0.077740
## 21276	74	8.822796	0.017972	0.108826
## 5525	59	12.705782	0.017063	0.086811
## 11414	61	8.545541	0.020047	0.114959
## 11481	29	1.971079	0.008324	0.079849
## 16805	77	4.118321	0.014532	0.085836
## 11637	111	13.263284	0.013950	0.092427
## 1486	238	1.630554	0.016931	0.097151
## 13823	67	17.081610	0.016000	0.144356
## 11650	110	12.852904	0.014423	0.071477
## 9554	25	19.458712	0.010098	0.084250
## 1372	361	1.736393	0.016274	0.109539
## 13862	25	9.242019	0.006410	0.251500
## 6417	39	6.276943	0.012672	0.080128
## 14465	44	30.667656	0.014074	0.099006
## 14814	66	10.098974	0.023918	0.153835
## 17815	90	21.926479	0.020961	0.104063
## 2594	46	18.342178	0.014951	0.104144
## 7995	73	3.457471	0.011429	0.149615
## 6175	30	3.432408	0.017139	0.064896
## 10079	754	8.929310	0.015175	0.149689
## 15523	226	20.820595	0.014856	0.143626
## 12865	51	8.964827	0.015562	0.110968
## 8135	25	7.820633	0.012782	0.067750
## 16878	25	12.255475	0.015904	0.113125
## 5756	30	18.678539	0.018045	0.077083
## 8607	39	12.756196	0.022624	0.051683
## 3319	52	1.632994	0.010040	0.093750
## 2129	42	8.800942	0.017781	0.132217
## 6616	44	18.649860	0.020463	0.077699
## 11403	56	9.070106	0.017909	0.110324
## 4016	197	6.789119	0.017332	0.090800
## 13014	50	2.031352	0.015448	0.132500
## 7221	27	7.043891	0.009900	0.103472
## 525	73	7.468648	0.016156	0.108519

## 22075	150	5.662152	0.028459	0.093542
## 16676	28	19.432636	0.005900	0.055469
## 14611	93	28.414349	0.015570	0.142036
## 9591	40	15.456471	0.022482	0.092891
## 941	43	4.396280	0.020135	0.093677
## 4196	295	3.761025	0.016111	0.114057
## 19792	50	11.839697	0.018456	0.104250
## 17868	37	4.608267	0.014587	0.071368
## 18162	63	16.772871	0.021885	0.120734
## 684	401	4.300651	0.016057	0.128990
## 17415	71	26.147282	0.017587	0.097623
## 15396	45	0.794534	0.012688	0.120764
## 5484	42	4.174506	0.011510	0.154092
## 13132	31	26.469784	0.018972	0.085484
## 8355	28	3.010035	0.010144	0.090625
## 18523	134	16.952929	0.012584	0.073181
## 222	39	11.768056	0.024317	0.081410
## 22370	32	22.995127	0.013283	0.152246
## 15578	76	5.984354	0.027222	0.050370
## 968	38	12.283728	0.021047	0.089145
## 4914	116	20.647066	0.016418	0.079337
## 4185	126	2.198109	0.011592	0.140600
## 3432	318	3.134994	0.017157	0.101140
## 7317	47	3.590837	0.013876	0.080652
## 10075	172	9.339994	0.018419	0.150672
## 6653	32	5.264310	0.007464	0.094141
## 14692	88	1.767102	0.016873	0.091868
## 21354	46	2.700127	0.018936	0.125408
## 7028	262	11.143635	0.019075	0.129831
## 16854	36	15.404301	0.003348	0.079948
## 9735	55	7.747722	0.020118	0.101875
## 19865	30	17.893160	0.014188	0.122708
## 6139	173	8.282083	0.019636	0.102421
## 2381	113	7.332991	0.016701	0.105199
## 11439	27	15.822770	0.018782	0.091898
## 837	45	4.462875	0.018297	0.068889
## 15268	38	2.677709	0.014537	0.107484
## 17870	160	14.710924	0.007354	0.113398
## 2473	180	10.198459	0.015374	0.129323
## 18829	77	11.203596	0.020892	0.113474
## 16973	61	17.392117	0.007976	0.101230
## 13351	73	25.732708	0.013095	0.085830
## 20579	32	42.795406	0.008024	0.088770
## 3700	92	1.810148	0.016056	0.104959
## 19110	74	24.358454	0.017916	0.079730
## 2064	73	17.562773	0.020162	0.094906
## 1020	75	27.069738	0.019045	0.130792
## 17313	53	11.317209	0.008075	0.100590
## 13504	93	7.001636	0.014923	0.095396
## 10165	28	7.107102	0.018522	0.098996
## 21128	55	7.239413	0.019212	0.083636
## 4925	148	7.858953	0.019076	0.119721
## 11335	86	3.231294	0.015086	0.106940
## 696	34	22.583714	0.013798	0.096507

## 10103	29	21.386751	0.013607	0.157543
## 4334	264	3.715429	0.016019	0.135855
## 19787	31	2.284552	0.013566	0.109677
## 7763	28	6.016774	0.009175	0.081027
## 3725	171	3.872631	0.018075	0.101243
## 14219	25	35.483002	0.021930	0.079625
## 555	34	11.042745	0.010964	0.072243
## 4315	61	2.243200	0.016366	0.108760
## 9407	103	22.260056	0.013255	0.119508
## 5171	182	11.355901	0.015544	0.117806
## 2522	28	12.531116	0.017750	0.064174
## 5671	25	32.025616	0.011894	0.085125
## 283	25	58.518951	0.017420	0.117500
## 7812	38	22.510920	0.010163	0.119984
## 12868	415	23.237123	0.015904	0.116792
## 5889	903	6.947270	0.018873	0.133462
## 4264	52	7.292601	0.018435	0.083654
## 18111	488	5.838325	0.018107	0.103138
## 21671	32	18.547266	0.017313	0.121875
## 6244	139	15.806811	0.012228	0.109083
## 5750	37	12.835179	0.020259	0.077280
## 18877	25	63.689957	0.013946	0.061500
## 5024	69	12.860258	0.009429	0.080344
## 615	57	9.966216	0.026128	0.076096
## 2818	43	10.493151	0.005258	0.091061
## 4357	404	2.811855	0.017357	0.126539
## 491	39	5.777782	0.008821	0.124038
## 14475	188	7.654966	0.012559	0.103341
## 3902	42	13.245259	0.016092	0.099479
## 9794	75	7.210991	0.013221	0.093667
## 8598	35	8.710444	0.015408	0.109196
## 10066	574	8.217965	0.018823	0.161014
## 9969	76	6.943729	0.014693	0.142928
## 11521	25	17.227724	0.018718	0.088125
## 8216	157	6.697003	0.019843	0.136803
## 3556	114	2.968684	0.017192	0.106826
## 13113	140	13.226993	0.019546	0.081987
## 14031	70	9.429242	0.016283	0.121562
## 7932	25	43.480980	0.012988	0.165000
## 2361	39	18.540800	0.014568	0.075962
## 3317	89	3.826919	0.021702	0.077598
## 19732	25	16.573092	0.011581	0.114375
## 2127	84	8.763540	0.014637	0.103460
## 4650	25	25.975374	0.012194	0.049500
## 22057	104	10.680346	0.023455	0.095553
## 5810	101	15.781158	0.020934	0.124288
## 13885	32	41.909290	0.017055	0.068555
## 10952	292	13.213022	0.017183	0.132673
## 12473	37	4.419284	0.026060	0.052703
## 151	28	15.375857	0.013851	0.129129
## 4743	73	5.887169	0.018646	0.071019
## 17180	25	11.830632	0.023568	0.094250
## 1859	139	7.668272	0.016997	0.104047
## 3787	110	14.881262	0.016326	0.101989

## 11850	31	11.564981	0.013489 0.076109
## 9584	25	27.408157	0.016802 0.091125
## 13237	56	7.577617	0.016277 0.106362
## 2120	34	12.357833	0.012006 0.160386
## 4242	122	7.366768	0.017602 0.143648
## 20634	36	18.355587	0.018398 0.114236
## 19221	41	16.365765	0.016386 0.096799
## 6477	25	51.498501	0.024117 0.099875
## 12002	62	1.637513	0.014324 0.104335
## 19752	93	8.058302	0.020614 0.086862
## 8550	29	13.919786	0.018130 0.066487
## 1879	95	11.113189	0.020218 0.131875
## 8819	207	7.876474	0.013314 0.086051
## 4702	180	18.759184	0.016269 0.113212
## 11607	28	9.125688	0.014698 0.101562
## 15667	51	3.638121	0.000204 0.061213
## 8666	25	30.184528	0.015401 0.110500
## 207	99	25.850391	0.016579 0.114205
## 11418	115	3.259326	0.015071 0.131766
## 15642	177	5.988614	0.017951 0.063383
## 20828	25	57.953476	0.015380 0.128250
## 14471	113	41.331902	0.011922 0.116455
## 15778	64	6.906216	0.016343 0.114209
## 11638	25	28.832792	0.010339 0.050750
## 11217	66	18.313763	0.015685 0.119034
## 13797	60	6.697526	0.019681 0.133802
## 16502	29	8.747050	0.021034 0.092780
## 10864	25	27.683523	0.007831 0.117250
## 18792	25	23.329529	0.019714 0.135000
## 9077	32	18.130331	0.017680 0.136426
## 5038	25	15.894475	0.016001 0.123500
## 7929	25	12.954617	0.003419 0.105500
## 16096	82	13.791639	0.013007 0.110785
## 8614	424	13.036286	0.017781 0.109648
## 5323	517	18.251577	0.016766 0.110789
## 5549	118	10.183255	0.018706 0.119677
## 15587	56	33.472858	0.024050 0.071429
## 2825	69	3.280383	0.013766 0.099819
## 4814	40	19.518894	0.012889 0.049219
## 3003	45	8.623581	0.018729 0.083750
## 18469	2226	8.279862	0.018277 0.156319
## 2171	29	3.038797	0.017409 0.092888
## 11242	992	8.465792	0.017412 0.147476
## 14393	60	17.958057	0.018365 0.133906
## 231	81	4.300940	0.023643 0.106289
## 15619	25	33.362194	0.013962 0.108500
## 21727	106	11.012606	0.010772 0.105719
## 21205	57	12.132426	0.012518 0.097862
## 211	32	19.324392	0.011978 0.137988
## 8381	31	5.657905	0.011571 0.070363
## 7292	32	21.696686	0.009536 0.089258
## 19441	25	24.013638	0.021524 0.096375
## 12811	95	11.892447	0.014402 0.125329
## 21617	50	11.972527	0.020006 0.080875

## 10512	26	1.694554	0.014322 0.061418
## 9290	66	10.950436	0.020069 0.101941
## 4988	37	14.903139	0.014617 0.081081
## 13807	104	9.580433	0.022134 0.099880
## 9203	476	9.031411	0.016601 0.112428
## 5195	25	21.317389	0.014738 0.122750
## 5719	114	13.490382	0.014843 0.109512
## 8809	138	2.579324	0.013539 0.086549
## 15972	86	17.277349	0.018741 0.081141
## 14865	80	8.731426	0.014460 0.117109
## 3244	40	4.095765	0.007419 0.126172
## 4022	267	4.186735	0.018292 0.087652
## 20750	25	42.936691	0.003634 0.104750
## 22337	28	4.697364	0.019296 0.127679
## 8708	45	3.848608	0.010989 0.093403
## 14413	134	12.362906	0.016238 0.118540
## 22084	113	7.839969	0.027514 0.080891
## 10724	59	22.292303	0.022562 0.106621
## 21105	26	8.638387	0.016717 0.107452
## 16243	25	16.129433	0.013574 0.074125
## 16649	34	7.337193	0.018638 0.054963
## 6384	37	10.109686	0.011801 0.101605
## 4572	185	5.881549	0.016359 0.146689
## 632	90	3.788616	0.017307 0.111840
## 9832	82	34.627651	0.010655 0.092645
## 2147	25	7.431622	0.018241 0.081750
## 9053	57	9.815483	0.019060 0.138925
## 4770	25	28.120445	0.020692 0.117000
## 17888	26	17.335243	0.019319 0.111538
## 11539	34	13.468047	0.021136 0.139430
## 7185	49	13.032849	0.020193 0.106888
## 20101	49	9.181414	0.015773 0.109439
## 17239	86	24.571424	0.010999 0.111664
## 19796	28	5.196473	0.012925 0.121763
## 6420	130	1.975201	0.018199 0.095409
## 18625	548	9.475043	0.013936 0.132259
## 3503	73	13.181567	0.019579 0.099358
## 840	41	14.777755	0.015000 0.074009
## 13583	59	18.896629	0.021671 0.092479
## 17002	168	6.343600	0.014403 0.118136
## 18634	1261	7.742774	0.015933 0.133664
## 19567	31	5.797916	0.011220 0.110282
## 18701	28	15.618348	0.014670 0.117857
## 3655	52	2.212821	0.013016 0.108053
## 21165	178	15.718493	0.013501 0.141714
## 1200	25	32.707253	0.019548 0.077625
## 16308	59	24.775023	0.012244 0.075000
## 17580	131	15.826326	0.014327 0.113860
## 103	25	8.535550	0.011453 0.118875
## 7022	641	12.207646	0.016973 0.132991
## 1660	140	3.688937	0.013666 0.199799
## 11345	197	4.594721	0.013209 0.140197
## 8765	27	15.052382	0.013598 0.100000
## 4053	39	26.598473	0.019590 0.106490

## 18798	142	15.339036	0.026148 0.154379
## 11840	43	7.486357	0.018850 0.103561
## 16442	25	16.026125	0.013871 0.090625
## 6228	34	10.833096	0.012495 0.092555
## 7868	30	4.053926	0.015666 0.086146
## 11795	29	4.427128	0.005143 0.097091
## 20260	35	10.739537	0.004372 0.140804
## 2944	102	2.724336	0.012150 0.123376
## 980	37	23.328733	0.013711 0.100000
## 11674	154	4.049447	0.015106 0.141883
## 17715	36	15.453659	0.001848 0.032986
## 1634	222	5.006616	0.015445 0.123635
## 10286	25	21.255831	0.014354 0.084875
## 1579	438	3.730403	0.012837 0.125335
## 7968	108	13.280308	0.013884 0.137384
## 12169	35	26.278534	0.020010 0.152321
## 21596	25	36.252430	0.015504 0.068625
## 10354	42	7.765127	0.010899 0.094271
## 13058	139	9.754362	0.021774 0.127248
## 9229	483	12.896064	0.020315 0.112940
## 13694	29	1.518663	0.018920 0.122629
## 22218	498	9.930289	0.013853 0.182712
## 21038	36	41.448875	0.021216 0.072743
## 15384	129	4.009011	0.013324 0.163614
## 5064	25	9.079306	0.018551 0.115625
## 6002	54	4.378243	0.010526 0.101100
## 12512	25	13.210560	0.014679 0.072000
## 14121	123	6.379523	0.008216 0.097561
## 11529	54	4.452096	0.017877 0.103009
## 18722	25	10.976470	0.010870 0.124250
## 16090	163	4.036327	0.015715 0.077876
## 18437	1221	8.831085	0.015695 0.147144
## 4032	174	2.769921	0.015529 0.099389
## 16248	25	11.416841	0.012218 0.109250
## 14822	25	16.376928	0.009361 0.110250
## 1900	147	2.562952	0.018320 0.101020
## 10857	25	6.468725	0.015431 0.080250
## 5985	166	6.067369	0.009630 0.122967
## 2510	88	8.268417	0.017111 0.110760
## 15682	49	15.391328	0.017712 0.111607
## 8468	25	28.211226	0.013616 0.122125
## 20054	139	12.944658	0.026770 0.090130
## 8012	73	23.648121	0.018170 0.171404
## 6661	172	15.440009	0.012173 0.129978
## 11149	30	14.694300	0.014951 0.097708
## 11181	30	15.880145	0.020077 0.102813
## 5733	96	5.578532	0.020905 0.061458
## 10505	60	6.743741	0.017925 0.050052
## 16841	29	6.500591	0.016758 0.087500
## 18717	27	23.938578	0.014822 0.123611
## 17826	42	16.780941	0.011760 0.121354
## 21698	89	9.175367	0.017382 0.100176
## 8089	67	5.463085	0.015927 0.114739
## 11655	50	10.364642	0.015024 0.100000

## 1121	49	4.946298	0.021211	0.062181
## 9604	41	18.380278	0.014511	0.102363
## 20277	165	8.158255	0.019460	0.129053
## 11130	222	3.966660	0.017013	0.135529
## 17432	25	16.558805	0.007325	0.079625
## 21956	25	36.513195	0.012521	0.105750
## 4404	25	2.808249	0.015925	0.098000
## 22499	54	15.432652	0.024487	0.097917
## 18632	156	10.713408	0.016594	0.169411
## 19563	149	11.358599	0.016652	0.122903
## 18911	46	2.568790	0.017652	0.107269
## 11200	25	25.536646	0.008840	0.088750
## 17446	107	3.406802	0.017184	0.119743
## 5003	39	17.274439	0.017296	0.100481
## 4960	63	5.024958	0.017383	0.092312
## 14214	106	13.888040	0.023785	0.052152
## 22395	245	7.354344	0.015927	0.162998
## 9681	48	7.416784	0.020089	0.112109
## 813	488	3.122842	0.013611	0.132006
## 10711	41	14.831985	0.021334	0.056098
## 14444	26	28.206169	0.010295	0.074519
## 892	61	7.299788	0.017165	0.098566
## 6449	27	18.658140	0.014587	0.114005
## 12291	25	13.481063	0.012123	0.092375
## 20083	60	17.290731	0.017894	0.108698
## 19627	27	23.853493	0.023245	0.089236
## 11662	34	11.766420	0.010156	0.034375
## 7645	111	7.769366	0.005223	0.118975
## 1096	55	11.922295	0.018303	0.080341
## 10951	310	9.247536	0.015841	0.118478
## 21479	25	30.435955	0.007558	0.127750
## 1918	25	26.800133	0.016304	0.138500
## 5114	227	7.641556	0.014834	0.147467
## 14621	78	5.679856	0.011263	0.087220
## 13866	55	8.043216	0.021326	0.092841
## 16919	50	6.770231	0.015953	0.101625
## 1489	63	5.120950	0.015609	0.104712
## 3505	46	2.293439	0.017065	0.077106
## 6804	678	10.318572	0.017341	0.124645
## 2557	419	4.355210	0.017295	0.107801
## 18988	121	18.026705	0.016238	0.131043
## 3496	25	4.371028	0.020708	0.078750
## 12620	73	5.958929	0.017676	0.072731
## 21880	213	14.897522	0.014321	0.099237
## 17183	25	8.538434	0.023222	0.073875
## 10207	56	9.544652	0.014036	0.126283
## 6294	858	6.786051	0.018186	0.140053
## 3156	177	4.689846	0.020751	0.105826
## 20849	41	16.286434	0.016749	0.154497
## 1725	27	22.738670	0.016620	0.086227
## 13054	99	17.461020	0.018500	0.099337
## 598	25	13.839760	0.016806	0.084500
## 22359	136	16.544083	0.014612	0.166774
## 15162	29	12.108167	0.018154	0.081142

## 14181	58	16.940426	0.015797 0.128718
## 6610	68	10.572105	0.020037 0.104044
## 6365	95	6.431675	0.012443 0.120000
## 15439	53	6.782242	0.014241 0.183726
## 5928	29	0.800934	0.017127 0.087285
## 7281	25	27.615757	0.015054 0.066625
## 22384	31	22.371134	0.012915 0.114012
## 8047	108	14.252349	0.021912 0.156221
## 12132	25	24.080950	0.019187 0.101000
## 5669	46	14.224929	0.003198 0.161617
## 21861	25	24.220488	0.023080 0.072750
## 3329	51	7.089159	0.015854 0.096875
## 8009	91	24.474752	0.011656 0.152438
## 7838	53	1.474061	0.016086 0.074764
## 10246	25	12.535247	0.010849 0.131500
## 21800	127	11.495018	0.016462 0.128912
## 12384	148	7.716519	0.015692 0.085684
## 11756	66	10.653790	0.013984 0.138542
## 13254	104	14.609083	0.015945 0.122236
## 7748	124	5.096262	0.020447 0.105141
## 22432	315	3.990564	0.024500 0.115982
## 6010	25	16.790251	0.013219 0.042375
## 9993	96	13.837319	0.017749 0.057259
## 14614	86	13.435532	0.013574 0.095131
## 15992	25	15.339899	0.016484 0.070000
## 9736	25	2.619174	0.015987 0.089375
## 17001	30	2.879382	0.011615 0.073021
## 9092	26	7.488793	0.018270 0.104087
## 20933	33	20.188482	0.022180 0.067708
## 14294	39	6.148893	0.017075 0.070673
## 19618	27	36.496563	0.008267 0.077778
## 17278	37	26.000324	0.014037 0.094932
## 20134	26	14.109110	0.019502 0.089663
## 13953	32	6.484706	0.018238 0.133691
## 1360	260	1.900536	0.018705 0.119712
## 455	31	5.203419	0.011995 0.130242
## 6997	72	6.412390	0.021793 0.108550
## 13128	36	41.982754	0.020374 0.080208
## 10858	105	8.029963	0.019772 0.120089
## 17335	25	24.758379	0.014073 0.153000
## 21545	94	29.780376	0.014097 0.109209
## 19467	44	13.904492	0.012489 0.169318
## 20957	55	7.252549	0.019698 0.091648
## 8347	25	11.465309	0.006900 0.058000
## 2972	105	2.853703	0.012323 0.145446
## 1254	72	3.869747	0.012608 0.130556
## 10376	33	1.135337	0.021831 0.058807
## 660	25	7.588703	0.013993 0.087750
## 14720	32	17.966013	0.017703 0.078027
## 21039	26	16.787622	0.018770 0.061659
## 30	56	11.849564	0.007103 0.130134
## 1149	98	5.039291	0.017946 0.109024
## 6096	37	5.901266	0.010308 0.202872
## 17101	25	22.180275	0.001652 0.049125

## 7965	25	31.164217	0.022273 0.112625
## 19281	75	10.566297	0.012245 0.098125
## 15258	159	16.537941	0.018432 0.138640
## 10631	25	30.569572	0.017230 0.070000
## 11096	592	6.836441	0.018065 0.162447
## 14220	25	41.729599	0.014800 0.060000
## 2936	95	3.376012	0.017402 0.123849
## 2994	212	2.407722	0.015555 0.121005
## 2804	60	10.906932	0.017261 0.088646
## 683	106	9.827531	0.008265 0.096521
## 11957	71	5.382900	0.002813 0.216945
## 19961	32	6.487076	0.015927 0.105371
## 3766	78	2.832120	0.016502 0.105489
## 16962	35	8.332421	0.026177 0.108750
## 9582	37	19.063128	0.028887 0.100676
## 22004	111	4.970885	0.025922 0.110614
## 14920	49	6.864897	0.014506 0.087245
## 14136	30	18.526945	0.018221 0.084792
## 13603	67	16.618143	0.018855 0.146129
## 5384	86	12.014111	0.016484 0.103525
## 14451	100	10.975337	0.011873 0.114313
## 12419	83	14.928396	0.016260 0.088630
## 16156	78	2.260193	0.014385 0.057973
## 1549	25	11.489862	0.014352 0.148625
## 1959	44	10.366672	0.012123 0.129758
## 6093	119	9.486464	0.027664 0.084034
## 16981	226	20.918837	0.018989 0.084734
## 4314	120	7.819936	0.018099 0.110417
## 8253	256	15.913401	0.014919 0.179993
## 22159	95	6.253462	0.015534 0.088553
## 9775	78	33.639332	0.017492 0.083053
## 1917	40	7.063899	0.018081 0.142188
## 7520	173	7.856550	0.023356 0.106105
## 11916	42	27.628834	0.011623 0.083557
## 3359	84	9.080974	0.017073 0.060565
## 3113	55	3.811542	0.017059 0.117727
## 7642	35	17.313812	0.002147 0.091250
## 19783	60	17.061047	0.016020 0.142917
## 22521	139	6.269245	0.002546 0.089209
## 8391	45	3.177668	0.010115 0.075556
## 3197	175	2.914449	0.015919 0.129661
## 16408	150	7.014830	0.023577 0.081312
## 9720	33	16.922661	0.016788 0.123580
## 20219	247	7.637144	0.008161 0.104428
## 19323	36	26.433287	0.009336 0.057465
## 17638	223	6.167044	0.011429 0.133604
## 19177	101	12.213566	0.019666 0.124907
## 9238	100	4.647410	0.017804 0.080594
## 14804	25	44.904903	0.014596 0.083000
## 11348	25	8.714800	0.015595 0.072500
## 13307	108	9.732526	0.012861 0.133507
## 8917	540	9.199161	0.016440 0.119109
## 17837	25	12.474814	0.015177 0.098875
## 20187	178	15.976418	0.016506 0.146454

## 16606	25	1.948736	0.017779 0.106000
## 19802	41	15.795012	0.015080 0.122561
## 4996	60	8.681503	0.016116 0.069323
## 14244	26	31.439907	0.013810 0.069111
## 10327	50	3.065941	0.021778 0.127250
## 13100	47	22.537216	0.022157 0.111769
## 1177	25	8.319180	0.011089 0.076125
## 1402	188	4.461342	0.014760 0.131034
## 2310	103	2.584469	0.015170 0.121814
## 2447	68	7.948979	0.018780 0.108824
## 10583	74	8.501355	0.018546 0.058615
## 11158	25	12.570493	0.015179 0.135500
## 16566	94	3.005872	0.015782 0.096210
## 14829	225	3.449670	0.013138 0.120694
## 9434	218	20.947662	0.018949 0.072147
## 9834	25	59.120270	0.023942 0.064125
## 14169	25	27.210363	0.011725 0.081750
## 3864	29	17.360994	0.015879 0.074677
## 16482	46	4.623646	0.015177 0.146943
## 14934	94	1.749479	0.008443 0.128956
## 8222	25	24.977861	0.014020 0.162875
## 1161	70	2.983173	0.016304 0.125268
## 9358	25	34.954544	0.018503 0.087500
## 11046	36	4.735142	0.017144 0.118576
## 14145	25	38.232811	0.008705 0.063250
## 8918	63	8.063531	0.016407 0.111607
## 12825	59	4.141656	0.014848 0.092002
## 3246	179	2.676438	0.012390 0.150349
## 18796	224	11.208848	0.020200 0.140165
## 1391	131	2.489447	0.016333 0.100453
## 2378	62	10.498549	0.027895 0.031048
## 8287	28	5.706350	0.011891 0.099219
## 16696	43	3.339550	0.003881 0.086555
## 6549	86	8.135013	0.012795 0.099891
## 13854	118	9.012550	0.020341 0.129317
## 10639	39	3.010175	0.023284 0.075481
## 18291	1181	8.879132	0.018633 0.104800
## 20130	32	6.989577	0.019180 0.136914
## 14582	91	9.187491	0.007477 0.105941
## 11081	871	7.163300	0.017898 0.136488
## 1488	361	1.699825	0.016402 0.105912
## 3046	33	3.492916	0.020669 0.113636
## 18483	34	17.808424	0.018143 0.127665
## 7371	151	16.054304	0.013747 0.158273
## 15724	63	9.812658	0.010493 0.087798
## 1729	25	11.399206	0.013887 0.079875
## 6666	181	13.651177	0.015631 0.124085
## 9997	105	14.985695	0.017243 0.145179
## 13983	103	25.804688	0.021979 0.121632
## 7564	26	29.953047	0.001796 0.078125
## 1119	44	10.902746	0.022022 0.057599
## 19648	29	21.342787	0.009295 0.107866
## 18818	250	7.737228	0.010125 0.112050
## 7656	38	15.666634	0.012939 0.066118

## 11793	33	8.850013	0.007077 0.083617
## 5121	129	6.686651	0.019096 0.134448
## 12239	31	20.818001	0.014552 0.084173
## 19236	25	18.681940	0.016442 0.164250
## 7178	26	21.525747	0.018243 0.075841
## 13401	27	23.523592	0.016907 0.096759
## 11009	33	3.696263	0.011512 0.139678
## 17050	25	8.275123	0.008772 0.097125
## 16266	67	20.063377	0.019502 0.065718
## 12606	34	10.155452	0.014508 0.110110
## 15088	25	18.861792	0.019783 0.114750
## 4310	74	1.584569	0.017948 0.087458
## 3267	183	3.812976	0.017111 0.096482
## 14318	37	12.386853	0.020050 0.065963
## 19521	93	25.304905	0.015303 0.167944
## 16207	57	11.243140	0.003308 0.048575
## 13302	752	9.842417	0.018135 0.142844
## 8128	101	6.557995	0.013105 0.125155
## 12091	45	9.865114	0.012200 0.115000
## 1714	126	1.514131	0.012566 0.106622
## 15443	53	8.154696	0.006868 0.061851
## 14209	338	9.267077	0.023940 0.077626
## 2984	273	4.014472	0.011247 0.155678
## 8912	81	21.904070	0.007548 0.118094
## 17806	52	18.647154	0.012491 0.085397
## 14481	143	7.596519	0.014640 0.118794
## 15671	133	8.298699	0.021812 0.135338
## 10539	27	8.570366	0.016166 0.087847
## 2457	25	21.165491	0.024922 0.077500
## 17801	37	6.368146	0.018448 0.062669
## 8323	99	9.211372	0.021460 0.139047
## 21250	38	24.287554	0.015462 0.086842
## 4389	25	13.189837	0.016576 0.112375
## 4564	51	14.641822	0.012457 0.142770
## 16122	79	4.923506	0.010052 0.202650
## 589	25	20.796448	0.019830 0.070500
## 10877	37	19.016682	0.011777 0.096959
## 12917	25	3.296882	0.020026 0.108625
## 9166	79	6.177974	0.023565 0.052097
## 3951	34	12.341935	0.004777 0.114246
## 12431	186	5.976704	0.017035 0.149731
## 13258	183	17.731085	0.014915 0.143169
## 10216	65	8.306193	0.021684 0.075962
## 11986	38	17.329124	0.010811 0.108553
## 8957	1847	8.117448	0.016620 0.133515
## 22138	26	3.701426	0.016076 0.124399
## 10252	27	16.262884	0.017639 0.102546
## 19840	61	10.519141	0.017795 0.128176
## 581	25	11.959332	0.026332 0.058500
## 2358	134	2.595639	0.018179 0.096875
## 5210	27	19.016226	0.012224 0.079977
## 18069	94	7.500419	0.022332 0.104488
## 19899	36	42.200825	0.010834 0.085764
## 409	50	12.979942	0.016605 0.174312

## 8990	428	13.603617	0.010459 0.164866
## 13321	128	4.900549	0.017775 0.131519
## 7436	25	4.620337	0.008793 0.135375
## 2422	39	8.713992	0.019344 0.073878
## 14770	131	16.293581	0.011085 0.115625
## 7621	30	5.966272	0.019830 0.090625
## 6623	33	13.518550	0.024098 0.084470
## 8752	36	11.272279	0.009682 0.130295
## 145	74	23.188828	0.014236 0.126647
## 22259	25	4.496510	0.010633 0.097125
## 15899	127	4.372663	0.012308 0.095177
## 18397	38	17.477306	0.015287 0.093503
## 995	501	3.616960	0.016572 0.111190
## 17936	299	5.351986	0.016913 0.128313
## 2701	30	2.992071	0.014654 0.167917
## 12615	37	4.374240	0.017505 0.058024
## 14117	94	19.232985	0.020080 0.080585
## 4771	34	23.917149	0.016316 0.084651
## 17901	189	7.015842	0.023010 0.121693
## 20185	49	8.585860	0.012039 0.111416
## 10350	40	40.247429	0.015615 0.131484
## 20714	156	17.112143	0.015562 0.110597
## 2489	136	8.412582	0.017380 0.102528
## 2627	51	7.639033	0.017501 0.072855
## 12441	211	3.983707	0.019423 0.120838
## 8215	143	14.538849	0.024056 0.114795
## 21507	310	10.030517	0.024077 0.153518
## 15159	27	14.603461	0.014945 0.091898
## 13864	64	7.337395	0.019740 0.104590
## 21677	38	8.745728	0.018379 0.106661
## 2295	125	15.128000	0.023238 0.094900
## 19151	41	16.328876	0.016454 0.145274
## 8100	27	2.337308	0.016562 0.071759
## 1620	83	3.255484	0.013341 0.150452
## 5670	57	13.975902	0.012310 0.105044
## 10356	45	28.539434	0.016739 0.099792
## 21164	256	12.910735	0.013786 0.150476
## 17689	27	18.215752	0.005878 0.087037
## 98	54	7.971874	0.001804 0.035243
## 8962	665	8.097754	0.016325 0.139624
## 14868	42	21.025417	0.018163 0.061682
## 19126	28	53.025249	0.015045 0.067746
## 1716	191	1.628849	0.015313 0.105579
## 818	25	24.606447	0.007881 0.085125
## 11105	205	9.561714	0.015074 0.138430
## 1289	132	6.070594	0.019882 0.071023
## 14252	25	13.968951	0.019319 0.097500
## 1059	54	21.515541	0.012349 0.152546
## 15811	122	1.229930	0.013848 0.119826
## 19724	25	12.448186	0.014973 0.102125
## 20280	1626	8.238653	0.015180 0.130439
## 5394	25	4.904174	0.000675 0.041500
## 17459	25	22.291237	0.014660 0.109000
## 16992	164	12.281974	0.020803 0.062309

## 4708	41	25.937521	0.022424 0.065625
## 13410	58	13.031754	0.020418 0.137392
## 22531	35	0.880372	0.012227 0.109732
## 15789	64	4.598237	0.013638 0.096143
## 934	45	4.467829	0.022732 0.090694
## 11453	34	20.888840	0.009949 0.224357
## 2007	198	8.086935	0.014375 0.137753
## 9473	55	7.052397	0.016686 0.126875
## 6329	223	4.866669	0.012385 0.114210
## 5018	62	3.380460	0.016179 0.094304
## 12197	35	10.948705	0.022887 0.070179
## 14388	25	43.399166	0.016547 0.111875
## 21528	101	12.317603	0.010716 0.090161
## 3364	25	25.057751	0.010557 0.104000
## 12576	25	25.934425	0.019597 0.069375
## 9976	166	27.984152	0.013333 0.095614
## 3368	79	5.016255	0.017225 0.109810
## 9507	38	23.455563	0.017149 0.115049
## 8127	30	13.265379	0.009817 0.104479
## 10681	30	12.789780	0.022435 0.044792
## 9206	53	17.973267	0.013080 0.126828
## 8312	249	3.546118	0.008909 0.109739
## 9467	31	14.748494	0.021122 0.113306
## 15400	45	12.957000	0.020941 0.125694
## 14842	27	1.375724	0.016016 0.139931
## 20364	1618	7.456880	0.016478 0.146064
## 2678	114	2.901276	0.012893 0.138076
## 3040	28	5.872523	0.016044 0.096429
## 2039	25	14.321151	0.009712 0.089375
## 7684	71	10.058023	0.016405 0.139217
## 9297	62	4.602041	0.015700 0.106653
## 12471	36	2.454247	0.014358 0.074392
## 12776	36	10.647579	0.016598 0.046962
## 22321	29	2.550358	0.020809 0.068534
## 288	51	8.011135	0.011494 0.084375
## 1925	25	27.830742	0.013433 0.096250
## 3528	46	8.788393	0.013989 0.122758
## 15732	75	12.664043	0.008948 0.133958
## 14995	106	10.157693	0.007491 0.194015
## 1176	26	1.748982	0.013068 0.124880
## 6145	593	7.342794	0.016972 0.150717
## 11689	44	17.233057	0.013132 0.118324
## 8060	25	41.324146	0.015122 0.130750
## 14066	397	18.012739	0.016385 0.094088
## 14947	25	9.673504	0.014137 0.078750
## 11343	25	9.387817	0.020716 0.066625
## 22480	28	6.632189	0.024255 0.082254
## 8417	107	5.102635	0.022609 0.092348
## 11877	25	8.323940	0.014861 0.085000
## 984	59	14.322745	0.019442 0.093644
## 21968	25	25.803223	0.013153 0.095625
## 10592	109	5.327932	0.027451 0.089192
## 19375	100	13.083694	0.005568 0.082375
## 4347	216	3.471337	0.016826 0.124624

## 11172	30	3.517931	0.022733 0.120313
## 4663	46	14.090806	0.017496 0.051834
## 1493	36	8.361652	0.020471 0.106597
## 19491	25	8.472578	0.018101 0.109500
## 17186	34	1.828822	0.016549 0.102298
## 15230	43	6.331790	0.021539 0.101672
## 8328	32	6.363503	0.013636 0.094922
## 12857	25	30.592060	0.016108 0.056750
## 1262	946	5.594465	0.016696 0.147589
## 3398	25	18.045254	0.022737 0.069000
## 11247	39	16.759502	0.016103 0.110417
## 12567	31	5.876410	0.021067 0.054234
## 1314	43	11.311540	0.018381 0.116715
## 7908	66	19.970924	0.018086 0.080256
## 18886	25	27.883486	0.017481 0.057250
## 3831	766	3.239003	0.018695 0.099396
## 15943	42	17.897936	0.015735 0.088244
## 18915	66	10.832581	0.013848 0.117093
## 6024	2092	6.589985	0.020179 0.152777
## 20878	32	6.501420	0.019994 0.112109
## 4693	25	19.168028	0.011931 0.092875
## 20394	25	27.137058	0.018738 0.107500
## 3513	61	2.726524	0.018932 0.098770
## 4019	319	3.837636	0.017513 0.086501
## 2334	62	11.387850	0.018404 0.127016
## 7727	40	32.116127	0.018643 0.111172
## 12035	80	8.525200	0.021059 0.087031
## 8481	37	34.402153	0.016229 0.101774
## 4681	72	7.114567	0.014813 0.137153
## 20655	37	39.379150	0.017867 0.114358
## 7669	25	15.579891	0.010678 0.131375
## 3558	95	2.309221	0.014368 0.118914
## 22360	643	17.641621	0.015541 0.174980
## 17066	76	9.131202	0.017113 0.089885
## 4355	236	3.133571	0.017078 0.136719
## 13670	25	56.933990	0.017880 0.101750
## 7554	73	16.196747	0.011918 0.050856
## 19722	63	4.636231	0.021909 0.114881
## 14449	118	3.543137	0.013177 0.144200
## 18485	57	7.133964	0.022010 0.113432
## 10792	164	13.039522	0.007672 0.110023
## 9984	43	23.979836	0.016236 0.071221
## 18353	25	8.766891	0.010608 0.148125
## 3662	51	6.818153	0.024047 0.103922
## 797	109	2.242995	0.017098 0.105247
## 9776	108	16.925516	0.016956 0.086140
## 7686	275	14.506444	0.014743 0.140307
## 8843	62	5.897306	0.013154 0.087097
## 14328	25	21.114870	0.016871 0.096000
## 19400	99	12.665411	0.020401 0.161616
## 14906	42	7.634217	0.013861 0.143676
## 6335	25	28.793072	0.014080 0.118625
## 2884	96	10.023986	0.014215 0.133594
## 10064	43	30.245850	0.020948 0.136192

## 20221	78	5.984638	0.011113	0.091587
## 8114	38	7.803224	0.010048	0.089145
## 5886	64	6.171086	0.021830	0.110254
## 20687	25	27.295666	0.014804	0.141875
## 11612	40	1.825052	0.017629	0.084063
## 15834	47	34.782547	0.003629	0.097806
## 8851	35	2.795496	0.006550	0.084286
## 14300	116	4.849847	0.017510	0.086800
## 2042	90	1.853424	0.016966	0.108090
## 692	29	23.542219	0.015355	0.081250
## 15529	59	9.123808	0.017147	0.066525
## 18616	25	40.154388	0.008339	0.212000
## 8982	456	10.748343	0.018265	0.168743
## 11144	47	27.132833	0.009811	0.145479
## 12555	25	18.222578	0.019520	0.087125
## 22005	88	7.100429	0.025233	0.101278
## 22456	27	6.325937	0.006218	0.112384
## 8308	38	8.561078	0.011876	0.108882
## 13480	49	18.932882	0.019583	0.126276
## 3346	34	37.002647	0.020168	0.099632
## 22096	36	22.165413	0.020106	0.094097
## 13511	396	18.540859	0.011102	0.113889
## 12101	53	17.730318	0.016879	0.067571
## 11673	136	6.525706	0.014816	0.091613
## 9175	268	16.717268	0.013631	0.105026
## 11663	38	29.523300	0.012661	0.072039
## 2271	34	13.575788	0.016320	0.088879
## 16068	40	17.571995	0.014829	0.096016
## 13850	25	33.740368	0.019658	0.105625
## 3269	53	2.957940	0.020033	0.094340
## 20263	25	19.704039	0.011221	0.131375
## 5356	50	3.814415	0.015837	0.095625
## 671	44	16.923286	0.016648	0.154119
## 13679	55	6.805785	0.017523	0.104318
## 34	182	11.355901	0.015544	0.117806
## 6936	123	2.156482	0.008620	0.145579
## 21830	40	16.056110	0.023869	0.123203
## 10516	64	3.408263	0.014805	0.063623
## 2613	80	7.609711	0.026457	0.048828
## 16902	282	16.787567	0.018565	0.083854
## 12440	293	16.084843	0.020444	0.116873
## 18193	34	10.634651	0.006275	0.099357
## 11126	146	11.606916	0.015554	0.143172
## 8853	25	6.697896	0.008354	0.102250
## 21914	337	5.579368	0.018161	0.133540
## 7706	25	12.717603	0.012209	0.160000
## 14390	49	6.905642	0.019262	0.118240
## 14147	25	23.449757	0.016803	0.067125
## 12462	66	7.196039	0.013168	0.091714
## 13756	233	12.751495	0.012087	0.128594
## 21029	45	27.441694	0.019633	0.090000
## 902	25	19.779154	0.012681	0.208875
## 123	105	10.241037	0.015495	0.159256
## 1829	25	8.899072	0.020728	0.069875

## 15043	53	6.770638	0.025565	0.055955
## 22173	35	3.183158	0.004066	0.064196
## 17338	25	13.392850	0.008548	0.115125
## 11630	37	4.119401	0.019895	0.139443
## 9350	25	8.825081	0.017611	0.082000
## 18931	28	12.724586	0.014814	0.170201
## 6956	42	7.671901	0.018763	0.120759
## 14054	143	7.712361	0.020411	0.096613
## 1870	72	9.050577	0.019855	0.115321
## 19891	74	26.669542	0.017024	0.084459
## 11520	91	14.181016	0.021558	0.098832
## 16208	51	11.060494	0.013454	0.116360
## 9890	51	17.800610	0.020229	0.144363
## 12306	106	3.312717	0.007857	0.103833
## 3776	72	8.887456	0.021120	0.095486
## 17752	25	13.591419	0.012538	0.112375
## 5144	113	11.439361	0.016132	0.100719
## 13181	41	15.681517	0.022053	0.145732
## 4607	25	13.711858	0.015258	0.068000
## 21091	41	16.718769	0.013634	0.108994
## 13853	25	18.960293	0.020302	0.109125
## 4328	74	2.409878	0.018296	0.076478
## 18035	72	10.533840	0.023512	0.079644
## 14197	102	8.509682	0.017840	0.112561
## 3765	49	1.650371	0.017415	0.096620
## 7891	26	22.776480	0.006105	0.065385
## 19198	114	4.949225	0.017280	0.199178
## 14547	36	3.187077	0.017060	0.114757
## 7620	25	13.234929	0.018186	0.091625
## 5845	481	7.001696	0.020010	0.119426
## 8522	50	2.710922	0.007489	0.103500
## 19676	35	10.212036	0.019609	0.090179
## 5202	86	8.470881	0.011588	0.098910
## 9454	25	38.011307	0.010002	0.093125
## 10243	34	0.843767	0.008030	0.113879
## 5169	43	13.690580	0.015155	0.094913
## 11723	46	12.766808	0.014368	0.188519
## 17987	45	11.052078	0.015064	0.102569
## 8635	152	9.561086	0.016100	0.104667
## 9773	25	13.576321	0.013219	0.067375
## 19730	25	12.427390	0.015408	0.097000
## 18449	62	21.061680	0.018498	0.145212
## 7419	55	18.251734	0.020440	0.096705
## 9884	32	6.235767	0.013946	0.156641
## 16971	110	9.923107	0.004162	0.093722
## 7480	47	3.003543	0.008766	0.089561
## 19509	26	17.065748	0.016494	0.188221
## 17579	26	22.093771	0.003928	0.062861
## 4734	42	6.665553	0.014982	0.066518
## 1866	133	19.388521	0.021519	0.119102
## 2060	44	18.557270	0.018894	0.081747
## 5865	1434	5.932578	0.018110	0.109125
## 13459	85	21.623480	0.019134	0.135735
## 562	25	8.483653	0.001616	0.033000

## 1981	538	2.813957	0.012546 0.110508
## 11287	121	1.849007	0.014192 0.152402
## 22190	144	9.478762	0.013152 0.172135
## 7971	25	12.519702	0.020911 0.124500
## 3923	48	4.003687	0.019567 0.076302
## 21953	264	8.467803	0.012077 0.136139
## 14925	25	19.664509	0.011264 0.077250
## 9956	84	14.907692	0.014631 0.117857
## 14554	36	3.676220	0.018091 0.090885
## 3780	43	3.855608	0.018896 0.109302
## 17640	33	2.751675	0.011780 0.132670
## 10279	38	3.796677	0.015068 0.071628
## 21619	59	19.148901	0.020056 0.126748
## 4917	43	12.695914	0.011307 0.068605
## 5412	146	21.002909	0.013806 0.097175
## 17263	77	10.574694	0.021525 0.048823
## 12292	25	15.732102	0.004739 0.080875
## 9835	85	21.576317	0.026078 0.073125
## 1301	25	11.400307	0.017910 0.093250
## 10806	25	8.417209	0.004483 0.099750
## 3297	39	3.344387	0.014393 0.115865
## 8054	31	30.030840	0.022160 0.151915
## 14177	69	13.596231	0.018365 0.105389
## 18661	93	18.155348	0.014203 0.074899
## 7203	529	26.578176	0.011647 0.145032
## 20858	27	23.881792	0.017054 0.094907
## 2237	68	13.502008	0.010406 0.034835
## 7678	32	8.939047	0.020311 0.185156
## 113	25	9.604557	0.021618 0.124375
## 16192	114	13.530935	0.009388 0.111458
## 6513	25	6.810665	0.015354 0.123500
## 11170	36	4.578959	0.018362 0.106684
## 19131	85	21.680023	0.019332 0.136544
## 10782	25	23.434448	0.016720 0.092000
## 16309	26	20.749971	0.012922 0.088341
## 18410	25	9.394107	0.001780 0.033875
## 14326	65	28.363775	0.020110 0.102308
## 14919	45	2.443069	0.020790 0.089306
## 4938	186	2.655434	0.022041 0.076848
## 8557	76	7.715292	0.005649 0.247903
## 17903	187	8.757472	0.013911 0.130465
## 13649	45	22.942600	0.019641 0.077361
## 7246	64	4.654820	0.013177 0.178613
## 5802	58	13.106973	0.021233 0.130711
## 15674	80	3.184549	0.019383 0.122930
## 6690	26	25.975241	0.019367 0.102163
## 7786	64	7.038738	0.014356 0.116895
## 3488	75	1.708407	0.017795 0.150583
## 18071	34	13.769275	0.019899 0.096232
## 17322	108	12.120455	0.015003 0.101939
## 16209	38	2.611125	0.009634 0.084375
## 2393	475	2.629532	0.014705 0.104079
## 6677	125	23.662689	0.015637 0.134325
## 575	946	3.418515	0.012441 0.132733

## 13523	162	6.031484	0.016562 0.104417
## 4529	40	19.441357	0.016402 0.096484
## 3334	37	7.160609	0.011439 0.123564
## 1304	38	6.787163	0.023364 0.068750
## 1810	284	2.619179	0.017623 0.102586
## 16080	69	8.836573	0.013992 0.099592
## 8288	25	6.604878	0.012759 0.078375
## 14026	132	11.146562	0.013252 0.124266
## 10712	65	9.883059	0.017795 0.077500
## 10800	40	10.492444	0.011075 0.074219
## 17950	36	18.603359	0.014411 0.120313
## 19886	25	61.419247	0.019979 0.033500
## 1863	110	14.892742	0.018633 0.105824
## 14875	57	3.666606	0.016894 0.091612
## 13541	70	28.140535	0.025164 0.107768
## 10517	110	3.512734	0.013047 0.086051
## 18132	25	10.461915	0.020284 0.051875
## 16086	37	13.561835	0.017884 0.094341
## 19574	112	16.334888	0.018664 0.120619
## 13772	32	42.235531	0.015947 0.068555
## 8368	79	1.799921	0.019066 0.086274
## 19628	28	26.100733	0.016715 0.094085
## 12906	66	13.552752	0.020565 0.094508
## 18153	53	6.318049	0.015009 0.095401
## 12217	233	7.139765	0.016201 0.113600
## 4160	104	3.060781	0.023105 0.064724
## 17941	312	8.426203	0.012717 0.136038
## 5197	34	3.235500	0.012635 0.166268
## 14246	59	14.289968	0.018019 0.100742
## 10557	163	1.921918	0.016830 0.106480
## 8688	76	6.520817	0.003834 0.216324
## 15514	25	8.242962	0.003405 0.075375
## 1610	145	3.958494	0.014652 0.118211
## 17791	25	20.250586	0.008994 0.103750
## 1985	488	1.517505	0.016349 0.110553
## 856	50	16.561188	0.021477 0.073750
## 17174	50	6.322104	0.004926 0.092875
## 19490	25	25.132647	0.019561 0.124000
## 20522	29	38.867668	0.011411 0.174353
## 22091	68	14.081177	0.017121 0.102757
## 10538	37	28.745876	0.011619 0.141639
## 9677	25	23.885365	0.019985 0.087000
## 6090	25	7.007655	0.009345 0.077250
## 7518	25	10.708767	0.019226 0.116625
## 21558	48	32.202488	0.017373 0.148633
## 12039	25	20.004135	0.009388 0.097125
## 281	82	34.099670	0.022205 0.136852
## 9079	36	11.491678	0.019737 0.119792
## 7946	25	23.043423	0.017287 0.139500
## 6831	26	24.582928	0.012303 0.066587
## 6366	84	1.071570	0.014026 0.120164
## 5554	36	18.690773	0.015120 0.123438
## 1297	25	23.499662	0.015088 0.058375
## 2921	111	24.340851	0.015139 0.121256

## 6355	36	15.945967	0.015056 0.084983
## 13235	102	9.963224	0.012792 0.127635
## 15510	42	7.628469	0.014580 0.132068
## 1916	25	29.084162	0.019397 0.108000
## 9950	103	23.710838	0.018841 0.137712
## 15706	54	20.880568	0.015959 0.098090
## 17191	293	2.627290	0.013300 0.130333
## 3672	99	10.337374	0.023375 0.050379
## 22064	35	13.016684	0.020627 0.131339
## 13102	42	16.108870	0.021915 0.135417
## 16727	25	8.377770	0.010675 0.047750
## 1587	712	5.330626	0.012968 0.150399
## 60	34	3.235500	0.012635 0.166268
## 12356	99	18.207056	0.016772 0.107828
## 17363	44	7.201365	0.016581 0.117045
## 6763	79	14.509644	0.018206 0.078323
## 20207	57	31.226549	0.015104 0.220066
## 11852	25	12.207084	0.013740 0.080625
## 20710	180	15.914207	0.020715 0.122361
## 80	287	3.607022	0.011663 0.154029
## 19139	55	6.801934	0.011286 0.091307
## 1787	48	0.937019	0.019240 0.076888
## 6823	111	9.801028	0.021453 0.080096
## 22507	100	14.506952	0.000490 0.075906
## 19708	34	7.280666	0.007368 0.100092
## 22093	53	17.752939	0.019754 0.141215
## 2735	25	20.393875	0.016308 0.087875
## 14978	82	13.180314	0.017471 0.098056
## 8556	43	2.176583	0.005987 0.182849
## 21855	97	3.335084	0.025280 0.108602
## 6983	37	11.661116	0.011033 0.077872
## 19518	104	11.150100	0.016677 0.174129
## 11389	50	3.086744	0.020459 0.089812
## 7066	68	4.603310	0.023681 0.076746
## 18117	273	11.427898	0.018785 0.112981
## 6859	30	3.721436	0.014521 0.057708
## 18878	71	5.715443	0.016351 0.076893
## 22123	58	9.008104	0.011818 0.139116
## 21219	57	12.620044	0.021082 0.098246
## 10161	25	8.340143	0.016226 0.083875
## 9949	161	17.436121	0.022066 0.093109
## 4785	116	20.785259	0.012821 0.092645
## 17583	83	14.246466	0.013627 0.095745
## 798	31	40.358891	0.010963 0.087802
## 2676	1133	1.834815	0.015632 0.123444
## 18531	68	21.415770	0.012752 0.085983
## 6906	118	8.885158	0.013771 0.100583
## 15496	27	15.719892	0.017973 0.112037
## 13125	33	19.859604	0.023774 0.066667
## 7428	223	5.714419	0.007936 0.139280
## 16590	25	7.184300	0.013050 0.124000
## 4321	68	9.675221	0.020044 0.086719
## 1202	25	21.001858	0.017660 0.095750
## 7960	60	23.704491	0.022583 0.154896

## 3878	36	37.308064	0.019678	0.109028
## 19297	57	11.978309	0.021463	0.093914
## 12360	198	10.159639	0.010888	0.109754
## 16799	59	2.503955	0.012418	0.088242
## 20561	27	10.366572	0.013395	0.079167
## 17937	125	8.276068	0.020873	0.126875
## 16012	39	6.147795	0.017141	0.073638
## 17342	35	4.611119	0.018664	0.053661
## 9932	25	25.825918	0.013575	0.105750
## 20958	38	2.847585	0.021324	0.099836
## 9124	25	14.600672	0.008447	0.121750
## 2418	46	5.276897	0.017922	0.079823
## 6741	89	14.093082	0.010519	0.160323
## 9395	495	12.324298	0.013697	0.134091
## 6876	31	5.687481	0.005703	0.183266
## 12536	25	24.163464	0.010602	0.093625
## 22018	209	11.470476	0.022685	0.102362
## 20368	376	13.858040	0.019359	0.153682
## 7424	39	13.647043	0.013047	0.108574
## 21940	758	8.564014	0.015179	0.134251
## 2174	78	3.056221	0.020309	0.111899
## 16651	65	8.285997	0.019315	0.057885
## 5041	87	4.295838	0.019481	0.078951
## 12541	52	6.330900	0.017232	0.131130
## 10187	25	32.771072	0.016210	0.123125
## 19820	58	13.175091	0.012611	0.119289
## 3078	80	2.831545	0.016966	0.088984
## 13556	25	34.186066	0.014811	0.074125
## 13135	65	29.211283	0.021514	0.091154
## 14189	30	3.605931	0.016745	0.085938
## 7082	30	3.601198	0.012386	0.042917
## 15637	227	2.383048	0.011110	0.123031
## 15475	35	9.260812	0.008273	0.116964
## 14540	67	4.328227	0.020352	0.067397
## 8107	32	7.190077	0.012460	0.138770
## 14983	25	27.831902	0.018880	0.073000
## 12407	25	9.212481	0.018516	0.114500
## 12994	46	9.447762	0.021713	0.150611
## 15712	57	9.726849	0.020155	0.094956
## 1704	68	3.195883	0.016579	0.129044
## 10884	28	4.320260	0.010532	0.112054
## 19998	51	6.643829	0.021440	0.118934
## 16543	76	12.265142	0.024030	0.029317
## 14128	33	19.533892	0.018862	0.084848
## 17400	50	15.505723	0.023929	0.078813
## 10904	37	14.175265	0.009235	0.122044
## 482	32	16.980751	0.014617	0.122461
## 14433	385	6.942688	0.009723	0.138815
## 8428	57	13.027779	0.015326	0.116557
## 16619	57	2.970576	0.028529	0.086075
## 13425	26	7.257039	0.018810	0.122115
## 133	111	9.375222	0.024160	0.108052
## 17772	25	19.728254	0.030083	0.017000
## 18808	404	7.923772	0.019930	0.153481

## 7808	38	11.034981	0.006216 0.158141
## 18223	112	12.438597	0.015409 0.100865
## 19233	25	21.105810	0.019132 0.120875
## 9990	25	27.454380	0.017567 0.101125
## 1665	405	3.331583	0.015095 0.120008
## 20616	62	6.600949	0.016886 0.120968
## 5870	550	12.267365	0.017535 0.128847
## 22118	80	10.433175	0.023423 0.061289
## 8716	40	11.025204	0.016672 0.070469
## 14959	41	12.737133	0.010804 0.127210
## 15305	25	17.054905	0.018030 0.075625
## 10765	36	9.228334	0.013208 0.103819
## 12314	40	8.230847	0.016669 0.068516
## 16059	25	30.169350	0.016601 0.063750
## 14120	99	13.131220	0.021914 0.093371
## 12463	65	9.939525	0.030441 0.065144
## 21177	88	8.990291	0.014606 0.159055
## 6725	52	21.635204	0.024127 0.092608
## 2474	428	3.926579	0.016023 0.133039
## 5514	252	10.954070	0.016159 0.182775
## 15344	27	14.672494	0.016674 0.089699
## 8959	253	10.688811	0.017759 0.155509
## 14164	59	28.863571	0.018273 0.094862
## 16601	25	3.531883	0.017529 0.074375
## 10734	25	31.703123	0.015710 0.129250
## 20179	52	17.882307	0.012625 0.124579
## 4153	71	7.798464	0.010088 0.077465
## 17272	82	12.093694	0.011636 0.111090
## 21470	33	16.025528	0.014563 0.127178
## 15028	32	3.615646	0.017688 0.121777
## 2867	441	5.018630	0.018006 0.102643
## 10078	1669	8.275628	0.018357 0.149326
## 8973	477	9.100859	0.014772 0.116542
## 1845	44	27.584352	0.017174 0.078480
## 18506	41	17.492338	0.013611 0.163796
## 15886	36	13.824787	0.019289 0.083420
## 13923	62	5.232228	0.020270 0.097581
## 12386	66	5.108125	0.017892 0.058617
## 4188	117	3.475826	0.015437 0.111245
## 11568	44	10.952567	0.016613 0.186790
## 13934	27	23.799093	0.017341 0.153356
## 12218	25	23.682407	0.019660 0.118000
## 7024	43	19.528147	0.020442 0.130814
## 20645	36	7.774633	0.019742 0.116753
## 6028	129	3.715736	0.017805 0.133866
## 13629	50	6.835304	0.019057 0.113625
## 19527	60	7.696928	0.019199 0.104635
## 8714	131	14.071249	0.012237 0.104604
## 18762	60	22.418274	0.019762 0.113906
## 3420	244	4.000190	0.018230 0.088025
## 18538	128	19.555414	0.016093 0.184106
## 1789	25	9.911913	0.018012 0.088125
## 10733	133	11.794191	0.015799 0.150517
## 12424	66	18.504526	0.017527 0.127841

## 17337	38	7.396314	0.015145 0.096711
## 15389	29	10.138346	0.016780 0.071121
## 6219	43	6.098012	0.017613 0.119259
## 13960	25	43.074020	0.021009 0.097375
## 10917	37	7.152840	0.003792 0.196875
## 18620	1448	7.172667	0.016570 0.146297
## 11929	34	8.805332	0.010321 0.082537
## 4739	60	8.474155	0.019386 0.051094
## 11187	43	14.616853	0.017986 0.189680
## 1632	153	4.318277	0.014737 0.124775
## 93	41	16.615553	0.015670 0.106326
## 7712	81	10.694082	0.028386 0.089738
## 829	191	12.072058	0.017760 0.113596
## 7211	25	34.107819	0.012180 0.106125
## 14322	61	6.618909	0.017911 0.092572
## 5679	100	14.941110	0.018064 0.118188
## 4230	32	7.943811	0.015896 0.079297
## 4813	25	24.810860	0.017775 0.054250
## 1803	165	9.545408	0.009277 0.109867
## 466	119	9.486464	0.027664 0.084034
## 1499	113	5.468871	0.016417 0.138827
## 4527	36	20.914553	0.014942 0.075868
## 17103	111	26.550270	0.017349 0.093131
## 8125	25	16.517891	0.012793 0.094125
## 7847	30	4.837690	0.009345 0.093333
## 20098	104	10.087611	0.019132 0.103576
## 14632	25	45.724072	0.015964 0.083875
## 11114	847	7.157141	0.016538 0.156143
## 13471	44	13.843274	0.020227 0.101136
## 10084	232	9.505962	0.018650 0.152034
## 22009	59	6.008403	0.023710 0.100159
## 12122	25	28.260492	0.019720 0.067625
## 254	124	2.303129	0.024621 0.076159
## 7863	68	12.063382	0.023198 0.092371
## 6158	26	3.211473	0.011009 0.055649
## 6871	223	6.763669	0.009214 0.136939
## 22116	52	13.948822	0.020573 0.044832
## 19815	62	12.805559	0.011166 0.158770
## 8376	63	9.347537	0.014741 0.082192
## 2168	25	3.297653	0.015000 0.089125
## 13706	25	14.269832	0.016558 0.092750
## 19888	99	13.411256	0.015594 0.097254
## 15311	60	3.239995	0.001126 0.098854
## 17142	48	7.734895	0.015656 0.130534
## 5232	38	8.845716	0.014872 0.097286
## 11479	135	6.607554	0.017328 0.090394
## 17747	454	9.384403	0.014279 0.135807
## 16054	25	26.874546	0.015119 0.062125
## 21407	101	8.376208	0.020689 0.128465
## 1746	25	5.139020	0.015624 0.066875
## 14216	56	23.186026	0.019801 0.072433
## 9600	25	23.346725	0.013236 0.082125
## 20037	28	4.035097	0.018349 0.074888
## 11557	25	33.137897	0.014466 0.099000

## 17546	27	42.982437	0.017005 0.079514
## 8182	43	8.184910	0.011925 0.103343
## 793	49	14.331109	0.016438 0.102551
## 20293	173	9.608196	0.018587 0.121965
## 11166	57	2.539781	0.021955 0.113432
## 14513	84	1.678254	0.013106 0.094866
## 19513	557	17.569521	0.016191 0.139716
## 1712	92	1.055134	0.018102 0.114164
## 1654	25	20.380297	0.011105 0.067625
## 10944	305	12.450933	0.014879 0.150502
## 10709	53	4.595421	0.018615 0.061026
## 21575	127	7.642643	0.019934 0.095374
## 5516	26	24.577648	0.026903 0.079688
## 8776	32	8.570305	0.015730 0.098633
## 3365	44	10.102437	0.016800 0.113281
## 18059	41	2.679768	0.014517 0.121646
## 5183	38	16.891087	0.022751 0.100164
## 3464	35	3.135699	0.032344 0.071339
## 21864	25	14.799508	0.023303 0.088125
## 2161	29	1.527912	0.014863 0.101185
## 18610	25	14.037637	0.005908 0.150000
## 7123	81	3.498291	0.022336 0.110147
## 17117	99	5.410297	0.017621 0.112342
## 17014	29	1.974877	0.014580 0.077909
## 13911	46	2.560635	0.021758 0.132405
## 361	38	21.879225	0.006352 0.179688
## 4103	25	14.662195	0.019016 0.090625
## 1527	223	2.893325	0.017346 0.102915
## 15407	47	4.438807	0.009451 0.115426
## 11719	25	17.561769	0.005724 0.123125
## 15818	40	10.614614	0.006502 0.156016
## 9989	42	18.022360	0.017824 0.092634
## 18727	32	18.318275	0.016132 0.098047
## 4937	223	4.578030	0.016760 0.083352
## 12500	55	10.351128	0.014030 0.104716
## 21730	50	3.671762	0.013527 0.092875
## 20851	47	12.998402	0.014436 0.134973
## 940	80	11.555647	0.019957 0.097227
## 17738	30	17.254772	0.016213 0.094063
## 17273	83	17.838947	0.013203 0.129593
## 6300	1013	6.249905	0.018564 0.119154
## 18081	58	10.220920	0.017417 0.191595
## 14543	64	6.214505	0.010307 0.085596
## 22435	175	2.642752	0.014958 0.137875
## 21856	37	7.149067	0.024391 0.081503
## 5734	124	2.303129	0.024621 0.076159
## 19494	25	32.237911	0.018871 0.103625
## 3739	25	4.292321	0.016307 0.085875
## 5188	57	3.420213	0.019634 0.108936
## 8330	62	10.734781	0.016697 0.090272
## 3616	32	9.428123	0.018731 0.145410
## 14194	25	21.373537	0.009778 0.087250
## 14237	357	15.805195	0.013891 0.102644
## 21586	74	26.878471	0.017636 0.090160

## 21601	65	30.947765	0.018943 0.082260
## 13027	25	15.672969	0.013166 0.089625
## 11653	25	39.914268	0.011773 0.064000
## 18413	43	8.335684	0.008119 0.162500
## 8048	66	20.551474	0.019957 0.169650
## 14599	71	8.523013	0.018089 0.119278
## 5460	32	1.931357	0.006641 0.060352
## 8041	25	19.205290	0.021786 0.157750
## 14193	87	23.257515	0.012271 0.123060
## 6613	25	28.401333	0.021643 0.064250
## 18924	41	16.051252	0.013395 0.158460
## 4616	37	23.237551	0.012065 0.120355
## 1230	218	4.951773	0.017211 0.120384
## 19560	83	15.572296	0.015985 0.124511
## 1247	196	12.170773	0.014908 0.159471
## 14730	25	7.414744	0.004216 0.155875
## 12550	75	2.931617	0.020506 0.065083
## 22537	31	2.798541	0.022506 0.106250
## 15871	40	37.060364	0.014635 0.077031
## 10632	38	23.587294	0.019366 0.099589
## 9328	32	6.475513	0.015409 0.127930
## 10654	69	9.398318	0.014008 0.067572
## 541	25	15.382489	0.016269 0.118000
## 18888	25	40.901669	0.014263 0.078625
## 13595	73	4.887757	0.021177 0.158947
## 15434	26	13.181794	0.018118 0.026082
## 20342	47	25.767090	0.012450 0.142553
## 612	35	15.252900	0.025433 0.110982
## 20372	25	18.386503	0.009297 0.109250
## 7427	32	1.178225	0.008846 0.091113
## 14872	43	13.382722	0.013100 0.105669
## 14024	100	11.174292	0.014420 0.122656
## 14900	25	6.416626	0.012599 0.087375
## 20971	47	13.083665	0.021149 0.160306
## 7502	36	15.870865	0.019911 0.097222
## 6735	2695	19.716986	0.014997 0.139315
## 12259	27	29.528151	0.010349 0.127083
## 2746	167	11.634912	0.018946 0.076048
## 3020	60	2.062745	0.018873 0.084323
## 21373	25	23.836950	0.021353 0.132125
## 22376	214	4.699694	0.012502 0.131805
## 10003	725	12.288894	0.016410 0.126375
## 16076	25	11.504403	0.015776 0.072750
## 19588	113	17.201880	0.018608 0.102268
## 22196	62	5.648321	0.010079 0.182712
## 15154	72	7.902578	0.014064 0.063325
## 17430	37	22.509165	0.010438 0.077703
## 2516	59	8.655527	0.017330 0.090837
## 2845	40	13.189211	0.017877 0.079609
## 1082	25	15.102342	0.015630 0.084375
## 7687	247	1.800996	0.016447 0.135792
## 18518	557	15.719407	0.014256 0.148861
## 17299	42	8.119803	0.018072 0.068676
## 3494	34	0.239352	0.017566 0.122243

## 20619	48	7.224232	0.019075 0.123958
## 7798	34	4.065613	0.015710 0.065809
## 22077	25	24.071339	0.021190 0.069500
## 8179	25	10.853450	0.011305 0.124500
## 17930	804	10.626392	0.015181 0.127876
## 10341	27	14.812702	0.011348 0.125463
## 5326	155	13.993442	0.018396 0.119355
## 7866	105	1.956315	0.021590 0.105179
## 9667	46	2.577266	0.020364 0.140965
## 2551	298	4.054283	0.016824 0.119337
## 67	219	6.831649	0.012939 0.138913
## 2136	100	1.847311	0.016242 0.126813
## 17282	25	47.653107	0.013405 0.093000
## 21642	25	16.294134	0.017407 0.099875
## 13404	67	16.532282	0.017170 0.132229
## 17886	92	3.318355	0.025299 0.112806
## 10582	56	9.614387	0.014427 0.066964
## 16148	105	9.118464	0.018303 0.107699
## 12162	78	35.554317	0.017740 0.106330
## 8334	29	14.870853	0.006650 0.194397
## 1503	110	3.145576	0.016242 0.133778
## 18484	42	5.334723	0.023145 0.130655
## 11058	25	16.315664	0.020956 0.117125
## 17741	529	7.358677	0.015552 0.131256
## 421	43	5.887341	0.008495 0.126962
## 6050	388	10.187273	0.017393 0.134125
## 15768	118	9.024038	0.024380 0.117532
## 22001	83	2.374970	0.025705 0.088253
## 9527	113	11.388221	0.020716 0.128706
## 18099	183	5.273941	0.018754 0.139549
## 21416	33	17.423958	0.018677 0.121023
## 12046	34	1.812200	0.012971 0.153401
## 6146	54	8.286443	0.013351 0.098843
## 1428	26	15.655784	0.005554 0.119231
## 6066	130	6.766160	0.022554 0.126635
## 20462	47	27.681131	0.016718 0.123936
## 4007	82	3.003326	0.012034 0.115053
## 4095	26	8.850384	0.019665 0.084375
## 18867	47	7.890894	0.018842 0.118085
## 14796	25	7.781740	0.021771 0.090125
## 11296	71	6.617212	0.014904 0.120158
## 8773	25	4.234170	0.011391 0.097000
## 17140	34	6.569553	0.008025 0.109467
## 6014	79	0.847326	0.018352 0.085364
## 11259	1006	10.971095	0.015374 0.163870
## 20839	50	11.835941	0.017607 0.114375
## 10442	37	16.205126	0.014922 0.204730
## 10961	52	15.858184	0.021322 0.132752
## 12955	78	8.130971	0.014439 0.098878
## 3911	99	7.206150	0.018708 0.108460
## 19340	41	20.970001	0.013868 0.139253
## 22427	25	13.206984	0.024752 0.073625
## 19556	31	13.371481	0.020963 0.052722
## 7148	1262	10.057727	0.014882 0.164746

## 18778	25	15.744181	0.005911	0.130250
## 7693	91	17.374138	0.013950	0.155357
## 21661	26	8.518836	0.019142	0.094832
## 266	27	13.687214	0.025302	0.068287
## 17703	25	11.858518	0.004291	0.243375
## 587	25	12.273520	0.025299	0.074125
## 15246	41	37.996983	0.020236	0.057774
## 7118	43	8.474287	0.020736	0.123256
## 4342	76	10.590385	0.016199	0.127426
## 19750	33	27.682734	0.014475	0.104167
## 2223	59	10.526297	0.017793	0.058104
## 6400	131	15.148074	0.010424	0.102385
## 13981	117	7.164003	0.016768	0.124920
## 10770	36	5.303516	0.010159	0.088021
## 20457	29	28.484007	0.020905	0.094181
## 10258	249	2.361244	0.010147	0.107267
## 17471	100	21.152227	0.025621	0.123438
## 4774	37	23.158428	0.015951	0.099493
## 10721	47	16.612339	0.018694	0.065758
## 15438	92	5.066803	0.019471	0.104076
## 14927	147	6.727247	0.016882	0.105506
## 1868	66	6.416798	0.016192	0.109754
## 18573	749	7.243306	0.014893	0.145961
## 2222	25	13.406792	0.011119	0.104875
## 15889	162	11.040184	0.013734	0.087191
## 12168	25	32.413452	0.009855	0.148625
## 16557	25	5.191138	0.010099	0.065750
## 14398	36	24.170786	0.019768	0.126128
## 21927	850	7.869145	0.016302	0.129688
## 17628	112	9.289033	0.027247	0.032394
## 13868	150	6.285291	0.022059	0.112208
## 15561	55	31.161013	0.020917	0.047841
## 14852	73	8.523598	0.020200	0.112543
## 4936	96	16.479675	0.012370	0.053353
## 210	25	19.723957	0.007567	0.134500
## 18615	214	7.609672	0.015878	0.132097
## 19042	104	9.812499	0.018740	0.111088
## 12476	66	6.343193	0.015394	0.088400
## 2651	700	4.573668	0.017384	0.108540
## 3709	155	1.842842	0.018229	0.108488
## 17639	107	3.450061	0.012037	0.128768
## 20695	25	22.613096	0.019658	0.136625
## 17405	206	8.893924	0.014182	0.103277
## 2242	79	9.520303	0.016357	0.107002
## 21917	660	7.246213	0.014279	0.138783
## 13941	36	18.468395	0.015052	0.117101
## 13105	124	4.272138	0.017073	0.079461
## 4358	693	3.918356	0.015591	0.127918
## 6879	44	7.579016	0.006873	0.095526
## 3656	87	9.960870	0.021956	0.114224
## 1217	25	24.574135	0.012725	0.087375
## 8508	25	7.266754	0.011588	0.051875
## 14265	67	9.390799	0.014128	0.118843
## 8572	29	20.637568	0.014193	0.051724

## 14306	25	60.164410	0.015648 0.100375
## 16623	44	7.045209	0.022126 0.080824
## 4538	33	2.943859	0.015001 0.055019
## 8512	25	6.968233	0.015196 0.078750
## 4552	77	5.388990	0.017853 0.052922
## 9360	25	30.979568	0.017606 0.079000
## 7922	25	22.235386	0.019718 0.161250
## 15465	92	12.552698	0.017840 0.102446
## 12262	386	5.418829	0.017225 0.183298
## 19826	34	23.276192	0.015446 0.132537
## 19362	140	9.131241	0.012522 0.189732
## 15070	25	10.173260	0.017494 0.068875
## 22095	71	2.655078	0.019909 0.115493
## 20509	238	17.698433	0.013313 0.157931
## 13736	138	5.199885	0.017859 0.199706
## 20653	51	17.741907	0.019963 0.131801
## 22156	33	8.643360	0.010681 0.104830
## 9405	70	16.028351	0.012131 0.096830
## 3980	109	6.468639	0.017094 0.104472
## 12812	87	6.284163	0.012934 0.097845
## 15227	32	11.329558	0.019097 0.062305
## 11443	159	16.486111	0.020988 0.138227
## 21090	32	19.001133	0.014004 0.138184
## 7692	405	17.121220	0.015809 0.223904
## 16819	40	8.097630	0.023605 0.059844
## 13559	26	16.507042	0.021826 0.087740
## 4730	25	26.647602	0.019774 0.079000
## 3715	245	1.783675	0.016329 0.115013
## 426	168	6.866000	0.008974 0.114304
## 21995	38	10.867740	0.024916 0.084128
## 10181	40	22.250353	0.012824 0.102500
## 16912	164	11.762896	0.018772 0.056269
## 14160	47	8.776431	0.014893 0.090160
## 21017	216	7.188390	0.016958 0.128964
## 12058	29	14.912580	0.001398 0.263470
## 10731	25	23.613344	0.015377 0.126250
## 18903	25	58.753124	0.013309 0.119250
## 10899	31	2.604838	0.018227 0.069153
## 14797	87	7.914570	0.017093 0.127083
## 21186	357	10.988857	0.014512 0.103615
## 12710	65	9.610498	0.018706 0.100288
## 9577	25	10.213726	0.010497 0.082875
## 11376	26	1.355589	0.016735 0.087500
## 18121	493	6.828093	0.016942 0.145544
## 12355	56	9.748506	0.020213 0.104074
## 19040	28	5.090065	0.016722 0.110268
## 15558	65	3.548422	0.021398 0.125433
## 10923	36	9.734867	0.008485 0.141840
## 21313	83	6.461659	0.018913 0.087124
## 11714	25	36.222855	0.012072 0.108250
## 19696	164	6.971043	0.017109 0.121875
## 6684	56	6.642064	0.013813 0.151674
## 8213	28	46.936428	0.018438 0.109152
## 17420	81	15.128561	0.016867 0.094946

## 13255	91	25.414631	0.017467	0.110680
## 5335	49	6.129874	0.013393	0.090434
## 1444	69	8.379931	0.019577	0.108786
## 3448	38	13.541888	0.015349	0.090378
## 3919	60	4.528406	0.023234	0.055417
## 8964	25	35.099777	0.012091	0.082500
## 5856	1049	6.707118	0.018526	0.124410
## 4623	51	4.187065	0.018040	0.119301
## 19800	62	6.843295	0.016349	0.138609
## 1791	26	7.813309	0.018608	0.094231
## 18252	90	6.810092	0.017178	0.103819
## 3936	100	11.063465	0.017638	0.103000
## 10786	33	22.546900	0.018854	0.091288
## 4790	210	4.006932	0.014943	0.104717
## 4187	159	1.601382	0.014790	0.117551
## 5109	25	27.556625	0.015232	0.091875
## 19859	25	39.664074	0.016473	0.081750
## 4199	339	3.173010	0.017489	0.121571
## 8163	32	1.011940	0.008011	0.093359
## 16597	25	8.122331	0.015946	0.110750
## 21145	67	13.392794	0.021523	0.149114
## 18419	629	6.214512	0.016554	0.157591
## 18180	38	7.749118	0.015292	0.097780
## 11216	25	35.268333	0.013101	0.104875
## 16756	37	27.721920	0.015059	0.090541
## 14394	167	7.580236	0.017538	0.189540
## 2521	99	13.867272	0.019031	0.081723
## 22326	32	31.714834	0.020145	0.135254
## 14672	99	2.983987	0.013552	0.094381
## 3072	260	1.904133	0.018826	0.118365
## 8479	299	6.760859	0.014582	0.109594
## 22177	30	4.666588	0.026487	0.077083
## 12721	60	7.496685	0.007370	0.057969
## 13566	25	55.104633	0.017830	0.113250
## 14787	70	8.293949	0.018573	0.090625
## 20476	25	40.293045	0.019796	0.136875
## 4318	25	3.732111	0.018616	0.077500
## 20192	72	9.536687	0.016070	0.143403
## 14443	146	10.569309	0.013910	0.107256
## 21950	640	8.251009	0.012577	0.126304
## 7634	105	6.222767	0.006663	0.105536
## 14098	74	9.553346	0.014553	0.060980
## 1382	214	2.462842	0.019559	0.095181
## 13134	58	20.085705	0.022483	0.101670
## 9416	888	11.894639	0.015313	0.105391
## 3069	41	11.762359	0.022442	0.046951
## 11196	25	16.073114	0.015171	0.096125
## 15869	36	16.739422	0.017267	0.152951
## 3525	74	12.454497	0.017535	0.095101
## 3170	88	4.717806	0.018618	0.060724
## 8952	25	15.776914	0.007996	0.094125
## 16706	40	6.635073	0.019045	0.075781
## 9759	35	16.364208	0.007669	0.085089
## 15273	378	3.573112	0.011976	0.093667

## 10164	26	7.026118	0.016896 0.106611
## 15803	25	5.610916	0.014590 0.079000
## 4143	166	11.609688	0.022292 0.092413
## 9543	241	15.068349	0.017793 0.118530
## 9840	31	1.764143	0.017800 0.081653
## 15696	50	16.808252	0.015522 0.112313
## 1522	147	3.103081	0.019030 0.108333
## 12251	25	16.911766	0.015750 0.095625
## 8802	65	11.834606	0.010554 0.129519
## 22251	139	2.191296	0.011881 0.130036
## 5984	38	9.205036	0.007567 0.090954
## 17241	71	9.757502	0.016453 0.119322
## 13352	39	19.212301	0.020580 0.071394
## 6232	67	5.612164	0.014280 0.087593
## 12943	25	13.303244	0.019412 0.049000
## 19259	261	9.010218	0.015266 0.136422
## 3664	69	17.442675	0.017574 0.063089
## 7602	25	18.011492	0.019730 0.119625
## 4098	34	8.983257	0.021714 0.087224
## 11342	30	5.651850	0.014906 0.095938
## 6258	31	21.489637	0.021420 0.077621
## 17120	329	7.291871	0.011755 0.095498
## 4516	43	8.132565	0.019310 0.067369
## 9753	268	4.829947	0.010155 0.097924
## 13260	75	19.994997	0.017420 0.145833
## 9321	38	22.394594	0.018682 0.145066
## 2988	319	13.539192	0.011330 0.168300
## 1736	47	4.841414	0.016536 0.117021
## 3268	142	2.440866	0.017374 0.093992
## 5352	56	13.415465	0.010725 0.071038
## 12706	53	7.947801	0.019156 0.077476
## 18047	49	9.294587	0.011736 0.144452
## 6117	55	8.347608	0.010231 0.153807
## 14290	100	4.611265	0.021532 0.067437
## 10564	25	31.705181	0.003427 0.082625
## 5544	63	21.575590	0.008836 0.078770
## 11022	61	10.477108	0.002081 0.133197
## 17406	50	4.925956	0.020563 0.084813
## 7614	53	12.609895	0.023612 0.138443
## 12238	25	9.883070	0.012159 0.092500
## 8554	45	16.548468	0.000566 0.287986
## 9312	62	11.602101	0.014117 0.148891
## 4244	58	10.944125	0.015414 0.153341
## 4033	191	4.015083	0.016759 0.094503
## 10355	82	13.365559	0.017564 0.119436
## 20326	166	10.306552	0.008598 0.139477
## 15540	53	6.872107	0.027132 0.083667
## 6081	33	20.297529	0.018912 0.125095
## 7776	31	8.139812	0.012844 0.106048
## 19835	26	14.180983	0.017749 0.119351
## 6230	85	9.906586	0.017066 0.094081
## 18505	212	19.083124	0.010644 0.144900
## 20169	310	11.407411	0.012461 0.130958
## 10895	25	6.665654	0.018031 0.079500

## 954	25	11.494917	0.014770 0.097250
## 13090	581	8.517192	0.014893 0.117803
## 18145	25	3.787614	0.007199 0.030500
## 9012	25	64.107498	0.015882 0.067250
## 8462	25	23.579300	0.011568 0.070250
## 11686	65	8.478247	0.015566 0.131538
## 3955	38	6.035278	0.017793 0.077961
## 15283	45	0.974148	0.022286 0.105764
## 2658	41	2.302399	0.014282 0.124924
## 21688	25	31.266802	0.018267 0.080250
## 13578	46	2.559525	0.010289 0.081726
## 5258	95	3.255995	0.021288 0.103421
## 15455	27	15.087182	0.009777 0.114931
## 7842	30	8.451674	0.004444 0.107604
## 9414	142	11.524185	0.014804 0.123614
## 12993	44	10.639924	0.021443 0.152770
## 21043	30	18.529480	0.016037 0.074062
## 12689	186	2.562229	0.018118 0.084257
## 6075	584	7.722550	0.020202 0.130025
## 8273	29	3.983644	0.011523 0.078125
## 3320	30	1.437921	0.021897 0.098333
## 19002	123	6.297610	0.020802 0.082571
## 16553	44	7.635440	0.012034 0.077060
## 10031	149	7.670979	0.014204 0.140394
## 19705	25	40.457973	0.007527 0.113125
## 6787	25	23.688261	0.010012 0.145750
## 20479	52	13.408493	0.017123 0.162861
## 15698	55	7.425644	0.016713 0.088466
## 3005	52	15.511026	0.018913 0.085577
## 10101	76	27.353666	0.010048 0.147821
## 12051	35	10.504181	0.003498 0.063214
## 3912	44	4.086454	0.027494 0.071023
## 13720	32	6.288140	0.022060 0.095410
## 14952	123	1.744099	0.013583 0.117530
## 2078	49	4.404251	0.026577 0.033163
## 7476	35	11.803861	0.018491 0.106071
## 8829	32	10.858890	0.008653 0.070898
## 22489	33	9.626338	0.019167 0.096402
## 6681	145	19.016924	0.015876 0.167608
## 3214	27	9.270085	0.016102 0.109491
## 4367	35	10.326599	0.017560 0.103571
## 18681	58	20.303247	0.014716 0.087769
## 18473	753	6.784214	0.015690 0.146443
## 12432	52	5.840439	0.015322 0.078486
## 18492	25	19.905880	0.020367 0.107500
## 6767	25	22.270201	0.017624 0.118250
## 15806	25	2.092164	0.013936 0.116250
## 5127	41	18.826338	0.015127 0.076524
## 17088	189	5.604985	0.017132 0.092841
## 21973	123	18.360239	0.022697 0.089990
## 3995	69	3.697729	0.017664 0.079937
## 22388	32	22.260700	0.008951 0.130566
## 2495	43	13.507754	0.018851 0.102907
## 7648	136	3.717047	0.007745 0.106664

## 16488	94	2.902669	0.022157 0.125299
## 7522	25	15.220987	0.019091 0.087625
## 12649	25	8.798409	0.007194 0.134375
## 4059	39	8.897032	0.017945 0.087099
## 13920	57	9.728769	0.017974 0.097204
## 9314	25	15.460957	0.011603 0.123500
## 921	53	17.671286	0.017189 0.083903
## 6957	25	6.731892	0.019361 0.095750
## 15733	95	15.233266	0.012454 0.116678
## 7875	74	9.945662	0.019970 0.100929
## 17836	36	11.607868	0.014057 0.083594
## 21649	38	24.767857	0.016015 0.110526
## 8382	33	13.512260	0.022720 0.077557
## 8899	73	7.890713	0.011724 0.137843
## 9298	49	9.390597	0.017384 0.141901
## 18938	25	10.204355	0.012429 0.087750
## 15358	59	2.585163	0.006316 0.184587
## 4252	90	3.596048	0.015952 0.095694
## 4172	57	7.013457	0.014688 0.138432
## 13010	45	5.309182	0.013757 0.136250
## 17890	93	6.929039	0.023635 0.110921
## 3669	49	8.938533	0.019862 0.067347
## 5199	36	12.209927	0.011127 0.098785
## 10306	45	10.923443	0.008164 0.043889
## 14017	26	27.229963	0.018601 0.078125
## 404	33	0.798489	0.011178 0.071117
## 17520	44	14.165881	0.024067 0.084304
## 18219	37	12.304805	0.019289 0.111064
## 10531	78	1.815722	0.014862 0.123878
## 11280	25	10.995879	0.014262 0.127625
## 7624	38	8.448948	0.012555 0.116447
## 18005	43	7.099380	0.009135 0.154651
## 14723	87	3.781024	0.015141 0.088254
## 5725	52	16.460257	0.020787 0.125601
## 8736	38	16.844461	0.014706 0.098849
## 19532	42	27.055269	0.018418 0.148958
## 6409	30	9.249230	0.017225 0.063958
## 18277	391	6.102105	0.019916 0.124888
## 1820	58	3.785495	0.017954 0.117080
## 21926	2237	7.161347	0.015917 0.124351
## 12670	49	4.757506	0.016183 0.064413
## 17841	36	2.728915	0.007965 0.156858
## 4675	40	19.000826	0.013919 0.135313
## 11438	218	21.133717	0.018949 0.118091
## 20425	35	10.920415	0.010272 0.040982
## 154	74	32.201820	0.014781 0.102280
## 21772	418	8.549584	0.018936 0.110766
## 578	142	3.957297	0.015121 0.121413
## 8452	105	11.757016	0.005465 0.239405
## 16682	114	14.707586	0.019834 0.083991
## 15157	50	7.485533	0.018773 0.091313
## 18638	1449	6.620319	0.016269 0.148743
## 11695	76	18.007750	0.014141 0.122985
## 10748	199	1.503644	0.008330 0.097959

## 15202	29	2.671510	0.013504 0.031466
## 19653	30	25.373466	0.007404 0.075729
## 21160	89	9.175597	0.021440 0.121103
## 13763	139	13.160178	0.014037 0.107329
## 6190	41	17.464092	0.016250 0.113034
## 11250	935	10.557291	0.016997 0.138676
## 17998	54	9.179660	0.011872 0.114120
## 18319	41	18.832106	0.030972 0.015015
## 6347	36	8.078554	0.013402 0.096007
## 11898	124	7.894256	0.017572 0.100479
## 20727	28	31.774530	0.012559 0.112277
## 12422	55	17.915207	0.014228 0.114773
## 10569	87	3.120920	0.020928 0.166954
## 13908	51	8.006025	0.019760 0.099510
## 10422	37	13.221807	0.010508 0.155743
## 17429	75	12.352613	0.013916 0.092208
## 20022	25	9.706760	0.013765 0.083500
## 14601	49	5.766586	0.014085 0.112755
## 9898	118	8.999293	0.022434 0.121425
## 1013	82	12.440466	0.020425 0.116883
## 12023	25	24.733582	0.001863 0.030500
## 5297	29	11.056192	0.014998 0.090733
## 17719	63	10.328140	0.011826 0.116071
## 5927	25	11.370403	0.011835 0.058000
## 11288	86	10.370871	0.019995 0.107849
## 19946	25	11.025819	0.014579 0.098750
## 11405	70	7.912125	0.015902 0.124866
## 20583	25	34.761032	0.020192 0.062250
## 21489	25	31.927040	0.020606 0.132250
## 4240	37	21.271154	0.012275 0.076351
## 1351	868	0.044813	0.000392 0.070867
## 19365	30	19.485846	0.004702 0.050312
## 10713	164	14.262514	0.022438 0.061604
## 15261	79	5.842070	0.016861 0.104470
## 12207	144	3.826967	0.020550 0.099957
## 10767	84	4.448752	0.011399 0.107850
## 19937	67	12.961499	0.017280 0.161754
## 20819	61	6.791724	0.016987 0.098463
## 14600	32	8.880036	0.017495 0.106055
## 22482	25	14.835837	0.021164 0.114250
## 16965	39	10.945101	0.022060 0.087901
## 17881	105	11.581637	0.016780 0.086250
## 16138	32	27.293625	0.018023 0.106445
## 7583	33	15.187722	0.014314 0.137879
## 2729	52	6.619787	0.017973 0.154207
## 22442	80	7.444911	0.017306 0.106602
## 3745	39	7.982566	0.013010 0.082212
## 9415	101	8.242927	0.017185 0.124505
## 8260	184	13.504533	0.017078 0.128176
## 19137	60	6.580316	0.018235 0.104375
## 11190	36	14.556091	0.016682 0.144271
## 12421	49	18.193590	0.015297 0.118814
## 19032	60	6.721367	0.012218 0.092865
## 17596	25	22.108702	0.002728 0.074875

## 10988	59	32.968998	0.015044 0.158157
## 9774	63	32.022423	0.019976 0.076240
## 14622	77	20.762177	0.010060 0.076907
## 5665	59	15.263277	0.014315 0.091367
## 948	41	19.142242	0.016898 0.132851
## 12731	31	16.755878	0.013852 0.069254
## 14378	101	14.573697	0.020658 0.115718
## 15701	53	11.577125	0.013782 0.100649
## 9308	27	23.953459	0.013265 0.138194
## 9959	49	27.541016	0.015415 0.132270
## 9028	61	6.648648	0.020755 0.109990
## 7061	110	6.592583	0.026331 0.097443
## 19952	41	16.776981	0.013043 0.138567
## 20328	47	26.128670	0.013401 0.146808
## 13413	36	11.585309	0.019129 0.106858
## 21149	27	23.844919	0.012547 0.135764
## 1330	83	0.734952	0.019844 0.072063
## 6361	25	9.004596	0.008658 0.103250
## 6511	656	6.468685	0.019350 0.120327
## 6358	32	21.420591	0.001525 0.036133
## 22212	626	11.492356	0.014120 0.177706
## 22115	183	12.298217	0.019729 0.044604
## 13630	25	17.933861	0.019318 0.129500
## 14697	249	2.697165	0.013739 0.114583
## 12209	42	23.576687	0.009742 0.072173
## 20441	43	22.227997	0.014329 0.050945
## 21720	78	13.353985	0.012246 0.085056
## 11639	83	3.411865	0.012031 0.079367
## 12152	25	27.544720	0.016891 0.087125
## 17725	95	7.636848	0.018559 0.105789
## 6432	52	11.655299	0.020860 0.102704
## 8860	33	6.397279	0.015908 0.090814
## 6077	1033	8.332417	0.018734 0.139109
## 15053	25	38.443771	0.018244 0.074500
## 11175	57	2.849533	0.017938 0.114254
## 153	63	22.328697	0.015112 0.103026
## 4895	60	8.386247	0.016316 0.094271
## 18317	40	7.305811	0.024467 0.104609
## 5	29	13.338054	0.011506 0.100647
## 20474	939	11.528378	0.014863 0.164474
## 10401	25	3.128595	0.008212 0.091125
## 15518	31	0.590508	0.021631 0.062702
## 6482	25	26.991133	0.015356 0.237875
## 21385	58	13.166091	0.019471 0.141649
## 3611	80	6.729252	0.018460 0.061992
## 15287	29	8.730699	0.017002 0.105280
## 15195	150	6.501158	0.009346 0.091333
## 6168	43	16.417467	0.018675 0.069549
## 13350	45	25.871138	0.008203 0.098403
## 15406	64	3.159882	0.016387 0.103662
## 3702	73	2.524697	0.018096 0.074920
## 21520	227	15.019261	0.015152 0.113175
## 5367	25	33.671070	0.010344 0.094625
## 4849	25	32.319519	0.013010 0.087875

## 15714	60	26.231640	0.009092	0.092187
## 11900	75	4.541298	0.013619	0.114292
## 17818	25	8.863758	0.018104	0.058750
## 19972	25	26.243280	0.014553	0.098250
## 5789	67	13.405435	0.017694	0.128685
## 15927	89	22.064222	0.014735	0.077142
## 9912	150	6.269979	0.018339	0.149396
## 2208	74	4.951141	0.014834	0.110008
## 7410	43	13.800409	0.015511	0.080959
## 19900	26	16.734877	0.015142	0.063101
## 6084	634	6.103894	0.018504	0.119603
## 127	109	5.550302	0.023751	0.109948
## 997	95	2.684313	0.015475	0.109836
## 9157	109	9.870325	0.012173	0.109576
## 22182	147	1.900286	0.005809	0.084014
## 7561	54	8.761955	0.019169	0.062789
## 832	208	4.294093	0.017261	0.091526
## 19307	488	12.014529	0.015847	0.102389
## 9566	37	4.230929	0.011945	0.082095
## 15723	73	18.216297	0.013104	0.093707
## 9893	60	8.893376	0.022837	0.155677
## 502	25	11.891621	0.012632	0.084125
## 12297	41	0.467306	0.015634	0.099314
## 12121	29	36.845390	0.024039	0.089978
## 990	241	4.230434	0.011121	0.131483
## 8673	27	44.190098	0.018637	0.118403
## 7023	361	16.303453	0.015061	0.115469
## 9280	60	17.587708	0.018262	0.131302
## 20477	25	14.454568	0.014247	0.129375
## 7601	166	8.554914	0.020265	0.116133
## 7161	581	11.381413	0.011445	0.183439
## 12667	65	4.855371	0.015551	0.087788
## 15933	37	2.895352	0.002076	0.066047
## 12341	1972	7.859760	0.017153	0.139480
## 13693	47	12.481015	0.020829	0.128790
## 13476	31	6.525259	0.017271	0.122480
## 6253	25	18.414478	0.019563	0.100000
## 7042	52	9.487492	0.012537	0.128606
## 5982	28	16.798199	0.002779	0.070089
## 1968	25	12.892108	0.019717	0.081125
## 787	113	9.910916	0.019854	0.097705
## 19488	27	17.691555	0.017993	0.106366
## 19451	28	12.639511	0.021681	0.086496
## 21016	293	8.749145	0.016254	0.137532
## 15598	27	10.747686	0.018770	0.050231
## 22305	28	8.989618	0.013406	0.115179
## 21454	42	25.939383	0.020319	0.135193
## 14918	43	6.137682	0.012761	0.073474
## 17642	25	3.542487	0.010811	0.101625
## 13967	160	6.435667	0.021445	0.134590
## 12896	29	24.105408	0.017283	0.116487
## 19766	33	19.838549	0.016142	0.065720
## 7264	59	2.679170	0.016466	0.110487
## 16071	25	8.160233	0.008778	0.096375

## 2212	69	2.872052	0.012030 0.129937
## 12859	54	14.777178	0.025828 0.126910
## 20546	30	12.405931	0.013552 0.172083
## 7041	166	14.239252	0.017364 0.146160
## 11051	57	3.681393	0.020177 0.108607
## 19481	37	35.226650	0.021606 0.111824
## 5334	26	4.491231	0.011288 0.093149
## 9626	28	31.286392	0.015228 0.111161
## 21925	529	9.180786	0.017263 0.111454
## 3026	69	9.805033	0.021545 0.080842
## 13129	26	16.915169	0.018833 0.089663
## 19949	25	25.808603	0.009986 0.151375
## 2870	172	6.833982	0.016933 0.134629
## 14047	275	4.508214	0.011994 0.104477
## 358	25	26.669102	0.020720 0.105500
## 8766	55	20.838900	0.015361 0.076136
## 1612	123	4.483695	0.013344 0.152693
## 10935	25	12.206923	0.008485 0.082875
## 19824	38	24.410496	0.017913 0.155921
## 959	32	14.833754	0.014908 0.062109
## 174	124	4.906880	0.013903 0.078478
## 21068	25	27.120213	0.018235 0.097875
## 18669	32	43.066124	0.006818 0.093164
## 7490	72	3.418573	0.015015 0.094531
## 20044	30	9.197626	0.026678 0.075104
## 12768	47	13.645023	0.014819 0.067620
## 7166	51	4.359764	0.010357 0.253860
## 6199	25	11.693789	0.001598 0.036000
## 8893	177	16.540672	0.012420 0.137818
## 5186	35	8.588728	0.016884 0.138393
## 2757	94	10.909079	0.019799 0.110372
## 21739	99	11.768597	0.011073 0.104987
## 3975	39	4.038405	0.017221 0.114103
## 16910	41	12.953343	0.022794 0.060899
## 19144	28	15.313178	0.016993 0.080246
## 17072	186	21.991201	0.016880 0.101378
## 15315	37	13.539975	0.009222 0.073395
## 15520	106	10.039824	0.014778 0.076327
## 6590	102	5.069287	0.010278 0.049847
## 2816	25	48.860207	0.019128 0.075375
## 2923	128	2.728655	0.015776 0.114624
## 6528	77	3.328078	0.017775 0.103044
## 20148	114	4.872821	0.018931 0.125192
## 8325	34	7.219496	0.007708 0.155055
## 20261	26	8.890071	0.010722 0.111298
## 17197	25	21.722994	0.000913 0.104750
## 12	25	12.322391	0.012863 0.108750
## 14141	82	34.469910	0.019292 0.141806
## 5129	172	11.566621	0.011313 0.127471
## 6912	33	13.286079	0.013297 0.102652
## 19561	86	17.546795	0.018000 0.129978
## 20122	41	16.716148	0.012185 0.153430
## 20965	104	9.904293	0.019366 0.111208
## 11820	38	6.713885	0.004703 0.151316

## 22193	31	22.068872	0.007978 0.207964
## 4553	62	3.761600	0.007042 0.052016
## 18387	49	2.625161	0.008039 0.059311
## 11183	635	9.959346	0.016926 0.138558
## 1380	25	22.782360	0.017305 0.078625
## 3836	179	3.052510	0.018287 0.101135
## 11892	33	9.214265	0.017978 0.102746
## 4154	103	16.297947	0.017948 0.108192
## 5542	111	10.304399	0.016533 0.072185
## 13412	41	16.005131	0.019073 0.144131
## 4229	49	6.844753	0.017441 0.078890
## 12519	65	4.814651	0.017588 0.076779
## 20594	25	21.465710	0.017195 0.097375
## 21840	26	15.629014	0.019970 0.111418
## 12687	96	16.491577	0.013625 0.088639
## 11232	128	17.891987	0.016637 0.187183
## 16345	27	14.669756	0.012465 0.073958
## 16903	100	5.994917	0.012915 0.069906
## 19321	35	27.203238	0.018046 0.087321
## 20282	45	12.932133	0.016863 0.104792
## 17637	32	3.012636	0.003334 0.155957
## 16177	49	1.776908	0.019380 0.081824
## 15498	25	28.684319	0.012335 0.071625
## 8505	27	11.998720	0.009507 0.075116
## 8696	37	12.283704	0.011693 0.087669
## 9725	108	4.332695	0.019872 0.128067
## 9248	34	39.841682	0.014871 0.063511
## 12056	25	8.530512	0.000415 0.083875
## 7918	33	28.968519	0.012992 0.116572
## 21332	25	36.257919	0.023042 0.063000
## 17139	37	18.102798	0.018279 0.115625
## 1830	25	14.221221	0.017658 0.077875
## 3168	51	7.721144	0.019651 0.078983
## 7992	154	11.300826	0.019549 0.115625
## 18015	34	18.988918	0.013437 0.086397
## 14267	25	31.516882	0.017732 0.080750
## 5288	42	5.817912	0.021233 0.062872
## 20565	25	16.298386	0.023164 0.066500
## 4915	48	9.145498	0.012816 0.079362
## 10594	299	5.196976	0.028680 0.067789
## 17532	73	17.329376	0.021364 0.114854
## 10314	25	8.688828	0.013876 0.102500
## 2245	25	7.994592	0.014128 0.086875
## 9138	59	14.715999	0.018180 0.102331
## 3035	43	4.541814	0.018602 0.093605
## 1886	261	4.323225	0.020174 0.096540
## 20942	58	20.244219	0.017905 0.098869
## 5162	223	6.592492	0.008290 0.142489
## 20941	30	18.513609	0.017323 0.083333
## 1841	83	1.002027	0.020343 0.077108
## 18085	25	28.542307	0.024527 0.107625
## 11879	45	3.983965	0.017875 0.110972
## 21687	25	18.341295	0.016184 0.088250
## 16797	34	7.256150	0.015606 0.068750

## 4567	45	28.454329	0.018871	0.115694
## 19364	387	9.351995	0.006150	0.092716
## 8289	105	8.558695	0.023346	0.105893
## 2877	480	4.861371	0.015994	0.126328
## 14701	53	3.531713	0.024024	0.067099
## 5695	1388	7.714456	0.015892	0.136982
## 7670	25	19.446583	0.010351	0.109250
## 20861	67	16.599989	0.017449	0.126726
## 18840	209	9.797430	0.017060	0.131983
## 11394	62	2.550921	0.019759	0.096976
## 20860	94	3.975449	0.012699	0.168185
## 6475	111	9.512867	0.023890	0.114048
## 816	189	3.064978	0.012027	0.134474
## 3760	31	11.933577	0.016822	0.076109
## 12736	25	17.698599	0.012473	0.073000
## 9962	454	8.066566	0.017580	0.137996
## 1331	58	12.065881	0.017164	0.076401
## 19202	60	17.156399	0.017164	0.104427
## 9534	114	4.876845	0.021924	0.113871
## 17523	39	3.663102	0.007963	0.075000
## 14932	367	3.073252	0.011833	0.096313
## 12069	51	2.288625	0.016605	0.119485
## 5253	35	10.396086	0.022808	0.062054
## 13512	25	34.853107	0.004742	0.114750
## 15901	122	19.675488	0.012437	0.109810
## 22291	84	7.571828	0.003172	0.141704
## 13329	712	9.013478	0.017674	0.161126
## 21532	30	6.965343	0.013455	0.107917
## 1000	101	4.739630	0.017460	0.100124
## 6340	47	10.032887	0.028696	0.046809
## 7214	73	6.957582	0.016516	0.113827
## 20599	60	17.282753	0.019384	0.136771
## 10068	28	21.628412	0.016136	0.119643
## 13371	25	58.972115	0.015937	0.117750
## 22288	30	1.482231	0.015245	0.037708
## 18242	99	6.360004	0.021017	0.104325
## 22487	58	4.166553	0.024519	0.067080
## 11978	25	12.454998	0.019762	0.072000
## 85	44	7.179190	0.013784	0.092472
## 16547	65	12.509923	0.016361	0.042644
## 5757	58	19.979248	0.022734	0.109106
## 14812	38	8.430639	0.007278	0.168668
## 15802	82	7.812554	0.013564	0.079421
## 4872	38	4.963100	0.015005	0.141283
## 5479	25	3.374464	0.021211	0.090750
## 20031	61	10.008345	0.018476	0.104816
## 992	363	22.356285	0.016175	0.138318
## 5273	36	16.502157	0.009009	0.078646
## 65	86	8.470881	0.011588	0.098910
## 21837	123	19.123343	0.024879	0.092276
## 5955	49	7.387911	0.009041	0.182589
## 1539	2009	3.139035	0.016619	0.096079
## 10362	159	16.471760	0.017066	0.140861
## 15320	26	10.817536	0.023687	0.092788

## 20304	572	8.370024	0.012031 0.152890
## 253	96	5.578532	0.020905 0.061458
## 6481	36	19.203026	0.015282 0.121615
## 20959	50	11.907941	0.019603 0.096812
## 2966	63	7.020993	0.011820 0.154960
## 20362	221	6.717365	0.016804 0.135577
## 1647	128	3.952247	0.015967 0.119727
## 4985	65	10.234077	0.018935 0.067452
## 21351	52	7.697092	0.019274 0.077224
## 4737	55	7.540188	0.015944 0.067670
## 15453	50	6.509856	0.024237 0.108187
## 11586	58	6.454716	0.015907 0.115194
## 4504	49	10.592391	0.011212 0.106505
## 3374	62	18.168125	0.015397 0.123689
## 21311	25	49.004391	0.003552 0.065750
## 15609	25	35.520855	0.017211 0.085750
## 15214	52	8.320289	0.020038 0.117067
## 5052	28	22.623991	0.004781 0.048772
## 9605	69	17.636511	0.016226 0.084511
## 9552	25	25.313601	0.010468 0.112125
## 1945	81	16.025728	0.017684 0.105054
## 9852	25	25.717279	0.015715 0.096125
## 15497	25	12.358789	0.011339 0.085625
## 18764	25	13.124872	0.014523 0.103375
## 14624	27	32.906963	0.012918 0.057523
## 593	38	30.428858	0.020315 0.081332
## 3154	42	3.391028	0.017633 0.124777
## 6904	27	21.356449	0.009627 0.103588
## 3592	456	3.175311	0.018829 0.080297
## 2497	84	8.944818	0.017613 0.109970
## 21369	47	13.072918	0.021967 0.105585
## 21490	25	38.873287	0.018337 0.143375
## 3666	25	21.171762	0.020611 0.048375
## 21972	25	15.101676	0.023786 0.088500
## 8083	343	5.956524	0.016408 0.156031
## 21691	25	22.993145	0.021016 0.087375
## 9421	48	8.946561	0.014540 0.061198
## 11887	38	6.549446	0.017586 0.099260
## 12489	51	5.014874	0.018307 0.108640
## 3886	45	8.728555	0.018206 0.090556
## 18336	35	12.434971	0.019868 0.088214
## 3188	28	8.109303	0.022929 0.070759
## 19990	172	6.450816	0.019080 0.139099
## 20407	25	20.232542	0.018807 0.081250
## 15063	48	8.760151	0.023014 0.108724
## 12234	36	3.863900	0.022394 0.091146
## 15825	58	8.406994	0.011239 0.099838
## 17775	43	13.899316	0.010971 0.066497
## 7336	38	11.391609	0.011692 0.088322
## 18831	25	12.302163	0.014620 0.087500
## 2858	52	6.988159	0.020754 0.099219
## 17271	179	10.858661	0.015002 0.089927
## 9640	38	19.158306	0.019311 0.102138
## 12990	37	9.247392	0.018119 0.171959

## 8647	466	8.173213	0.017700	0.116611
## 6352	41	16.263004	0.008275	0.118979
## 8781	53	9.015285	0.017517	0.112559
## 8837	25	1.609772	0.004970	0.130625
## 8044	25	29.146145	0.015445	0.123375
## 12403	25	25.056273	0.019158	0.101625
## 1551	25	11.080488	0.008075	0.118625
## 6314	47	17.767151	0.013354	0.123205
## 11312	62	38.871956	0.019190	0.158367
## 5054	37	21.459223	0.007997	0.034037
## 1613	166	3.796669	0.012982	0.141566
## 16777	53	6.600799	0.024121	0.170814
## 20809	39	19.843021	0.020430	0.071074
## 15140	25	5.432839	0.011984	0.078375
## 5637	2618	8.541580	0.016772	0.148289
## 8798	143	10.799235	0.014463	0.136495
## 9522	27	45.123398	0.018786	0.117593
## 11758	158	11.709985	0.017048	0.173062
## 22236	109	10.363306	0.013673	0.101290
## 21561	82	40.335861	0.009211	0.080526
## 11178	35	31.891033	0.015516	0.131875
## 21218	41	25.678843	0.012270	0.115244
## 5596	25	26.606352	0.010444	0.085875
## 1153	25	18.659996	0.012533	0.151625
## 5561	734	4.400940	0.020137	0.158924
## 11225	25	15.621127	0.017391	0.132000
## 11696	148	18.380890	0.013864	0.132918
## 16883	25	26.802439	0.021988	0.085000
## 4767	40	22.280029	0.024138	0.083984
## 11841	56	10.086870	0.014995	0.119308
## 977	25	18.794640	0.019905	0.079625
## 22481	28	4.205821	0.020159	0.095647
## 1140	25	18.161013	0.018482	0.117750
## 199	30	1.156512	0.023785	0.093958
## 18247	104	4.885993	0.018985	0.115835
## 7097	31	5.286848	0.005086	0.113407
## 12548	121	11.581123	0.022655	0.075000
## 16420	653	3.571832	0.015218	0.151335
## 11379	37	11.350843	0.012183	0.065203
## 15847	111	35.663139	0.012017	0.101999
## 13994	48	17.818844	0.018576	0.120117
## 12665	65	9.687428	0.015882	0.082452
## 26	107	2.828610	0.012008	0.117815
## 3492	121	7.872546	0.020230	0.117123
## 6309	595	7.381548	0.017492	0.133099
## 7084	30	19.339735	0.013623	0.042292
## 19479	51	17.200190	0.021921	0.116115
## 10100	28	27.005724	0.014928	0.092411
## 712	182	2.947858	0.014423	0.118372
## 16461	164	12.565626	0.019033	0.104649
## 6568	172	8.709849	0.014798	0.090189
## 21833	26	25.882973	0.020873	0.062139
## 5033	26	30.966322	0.015191	0.068990
## 3849	146	4.715470	0.016478	0.100664

## 14608	25	32.876358	0.002826	0.101375
## 9952	126	9.748267	0.013543	0.121205
## 17225	33	28.734638	0.016447	0.102557
## 8768	33	24.092226	0.013805	0.091761
## 72	90	10.839178	0.010546	0.096007
## 18440	208	7.227307	0.010535	0.136058
## 16870	137	7.049759	0.013534	0.101893
## 9618	28	26.192141	0.014670	0.084040
## 9842	46	2.620446	0.023203	0.100272
## 1259	213	2.187622	0.016158	0.141623
## 3158	264	4.198932	0.021256	0.098260
## 21650	44	13.834335	0.019996	0.134872
## 1578	1605	3.322654	0.013719	0.130409
## 363	25	18.842646	0.002315	0.184625
## 18817	704	6.523290	0.016459	0.138690
## 15749	107	3.491272	0.015153	0.131454
## 3605	39	13.645554	0.019847	0.091506
## 11186	227	15.819582	0.015877	0.159843
## 6220	25	10.292379	0.018839	0.101625
## 11649	90	14.112404	0.014688	0.065799
## 19819	25	25.275673	0.011797	0.129875
## 22448	25	27.075447	0.011476	0.099875
## 9249	166	6.306855	0.014698	0.073532
## 21971	32	19.150030	0.016622	0.142578
## 5254	37	11.307561	0.009474	0.068074
## 13230	33	20.920324	0.007125	0.175189
## 4339	939	3.592641	0.015821	0.124188
## 11486	78	1.969784	0.018040	0.106450
## 14168	59	22.788666	0.020533	0.102595
## 6541	124	3.974513	0.019364	0.072833
## 19611	25	23.315449	0.011192	0.067500
## 18017	33	8.968970	0.013769	0.081250
## 10142	2655	5.826646	0.015491	0.128677
## 11110	601	6.549839	0.014487	0.165880
## 17600	58	18.462118	0.018138	0.125108
## 5860	1539	7.856388	0.017034	0.139199
## 12845	102	6.266364	0.018113	0.081005
## 10185	40	17.645277	0.019134	0.113906
## 11448	28	4.688520	0.014488	0.108705
## 4026	154	5.414171	0.018893	0.091741
## 11810	25	7.287953	0.018487	0.048125
## 757	27	8.107418	0.018759	0.064352
## 16348	29	11.856812	0.016261	0.116703
## 20538	804	13.086748	0.014283	0.165364
## 11404	45	11.076934	0.022959	0.119792
## 18509	395	14.644950	0.017252	0.173813
## 295	66	11.073011	0.021046	0.113968
## 4933	121	12.777703	0.014527	0.080837
## 8588	124	11.354888	0.011509	0.130544
## 3278	724	3.802652	0.018301	0.098200
## 3705	76	1.569458	0.020288	0.063117
## 19049	29	1.525523	0.013588	0.157004
## 13819	29	14.773801	0.016542	0.120690
## 9316	25	25.954815	0.016782	0.101750

## 7065	33	3.403891	0.017707 0.098390
## 3141	37	21.670620	0.016188 0.135811
## 15189	68	1.836534	0.016609 0.136949
## 21594	36	40.006714	0.016558 0.099566
## 20982	62	13.577525	0.013075 0.162248
## 12202	70	16.466862	0.018492 0.080357
## 18868	803	8.098902	0.015363 0.125977
## 20952	34	3.072120	0.017800 0.111673
## 15962	25	4.014813	0.015021 0.133750
## 3427	204	3.160753	0.018650 0.091268
## 9881	101	14.556983	0.018161 0.127506
## 261	123	6.326540	0.020031 0.087373
## 11888	28	20.032104	0.012718 0.092187
## 120	29	11.056192	0.014998 0.090733
## 21992	40	17.243549	0.026250 0.057969
## 1659	89	2.974315	0.016441 0.109726
## 8632	67	18.477024	0.007870 0.042024
## 1604	969	3.421916	0.015649 0.133224
## 8162	131	6.152868	0.016155 0.095277
## 16336	374	3.535197	0.019101 0.157904
## 18546	992	8.405458	0.017264 0.148412
## 18167	36	11.736348	0.009942 0.126042
## 10018	491	8.029354	0.012598 0.126788
## 15304	109	15.514037	0.018773 0.085694
## 6176	25	24.658422	0.014280 0.110250
## 6683	836	3.980635	0.015065 0.147664
## 16421	93	1.421002	0.011797 0.218044
## 4173	97	11.904015	0.014545 0.122455
## 18165	39	5.931868	0.009628 0.177724
## 10276	29	24.657576	0.018809 0.079526
## 7278	118	7.711404	0.010302 0.102569
## 19672	25	23.631626	0.025055 0.070875
## 7586	76	21.630941	0.010830 0.131743
## 15568	224	6.844146	0.015715 0.099205
## 6870	32	1.270470	0.007276 0.077930
## 17630	47	2.576791	0.020507 0.104787
## 4589	30	8.362901	0.014568 0.068125
## 10387	25	18.219238	0.017775 0.131750
## 8183	95	7.727845	0.012468 0.146875
## 12486	25	23.026878	0.017193 0.106125
## 1505	94	5.130530	0.015753 0.112866
## 20756	265	10.012920	0.020042 0.113998
## 14484	52	12.626252	0.024972 0.075120
## 3	82	5.860583	0.025948 0.082317
## 617	29	8.167702	0.017510 0.106789
## 17220	116	6.748219	0.011421 0.113820
## 18896	30	18.486053	0.015444 0.095417
## 19753	65	23.169092	0.017670 0.087356
## 10436	38	1.914856	0.018531 0.060526
## 5272	25	8.726148	0.009019 0.103750
## 15244	61	2.480776	0.021488 0.105021
## 4829	98	2.682420	0.021659 0.125670
## 21786	55	15.140297	0.009293 0.125114
## 5015	164	13.829414	0.021387 0.059013

## 11675	164	11.063087	0.017158 0.103125
## 15385	29	6.744738	0.011541 0.120690
## 14652	25	24.211407	0.023378 0.078875
## 19496	193	13.458899	0.020518 0.181752
## 19646	30	33.024742	0.019689 0.165208
## 20392	34	21.964766	0.013028 0.114338
## 21212	179	6.968092	0.012655 0.107437
## 6750	25	7.241141	0.009068 0.094875
## 16339	25	7.961926	0.020115 0.100625
## 2074	61	5.212945	0.017811 0.083811
## 17269	63	6.972561	0.015370 0.070040
## 3575	78	3.360660	0.016898 0.110857
## 12454	28	25.729343	0.008931 0.089286
## 16424	30	7.088887	0.011220 0.140833
## 4852	57	14.933679	0.025008 0.061568
## 5278	65	13.471164	0.011113 0.116202
## 1142	127	8.095116	0.016608 0.117667
## 12038	42	23.415966	0.010838 0.097917
## 7562	26	12.446742	0.018365 0.085817
## 20567	29	1.568060	0.005729 0.067349
## 4478	84	5.601481	0.016669 0.113988
## 8497	32	6.467250	0.023315 0.163574
## 15429	25	22.702547	0.016544 0.133875
## 1424	25	32.818699	0.013693 0.091000
## 14798	25	19.969877	0.010153 0.047500
## 7505	109	5.244861	0.031683 0.065367
## 20536	1498	6.680310	0.016158 0.147462
## 20010	25	23.059212	0.020651 0.088875
## 9072	25	10.075377	0.015392 0.136875
## 6881	30	19.626472	0.015565 0.098229
## 20640	38	23.273901	0.019831 0.137253
## 9387	179	21.405544	0.015524 0.081634
## 8279	56	8.818201	0.013036 0.082199
## 12577	25	23.906151	0.022479 0.047000
## 10141	98	5.959322	0.015325 0.114796
## 18540	80	17.909473	0.008309 0.096484
## 11356	149	4.688555	0.017425 0.100818
## 17622	130	7.671626	0.017247 0.089329
## 5474	27	16.085947	0.016666 0.089699
## 8955	28	29.414459	0.001263 0.078348
## 21894	87	15.422729	0.020014 0.080927
## 15591	25	30.253782	0.015966 0.073125
## 6680	28	24.081518	0.014086 0.130915
## 6100	27	5.501267	0.009615 0.168171
## 4441	25	12.251630	0.018534 0.078250
## 17722	25	5.917405	0.016187 0.137125
## 5999	25	7.542478	0.004066 0.077875
## 9090	49	19.186863	0.019596 0.133929
## 22400	956	8.446847	0.015301 0.165893
## 4341	244	3.281726	0.015228 0.125371
## 17276	32	28.152288	0.005471 0.082227
## 8231	28	25.575695	0.022871 0.088616
## 17555	26	4.356609	0.006444 0.103486
## 6548	37	5.401573	0.007173 0.055405

## 4901	26	33.547626	0.019154	0.047356
## 3436	273	3.857593	0.015917	0.114435
## 15045	29	1.913656	0.000366	0.052263
## 14633	74	12.000664	0.013147	0.106630
## 2445	45	4.611310	0.014636	0.113542
## 16794	64	3.292358	0.019862	0.065625
## 14238	88	29.238312	0.014117	0.102450
## 19716	25	14.330069	0.023154	0.064750
## 4842	36	18.151035	0.016174	0.066406
## 17955	285	11.610044	0.014596	0.118695
## 14520	104	6.880554	0.015090	0.125421
## 15050	25	10.481864	0.020175	0.069000
## 12944	25	19.579742	0.009805	0.092375
## 6844	34	3.579807	0.011485	0.093474
## 7043	310	9.573083	0.016789	0.128085
## 17242	47	36.201031	0.016489	0.108511
## 6729	54	6.256481	0.016934	0.091088
## 2890	426	2.252250	0.017350	0.105670
## 15501	131	3.455265	0.020028	0.137786
## 8050	25	12.723804	0.018785	0.146500
## 2598	79	6.566246	0.011611	0.096123
## 6736	91	18.180229	0.016646	0.134203
## 3090	237	4.422562	0.015836	0.125567
## 13740	59	22.922148	0.013833	0.116525
## 10423	25	17.028883	0.007005	0.194000
## 19915	34	2.336124	0.015141	0.127757
## 19360	25	12.567771	0.011924	0.167375
## 5168	95	16.473642	0.015226	0.122961
## 118	73	8.164434	0.009990	0.102997
## 4399	25	20.793970	0.010242	0.206750
## 17007	41	7.396697	0.019187	0.110747
## 8754	37	5.237180	0.010999	0.158361
## 12723	66	6.611569	0.014684	0.079782
## 15346	149	4.689986	0.018238	0.105306
## 21069	62	6.784759	0.018806	0.108417
## 21887	184	5.041066	0.018164	0.088094
## 17935	917	7.471295	0.015784	0.125297
## 9486	48	7.298682	0.019867	0.105990
## 9073	25	15.617949	0.018489	0.123375
## 16552	41	3.268454	0.016162	0.093064
## 1694	107	3.769759	0.019487	0.109433
## 7358	217	11.470263	0.021792	0.146414
## 19855	823	7.736460	0.015669	0.121416
## 6832	25	19.617672	0.013535	0.070000
## 3172	64	11.311018	0.015263	0.153223
## 11244	25	12.580818	0.012682	0.133750
## 17010	83	3.275271	0.015405	0.111973
## 766	114	2.643613	0.020363	0.095066
## 14625	25	32.970917	0.014861	0.060375
## 2081	58	19.920059	0.019290	0.073599
## 3683	226	3.388008	0.023616	0.085606
## 14807	88	3.825584	0.019913	0.067081
## 20559	32	10.156699	0.006906	0.060352
## 20852	29	1.555157	0.016087	0.138254

## 1697	25	15.527175	0.015550	0.053875
## 17647	25	11.474770	0.002066	0.083375
## 10321	94	6.386279	0.006542	0.155186
## 15617	25	19.819077	0.005123	0.060625
## 17977	26	2.381606	0.018702	0.098438
## 7982	25	37.770840	0.023583	0.098250
## 4116	51	7.983917	0.018025	0.109620
## 2142	29	21.356709	0.008782	0.099677
## 8526	34	15.353898	0.009477	0.139982
## 15158	29	2.270373	0.021217	0.061530
## 4752	229	3.467548	0.015209	0.093150
## 5971	50	12.979942	0.016605	0.174312
## 5675	97	13.752553	0.010122	0.091398
## 4862	36	20.938423	0.017713	0.108420
## 9684	73	4.829177	0.022691	0.110873
## 20738	25	39.587250	0.021144	0.090000
## 8718	25	12.128605	0.007885	0.098000
## 847	69	17.315269	0.020240	0.059918
## 15145	77	3.737120	0.014427	0.108360
## 9256	123	6.304864	0.021079	0.080843
## 1131	104	13.319668	0.019982	0.094411
## 8475	126	9.384897	0.017901	0.108557
## 17938	154	7.604510	0.020940	0.133076
## 13140	25	58.935875	0.017644	0.128250
## 11906	75	3.781672	0.017967	0.110417
## 4699	158	5.396653	0.017302	0.088726
## 9611	92	16.643513	0.015059	0.124796
## 5743	74	25.969610	0.010959	0.092399
## 13827	36	17.186747	0.017780	0.146267
## 5324	221	18.457418	0.020142	0.119641
## 6289	616	9.059752	0.018586	0.119795
## 393	49	7.387911	0.009041	0.182589
## 11133	1428	5.785722	0.017724	0.148019
## 8827	37	18.873575	0.018308	0.085135
## 9700	41	15.973575	0.017721	0.148018
## 8561	55	5.942729	0.014624	0.107557
## 18104	155	6.658732	0.019307	0.125202
## 723	52	9.235858	0.014178	0.102704
## 13642	65	22.584019	0.019450	0.112115
## 7921	25	14.353717	0.002009	0.088375
## 7078	39	10.040115	0.016900	0.055208
## 11825	139	12.483791	0.005472	0.110027
## 9643	25	50.504093	0.016434	0.078875
## 6015	123	2.491575	0.019706	0.085874
## 2765	323	1.971333	0.018719	0.112606
## 9878	44	13.981717	0.020189	0.126491
## 13586	57	10.512320	0.019603	0.112061
## 13397	67	14.240611	0.019994	0.137174
## 5685	1337	7.462811	0.016077	0.140083
## 11065	348	8.249858	0.018490	0.138856
## 9647	36	41.941154	0.026934	0.065538
## 5559	612	3.564844	0.019528	0.139134
## 6674	73	29.810472	0.014447	0.114598
## 18855	275	10.915174	0.016829	0.131750

## 16202	116	13.313480	0.017892	0.088685
## 4036	212	1.425952	0.016972	0.091583
## 86	45	2.465352	0.010591	0.076250
## 5792	29	14.801029	0.016988	0.148168
## 16058	37	21.515095	0.015174	0.063260
## 986	25	16.379589	0.015079	0.089875
## 14397	29	21.226414	0.023794	0.087500
## 8854	25	8.003812	0.013977	0.117000
## 15075	57	11.550333	0.021948	0.137007
## 11965	36	14.487676	0.017675	0.124045
## 1078	61	2.440697	0.014826	0.139344
## 691	109	4.440603	0.016576	0.099885
## 713	321	2.445115	0.015076	0.123657
## 517	31	8.716082	0.013888	0.036996
## 3229	182	3.115259	0.019045	0.105392
## 14415	190	9.243154	0.015120	0.126299
## 18595	731	12.585915	0.014089	0.146281
## 17435	284	8.798396	0.013089	0.130414
## 4797	50	5.930800	0.015341	0.145125
## 19478	26	9.978128	0.021388	0.087740
## 18238	34	7.727314	0.017722	0.097335
## 6379	95	12.933124	0.013464	0.152796
## 13262	890	9.202942	0.015322	0.146436
## 11904	32	0.789546	0.013188	0.088965
## 2163	114	2.949521	0.018130	0.097451
## 19622	27	22.811497	0.020837	0.114005
## 3772	133	19.521564	0.016321	0.112547
## 804	48	8.116673	0.015189	0.068945
## 3111	147	3.358630	0.012542	0.107568
## 6088	235	13.217411	0.016927	0.146223
## 20505	29	23.665684	0.015860	0.110560
## 2955	1696	2.259214	0.015570	0.124606
## 4918	294	16.099657	0.019053	0.093335
## 18088	44	15.048896	0.014636	0.117401
## 7723	59	16.954062	0.020696	0.132309
## 648	101	8.046714	0.017411	0.068874
## 4371	299	3.260067	0.017109	0.135671
## 8792	59	4.652723	0.017891	0.122299
## 17482	25	26.656422	0.019398	0.111375
## 20295	347	8.444464	0.017007	0.137095
## 10604	43	3.200355	0.020943	0.107122
## 2325	66	14.787876	0.016569	0.145881
## 9828	58	20.281210	0.016181	0.084159
## 7415	151	7.939366	0.014642	0.108009
## 15787	25	17.134222	0.018050	0.094875
## 2423	30	12.220876	0.014742	0.066354
## 905	319	2.551613	0.015423	0.218966
## 5222	79	5.477984	0.009390	0.075910
## 19169	58	13.041995	0.017204	0.119612
## 6498	426	6.484990	0.014204	0.154409
## 17508	25	14.225050	0.009988	0.082875
## 7532	175	3.874506	0.013718	0.102232
## 19791	38	2.994385	0.017199	0.089720
## 1911	34	13.427805	0.021240	0.088327

## 14364	67	15.920835	0.013534 0.153125
## 17678	25	7.990286	0.011245 0.098000
## 6614	27	15.141171	0.018291 0.074190
## 21306	53	15.064192	0.005344 0.134847
## 16033	88	7.547136	0.015366 0.123722
## 1451	176	4.723484	0.020633 0.107120
## 12406	25	11.961445	0.019151 0.121500
## 8644	112	5.325675	0.015377 0.111440
## 205	40	9.823274	0.012400 0.142031
## 13396	73	4.853611	0.017954 0.127825
## 304	41	16.212648	0.019717 0.116235
## 2001	832	19.002094	0.014048 0.155029
## 8793	50	5.583842	0.016895 0.104000
## 4595	36	2.380598	0.013057 0.077083
## 12425	35	10.611279	0.019076 0.110446
## 592	32	12.039884	0.018611 0.075977
## 1286	82	8.870381	0.016680 0.072218
## 18736	31	6.563503	0.014846 0.114516
## 4082	53	7.860814	0.020249 0.093337
## 18983	68	20.637083	0.015450 0.111121
## 916	74	13.859855	0.014772 0.119679
## 13214	148	18.129204	0.016862 0.118285
## 11094	2243	7.690793	0.017253 0.151531
## 21006	37	38.978886	0.019723 0.128547
## 8833	25	23.221434	0.006593 0.075125
## 15757	124	5.101062	0.017838 0.100428
## 15640	64	10.461358	0.011050 0.126221
## 20271	30	18.594517	0.015077 0.120625
## 16106	32	11.413994	0.020987 0.125195
## 8109	28	6.348708	0.012784 0.087612
## 9423	92	11.339000	0.019163 0.076529
## 17709	110	5.089555	0.014000 0.108239
## 7128	244	14.628161	0.014517 0.148297
## 528	55	5.589220	0.015575 0.073352
## 565	54	7.337507	0.010532 0.091840
## 21007	50	7.493534	0.020011 0.118937
## 1077	120	7.777101	0.015038 0.162292
## 20853	73	5.004140	0.017063 0.131807
## 15554	65	4.103187	0.016970 0.123846
## 5722	59	35.417519	0.016566 0.117426
## 2193	65	4.113323	0.019754 0.079087
## 18811	719	9.647963	0.016923 0.131828
## 21436	142	16.261341	0.019139 0.181558
## 18008	43	8.893326	0.013705 0.141352
## 18721	62	13.387587	0.011255 0.176059
## 1650	2668	4.062786	0.014859 0.136776
## 1630	178	5.388998	0.013652 0.132549
## 19947	25	16.273539	0.013301 0.112750
## 11754	134	8.997857	0.019410 0.168050
## 8112	25	9.183929	0.013436 0.063875
## 5519	27	24.988417	0.018177 0.065162
## 16003	91	21.572184	0.023904 0.095639
## 20636	58	13.345234	0.012760 0.131142
## 12638	26	7.503816	0.009020 0.100601

## 5212	27	25.451578	0.014679 0.102662
## 9402	56	13.806642	0.014199 0.135100
## 4641	31	16.568928	0.018054 0.074194
## 12604	65	6.972369	0.017300 0.095192
## 11925	143	7.761847	0.011713 0.081447
## 12016	42	4.066412	0.018638 0.115402
## 1449	42	4.105268	0.018257 0.115327
## 15676	91	8.634727	0.021968 0.108619
## 570	78	11.698610	0.011776 0.129287
## 2191	147	13.640187	0.017420 0.096216
## 5299	93	7.171687	0.018659 0.104133
## 19407	25	50.207924	0.020538 0.070500
## 3640	25	22.033031	0.017046 0.108875
## 9914	25	34.833408	0.017758 0.088375
## 2832	39	5.437608	0.017173 0.065465
## 14886	69	8.256905	0.016865 0.050770
## 12651	65	4.174252	0.016456 0.030913
## 7598	32	30.212469	0.010372 0.134961
## 6574	57	5.684062	0.013132 0.098849
## 5731	44	7.549477	0.018343 0.087642
## 11409	53	8.011218	0.018856 0.087087
## 9491	25	24.081287	0.016719 0.115750
## 11067	1626	8.325773	0.014937 0.126482
## 4912	59	4.214377	0.015936 0.087553
## 9132	58	17.489300	0.017024 0.178825
## 17539	46	9.566485	0.020892 0.139878
## 2861	36	5.740472	0.015731 0.076389
## 8567	43	15.512561	0.011601 0.088445
## 17085	70	28.982906	0.007828 0.091786
## 10006	1154	7.435814	0.016827 0.138360
## 3695	347	4.350469	0.018822 0.103278
## 7122	111	7.155560	0.022821 0.102393
## 2879	25	31.850437	0.014644 0.109000
## 21947	58	8.351482	0.013230 0.128125
## 5482	62	3.249669	0.012337 0.116179
## 5443	124	11.600950	0.014598 0.105746
## 11511	28	13.345099	0.012048 0.180915
## 1261	180	2.595376	0.017302 0.127899
## 8695	127	6.204385	0.013598 0.102092
## 9644	33	19.393244	0.019179 0.070928
## 1375	25	4.878803	0.000206 0.024625
## 3699	227	3.456461	0.017944 0.096737
## 8662	54	23.854485	0.013474 0.101157
## 17807	100	14.392761	0.013320 0.085781
## 11621	39	6.275962	0.015769 0.113782
## 13875	66	21.694193	0.021817 0.114489
## 20571	94	18.338522	0.017874 0.072739
## 5193	28	6.136594	0.016787 0.123772
## 21700	63	11.684999	0.019855 0.116220
## 6648	305	15.857212	0.016893 0.133064
## 22534	25	9.358343	0.026558 0.111375
## 14178	25	3.685061	0.017166 0.103500
## 21906	104	17.758871	0.017531 0.093329
## 20502	421	13.768919	0.015943 0.146526

## 2800	73	25.859709	0.016715	0.113656
## 18082	37	8.850276	0.008884	0.116976
## 17535	120	4.950784	0.014018	0.108490
## 4978	55	10.428798	0.012877	0.108239
## 8566	39	11.348194	0.010156	0.075080
## 18486	43	4.758584	0.021966	0.114244
## 13280	261	16.588551	0.015315	0.159483
## 18927	29	1.516772	0.013234	0.130603
## 18652	96	5.608567	0.009791	0.084733
## 6383	32	3.536273	0.011683	0.101660
## 6040	423	10.118321	0.014859	0.103879
## 2053	27	6.458272	0.017196	0.095023
## 10921	43	1.161426	0.007797	0.202108
## 11805	33	3.475409	0.016937	0.082481
## 5175	37	10.605258	0.017769	0.099409
## 19594	96	8.841517	0.016608	0.136100
## 1236	696	2.341406	0.015953	0.134029
## 20779	25	43.974979	0.007799	0.120375
## 16795	28	2.889587	0.014303	0.080246
## 22024	86	15.930065	0.015217	0.124964
## 12184	25	20.291309	0.008834	0.090875
## 6321	151	3.317426	0.017441	0.144847
## 15259	131	3.388648	0.017476	0.134995
## 10410	65	5.956111	0.017248	0.112163
## 10791	25	25.970264	0.004166	0.109250
## 2727	59	4.398912	0.019637	0.134428
## 18791	33	27.311003	0.018453	0.133996
## 11588	60	12.279710	0.017074	0.098490
## 16564	54	4.357468	0.012777	0.087789
## 5132	25	6.630436	0.007409	0.054500
## 10155	25	9.851070	0.019044	0.031250
## 18244	25	4.907226	0.018059	0.085125
## 2450	95	11.127152	0.019885	0.088717
## 11285	42	1.483003	0.022547	0.091295
## 1102	265	11.389932	0.016872	0.107465
## 20967	62	6.676330	0.020548	0.129133
## 5305	92	6.411007	0.022246	0.123132
## 4150	168	8.211931	0.017563	0.099144
## 17945	25	47.226471	0.011214	0.147250
## 7365	25	39.670029	0.016390	0.096625
## 5154	25	17.620098	0.012501	0.086125
## 9161	63	13.858766	0.031750	0.034970
## 2278	32	7.407117	0.018334	0.081055
## 17332	35	12.970848	0.022340	0.080268
## 12730	25	28.420195	0.014282	0.057375
## 3254	132	5.580255	0.015528	0.089347
## 22349	25	13.557470	0.019738	0.081375
## 9330	33	4.489746	0.017511	0.114299
## 5125	36	22.468494	0.005131	0.078125
## 8648	169	14.799294	0.014994	0.093510
## 10169	25	4.932708	0.022872	0.091750
## 18800	61	18.867548	0.018927	0.149744
## 730	62	1.835318	0.019075	0.097581
## 6326	740	5.790263	0.015225	0.140562

## 20016	281	9.270977	0.021472 0.107785
## 21494	25	14.363130	0.017757 0.153500
## 11927	157	12.997690	0.007512 0.135908
## 5262	44	7.179190	0.013784 0.092472
## 1518	192	2.829906	0.016455 0.103971
## 20356	551	6.438409	0.016613 0.155825
## 2150	29	6.099517	0.020086 0.087500
## 5858	136	7.292197	0.014720 0.148093
## 18434	25	24.689655	0.011565 0.111750
## 18377	34	7.259144	0.004665 0.089246
## 7493	34	18.845383	0.017047 0.070864
## 8003	27	38.081478	0.010277 0.104861
## 10832	76	7.276917	0.014503 0.097697
## 19206	31	2.237615	0.015025 0.111391
## 3351	43	8.696726	0.019801 0.140262
## 21239	26	20.899982	0.017029 0.070312
## 9031	58	20.382267	0.020146 0.075216
## 21704	103	8.611343	0.012920 0.127579
## 12816	103	19.734196	0.012965 0.097876
## 21262	40	20.273071	0.012831 0.129531
## 6140	285	5.223821	0.019656 0.116491
## 18728	41	15.889606	0.016458 0.115015
## 2117	36	10.874981	0.015272 0.108681
## 12296	88	4.576717	0.012600 0.098295
## 21598	31	25.935522	0.016280 0.076109
## 6307	279	10.516561	0.018284 0.112433
## 21120	114	5.134352	0.020241 0.123794
## 2178	73	11.653479	0.019201 0.102269
## 19363	148	17.658045	0.013644 0.200169
## 16452	172	5.358130	0.015560 0.092187
## 20240	257	10.962269	0.004639 0.124283
## 15526	100	6.057828	0.018372 0.077437
## 19182	33	4.425154	0.016428 0.110511
## 10139	2606	7.641439	0.015356 0.120724
## 10606	25	17.723593	0.017504 0.105500
## 3390	105	3.219518	0.018488 0.122560
## 5906	176	9.218603	0.015822 0.108008
## 16615	74	3.584270	0.021143 0.087162
## 475	41	22.468733	0.016617 0.080335
## 4944	160	20.782349	0.017010 0.083105
## 2980	100	5.113161	0.010308 0.141000
## 3981	61	6.679275	0.017822 0.100051
## 11817	44	8.163588	0.021825 0.091335
## 21822	53	2.710745	0.019974 0.085200
## 18775	25	13.606185	0.019311 0.097375
## 6254	50	13.167900	0.018055 0.069687
## 5598	435	11.585946	0.018147 0.110029
## 8645	291	5.679658	0.014569 0.106368
## 11106	184	11.653296	0.014061 0.134987
## 22186	40	7.122824	0.012525 0.142578
## 15888	231	17.694445	0.014387 0.089624
## 2772	126	3.381909	0.018398 0.110590
## 5929	44	9.817827	0.016861 0.101278
## 3200	108	2.760355	0.009533 0.137355

## 20888	25	26.802362	0.022837 0.061125
## 21703	178	15.587023	0.020023 0.118171
## 438	64	3.543476	0.007293 0.083887
## 6910	56	3.710402	0.015479 0.112667
## 13215	62	18.870749	0.025648 0.161643
## 15001	282	16.742212	0.018810 0.085029
## 7625	62	1.489623	0.009336 0.107107
## 11722	369	11.199120	0.017641 0.199035
## 15654	31	2.365247	0.010800 0.081956
## 10188	25	7.048521	0.019389 0.093000
## 10108	48	13.225980	0.009788 0.108008
## 14041	127	16.067570	0.019273 0.112598
## 9883	32	6.368533	0.012098 0.137012
## 2538	41	6.465858	0.017864 0.073780
## 11942	32	3.852536	0.015010 0.075098
## 21339	30	18.592651	0.007950 0.088229
## 7182	47	4.741588	0.019733 0.085904
## 13687	104	9.423317	0.019541 0.118299
## 6292	116	11.811210	0.015687 0.098491
## 22104	91	20.784401	0.014708 0.120330
## 14936	73	10.519386	0.016490 0.121404
## 3824	158	3.707652	0.013969 0.119739
## 4846	25	33.045330	0.012920 0.102000
## 6509	25	31.334072	0.015957 0.122750
## 4571	25	31.287651	0.012655 0.108750
## 18910	60	6.489095	0.015023 0.089219
## 11091	762	10.194252	0.014388 0.159478
## 7357	46	10.640543	0.022336 0.091644
## 21307	81	4.715116	0.005136 0.086998
## 7720	88	9.813079	0.022934 0.146555
## 3491	25	4.841245	0.015560 0.109750
## 19406	27	13.818329	0.020222 0.071065
## 21506	25	12.794198	0.021297 0.093750
## 8679	25	20.225815	0.017291 0.129000
## 13859	25	12.699494	0.018653 0.094500
## 18678	61	6.689828	0.016417 0.086783
## 21199	75	6.306039	0.011196 0.100708
## 19644	25	30.359316	0.021354 0.150750
## 17608	98	19.179617	0.004333 0.086448
## 3803	25	12.446042	0.015016 0.090000
## 10814	25	7.194763	0.010753 0.138125
## 16629	45	1.670469	0.023994 0.067431
## 18018	25	3.630539	0.003592 0.087000
## 184	37	9.208717	0.012294 0.076943
## 6743	40	16.854305	0.009326 0.180000
## 9523	60	9.081355	0.019915 0.123490
## 15722	75	12.635738	0.013707 0.101417
## 9315	36	18.148121	0.013120 0.155208
## 1265	145	2.261172	0.016939 0.121056
## 18590	201	12.724095	0.018201 0.129711
## 18672	33	20.242487	0.013296 0.085133
## 7289	36	13.221538	0.012291 0.119878
## 19136	31	1.705017	0.014630 0.118044
## 13062	1409	7.406875	0.016225 0.138343

## 21878	191	6.384157	0.025461 0.109849
## 10784	55	17.781845	0.014843 0.118125
## 17786	34	24.979094	0.012712 0.054688
## 8596	25	15.523202	0.009290 0.093750
## 7492	45	3.092977	0.008403 0.093958
## 11159	1055	8.797773	0.016146 0.145637
## 1242	452	4.317828	0.017217 0.137832
## 12351	954	6.463037	0.015568 0.125407
## 13743	28	16.105015	0.013402 0.093192
## 13551	39	19.186827	0.017513 0.111538
## 1398	660	1.149659	0.017701 0.120829
## 22461	409	4.438248	0.014996 0.107793
## 19387	52	23.610899	0.005910 0.088161
## 11331	25	32.445694	0.009297 0.082500
## 15808	59	2.434456	0.013540 0.132680
## 12713	36	14.100869	0.018697 0.094184
## 9493	29	14.429065	0.019908 0.154095
## 15844	52	7.943968	0.006669 0.107272
## 10411	66	8.160777	0.014771 0.159801
## 12408	66	2.432746	0.021908 0.105587
## 21612	31	2.668285	0.015699 0.084778
## 7593	403	12.448208	0.014702 0.111151
## 8307	26	3.723461	0.012470 0.086538
## 8493	111	17.029415	0.014090 0.172297
## 12212	42	12.225814	0.008309 0.078423
## 8753	64	3.880035	0.012194 0.120361
## 21681	99	5.597820	0.020556 0.120202
## 2210	37	3.512254	0.013835 0.114696
## 13550	73	25.452236	0.020646 0.083048
## 11559	26	30.564829	0.012377 0.141587
## 22362	171	11.210794	0.016967 0.174159
## 9150	212	9.648449	0.015659 0.129231
## 7402	25	37.304142	0.026467 0.049000
## 925	102	11.978634	0.020189 0.091452
## 7016	130	20.362284	0.010612 0.162212
## 16985	60	2.618359	0.018909 0.084010
## 18715	28	12.794868	0.015603 0.106920
## 5364	76	4.840475	0.013837 0.094942
## 20180	226	11.278916	0.017009 0.157577
## 1844	39	5.710317	0.019171 0.065465
## 3943	81	11.452377	0.014980 0.103858
## 9781	779	3.493620	0.014365 0.128057
## 2057	80	4.144866	0.018115 0.088945
## 7397	70	17.040113	0.008514 0.118170
## 18147	25	8.003033	0.012595 0.080125
## 1470	28	11.158157	0.020161 0.072321
## 15029	39	6.268028	0.016286 0.108173
## 5419	88	25.660858	0.027683 0.075888
## 19013	32	43.117462	0.017821 0.069531
## 13311	468	7.077811	0.013564 0.146214
## 14958	34	6.663667	0.008371 0.175276
## 15146	94	1.344227	0.010528 0.093185
## 21795	145	12.455440	0.011745 0.146961
## 2367	260	1.950533	0.018004 0.123570

## 1397	314	3.220065	0.014995 0.106887
## 10172	43	7.039034	0.014239 0.096512
## 22270	35	6.858352	0.014290 0.073929
## 19329	25	19.346285	0.020940 0.064500
## 15106	45	8.570455	0.016990 0.145833
## 10808	25	24.379200	0.001510 0.033625
## 17182	41	5.954865	0.023625 0.150610
## 14646	25	46.987324	0.009844 0.082625
## 3881	56	12.544581	0.020224 0.114286
## 9812	123	6.420274	0.013977 0.087017
## 14905	27	16.373339	0.016249 0.124190
## 16489	59	2.753667	0.022240 0.132627
## 5862	301	8.115717	0.018240 0.120017
## 2087	115	20.980682	0.020416 0.091848
## 9933	384	5.893890	0.013745 0.125146
## 8019	30	37.269093	0.005404 0.126667
## 9000	102	5.748858	0.015771 0.092647
## 20156	89	14.091709	0.018417 0.103195
## 3031	54	3.092169	0.018022 0.105382
## 586	46	6.753657	0.015988 0.083832
## 4971	33	4.694880	0.005548 0.096307
## 738	39	9.894355	0.021355 0.059215
## 11441	25	29.076431	0.028719 0.026750
## 370	93	15.781215	0.010356 0.087601
## 21898	68	11.949753	0.011809 0.129871
## 3921	44	10.272234	0.017964 0.060582
## 245	52	16.460257	0.020787 0.125601
## 7395	96	1.999272	0.004347 0.099544
## 17150	92	4.535144	0.021245 0.086821
## 17584	133	11.490262	0.010754 0.104370
## 162	149	22.442245	0.015531 0.144589
## 8742	25	22.664831	0.011109 0.083875
## 18645	85	9.785419	0.023420 0.112831
## 21342	25	54.246235	0.017603 0.060375
## 17148	68	3.418573	0.026318 0.104136
## 9098	26	13.736814	0.014792 0.217668
## 930	247	3.368913	0.016203 0.099949
## 21161	57	13.049479	0.014588 0.112993
## 14647	209	16.104496	0.012510 0.099282
## 8630	93	21.866314	0.017369 0.100538
## 2204	106	2.887859	0.013537 0.119015
## 5655	299	10.207978	0.012371 0.099248
## 15490	25	12.488538	0.011550 0.080125
## 12790	121	12.633495	0.013992 0.162784
## 12394	31	16.580206	0.010567 0.026714
## 614	25	7.624187	0.020739 0.108250
## 2533	25	3.958406	0.018125 0.069125
## 22145	27	3.757512	0.019202 0.115509
## 11352	50	7.669627	0.014368 0.123188
## 18550	329	13.842247	0.013621 0.130955
## 6301	25	27.218201	0.020500 0.072875
## 7489	56	11.714078	0.007151 0.085491
## 15118	47	14.145422	0.017696 0.114495
## 814	1393	3.430710	0.012831 0.133803

## 10841	64	4.271025	0.021492	0.063037
## 177	26	1.771144	0.009258	0.051683
## 11194	31	12.140577	0.009133	0.046976
## 18767	25	41.314896	0.016343	0.131875
## 335	33	4.410495	0.018458	0.120644
## 4882	65	7.050963	0.020712	0.121490
## 16159	25	5.127869	0.010042	0.076875
## 14087	93	9.953679	0.011895	0.070329
## 5903	386	6.190176	0.018483	0.126069
## 13303	430	8.491810	0.018317	0.147086
## 15751	25	14.144583	0.002333	0.095125
## 8361	25	4.464118	0.010140	0.080750
## 4454	44	17.553606	0.015987	0.112784
## 13433	25	63.680767	0.017490	0.077125
## 8824	28	16.020504	0.021182	0.088281
## 16559	25	5.959235	0.019134	0.087500
## 22143	68	21.191809	0.015999	0.162960
## 173	96	5.738367	0.010185	0.075325
## 18687	25	57.948803	0.014325	0.126750
## 4976	131	10.513361	0.010540	0.125024
## 13145	51	7.838170	0.017800	0.095466
## 20914	43	8.327685	0.012151	0.101453
## 12279	37	3.363241	0.001881	0.083784
## 6633	75	28.554148	0.014664	0.131917
## 20777	306	6.196243	0.010352	0.124663
## 22375	169	7.783457	0.011595	0.165995
## 13178	25	26.115761	0.017210	0.137875
## 19617	28	27.666504	0.019898	0.102790
## 4590	37	13.783038	0.014972	0.074409
## 20715	42	10.749468	0.015589	0.101711
## 10927	68	6.146544	0.017242	0.105239
## 11851	25	7.703645	0.013735	0.091125
## 18871	47	22.280130	0.020250	0.118750
## 7990	40	28.925211	0.019582	0.088359
## 18586	203	6.390476	0.017371	0.151817
## 2209	194	2.794760	0.015369	0.135664
## 2963	39	2.207158	0.011593	0.135016
## 2776	552	2.001155	0.014362	0.111611
## 21647	41	16.951517	0.014949	0.125838
## 8375	143	14.024166	0.012974	0.090079
## 4125	88	1.637154	0.015968	0.117294
## 1401	289	2.786934	0.014473	0.153839
## 8636	149	8.103589	0.015998	0.118456
## 12054	62	10.264672	0.012497	0.081250
## 16643	29	12.495909	0.010361	0.145690
## 19455	94	3.664098	0.022120	0.142487
## 17793	29	15.252558	0.000585	0.273060
## 5504	43	15.125663	0.020325	0.093387
## 13250	1492	7.740543	0.016593	0.134503
## 15505	25	4.433897	0.014333	0.119875
## 20782	808	10.265033	0.016931	0.131246
## 18264	78	9.158521	0.020479	0.104808
## 1072	47	7.375531	0.015050	0.102593
## 14904	25	12.300948	0.018144	0.115750

## 13604	62	12.224874	0.015622	0.131452
## 7619	48	10.507094	0.000173	0.076563
## 9958	47	21.093933	0.016910	0.115824
## 14688	47	6.142972	0.013037	0.078324
## 17392	56	9.718040	0.013250	0.160212
## 2148	27	1.671855	0.014628	0.115278
## 239	31	19.784264	0.027052	0.080040
## 20082	85	22.540171	0.018438	0.106802
## 20449	575	9.296779	0.016668	0.183087
## 21771	58	9.482479	0.001505	0.117349
## 4577	25	18.757305	0.018444	0.059875
## 12204	36	15.247574	0.013375	0.053559
## 12718	36	1.879965	0.012879	0.084635
## 21527	49	19.818342	0.018002	0.075702
## 4585	25	12.310904	0.014148	0.106250
## 1509	351	3.375272	0.018026	0.103739
## 21996	27	10.827656	0.023767	0.075579
## 7383	256	16.646660	0.018429	0.183887
## 9921	105	8.993014	0.021473	0.101905
## 1770	26	11.157266	0.016188	0.087380
## 12320	70	7.160001	0.009225	0.044554
## 16686	29	6.888113	0.018168	0.085991
## 14261	39	16.165508	0.009799	0.110978
## 5790	25	23.722893	0.019314	0.119250
## 12717	35	7.262512	0.012855	0.087589
## 8331	42	10.517948	0.006113	0.182143
## 2926	94	9.599158	0.015099	0.121809
## 3155	107	18.733965	0.018634	0.113318
## 11080	1381	7.659942	0.019631	0.136529
## 17231	159	28.543522	0.016927	0.108707
## 1516	192	3.268989	0.013795	0.097054
## 1299	54	18.400156	0.014660	0.098958
## 11570	25	8.190127	0.011299	0.105625
## 14043	25	24.766068	0.018050	0.079625
## 20900	25	38.990585	0.013377	0.094750
## 14303	65	23.643299	0.027828	0.078558
## 20053	66	24.384081	0.027815	0.071165
## 18347	25	7.496225	0.016258	0.100125
## 10962	225	7.347204	0.018041	0.157681
## 447	34	8.195107	0.011775	0.099816
## 19201	103	4.487659	0.018742	0.118780
## 9968	206	40.093590	0.017873	0.126168
## 4494	64	7.178149	0.017670	0.085400
## 8311	83	7.265819	0.014834	0.097101
## 6903	34	20.604706	0.015510	0.089982
## 17957	83	13.443240	0.015951	0.137801
## 511	235	13.814806	0.016146	0.143178
## 1999	25	16.284370	0.017029	0.112750
## 3738	25	3.676817	0.013332	0.082875
## 9680	41	16.167109	0.021440	0.096265
## 6670	25	10.197286	0.016483	0.089375
## 19511	71	10.552950	0.014899	0.136004
## 549	26	16.274225	0.012408	0.090625
## 2975	94	5.197201	0.010804	0.134707

## 7764	138	5.062739	0.012766	0.103465
## 16343	50	7.568585	0.012696	0.079562
## 2767	76	9.022453	0.014449	0.122574
## 21912	1654	7.119198	0.015414	0.125083
## 9925	25	37.770344	0.018746	0.114125
## 21821	69	1.726657	0.009753	0.065534
## 12482	37	21.809065	0.016756	0.068074
## 17320	25	22.407776	0.010940	0.094125
## 5100	41	13.789673	0.025240	0.046418
## 8525	40	9.767372	0.015890	0.147813
## 13247	156	14.137932	0.014439	0.113221
## 11488	53	6.638362	0.014176	0.079363
## 13904	85	20.967230	0.019773	0.089228
## 4413	40	13.293783	0.011562	0.083125
## 14668	25	21.878321	0.008443	0.091000
## 5649	98	17.267870	0.018233	0.095408
## 10849	56	8.627219	0.010612	0.071150
## 13403	94	3.741033	0.012995	0.166589
## 19976	43	13.751805	0.017515	0.112645
## 17346	25	4.358619	0.012321	0.046500
## 15107	48	8.546975	0.015083	0.131185
## 21853	32	16.731855	0.023337	0.115039
## 9540	47	9.319650	0.018783	0.121808
## 8052	25	30.200829	0.017159	0.140375
## 3123	58	9.935616	0.016499	0.106681
## 8623	218	16.839008	0.015395	0.219725
## 2463	602	2.082374	0.012562	0.157916
## 15694	69	2.748451	0.015062	0.102627
## 5464	37	5.463187	0.015607	0.089020
## 19839	26	46.584942	0.015591	0.117909
## 18321	25	6.551512	0.011561	0.060125
## 2488	36	5.850173	0.018219	0.068142
## 3610	44	5.782629	0.012221	0.066690
## 19280	55	4.904963	0.014773	0.099830
## 15894	25	9.912047	0.011141	0.093250
## 16212	235	6.305252	0.020226	0.091928
## 4110	31	38.869232	0.018814	0.095968
## 82	31	5.190626	0.021513	0.089012
## 15153	83	2.758868	0.015903	0.071084
## 18348	30	20.970541	0.013692	0.145938
## 7495	81	7.938226	0.010961	0.092361
## 2479	34	29.680256	0.018316	0.109743
## 14188	59	14.447429	0.013719	0.086176
## 1777	37	15.811098	0.014446	0.090878
## 8305	32	4.884287	0.005021	0.069727
## 13703	67	16.656939	0.020009	0.136521
## 20864	25	16.315350	0.018910	0.075375
## 15030	57	4.092285	0.018135	0.110636
## 1889	120	6.789923	0.018667	0.092005
## 7817	39	12.388940	0.009328	0.123558
## 14218	27	37.650295	0.005751	0.056019
## 8513	31	9.008639	0.013866	0.093649
## 7401	25	52.309803	0.002598	0.111250
## 13646	72	5.393506	0.018534	0.079861

## 8997	317	15.155384	0.012351 0.179397
## 12645	25	25.974869	0.012352 0.120500
## 11705	102	17.017839	0.017059 0.068995
## 22450	78	5.823215	0.009926 0.123037
## 21846	25	17.684963	0.023042 0.088500
## 7978	679	9.927772	0.017757 0.118400
## 4857	28	22.732210	0.012682 0.093192
## 15880	58	19.148642	0.015505 0.100647
## 13611	41	15.752293	0.019294 0.101067
## 571	40	4.520833	0.012029 0.108125
## 20751	25	15.350617	0.001978 0.104250
## 18549	520	13.749669	0.016080 0.139195
## 7205	37	7.822154	0.010503 0.159206
## 19885	94	18.263348	0.018679 0.115592
## 18954	31	11.447677	0.016312 0.113911
## 10937	30	48.352882	0.008091 0.090625
## 11278	25	7.955537	0.009048 0.095875
## 10657	66	10.816375	0.021106 0.054119
## 22174	25	5.610514	0.020702 0.108875
## 1582	25	20.550020	0.016395 0.097250
## 21338	31	26.132860	0.008363 0.077016
## 8900	92	27.039137	0.015143 0.131352
## 4465	28	4.619601	0.015138 0.081920
## 22404	59	5.593881	0.010432 0.155191
## 2539	25	6.541461	0.022559 0.068500
## 6537	41	2.558803	0.005438 0.066768
## 8489	641	12.800694	0.016704 0.213782
## 6281	58	17.667597	0.025909 0.116810
## 15329	65	5.923840	0.017667 0.154663
## 20892	54	26.089693	0.023643 0.097569
## 11736	297	7.187422	0.011226 0.126841
## 8898	30	27.022005	0.018130 0.123646
## 4179	84	10.488394	0.013693 0.133184
## 3633	52	7.320031	0.021663 0.066046
## 12872	84	10.004524	0.014492 0.137091
## 16915	25	8.027622	0.018676 0.074625
## 2164	59	1.970823	0.019227 0.080191
## 21970	29	19.840515	0.022837 0.079418
## 6899	954	8.132012	0.007500 0.238630
## 22235	65	18.546062	0.010144 0.144904
## 19057	94	3.753066	0.017677 0.149501
## 375	107	2.463762	0.011343 0.120794
## 15303	29	4.937391	0.022461 0.093534
## 10072	590	6.289700	0.012728 0.134937
## 3305	91	6.317438	0.016246 0.115968
## 20662	561	8.604084	0.018408 0.131924
## 6579	37	4.099444	0.010637 0.092737
## 3287	199	5.560131	0.017051 0.097739
## 957	38	6.685232	0.014788 0.085609
## 998	173	3.925717	0.016335 0.110802
## 10561	26	30.155647	0.003807 0.085337
## 1194	25	12.250108	0.021134 0.084125
## 18201	50	2.420085	0.006748 0.100813
## 5153	25	13.984651	0.006587 0.080750

## 7672	26	50.788994	0.024759	0.123678
## 20311	577	7.687310	0.019271	0.151446
## 1956	25	20.376976	0.013456	0.095625
## 20294	190	9.660779	0.017372	0.130428
## 20610	59	19.094313	0.020524	0.103972
## 11079	142	7.015147	0.021927	0.128345
## 2716	311	19.448215	0.015657	0.185571
## 13843	49	19.256115	0.020987	0.116263
## 2962	58	6.548814	0.010792	0.128664
## 11569	73	8.734460	0.011965	0.134846
## 11030	25	13.635207	0.009891	0.106750
## 13345	94	18.939865	0.020176	0.082812
## 2997	25	25.831945	0.009257	0.123500
## 484	27	7.713138	0.015872	0.063079
## 10312	25	6.294886	0.021068	0.065000
## 644	25	14.124321	0.016017	0.081500
## 5543	233	9.488517	0.016047	0.100671
## 16050	226	21.191673	0.014630	0.072165
## 5337	531	9.673202	0.012486	0.095822
## 12575	94	9.825200	0.024087	0.070578
## 407	25	8.055540	0.007289	0.100375
## 12762	77	5.281672	0.015029	0.073580
## 569	75	9.119386	0.013274	0.126667
## 13031	25	32.776573	0.010474	0.112125
## 14352	41	16.433996	0.018094	0.120274
## 11651	28	19.799244	0.012409	0.066518
## 3146	133	19.524214	0.019576	0.119713
## 2842	53	2.778649	0.016693	0.115330
## 15878	282	24.178221	0.013789	0.099900
## 20239	110	8.659512	0.002076	0.139545
## 12805	25	17.948860	0.012526	0.077750
## 17980	70	6.947023	0.012719	0.080982
## 7150	37	38.020958	0.012573	0.122297
## 7110	37	39.770969	0.017837	0.090034
## 8514	73	7.581050	0.017083	0.104795
## 13150	38	2.953517	0.021953	0.086678
## 11781	28	1.499236	0.018872	0.071094
## 16233	33	2.516670	0.018135	0.104356
## 13776	25	35.453800	0.022939	0.077250
## 14508	152	5.113757	0.018142	0.102673
## 6905	25	18.959301	0.014376	0.112875
## 11753	933	7.853042	0.016365	0.162795
## 12227	59	18.663822	0.015482	0.149788
## 17586	162	10.931604	0.009448	0.117573
## 9428	440	10.273545	0.018007	0.090987
## 11801	25	20.271261	0.011744	0.081000
## 3333	41	6.729309	0.011345	0.115015
## 17623	849	5.612933	0.016261	0.147149
## 19380	25	51.300781	0.005712	0.109750
## 20281	688	8.197812	0.018571	0.128747
## 10208	32	3.183828	0.014903	0.095605
## 1475	65	5.223547	0.015162	0.100048
## 17883	94	7.440671	0.026863	0.095878
## 14598	122	19.508938	0.005912	0.109401

## 14609	27	28.211494	0.020015	0.085880
## 22424	25	13.385324	0.022652	0.068875
## 198	25	5.060236	0.015063	0.092125
## 21496	25	32.612965	0.011881	0.139125
## 3530	52	15.464174	0.018750	0.083894
## 2828	251	1.749430	0.019135	0.068426
## 15629	32	4.411693	0.012815	0.073047
## 2733	30	27.734627	0.013375	0.099583
## 8024	25	19.744747	0.010480	0.109625
## 6149	235	13.814806	0.016146	0.143178
## 9505	41	15.227842	0.012222	0.146037
## 16654	34	20.008713	0.020153	0.044026
## 8153	25	12.152165	0.011096	0.110000
## 10728	66	18.642036	0.017207	0.126184
## 12589	97	6.335630	0.023129	0.056927
## 6208	25	9.010197	0.015575	0.135000
## 16787	25	10.960568	0.019093	0.054375
## 11450	26	7.303354	0.020691	0.119111
## 2796	59	15.502418	0.014332	0.126589
## 3064	26	22.110720	0.017268	0.098918
## 9309	27	18.128792	0.016206	0.127199
## 14912	25	29.321619	0.017423	0.133625
## 14051	85	8.676979	0.012142	0.094375
## 2874	93	3.869089	0.016998	0.107829
## 12033	84	1.149141	0.027772	0.073996
## 16563	28	3.107580	0.013417	0.078795
## 20748	606	13.349524	0.011030	0.115032
## 3904	84	8.832402	0.016539	0.106957
## 22504	36	8.568601	0.018382	0.073872
## 8139	32	15.181679	0.013280	0.075879
## 9032	65	28.941833	0.020146	0.133413
## 2199	106	2.261952	0.017135	0.095843
## 4440	177	4.887496	0.020018	0.111247
## 13333	112	14.165652	0.017047	0.140486
## 18863	892	7.393960	0.017555	0.142867
## 8960	657	7.932842	0.016040	0.148188
## 16539	25	7.887314	0.013973	0.086875
## 5056	25	18.120533	0.018932	0.072500
## 6065	1154	6.122473	0.018536	0.145413
## 686	71	5.857426	0.016939	0.089481
## 17227	37	3.948444	0.003867	0.100000
## 2758	80	11.382135	0.018433	0.104688
## 18976	26	20.655628	0.011047	0.139423
## 8181	26	17.865828	0.016294	0.109615
## 18703	57	9.590443	0.015042	0.121711
## 9520	51	18.081497	0.019522	0.123162
## 17613	25	28.023630	0.013778	0.091375
## 12313	25	4.171446	0.017125	0.048125
## 4067	27	22.819380	0.015047	0.084954
## 21744	154	8.891376	0.016764	0.122179
## 22479	27	12.552105	0.024477	0.093750
## 20822	58	20.327291	0.019146	0.102047
## 20489	25	6.976103	0.008463	0.118875
## 15763	73	4.817688	0.012625	0.112757

## 7852	25	23.982628	0.009304 0.069625
## 21255	45	19.855827	0.015029 0.128264
## 17258	77	19.909121	0.012016 0.091437
## 3713	640	3.784653	0.016908 0.094194
## 19379	37	12.425948	0.004676 0.127280
## 8698	33	11.954393	0.014523 0.133996
## 3163	40	12.904201	0.016000 0.098359
## 8855	38	6.205768	0.014536 0.104112
## 20731	25	12.259142	0.008515 0.074875
## 17198	69	5.076284	0.011111 0.150725
## 9496	94	3.746617	0.017604 0.125997
## 13912	55	6.967661	0.019575 0.134546
## 21156	128	6.729340	0.015046 0.148901
## 9705	47	18.324228	0.012796 0.152261
## 4414	47	2.485090	0.011857 0.146410
## 2635	81	3.390447	0.019801 0.103395
## 8166	68	2.162519	0.015704 0.077528
## 11251	295	10.421527	0.012301 0.135074
## 11862	25	4.192499	0.009394 0.176875
## 7575	256	5.602253	0.018805 0.120496
## 14713	25	15.290236	0.018406 0.082000
## 128	92	6.411007	0.022246 0.123132
## 21353	60	6.570154	0.019445 0.146406
## 14638	249	15.874383	0.013133 0.120695
## 14315	25	48.695332	0.018006 0.059375
## 1338	160	5.717871	0.016971 0.130195
## 5498	94	7.711747	0.014381 0.123737
## 9178	65	11.784436	0.013474 0.106346
## 20584	37	12.674950	0.020071 0.067230
## 8724	35	10.420645	0.016696 0.066518
## 6721	75	22.970598	0.015231 0.095583
## 19020	65	27.723957	0.019090 0.106587
## 8314	40	13.933386	0.008811 0.097969
## 20377	47	25.688906	0.008715 0.143750
## 6126	152	4.185755	0.014186 0.123787
## 6849	86	6.444969	0.015757 0.099382
## 18801	56	6.443910	0.019654 0.134273
## 5371	51	23.989033	0.017005 0.133701
## 21669	25	19.020308	0.017264 0.118375
## 14040	25	24.734657	0.018467 0.084125
## 16569	25	3.121901	0.006804 0.035000
## 7612	123	4.042717	0.023829 0.086484
## 7174	268	17.135244	0.024016 0.073881
## 11148	628	5.458999	0.015258 0.149547
## 18215	46	7.144570	0.019738 0.094905
## 4691	186	2.626086	0.018422 0.079772
## 4876	113	6.778348	0.013661 0.039685
## 16326	178	8.134500	0.017529 0.128827
## 2969	132	8.406621	0.012789 0.141122
## 14156	25	21.319426	0.011615 0.075625
## 2435	63	2.383209	0.014590 0.149901
## 7878	36	25.457708	0.008661 0.049913
## 2267	90	5.202708	0.017781 0.060521
## 17189	68	1.236164	0.014444 0.111121

## 5034	25	19.257410	0.016012	0.082500
## 17357	25	8.449320	0.017430	0.106125
## 10540	62	15.059475	0.016463	0.100403
## 9063	67	13.334180	0.018672	0.166884
## 9751	184	3.722241	0.010196	0.139114
## 3851	489	3.464620	0.018317	0.086663
## 9016	45	22.729397	0.009771	0.084514
## 7991	155	16.298122	0.018966	0.115766
## 12574	45	29.134392	0.022179	0.057083
## 11513	30	13.179312	0.021776	0.086354
## 16168	94	3.039566	0.016220	0.091589
## 18105	209	10.926461	0.015789	0.149088
## 12913	28	2.554653	0.021064	0.166518
## 5135	204	7.213054	0.015236	0.102221
## 14035	25	24.968657	0.002093	0.045875
## 9831	25	21.148392	0.004345	0.112250
## 13028	25	19.822752	0.013802	0.098625
## 21463	48	20.813978	0.017130	0.100911
## 20797	47	22.531385	0.022140	0.112899
## 22242	58	5.505274	0.015576	0.093050
## 11911	199	1.621365	0.006110	0.196922
## 22090	238	10.283587	0.015912	0.141058
## 7555	149	17.663252	0.018949	0.069757
## 1302	25	7.578519	0.018345	0.069500
## 13543	94	18.126589	0.017561	0.119648
## 3569	131	1.969126	0.013942	0.084375
## 14242	25	22.862444	0.015474	0.071875
## 18510	85	11.150451	0.018163	0.183971
## 10287	25	13.654681	0.006304	0.081375
## 6719	257	8.348517	0.016295	0.104159
## 15471	69	8.082744	0.009305	0.090489
## 19710	55	4.378049	0.026064	0.075568
## 1831	44	6.680249	0.010405	0.036932
## 1341	294	22.202524	0.015797	0.146195
## 11393	25	2.198592	0.015112	0.103500
## 17006	75	1.585148	0.019911	0.124000
## 3957	31	13.058941	0.023240	0.110585
## 20197	197	11.490449	0.015931	0.142259
## 14235	25	16.785921	0.005271	0.106000
## 10696	81	7.309173	0.011546	0.143827
## 13191	31	11.474596	0.019432	0.114718
## 9634	25	60.401318	0.013707	0.120500
## 1775	29	14.661588	0.015744	0.073922
## 9535	41	8.438011	0.019366	0.096037
## 16158	25	11.690016	0.008855	0.074375
## 5036	25	32.178101	0.019884	0.090000
## 14208	570	5.299784	0.010419	0.097226
## 13599	29	14.674309	0.017336	0.114978
## 8116	25	16.745453	0.012377	0.079125
## 9710	31	11.497588	0.019793	0.131754
## 15357	25	16.394838	0.016750	0.107125
## 5774	50	11.944195	0.023622	0.095875
## 5956	28	14.060971	0.012397	0.099330
## 12781	25	30.490915	0.015562	0.062625

## 6663	158	5.775753	0.014684 0.132219
## 8309	62	3.217285	0.011573 0.114617
## 1325	40	8.257399	0.022154 0.070156
## 16374	30	4.400701	0.018071 0.077188
## 7305	108	10.893935	0.014038 0.140017
## 6657	25	25.672836	0.016493 0.056625
## 4926	50	6.488270	0.015021 0.133000
## 4029	186	2.928835	0.016795 0.085484
## 15946	37	12.160487	0.012595 0.085389
## 15737	174	17.262327	0.010288 0.121049
## 2662	36	3.694696	0.011716 0.072222
## 3602	150	3.717111	0.015060 0.114667
## 2717	296	8.244129	0.016061 0.181450
## 10180	37	20.732306	0.014454 0.076689
## 19366	252	9.332454	0.008111 0.093229
## 2621	25	45.610573	0.016109 0.078500
## 9601	25	26.089479	0.014440 0.083250
## 19296	40	21.898291	0.009211 0.124531
## 13965	41	19.460934	0.018641 0.124162
## 20699	25	22.336636	0.017948 0.092125
## 22171	29	18.738939	0.010262 0.107866
## 2385	362	4.449340	0.017567 0.113760
## 6640	79	6.920174	0.006419 0.061076
## 22205	270	11.720173	0.017249 0.135776
## 18751	64	27.502487	0.014993 0.228369
## 10076	173	9.150055	0.020438 0.157027
## 14107	194	14.207293	0.015139 0.096360
## 7708	64	7.617123	0.007825 0.241162
## 13663	30	18.604044	0.020447 0.065625
## 4738	37	4.579140	0.018574 0.056334
## 5112	510	10.756154	0.013567 0.145472
## 13664	58	19.378302	0.021272 0.088093
## 13012	40	4.993724	0.015330 0.121719
## 5399	67	22.840788	0.010371 0.100373
## 15229	35	5.316226	0.011897 0.102946
## 15740	186	15.721414	0.016427 0.122429
## 11249	359	11.617755	0.013700 0.126915
## 15651	51	6.201544	0.024120 0.146691
## 8292	53	15.197294	0.009211 0.091568
## 20287	1343	8.113068	0.016591 0.132858
## 11605	25	9.581931	0.013956 0.102375
## 11487	46	10.689022	0.014856 0.104144
## 11837	66	4.877475	0.010586 0.079072
## 19719	36	16.465935	0.022208 0.085851
## 7816	38	6.433901	0.008054 0.125576
## 21471	66	23.500971	0.011610 0.133333
## 9730	38	8.815985	0.018539 0.124013
## 20366	61	19.062412	0.017469 0.147182
## 17821	27	5.866346	0.007525 0.179282
## 1056	168	3.090722	0.015194 0.127679
## 21686	25	36.034256	0.019769 0.078875
## 14731	87	9.546818	0.008552 0.162716
## 1664	68	4.681771	0.012061 0.125230
## 2259	58	11.952551	0.015270 0.085560

## 22008	63	6.452176	0.022345 0.103125
## 15433	31	20.100208	0.015200 0.067339
## 21751	59	9.327466	0.008025 0.085170
## 14517	275	10.023434	0.015521 0.090352
## 12199	37	22.789906	0.021796 0.059713
## 16587	57	4.311346	0.018556 0.138816
## 21237	322	8.929749	0.014974 0.126863
## 22114	162	14.431945	0.018950 0.064024
## 14180	212	7.181261	0.020814 0.156383
## 4931	264	20.925734	0.014645 0.095881
## 11101	550	6.227798	0.014942 0.147722
## 3435	105	1.932574	0.012755 0.104643
## 3195	52	0.417016	0.020280 0.075601
## 17041	131	8.390421	0.013925 0.079723
## 8936	105	31.269785	0.012674 0.088423
## 13340	59	35.410656	0.023099 0.116261
## 9389	68	5.393858	0.017157 0.069072
## 9057	49	8.841618	0.017875 0.156122
## 20450	42	23.690889	0.017097 0.217411
## 12444	264	21.138845	0.018342 0.097893
## 6712	53	10.919627	0.012905 0.106073
## 4961	73	18.465477	0.022242 0.076070
## 759	82	12.085643	0.017597 0.102210
## 9022	33	19.920130	0.017437 0.073485
## 10092	141	15.174153	0.014540 0.105297
## 2876	39	1.783385	0.016677 0.114263
## 19814	67	16.439497	0.013624 0.132929
## 1431	95	1.210630	0.020786 0.074539
## 13817	25	24.041965	0.018761 0.100625
## 16494	25	13.277543	0.018062 0.106125
## 13112	65	21.944866	0.013985 0.083077
## 17171	64	8.028287	0.019033 0.109863
## 20577	74	26.687368	0.018018 0.103083
## 16196	28	5.137692	0.009140 0.088728
## 11922	111	8.186971	0.017713 0.082292
## 4227	248	3.707370	0.015421 0.081842
## 15144	25	12.930616	0.015320 0.090750
## 16201	79	16.876171	0.016322 0.082595
## 3566	99	3.440248	0.017471 0.089994
## 13368	25	20.914053	0.016115 0.136125
## 14610	25	28.895388	0.017900 0.081250
## 8492	49	15.789367	0.010692 0.149171
## 17122	224	13.386103	0.018192 0.107296
## 5266	81	7.255435	0.014351 0.087963
## 19014	26	16.923546	0.016876 0.078005
## 7986	25	26.351763	0.014558 0.130125
## 8977	64	19.437603	0.013290 0.121094
## 5240	74	9.266625	0.015375 0.138133
## 16896	106	10.266825	0.020423 0.083078
## 14511	156	4.633451	0.015873 0.083994
## 11027	186	7.071013	0.010780 0.126865
## 10573	37	4.413048	0.018056 0.122720
## 15530	52	6.998094	0.016372 0.078966
## 15684	30	7.887921	0.017608 0.101771

## 18658	124	2.562151	0.006964 0.077823
## 16398	43	11.007970	0.019588 0.077253
## 22222	31	21.153555	0.016239 0.144657
## 4488	25	36.727928	0.014269 0.114250
## 1778	68	0.454898	0.016461 0.120312
## 362	51	10.510361	0.014645 0.117586
## 21024	94	17.591291	0.023293 0.127194
## 16073	78	8.565470	0.012916 0.103686
## 17726	84	2.048646	0.027121 0.071763
## 9922	117	6.707153	0.021127 0.109829
## 4209	245	4.041807	0.016807 0.112296
## 12105	62	14.053937	0.018356 0.070111
## 18094	89	11.578269	0.004947 0.097963
## 15583	25	25.152084	0.018030 0.043250
## 22491	58	5.861761	0.021596 0.106519
## 5143	25	27.195999	0.012956 0.068125
## 13814	29	1.512467	0.016487 0.094073
## 19760	45	26.064215	0.017106 0.082431
## 8168	122	2.902322	0.014142 0.112244
## 7604	203	10.779859	0.023123 0.122568
## 20455	47	10.177213	0.007683 0.120479
## 4260	25	18.093651	0.017068 0.082750
## 5900	2205	6.929019	0.018000 0.127621
## 7083	25	23.578159	0.013439 0.033000
## 641	31	40.185978	0.014583 0.092036
## 21365	62	6.755164	0.019472 0.091381
## 4302	36	11.514785	0.021065 0.103299
## 4820	66	1.848452	0.017339 0.092945
## 17160	105	4.507232	0.020130 0.114226
## 8664	481	10.507391	0.015932 0.121895
## 17154	37	8.801050	0.017910 0.077027
## 1615	405	3.831974	0.016545 0.139128
## 16189	25	22.172928	0.015672 0.087500
## 17758	129	7.358578	0.014427 0.128125
## 22339	56	4.143518	0.020859 0.138616
## 11204	30	16.850805	0.018666 0.163854
## 4639	25	14.844965	0.010263 0.035375
## 11933	172	18.839476	0.011233 0.090807
## 17718	32	22.320169	0.010828 0.062988
## 13079	1162	6.973773	0.015058 0.146530
## 2362	25	12.238903	0.013654 0.072750
## 6016	203	8.131144	0.013674 0.114624
## 20079	82	34.694614	0.017778 0.089901
## 13332	341	8.108992	0.015788 0.149249
## 784	97	2.718757	0.019000 0.116656
## 711	354	3.930806	0.015678 0.114857
## 14082	156	4.776914	0.019196 0.107232
## 16824	210	1.932036	0.010924 0.118080
## 2091	645	3.483793	0.015362 0.125858
## 15163	76	2.149481	0.016492 0.072492
## 21283	140	9.003917	0.013071 0.205424
## 3447	275	3.330466	0.016362 0.100705
## 21770	52	3.517189	0.012131 0.095793
## 3122	62	14.830741	0.016265 0.108065

## 5627	2556	6.600733	0.015599	0.119498
## 8197	53	7.109985	0.015766	0.126474
## 20743	170	6.467667	0.017801	0.123658
## 16830	29	18.415861	0.015966	0.069397
## 1767	26	9.366501	0.014116	0.102764
## 21386	32	19.463108	0.017150	0.169336
## 20498	202	12.738073	0.018466	0.128960
## 19798	104	10.091547	0.016629	0.114694
## 15356	62	3.224855	0.004440	0.126865
## 12129	34	26.033371	0.012284	0.122702
## 1811	181	2.799904	0.017778	0.100622
## 6507	206	8.079732	0.013905	0.111833
## 5664	43	18.436827	0.017711	0.094622
## 4986	34	10.085730	0.013184	0.062316
## 18866	841	8.382697	0.017685	0.134200
## 8976	211	6.831104	0.014640	0.143380
## 8562	41	21.318136	0.012132	0.100152
## 5998	44	4.642281	0.003805	0.114347
## 3307	72	4.514068	0.014450	0.105339
## 7638	33	3.505479	0.008743	0.094602
## 5560	1567	4.678827	0.021800	0.155455
## 16464	67	5.426742	0.018795	0.063433
## 3928	56	24.262043	0.019295	0.094643
## 10716	62	3.452588	0.008916	0.064062
## 1418	222	3.572482	0.016276	0.131588
## 12022	36	13.417582	0.002045	0.037413
## 21179	261	10.913791	0.015469	0.136650
## 6282	827	7.427565	0.019109	0.126236
## 19071	47	18.462250	0.019028	0.107912
## 19950	58	13.330807	0.012568	0.150377
## 19332	95	25.994667	0.012789	0.123586
## 16128	50	12.090479	0.021227	0.137500
## 6367	43	7.166320	0.016179	0.093823
## 3685	97	2.475890	0.020523	0.113434
## 533	39	10.757949	0.016765	0.036779
## 11582	27	12.850941	0.015727	0.073495
## 3043	26	13.364382	0.018538	0.092188
## 21200	88	11.212526	0.013242	0.126740
## 20921	140	13.523616	0.017150	0.126518
## 14275	440	10.521956	0.022529	0.106513
## 21955	474	8.082594	0.014582	0.134065
## 10330	28	10.806299	0.016572	0.074442
## 2843	80	10.575438	0.019244	0.106914
## 1710	262	2.599475	0.014292	0.119788
## 19639	27	44.335991	0.017899	0.101620
## 12780	134	11.908004	0.017648	0.070056
## 10930	53	5.157432	0.007972	0.140212
## 8712	86	14.718720	0.011658	0.151890
## 16210	39	3.293902	0.011372	0.109135
## 2143	159	3.845816	0.018224	0.097484
## 11075	173	8.629979	0.016908	0.155058
## 3964	25	26.705215	0.017015	0.099000
## 13800	38	2.850148	0.015450	0.118832
## 16816	401	6.510717	0.014645	0.084609

## 10824	29	14.692706	0.001317	0.214224
## 18421	191	9.793865	0.016326	0.144961
## 14603	161	35.912502	0.009294	0.117915
## 9383	87	12.163023	0.012364	0.068570
## 12923	65	38.152763	0.023152	0.056827
## 14993	123	2.011021	0.014253	0.104345
## 540	38	3.515399	0.015191	0.057566
## 18554	569	12.203366	0.013963	0.148418
## 20204	60	36.489079	0.020284	0.186250
## 19215	28	5.264092	0.016094	0.082031
## 4457	31	7.257401	0.015606	0.092742
## 3954	58	9.860249	0.020482	0.081304
## 20918	75	21.523365	0.023927	0.106333
## 18845	52	15.286763	0.015032	0.156611
## 20390	418	8.791851	0.014801	0.141776
## 15925	73	20.788662	0.016016	0.111045
## 1822	111	2.290075	0.015659	0.120777
## 753	34	17.324762	0.013996	0.139063
## 5761	82	34.099670	0.022205	0.136852
## 22309	51	2.290426	0.020618	0.087623
## 11964	28	13.902143	0.014631	0.164955
## 21031	39	19.827122	0.021090	0.092628
## 22311	33	5.525198	0.020268	0.078314
## 8267	49	18.163588	0.022735	0.097449
## 4787	40	17.790447	0.022033	0.049375
## 14894	131	8.243693	0.014573	0.082395
## 19004	73	25.326992	0.010897	0.102098
## 21409	79	22.957184	0.021857	0.134533
## 3935	25	14.223529	0.020831	0.068250
## 15822	25	5.364718	0.010681	0.099500
## 22052	25	20.516760	0.022348	0.095125
## 19965	26	13.977775	0.015604	0.118750
## 403	47	12.848051	0.014253	0.069548
## 5102	164	12.505782	0.019332	0.068979
## 8119	33	7.419152	0.009584	0.130777
## 3736	60	2.190668	0.018688	0.092604
## 300	104	9.710853	0.018708	0.117127
## 11014	33	16.168854	0.007948	0.084849
## 9399	139	7.485181	0.010810	0.127046
## 13265	485	5.626657	0.014075	0.120297
## 18569	47	28.235489	0.018408	0.157646
## 6845	59	5.193522	0.013112	0.103284
## 1734	26	4.690739	0.019177	0.097236
## 22228	354	10.028244	0.015274	0.140607
## 14756	28	4.710525	0.020579	0.083482
## 3218	25	8.478743	0.017339	0.087750
## 7483	87	10.232805	0.006879	0.105388
## 9181	25	24.697790	0.002685	0.127875
## 16130	90	21.477896	0.017060	0.140521
## 8195	30	12.682789	0.012099	0.141563
## 2875	100	5.885849	0.018070	0.121625
## 408	68	7.523536	0.008276	0.140763
## 5794	27	18.829945	0.014825	0.165509
## 5366	75	29.052298	0.011737	0.105917

## 2689	263	1.522005	0.013963 0.139995
## 21584	123	6.107167	0.011213 0.100813
## 5383	209	16.456043	0.014063 0.121621
## 8928	156	3.642133	0.012834 0.118990
## 17376	25	22.403397	0.005201 0.093625
## 11383	94	6.921881	0.008856 0.163597
## 11184	119	6.995114	0.005327 0.194118
## 17559	70	6.214069	0.010281 0.103795
## 22492	43	10.807798	0.020435 0.111119
## 14832	38	15.198254	0.010842 0.098602
## 1089	65	16.031006	0.019129 0.097356
## 5778	28	5.098935	0.020819 0.104799
## 20426	31	19.361073	0.016054 0.096673
## 13846	51	18.140591	0.019082 0.121017
## 2455	25	15.179281	0.016380 0.136375
## 11385	37	15.709384	0.010468 0.154223
## 2775	706	1.440601	0.015124 0.111482
## 11152	3289	6.241415	0.017556 0.152676
## 6437	110	9.601608	0.011858 0.122642
## 11231	42	24.016672	0.018620 0.205729
## 413	63	3.677268	0.009659 0.155506
## 13801	50	11.985115	0.019197 0.103500
## 17380	25	1.945174	0.012672 0.080625
## 11203	248	15.732632	0.015766 0.162979
## 20682	25	27.243345	0.016967 0.169500
## 16385	55	5.140694	0.016141 0.128523
## 7270	25	15.290313	0.010763 0.085500
## 15352	28	10.065916	0.016789 0.109933
## 2027	32	8.337291	0.013677 0.074121
## 14452	435	12.003357	0.014285 0.101006
## 13974	27	28.915432	0.015484 0.218403
## 2719	51	3.841231	0.011802 0.197304
## 10848	26	0.960505	0.018373 0.074038
## 14240	43	12.603614	0.003675 0.079578
## 22029	106	8.346742	0.018036 0.111645
## 4113	25	13.068967	0.015627 0.120125
## 9026	26	17.002739	0.014130 0.076923
## 12165	25	27.884180	0.009394 0.122500
## 22476	25	7.614247	0.026088 0.071750
## 17260	27	35.430962	0.021019 0.068287
## 10391	25	15.409754	0.022236 0.137250
## 1120	69	17.380209	0.017532 0.080299
## 5126	547	7.801617	0.013215 0.107473
## 7306	136	4.273431	0.019482 0.111880
## 5091	40	22.860809	0.019130 0.090781
## 5987	30	3.419383	0.008814 0.105313
## 13507	111	5.839252	0.012688 0.123339
## 17684	33	7.061827	0.016774 0.078125
## 89	81	7.255435	0.014351 0.087963
## 2709	78	7.277877	0.015285 0.157292
## 13998	286	9.234171	0.018327 0.105136
## 9935	319	6.524719	0.013241 0.125558
## 21321	25	61.865860	0.016864 0.191625
## 1545	25	37.235008	0.016857 0.091125

## 1727	26	7.678171	0.019507 0.064062
## 16921	27	15.102440	0.011945 0.132755
## 8190	40	9.529480	0.007225 0.154063
## 3256	220	4.421187	0.015931 0.087798
## 5226	58	5.363633	0.017154 0.105280
## 8594	25	6.921042	0.015704 0.074625
## 19623	42	17.906527	0.019013 0.150521
## 19128	79	34.166786	0.019175 0.104866
## 10297	38	11.364923	0.013134 0.102960
## 10870	27	12.414221	0.008536 0.126968
## 18324	53	4.042144	0.017355 0.057547
## 17136	94	3.874123	0.014442 0.119947
## 16239	135	7.156129	0.016159 0.109977
## 3328	86	5.804512	0.017134 0.108394
## 3462	25	17.572603	0.022597 0.081250
## 15205	25	9.401775	0.010871 0.080500
## 13929	73	4.948373	0.021006 0.113142
## 15567	26	21.199430	0.019685 0.062380
## 19836	26	8.646481	0.016152 0.113221
## 4801	43	8.144113	0.012774 0.077471
## 20437	134	16.876366	0.012092 0.074813
## 13045	71	6.089432	0.005409 0.128521
## 16247	60	2.690482	0.014175 0.113802
## 13296	691	7.873209	0.016755 0.145202
## 7923	25	35.295826	0.013654 0.167875
## 4099	55	4.814948	0.020812 0.110455
## 15710	357	6.023176	0.020273 0.105480
## 9376	101	15.756926	0.018776 0.135860
## 11661	91	8.600905	0.014636 0.080838
## 4140	46	2.366835	0.017998 0.080027
## 2855	27	2.858582	0.016340 0.083449
## 19544	26	25.950087	0.018307 0.091947
## 16655	26	31.874107	0.024849 0.042308
## 13536	85	15.215194	0.017896 0.108824
## 14044	112	39.775921	0.015319 0.113253
## 10660	37	14.149559	0.017204 0.067230
## 13347	71	5.860322	0.019410 0.078301
## 19565	84	16.275564	0.015490 0.147508
## 11470	56	7.571130	0.015871 0.099330
## 13044	36	10.635588	0.011542 0.163802
## 21627	41	16.016924	0.020610 0.080259
## 16319	62	5.844864	0.014902 0.048891
## 12256	25	31.543144	0.016907 0.082000
## 21206	95	6.826966	0.005957 0.140658
## 5084	63	5.224898	0.027921 0.081796
## 8950	26	19.953676	0.004162 0.073558
## 1317	34	11.933680	0.016895 0.110570
## 2046	31	9.138339	0.010484 0.111089
## 7655	93	17.827702	0.015913 0.087601
## 12815	229	9.179813	0.015015 0.101760
## 15074	38	15.567599	0.023264 0.144819
## 1335	393	2.829225	0.012941 0.123020
## 9245	59	29.357077	0.013446 0.091843
## 19466	38	22.044708	0.014347 0.135362

## 9285	60	6.631819	0.017200	0.105469
## 3098	201	3.693444	0.017481	0.092739
## 15923	88	12.364682	0.019720	0.122337
## 18068	43	10.622496	0.022291	0.117805
## 2789	118	12.897364	0.013902	0.095657
## 9134	347	9.446502	0.015868	0.124316
## 7881	40	16.522484	0.021134	0.111641
## 22227	111	9.034152	0.014754	0.135389
## 5142	29	13.338054	0.011506	0.100647
## 2106	204	3.335404	0.013900	0.112194
## 9603	81	32.881504	0.015935	0.120525
## 17948	736	8.259051	0.017302	0.136549
## 4922	64	10.781138	0.016734	0.110889
## 3637	136	8.269529	0.018906	0.103975
## 7563	32	26.338081	0.011713	0.070605
## 4869	25	8.893584	0.011346	0.120000
## 17665	77	4.611145	0.015740	0.072362
## 17666	94	2.373396	0.018652	0.084973
## 12317	26	0.967737	0.019108	0.066106
## 7116	109	5.907506	0.022380	0.103842
## 2830	28	27.006788	0.015134	0.081808
## 3299	139	5.350042	0.015405	0.147347
## 15313	62	5.847582	0.014996	0.082056
## 13686	57	9.664262	0.021532	0.092818
## 18912	55	7.154850	0.015191	0.093807
## 3962	25	12.598926	0.021758	0.068125
## 16074	31	4.953703	0.008274	0.124194
## 15249	27	15.851888	0.016820	0.065046
## 8659	307	13.617816	0.015957	0.119615
## 9597	58	16.781700	0.015646	0.119504
## 8111	71	8.227161	0.020204	0.079974
## 8421	26	2.240930	0.006346	0.091226
## 16101	25	30.512718	0.021138	0.059875
## 12742	25	7.838925	0.013558	0.061875
## 3671	41	12.399606	0.021345	0.060595
## 6106	25	20.230257	0.015175	0.080375
## 2777	74	3.591220	0.015078	0.107770
## 15492	42	8.089881	0.018377	0.084449
## 13251	383	10.817469	0.018263	0.135697
## 12831	34	20.551018	0.014126	0.097426
## 15653	138	2.390745	0.019989	0.076449
## 1614	435	5.663551	0.015747	0.141085
## 8704	43	6.601104	0.017493	0.046512
## 9799	107	20.893461	0.013260	0.079322
## 12006	27	13.111619	0.013903	0.091204
## 18821	606	12.219266	0.011064	0.114264
## 17307	25	10.974497	0.014048	0.082000
## 22483	40	9.975986	0.020855	0.145312
## 181	30	6.660731	0.010852	0.071042
## 15395	35	7.675185	0.016043	0.072143
## 4531	25	34.350964	0.017817	0.100625
## 11165	42	4.949227	0.023068	0.130878
## 1195	95	18.755669	0.021845	0.109145
## 18776	25	19.296041	0.014767	0.116500

## 21366	49	8.599643	0.020994 0.099298
## 6508	816	6.615542	0.016894 0.139583
## 12100	427	14.658360	0.018939 0.103776
## 15821	27	11.117597	0.008858 0.098843
## 21316	353	15.307528	0.016033 0.097663
## 9185	127	27.783163	0.008553 0.105536
## 18782	25	18.247622	0.011053 0.145250
## 8014	95	21.119223	0.014522 0.188882
## 2835	42	11.738450	0.015112 0.091890
## 1162	38	6.566553	0.020945 0.125658
## 848	49	4.888213	0.019386 0.070855
## 13126	25	36.282818	0.021703 0.079375
## 17476	40	31.627863	0.023486 0.147500
## 16988	53	3.477372	0.015448 0.066392
## 18532	130	13.419891	0.009080 0.090938
## 16998	38	8.953034	0.014531 0.125247
## 15206	32	9.792740	0.018373 0.042285
## 21758	257	5.250738	0.014349 0.183147
## 7343	96	9.304576	0.011895 0.116602
## 16749	249	2.539476	0.016373 0.094290
## 20409	57	3.190770	0.016548 0.119572
## 15941	74	8.955580	0.014036 0.128632
## 1315	38	12.334925	0.019439 0.102056
## 17609	103	2.246021	0.002760 0.114654
## 19641	82	34.636318	0.013353 0.143521
## 13613	38	22.282185	0.019942 0.142845
## 14417	117	9.089854	0.013996 0.130930
## 1952	251	1.854610	0.015428 0.104059
## 6945	33	0.941088	0.016446 0.098958
## 19484	101	7.079818	0.020716 0.129177
## 14377	47	17.864052	0.019462 0.115825
## 7911	26	33.952595	0.014834 0.120433
## 6585	25	19.986526	0.016852 0.111750
## 16304	244	6.035601	0.016279 0.088537
## 6813	32	6.168608	0.016867 0.100195
## 492	38	6.146369	0.009076 0.174178
## 19707	36	13.164341	0.012604 0.090885
## 13441	27	14.003048	0.018461 0.059838
## 2986	148	5.889553	0.013050 0.200042
## 15720	59	14.701857	0.012920 0.099364
## 935	65	6.416686	0.021367 0.111298
## 13400	29	14.353959	0.015895 0.129957
## 2220	48	4.911164	0.019799 0.101107
## 1642	1722	2.909573	0.015090 0.131936
## 999	26	4.843228	0.012904 0.098317
## 19857	156	8.605652	0.017451 0.116206
## 20758	25	39.547028	0.016912 0.110375
## 15638	81	6.843565	0.010861 0.142053
## 12004	86	6.175546	0.014494 0.094222
## 817	143	3.217357	0.013325 0.128955
## 22544	42	2.405270	0.013657 0.106696
## 6359	63	10.086638	0.002716 0.095982
## 13076	2127	5.729806	0.013620 0.116332
## 2530	61	2.191949	0.017512 0.078227

## 6415	51	12.166789	0.014852 0.117157
## 18411	25	8.051295	0.001751 0.035500
## 16297	25	19.239107	0.011690 0.109375
## 15044	25	9.399013	0.006904 0.096250
## 1378	35	11.103947	0.018788 0.086518
## 11684	31	19.150084	0.009430 0.127218
## 16204	86	17.950195	0.017194 0.076272
## 196	27	16.085947	0.016666 0.089699
## 5760	25	20.970381	0.019834 0.049500
## 18770	150	9.383522	0.022518 0.156104
## 22256	25	2.811266	0.016930 0.130750
## 13893	25	37.728703	0.016690 0.078000
## 21379	67	16.473408	0.020113 0.133629
## 5110	34	22.553795	0.018514 0.057445
## 7976	295	22.985168	0.017422 0.123782
## 5285	43	9.238070	0.022479 0.068677
## 19487	26	14.510985	0.017946 0.107332
## 13567	25	20.926861	0.020180 0.090125
## 21731	222	10.500134	0.012141 0.109572
## 2365	51	7.588384	0.020434 0.043076
## 14074	100	4.587650	0.010948 0.133094
## 1185	25	8.614813	0.015113 0.094125
## 19059	62	11.803832	0.012263 0.162853
## 5699	854	7.499490	0.013990 0.112390
## 17734	25	24.966318	0.025046 0.105625
## 2631	63	1.935166	0.019324 0.116022
## 21501	25	39.213913	0.005436 0.137250
## 13537	28	38.261883	0.010605 0.116853
## 22530	44	3.553938	0.010567 0.102557
## 3057	28	30.170282	0.026087 0.031027
## 6777	25	2.000979	0.023053 0.090875
## 11530	138	5.408114	0.015557 0.102785
## 7285	25	4.338113	0.009614 0.103875
## 13467	32	17.759396	0.018636 0.115137
## 10973	25	25.261543	0.012455 0.111875
## 13698	28	12.842402	0.018107 0.138170
## 314	27	18.829945	0.014825 0.165509
## 15321	32	3.610088	0.023583 0.055566
## 1792	25	4.773858	0.003558 0.069875
## 2897	72	4.880915	0.014152 0.100998
## 12875	63	1.877217	0.010821 0.108482
## 2003	888	13.626154	0.014318 0.156053
## 20275	123	12.766016	0.020301 0.117480
## 428	139	4.945581	0.010604 0.123112
## 7200	1803	19.716911	0.015898 0.151463
## 2471	1800	2.186434	0.012592 0.148992
## 14133	25	36.591320	0.017583 0.112500
## 16882	131	3.679800	0.006100 0.089074
## 224	59	8.109712	0.021402 0.093008
## 10562	25	18.035795	0.002726 0.068875
## 13220	59	33.995373	0.022994 0.133792
## 22264	50	6.885687	0.007416 0.127375
## 8456	104	16.426668	0.018699 0.106550
## 16064	87	4.018074	0.014279 0.077766

## 3066	57	19.634520	0.020269	0.088542
## 22304	27	5.560750	0.017586	0.103704
## 2553	111	13.333052	0.017526	0.105293
## 15447	37	6.747444	0.021451	0.068750
## 14747	60	2.848942	0.018714	0.111042
## 20789	897	7.674482	0.017537	0.143666
## 14296	65	3.859291	0.014340	0.094327
## 13386	28	5.150822	0.018687	0.100558
## 16134	37	4.498572	0.005512	0.112331
## 16604	41	1.769725	0.018115	0.131021
## 14116	140	13.394761	0.019254	0.095134
## 10785	26	16.207701	0.015669	0.082332
## 12562	25	17.170296	0.013894	0.051625
## 14495	25	34.359840	0.012519	0.115375
## 5418	77	29.421453	0.016335	0.061445
## 7219	165	18.876711	0.013778	0.145057
## 9451	37	12.732010	0.015222	0.115541
## 13508	124	8.139557	0.011909	0.086593
## 18952	32	6.613910	0.014984	0.130469
## 18451	25	17.050592	0.017066	0.131875
## 11640	69	19.632498	0.014823	0.092210
## 5090	38	28.048681	0.018389	0.077303
## 10200	33	7.380496	0.015070	0.079261
## 1343	169	6.665760	0.014732	0.122763
## 12648	25	11.321404	0.011378	0.129375
## 20032	49	3.240408	0.018061	0.131952
## 16187	25	36.978992	0.016359	0.059250
## 15323	57	4.909053	0.007287	0.073465
## 12232	62	21.542820	0.009304	0.101815
## 19373	138	14.716329	0.009954	0.104869
## 20970	48	7.465418	0.019751	0.121029
## 14773	364	4.909492	0.013564	0.129310
## 20550	1006	7.984913	0.017432	0.132872
## 12561	158	5.181953	0.017130	0.090269
## 10910	62	12.695502	0.019610	0.074093
## 2230	30	11.293821	0.015042	0.090208
## 3562	63	2.898672	0.017249	0.061210
## 13932	28	12.801390	0.022040	0.123772
## 18650	44	7.310959	0.005609	0.072017
## 10722	26	9.198109	0.008056	0.093389
## 8141	31	14.372163	0.010017	0.105948
## 15833	31	18.801476	0.015097	0.097883
## 17057	50	29.126768	0.014343	0.110375
## 7498	170	5.392686	0.012268	0.115404
## 15782	150	6.030317	0.016470	0.103208
## 3294	37	2.055443	0.006998	0.104561
## 6297	376	9.891155	0.013092	0.094265
## 8905	29	24.406704	0.014571	0.121659
## 5691	652	8.882992	0.015847	0.139110
## 9788	108	12.913842	0.016952	0.099537
## 9141	142	7.145790	0.013571	0.108495
## 16347	149	5.060720	0.015842	0.109207
## 1608	292	2.982220	0.014715	0.155426
## 21860	89	3.348198	0.027027	0.079810

## 6941	32	19.718678	0.011404 0.048047
## 20384	360	8.669816	0.017232 0.139774
## 14566	118	10.385571	0.009179 0.116737
## 1781	96	2.484761	0.018981 0.100879
## 14159	72	7.283981	0.019210 0.057639
## 9726	33	15.780231	0.019792 0.133144
## 21518	135	24.703640	0.019669 0.126157
## 14222	26	30.425772	0.002293 0.062981
## 91	53	1.104461	0.014388 0.113090
## 14013	75	13.722030	0.011227 0.108375
## 11712	731	11.526593	0.014539 0.145960
## 9620	25	16.064510	0.017082 0.109750
## 16013	57	4.737305	0.019929 0.080099
## 20589	31	25.986986	0.017612 0.092641
## 3678	58	1.859184	0.022322 0.055280
## 10262	25	17.951258	0.012007 0.086875
## 6076	209	10.047204	0.019031 0.122025
## 18613	1232	7.561494	0.015960 0.158061
## 14977	42	7.614383	0.019907 0.054911
## 4871	65	4.028237	0.017723 0.134712
## 15216	105	8.844779	0.019457 0.102083
## 6868	25	14.176540	0.013160 0.108500
## 10555	32	9.852754	0.018351 0.076465
## 14184	235	8.675586	0.017613 0.138138
## 8707	28	14.521604	0.015000 0.082589
## 1892	31	8.353067	0.016915 0.085685
## 10001	2031	5.791072	0.014568 0.122812
## 20974	67	14.507584	0.017331 0.130410
## 19073	35	8.134405	0.015354 0.126696
## 19319	25	25.096123	0.018534 0.081750
## 17690	46	23.957090	0.018094 0.085394
## 2602	59	12.453849	0.015097 0.147934
## 9764	45	16.315186	0.013250 0.125278
## 11700	71	25.787895	0.010404 0.148460
## 21779	86	4.940444	0.010772 0.135792
## 22241	51	3.809872	0.008382 0.064767
## 357	36	22.315346	0.017965 0.084201
## 12927	82	13.628304	0.020156 0.071265
## 115	63	9.762605	0.000559 0.098561
## 6551	29	1.796935	0.013501 0.096983
## 8064	27	36.876373	0.004290 0.079398
## 9023	25	36.053799	0.017865 0.087625
## 4950	296	26.054689	0.012168 0.085410
## 12304	121	9.514913	0.018149 0.090160
## 19547	114	5.114270	0.017957 0.101590
## 2575	152	8.921708	0.012905 0.146484
## 5499	61	14.144111	0.021870 0.147541
## 873	25	13.709672	0.013894 0.102625
## 18993	47	29.567060	0.025954 0.100066
## 11260	25	43.973316	0.012294 0.131875
## 19779	82	34.537495	0.017491 0.087195
## 19633	25	32.889210	0.019744 0.095625
## 13887	25	49.848984	0.016283 0.064500
## 11112	427	5.861637	0.015575 0.156067

## 5964	25	24.532129	0.011798	0.052250
## 11902	155	7.284979	0.016067	0.183569
## 12584	25	29.749331	0.020111	0.051250
## 3508	166	11.567222	0.017418	0.098626
## 16280	25	2.765616	0.024063	0.038625
## 15828	38	20.886072	0.012354	0.144655
## 2762	25	14.846550	0.015904	0.129250
## 17465	31	26.217020	0.014229	0.097480
## 10474	27	16.064045	0.016864	0.112153
## 21051	85	22.514460	0.020667	0.142206
## 19989	105	8.036927	0.015342	0.113810
## 21135	57	9.446683	0.020604	0.097149
## 11974	36	3.538051	0.014586	0.106597
## 4619	25	19.162449	0.009772	0.127125
## 15851	25	19.645096	0.007682	0.103500
## 8434	71	5.400995	0.019408	0.157174
## 18432	154	11.056897	0.017501	0.148296
## 7894	26	22.764517	0.009900	0.065144
## 260	99	12.947767	0.022098	0.080461
## 1897	208	2.389762	0.013118	0.093990
## 16282	26	27.962343	0.015108	0.036659
## 9353	99	5.553831	0.020407	0.114678
## 10130	231	17.837936	0.016623	0.098566
## 8192	32	10.026138	0.011318	0.082324
## 18957	26	13.962518	0.014512	0.120313
## 6215	208	10.871334	0.015639	0.129162
## 9177	95	25.491425	0.010990	0.125822
## 14759	25	5.535517	0.017190	0.075250
## 12756	54	4.711005	0.019575	0.130903
## 10365	25	11.680161	0.014119	0.104625
## 11151	926	6.339265	0.014732	0.145286
## 5215	204	11.347065	0.011757	0.102129
## 21151	94	3.899808	0.018830	0.133012
## 13442	25	50.353218	0.021644	0.069375
## 7587	89	11.335794	0.020413	0.123174
## 13933	29	14.733937	0.020774	0.100862
## 3639	25	22.788794	0.017087	0.105750
## 19925	28	15.405874	0.013843	0.085714
## 20611	28	15.386306	0.017586	0.108371
## 15203	25	4.563049	0.013720	0.057000
## 15528	74	3.083951	0.016276	0.082686
## 4073	35	17.602217	0.022352	0.069554
## 14329	82	34.862553	0.020394	0.093064
## 21876	110	4.428246	0.025244	0.099744
## 7737	71	20.513529	0.019563	0.120687
## 14095	49	14.568008	0.014478	0.098852
## 22390	91	15.418331	0.014319	0.146051
## 9689	27	23.806746	0.021351	0.093866
## 136	79	8.073709	0.017277	0.189320
## 22126	284	5.015410	0.012049	0.080557
## 19837	51	17.753267	0.016804	0.132169
## 9351	53	10.255159	0.018764	0.090212
## 18639	137	9.523458	0.018161	0.125046
## 20323	121	4.715189	0.016056	0.131766

## 20825	25	20.960945	0.016483	0.124125
## 10769	37	11.158848	0.008560	0.063767
## 8954	108	14.646949	0.009982	0.090220
## 2523	25	28.179651	0.015933	0.066625
## 6667	844	6.786531	0.015303	0.091314
## 4205	741	1.865474	0.017243	0.101636
## 11697	130	32.696533	0.014901	0.119688
## 16726	73	9.000942	0.022293	0.069563
## 13717	101	15.852248	0.021955	0.158261
## 21734	72	6.829387	0.010533	0.094488
## 18366	54	3.864917	0.017913	0.081192
## 4060	25	21.041981	0.012144	0.077625
## 21042	31	25.969437	0.020431	0.081250
## 9114	30	9.227193	0.016691	0.098750
## 8641	70	7.649909	0.013479	0.097455
## 6961	35	8.564889	0.017415	0.137946
## 21804	385	7.955470	0.017978	0.114789
## 6375	124	5.606704	0.019326	0.137752
## 18253	42	11.893044	0.014369	0.084449
## 18096	232	6.508795	0.020471	0.140571
## 20708	153	9.859852	0.021138	0.153697
## 21893	87	14.918767	0.018814	0.095510
## 10371	65	8.543732	0.011093	0.075529
## 9886	33	4.388717	0.014717	0.123769
## 2108	895	4.279843	0.015503	0.112636
## 874	44	11.068219	0.017180	0.103551
## 13545	71	5.516973	0.018832	0.100396
## 5578	39	18.289223	0.015547	0.112340
## 19892	38	19.665018	0.017409	0.077549
## 4625	59	4.077358	0.022039	0.059057
## 6012	94	1.236437	0.012387	0.066922
## 21675	25	11.877214	0.017755	0.109875
## 7590	26	46.432259	0.014780	0.123798
## 2851	35	23.958469	0.016026	0.105179
## 17927	536	11.711436	0.016293	0.143190
## 11496	47	4.812709	0.013385	0.108178
## 9772	71	7.454447	0.008708	0.247227
## 17371	38	12.357292	0.007645	0.068503
## 2685	36	14.434182	0.011062	0.307813
## 14199	137	13.008492	0.012814	0.150730
## 9979	25	25.535866	0.012432	0.081375
## 19621	26	30.607653	0.014200	0.112861
## 13634	25	31.074800	0.017209	0.104375
## 12379	722	7.580430	0.009289	0.111634
## 21673	34	17.562258	0.018375	0.118842
## 7115	101	14.479661	0.022438	0.106095
## 10866	40	11.750189	0.010743	0.084375
## 11108	48	26.908186	0.017671	0.136654
## 8033	25	43.155083	0.014559	0.119375
## 2462	313	2.206062	0.012878	0.127885
## 18982	25	28.141241	0.011341	0.097000
## 19718	27	15.205653	0.018031	0.078009
## 869	28	5.731909	0.019704	0.080022
## 15839	44	21.430721	0.005838	0.083026

## 15648	65	8.585046	0.015265 0.087933
## 5204	219	6.831649	0.012939 0.138913
## 7606	132	6.947986	0.022619 0.167566
## 2069	87	10.453750	0.018603 0.085273
## 10991	56	28.067516	0.013762 0.145480
## 15928	71	11.573367	0.019379 0.094498
## 3718	146	2.023491	0.013859 0.100813
## 12130	25	46.374794	0.008198 0.080375
## 12663	35	8.342580	0.014739 0.053214
## 8751	27	5.437560	0.006146 0.078588
## 19460	36	18.655830	0.016291 0.136979
## 4648	25	24.828543	0.011540 0.025750
## 13154	28	15.397051	0.019473 0.102679
## 5094	60	3.188180	0.018149 0.103438
## 7338	35	3.695368	0.007214 0.114107
## 1245	542	2.123740	0.016443 0.144932
## 273	25	38.174408	0.020235 0.085625
## 16929	37	4.521865	0.018555 0.055912
## 11999	34	2.950024	0.007445 0.090533
## 4628	64	10.551080	0.018321 0.089502
## 15139	59	2.623559	0.012405 0.106250
## 7867	26	10.731359	0.021748 0.090745
## 7250	166	7.861179	0.007399 0.138347
## 4226	118	2.349164	0.017955 0.079449
## 5439	44	37.141781	0.014326 0.133594
## 17644	239	5.137087	0.006000 0.114147
## 12064	71	4.267535	0.007664 0.154049
## 726	64	12.113605	0.020088 0.115674
## 21538	248	15.695460	0.010573 0.107737
## 15398	36	2.763780	0.016101 0.114757
## 9304	67	12.993298	0.019492 0.119543
## 8756	123	3.728560	0.013121 0.103963
## 3465	41	3.811500	0.023619 0.095579
## 17383	25	21.249571	0.017808 0.102375
## 13157	104	9.968237	0.020135 0.126803
## 15196	75	14.866605	0.009728 0.119833
## 18765	25	36.737091	0.007552 0.114500
## 110	25	6.800356	0.022842 0.060375
## 6713	51	16.057663	0.016598 0.099877
## 5283	95	7.674469	0.014984 0.110592
## 19793	66	10.856820	0.017227 0.097254
## 5357	357	8.196885	0.018385 0.105576
## 21796	883	5.780780	0.011285 0.151278
## 10915	29	13.012480	0.018482 0.084591
## 4078	38	8.982837	0.017891 0.098684
## 808	286	5.484491	0.014874 0.117330
## 3550	85	0.282725	0.018539 0.094632
## 10493	131	3.378365	0.021322 0.061069
## 8118	66	15.628716	0.011827 0.118561
## 9481	104	9.768848	0.023795 0.099339
## 1861	61	3.074645	0.021052 0.084016
## 11956	25	2.438366	0.011975 0.114250
## 7434	27	13.672769	0.004992 0.130324
## 21534	84	7.555489	0.014092 0.127679

## 7106	53	2.357336	0.014531 0.096757
## 3949	139	6.643818	0.017182 0.109083
## 2661	34	3.048539	0.013213 0.095221
## 10777	49	15.452194	0.012467 0.107844
## 6643	147	17.664917	0.018188 0.112372
## 4269	140	6.728631	0.021983 0.107969
## 14053	150	8.223397	0.015591 0.127271
## 321	25	25.798870	0.020505 0.096500
## 11092	668	7.855999	0.017087 0.145598
## 21989	25	23.561901	0.023182 0.096125
## 10145	562	6.981351	0.013690 0.121213
## 901	315	2.368557	0.015853 0.130436
## 4481	71	3.989804	0.019880 0.109419
## 17862	44	2.530094	0.015780 0.107102
## 3577	180	1.794452	0.015641 0.102014
## 16932	34	9.308613	0.014831 0.076379
## 6550	48	1.971843	0.005945 0.061914
## 11987	38	12.427738	0.010066 0.091201
## 10303	32	9.448736	0.020034 0.108594
## 15426	25	14.757725	0.015577 0.103500
## 8755	86	6.015475	0.011715 0.117551
## 12095	63	6.560477	0.016782 0.151835
## 5581	58	5.170714	0.012345 0.035884
## 20290	966	8.865707	0.013914 0.119219
## 12071	29	25.099249	0.013585 0.079418
## 5606	436	16.602814	0.018785 0.111590
## 4390	45	8.990517	0.018815 0.105625
## 16808	79	0.970786	0.014341 0.067365
## 380	32	8.028048	0.006999 0.109180
## 5454	25	16.941715	0.008845 0.055500
## 10325	25	6.310514	0.024807 0.057500
## 19184	26	13.636087	0.014658 0.114663
## 14262	533	12.371331	0.016769 0.113139
## 2930	227	3.435844	0.016765 0.104722
## 143	43	29.752813	0.014110 0.094622
## 20679	25	40.408905	0.020834 0.134000
## 18668	39	19.876719	0.005907 0.088301
## 9059	48	7.273405	0.014911 0.126888
## 19506	80	2.120610	0.014677 0.162773
## 15413	28	2.273576	0.017589 0.037500
## 21957	654	5.811713	0.014873 0.143105
## 6807	348	13.519344	0.014680 0.110686
## 15801	29	1.671225	0.011865 0.050216
## 5696	25	27.046019	0.016046 0.099500
## 3474	57	2.072927	0.016340 0.131798
## 21499	25	17.763624	0.015600 0.113000
## 7683	61	9.200033	0.019856 0.104559
## 1356	45	28.138954	0.017385 0.097222
## 22258	25	0.999746	0.016395 0.128250
## 1624	248	3.123563	0.015095 0.133896
## 1878	25	13.546747	0.015971 0.086875
## 3822	309	2.832203	0.016213 0.091444
## 19117	37	12.817243	0.013476 0.082264
## 12693	150	7.273678	0.017654 0.081062

## 18041	25	4.402086	0.010339 0.118625
## 21003	26	8.252435	0.018099 0.115385
## 12053	69	6.768660	0.011342 0.082337
## 1264	558	3.261148	0.016446 0.150050
## 20308	369	7.823974	0.015067 0.154963
## 599	27	25.348587	0.019545 0.082407
## 8991	504	12.642877	0.013388 0.153069
## 15919	50	10.125849	0.011342 0.061188
## 1381	69	3.513197	0.019550 0.101178
## 8243	339	8.627816	0.015055 0.143032
## 14928	25	32.047237	0.018473 0.026625
## 18027	25	2.933604	0.016413 0.061875
## 19585	892	12.185081	0.019480 0.076955
## 1280	32	3.034824	0.017699 0.113965
## 2656	210	2.442278	0.011767 0.102113
## 9083	47	17.683580	0.018123 0.117886
## 18893	25	36.985538	0.014169 0.081375
## 15487	25	5.017087	0.013742 0.079875
## 13458	25	58.191818	0.018160 0.118125
## 16530	80	25.342237	0.017843 0.082969
## 8251	25	49.882389	0.015130 0.123125
## 1065	36	4.175105	0.013515 0.100087
## 10737	47	21.431288	0.020434 0.109641
## 18390	84	6.217220	0.020656 0.089286
## 1350	176	3.110862	0.011716 0.101971
## 21194	29	6.418529	0.005512 0.106250
## 11150	430	5.909400	0.012023 0.120218
## 17252	63	12.826285	0.015552 0.119841
## 8652	171	11.937990	0.018681 0.141831
## 8876	196	6.113314	0.015216 0.143559
## 6454	118	8.427558	0.019158 0.149974
## 1812	1384	2.588425	0.018338 0.108779
## 18557	745	8.076048	0.014299 0.128821
## 6095	25	10.384280	0.005867 0.168875
## 15686	25	20.059237	0.015057 0.086125
## 3873	42	13.147450	0.020164 0.109375
## 8343	36	9.038016	0.014566 0.114844
## 142	74	26.645060	0.028694 0.080574
## 2840	34	3.095493	0.015469 0.085846
## 17999	32	22.099545	0.022616 0.070996
## 9127	74	16.286192	0.015972 0.075507
## 4094	25	10.906907	0.023863 0.081000
## 19516	57	25.362944	0.007791 0.079879
## 15341	135	6.818569	0.016094 0.081319
## 14596	74	5.157958	0.018483 0.101689
## 4761	45	6.811646	0.012310 0.112014
## 17486	32	12.517057	0.019560 0.105078
## 21754	27	3.933106	0.013532 0.082986
## 21965	26	18.820436	0.025404 0.101803
## 15817	25	20.824295	0.007224 0.111875
## 22289	25	5.098947	0.018526 0.066750
## 6737	156	16.631994	0.014297 0.142568
## 20378	357	7.946037	0.015810 0.155191
## 12585	38	23.008677	0.019646 0.049095

## 21397	31	11.542584	0.020081 0.141532
## 1110	44	4.097105	0.013149 0.099858
## 9276	82	34.805534	0.019494 0.105945
## 7224	85	9.556158	0.012314 0.145956
## 20702	25	24.365774	0.019436 0.133500
## 14518	99	20.518940	0.016348 0.098359
## 1147	114	4.139699	0.017703 0.117325
## 7839	31	16.899847	0.013905 0.096875
## 18384	25	14.396832	0.008585 0.055500
## 12989	25	7.077137	0.021535 0.126875
## 17788	62	10.424500	0.020349 0.106351
## 1513	87	6.053087	0.018194 0.098060
## 4725	25	19.069368	0.022489 0.050250
## 19748	34	13.247277	0.014902 0.081342
## 5279	25	9.370879	0.010026 0.135125
## 16807	49	1.282270	0.018903 0.086161
## 10326	25	3.324109	0.029109 0.122000
## 2305	409	3.568976	0.015850 0.118597
## 227	26	14.069808	0.021213 0.117067
## 678	57	10.488987	0.020044 0.062007
## 1014	45	5.958405	0.014882 0.135486
## 21633	25	23.776566	0.014475 0.112250
## 15681	121	7.207258	0.016962 0.129235
## 11590	45	2.752955	0.014976 0.091736
## 19140	38	2.857493	0.013879 0.076480
## 1851	28	2.977216	0.011105 0.094866
## 9972	536	12.005539	0.011960 0.133384
## 6327	35	7.862151	0.016167 0.144821
## 7771	77	8.214212	0.014803 0.107711
## 11038	27	6.584953	0.007323 0.118287
## 21819	46	12.520616	0.009134 0.077242
## 21761	1293	7.944803	0.014213 0.138119
## 6179	25	15.382489	0.016269 0.118000
## 12348	2384	6.633863	0.017057 0.140265
## 19336	75	22.243792	0.013605 0.115500
## 5782	62	4.445807	0.020024 0.137500
## 15519	67	18.033712	0.020829 0.082276
## 2413	32	9.192046	0.027578 0.041016
## 238	26	24.577648	0.026903 0.079688
## 13492	310	7.159895	0.015766 0.111885
## 12323	82	7.907722	0.012417 0.065206
## 10225	29	1.752634	0.014495 0.077047
## 1709	138	2.140973	0.013276 0.104257
## 14675	149	5.240212	0.018711 0.103943
## 6284	1012	6.789761	0.016086 0.153644
## 6921	134	8.498281	0.014668 0.105271
## 4453	75	1.138535	0.017269 0.080750
## 9287	55	7.136218	0.016131 0.090511
## 8520	53	16.849808	0.010197 0.100825
## 16681	34	10.686001	0.016124 0.039063
## 9819	33	19.497826	0.014916 0.066856
## 918	40	12.816945	0.013698 0.107344
## 6118	39	5.777782	0.008821 0.124038
## 6654	31	4.880772	0.015104 0.116129

## 6046	57	13.354373	0.018872 0.123300
## 19457	62	11.692052	0.017226 0.125958
## 2056	183	4.321971	0.020024 0.098292
## 7615	25	27.331589	0.022305 0.095000
## 10986	25	30.575869	0.014303 0.164750
## 9339	33	17.510685	0.017889 0.114867
## 11690	62	6.478876	0.021844 0.112399
## 14431	59	15.350808	0.008102 0.174629
## 17949	721	7.058803	0.018054 0.138935
## 9049	66	10.893556	0.020523 0.114252
## 5981	25	19.663454	0.017505 0.067250
## 22103	57	5.024829	0.009467 0.131524
## 19075	32	6.190718	0.016661 0.119238
## 22215	32	21.357603	0.011589 0.142480
## 15177	65	8.206315	0.016739 0.058654
## 22128	45	6.127450	0.009564 0.090000
## 8677	42	12.232109	0.016495 0.180952
## 4498	36	13.646601	0.008898 0.075174
## 15091	25	18.687658	0.020017 0.089125
## 6987	25	15.804094	0.005988 0.053125
## 20381	217	7.034602	0.018139 0.152779
## 16920	29	2.397100	0.012347 0.112284
## 7714	93	8.118464	0.023687 0.101848
## 16053	100	6.532946	0.015229 0.081250
## 8720	227	4.741808	0.013754 0.087583
## 12451	186	2.440244	0.017361 0.091633
## 405	38	8.986240	0.007446 0.110609
## 19082	25	43.218334	0.016901 0.103375
## 9951	42	22.245070	0.016160 0.130283
## 1635	134	5.192115	0.015810 0.118913
## 11864	25	10.039298	0.012998 0.224875
## 12835	27	21.489246	0.011747 0.069329
## 9749	164	16.667324	0.018520 0.097942
## 16575	49	1.172236	0.021593 0.070536
## 10460	36	14.888826	0.021554 0.057292
## 6930	131	5.625470	0.009388 0.114480
## 14745	28	10.953348	0.016964 0.123772
## 6377	96	14.871816	0.015434 0.118066
## 16862	30	10.820180	0.018290 0.128750
## 7012	405	15.524912	0.012445 0.191034
## 21504	30	26.617054	0.016353 0.122813
## 1903	438	3.205048	0.018272 0.106892
## 17984	25	5.272472	0.012738 0.060750
## 8686	71	4.101094	0.018066 0.117033
## 7404	60	6.062047	0.023804 0.048698
## 9746	167	26.353878	0.021189 0.107691
## 11220	63	20.773851	0.013949 0.078423
## 16507	75	10.168495	0.019488 0.067042
## 2764	278	5.865449	0.019908 0.117457
## 3052	45	4.846085	0.015271 0.078958
## 2319	71	7.465183	0.015451 0.103125
## 17213	171	5.063862	0.016453 0.103692
## 3871	40	5.874253	0.018587 0.125703
## 11082	25	41.859238	0.009212 0.111375

## 9763	32	14.560486	0.007999	0.075684
## 6652	39	7.095792	0.015476	0.195192
## 13836	47	18.218626	0.012900	0.116622
## 15891	102	1.926873	0.014835	0.090288
## 9825	61	6.637429	0.020466	0.080635
## 17248	60	9.440598	0.017001	0.113542
## 629	25	23.308466	0.014172	0.112375
## 6821	69	16.543732	0.014049	0.100000
## 5120	104	10.651153	0.020243	0.121905
## 4817	25	8.242200	0.018520	0.076625
## 7788	35	12.372498	0.011093	0.080982
## 14227	90	24.231241	0.013793	0.106910
## 19599	44	8.336991	0.025154	0.103551
## 1093	81	11.931564	0.018650	0.093210
## 21075	73	4.872005	0.021784	0.149272
## 7093	37	10.672306	0.017237	0.128378
## 2929	160	5.418316	0.013270	0.111543
## 4470	44	10.910720	0.016517	0.112003
## 1552	102	11.831303	0.012308	0.137071
## 20600	31	14.517076	0.015853	0.136290
## 2215	25	25.429930	0.011867	0.088250
## 10993	35	28.320112	0.014921	0.126607
## 7204	454	21.012514	0.012848	0.169142
## 4201	129	2.680411	0.016809	0.090092
## 8466	91	21.186995	0.018784	0.110096
## 2439	43	14.500189	0.015273	0.105233
## 12170	26	32.090752	0.020283	0.147957
## 9456	31	26.369535	0.023897	0.064919
## 8209	76	22.231167	0.013828	0.083100
## 18125	54	7.646546	0.019992	0.097569
## 10619	37	14.031065	0.023576	0.044764
## 21480	25	38.599010	0.003881	0.087750
## 9174	41	30.391033	0.020654	0.077210
## 19919	46	2.644722	0.017243	0.090081
## 3603	108	1.929744	0.014979	0.090770
## 11980	35	7.414066	0.017856	0.079464
## 5894	477	7.602079	0.020120	0.128046
## 14461	436	15.548604	0.013132	0.094445
## 15921	82	8.204140	0.007179	0.105678
## 13632	25	20.607100	0.018174	0.105125
## 469	37	5.901266	0.010308	0.202872
## 1184	25	12.225922	0.021637	0.085125
## 3205	92	4.309799	0.018824	0.123098
## 10742	30	6.281358	0.003090	0.228646
## 17654	64	5.004189	0.012219	0.088135
## 20621	29	1.520122	0.019224	0.162823
## 5528	29	19.842171	0.005786	0.083836
## 13288	25	40.944847	0.014655	0.111375
## 19050	73	5.557286	0.019695	0.119649
## 4519	25	14.872769	0.014392	0.029625
## 15537	41	6.675553	0.009505	0.074771
## 8453	42	12.144200	0.020514	0.172545
## 19034	55	7.319180	0.018133	0.088977
## 10845	40	8.452384	0.013730	0.045000

## 17777	58	8.031782	0.017701 0.089547
## 1798	44	2.610410	0.012155 0.125923
## 5896	2281	8.040996	0.018446 0.131649
## 2853	64	15.685511	0.019093 0.098047
## 19709	25	16.248268	0.021199 0.047125
## 1169	41	13.083413	0.008140 0.140854
## 3629	25	18.289793	0.016322 0.085250
## 18420	25	12.727447	0.009236 0.154375
## 1984	1315	3.249223	0.016690 0.117721
## 6025	780	6.172444	0.018400 0.136511
## 18980	100	5.240765	0.016222 0.117812
## 17458	64	8.226837	0.016177 0.133496
## 15238	32	26.764719	0.010509 0.090332
## 5336	30	8.946104	0.018465 0.086458
## 16730	135	6.585827	0.017042 0.079560
## 2285	44	11.742759	0.020010 0.080540
## 15222	44	16.155647	0.015718 0.110440
## 13365	58	20.280878	0.019373 0.108190
## 12813	37	12.841902	0.013599 0.110557
## 5746	27	13.687214	0.025302 0.068287
## 16511	25	10.139645	0.013592 0.094875
## 5973	100	12.722677	0.013889 0.135156
## 17744	491	7.994886	0.016042 0.131848
## 13016	122	1.590973	0.016610 0.139242
## 8934	133	4.800069	0.008743 0.061725
## 3821	217	1.655506	0.015263 0.089703
## 21924	588	8.296301	0.015142 0.118165
## 11658	57	14.155288	0.014518 0.095230
## 5938	68	4.371362	0.008917 0.123621
## 20737	25	10.576493	0.011960 0.094500
## 16375	59	5.508191	0.015642 0.137288
## 16251	35	8.433444	0.013898 0.061429
## 22438	108	2.660623	0.016535 0.152286
## 5413	28	20.783796	0.012926 0.072656
## 21337	61	6.865797	0.014297 0.109887
## 13361	25	37.567738	0.017375 0.078000
## 1567	204	3.344659	0.014881 0.142463
## 15110	44	2.020118	0.011063 0.075426
## 10764	76	8.736900	0.014510 0.103536
## 20145	43	13.796123	0.017498 0.134230
## 14986	131	3.636583	0.020024 0.138168
## 18050	25	6.968273	0.011446 0.075125
## 4830	264	22.039940	0.018806 0.063388
## 17178	25	8.860061	0.016977 0.071625
## 21523	108	26.408157	0.017307 0.090133
## 1476	72	14.194271	0.020446 0.068359
## 3967	135	1.899886	0.022342 0.087639
## 5398	219	20.698568	0.013062 0.115283
## 2754	68	8.158098	0.021167 0.106985
## 12801	25	23.155197	0.015154 0.071375
## 8351	25	6.318996	0.004655 0.072750
## 2265	33	6.807614	0.016263 0.078409
## 5236	61	18.459890	0.029048 0.121414
## 12599	347	5.008244	0.020789 0.097082

## 8529	41	16.591919	0.017463 0.107851
## 22180	25	14.542183	0.018008 0.088625
## 8067	176	18.298771	0.016403 0.116761
## 171	44	7.816250	0.011985 0.114702
## 4285	169	12.054614	0.016629 0.109079
## 22527	29	2.523880	0.016673 0.082651
## 20468	642	10.392447	0.016055 0.149144
## 17829	48	2.452448	0.018719 0.086198
## 3676	105	3.171838	0.020463 0.096161
## 4101	36	22.521757	0.022371 0.083073
## 22541	30	9.408182	0.011282 0.116250
## 13792	60	16.893476	0.020661 0.096250
## 22538	38	7.689936	0.026308 0.107977
## 19578	427	15.924500	0.019587 0.099319
## 6707	115	8.280718	0.022254 0.086902
## 21368	48	7.220274	0.018849 0.119271
## 14565	199	4.999360	0.014306 0.110883
## 13760	25	31.228483	0.014060 0.112125
## 8341	43	1.944917	0.016375 0.062064
## 9940	104	21.890196	0.014209 0.145132
## 14848	44	5.430609	0.011341 0.167543
## 9743	92	5.281365	0.022705 0.105707
## 19533	59	16.022793	0.016437 0.135434
## 14574	87	22.768435	0.010487 0.118714
## 3806	25	13.370007	0.019849 0.095250
## 19081	51	17.753687	0.017873 0.125000
## 7409	25	29.505037	0.013907 0.081875
## 1515	492	3.565207	0.017169 0.109781
## 19191	25	26.251055	0.017169 0.125750
## 19038	59	18.099369	0.018499 0.113189
## 7983	54	7.104708	0.014624 0.100752
## 6655	72	5.793611	0.018760 0.131033
## 6233	100	10.123446	0.011848 0.086594
## 4928	43	4.019417	0.015757 0.115916
## 13047	25	9.893423	0.005077 0.093875
## 8611	39	27.666685	0.013269 0.084615
## 2973	84	2.324438	0.010484 0.159152
## 3555	63	1.716462	0.017158 0.088095
## 1827	57	2.960715	0.023707 0.105263
## 3426	215	4.569351	0.018556 0.097849
## 6806	151	12.864013	0.018773 0.111279
## 2911	67	8.501358	0.012054 0.133302
## 9466	60	16.824156	0.022411 0.077552
## 1300	34	13.888767	0.019793 0.116176
## 16719	176	7.308249	0.017441 0.116158
## 18391	102	4.262813	0.019520 0.087347
## 13831	41	15.630353	0.011812 0.164329
## 7556	273	17.165682	0.017343 0.059249
## 1318	25	8.831167	0.009686 0.091375
## 19261	211	11.043774	0.014233 0.150089
## 6609	69	4.344640	0.021635 0.101993
## 16484	64	4.151253	0.011674 0.163379
## 3657	41	14.483638	0.014318 0.112729
## 11284	42	4.614542	0.020427 0.089807

## 1083	93	2.968154	0.018536 0.088609
## 21251	36	13.183871	0.017366 0.144531
## 13162	48	8.134526	0.018158 0.148438
## 18920	104	9.077307	0.016737 0.131040
## 8998	60	26.244404	0.011158 0.095573
## 4468	26	13.200062	0.016712 0.107572
## 17315	74	6.898929	0.016148 0.087035
## 12336	326	5.135990	0.018541 0.140721
## 7441	44	4.661384	0.012903 0.126776
## 4810	40	23.480412	0.015027 0.077109
## 4819	25	9.124380	0.018177 0.062375
## 7430	68	1.648135	0.010507 0.145680
## 12427	25	23.665127	0.016717 0.143875
## 19812	27	19.342272	0.014570 0.136574
## 10304	26	1.032626	0.021036 0.094712
## 5703	1244	5.380625	0.016865 0.124706
## 11270	291	6.778673	0.013376 0.137135
## 7975	36	31.217543	0.008187 0.133507
## 5071	113	6.955409	0.016700 0.077019
## 2694	99	6.259881	0.017012 0.181976
## 7184	83	5.618452	0.024038 0.126544
## 6044	2139	6.403092	0.016781 0.133370
## 17262	25	45.235928	0.032241 0.022125
## 10045	32	19.668423	0.013463 0.102344
## 12918	25	5.911513	0.017048 0.134500
## 2954	298	1.594824	0.015874 0.110141
## 18113	397	8.480992	0.018102 0.117223
## 10838	135	6.379354	0.022861 0.045995
## 3770	71	11.355034	0.020049 0.104445
## 8258	722	9.536412	0.016404 0.176498
## 1212	130	9.637174	0.019336 0.121514
## 1873	79	11.316397	0.019180 0.085997
## 20761	395	8.997039	0.020897 0.139169
## 15297	175	5.479783	0.011556 0.128607
## 20138	37	39.555527	0.016132 0.111149
## 9920	153	7.429995	0.022267 0.107006
## 3521	25	5.049227	0.019866 0.096000
## 9274	25	54.750153	0.016891 0.119375
## 21141	48	7.341329	0.017468 0.136849
## 4152	145	10.341040	0.016102 0.104828
## 4610	55	10.246035	0.010219 0.104716
## 18053	55	24.500164	0.022384 0.092670
## 6852	27	4.833090	0.018246 0.057060
## 346	47	22.203688	0.016848 0.245612
## 21565	27	28.498362	0.010359 0.149537
## 8477	1202	9.987440	0.017907 0.110683
## 20560	44	7.329696	0.009357 0.083807
## 14104	67	16.578083	0.011848 0.137080
## 18304	1369	7.720842	0.017671 0.127545
## 19295	244	12.797402	0.011201 0.134375
## 1561	323	23.347075	0.015423 0.119350
## 16746	25	21.247507	0.016259 0.105500
## 4973	88	11.447234	0.010929 0.101740
## 9745	43	5.167592	0.020099 0.097892

## 2213	150	11.062345	0.012525 0.123062
## 1692	241	2.765859	0.014870 0.127191
## 17869	25	28.059708	0.002100 0.082125
## 2527	28	6.895775	0.015379 0.081808
## 16048	79	16.704897	0.017991 0.068750
## 22313	69	4.422781	0.019336 0.060281
## 2831	48	18.481153	0.013458 0.075586
## 13219	25	20.787237	0.013116 0.119875
## 904	34	4.035561	0.015023 0.177206
## 5613	125	17.164934	0.018000 0.133925
## 1079	33	0.225028	0.014231 0.113258
## 7457	137	11.467395	0.009412 0.112432
## 21792	25	32.021400	0.007968 0.111875
## 10861	36	17.368591	0.023833 0.103559
## 2116	52	6.564077	0.016717 0.094291
## 2686	249	12.706748	0.015941 0.215136
## 3363	168	12.040702	0.015985 0.119178
## 3048	56	4.134388	0.016171 0.132701
## 11618	37	8.811972	0.015375 0.124071
## 22455	126	8.152981	0.020087 0.131647
## 10881	45	4.029321	0.020486 0.100764
## 4980	46	11.799032	0.011548 0.141101
## 4549	65	9.403087	0.018073 0.062644
## 5854	212	8.607676	0.013795 0.105778
## 3216	110	5.471561	0.015627 0.089318
## 6210	26	17.264153	0.014423 0.116226
## 8038	60	23.605223	0.020173 0.148490
## 9413	29	7.741478	0.011848 0.057112
## 7096	249	3.248898	0.012634 0.109024
## 6132	25	11.920532	0.016723 0.089500
## 15424	25	23.587292	0.004361 0.105250
## 21921	355	6.626758	0.014292 0.133591
## 4027	409	3.624350	0.019495 0.086705
## 20396	25	12.791211	0.013277 0.133375
## 14828	110	3.840641	0.018339 0.134915
## 4581	83	23.649399	0.015946 0.098833
## 6022	80	8.764653	0.013574 0.174023
## 7323	30	3.555949	0.000075 0.059479
## 11147	220	5.122469	0.018232 0.177202
## 7629	249	7.310058	0.016680 0.072565
## 9528	161	5.653697	0.021060 0.130454
## 21142	47	13.085851	0.022240 0.101995
## 17387	34	13.158745	0.015035 0.105055
## 19121	61	6.674967	0.018061 0.067623
## 17439	76	15.542560	0.009135 0.107237
## 5645	5731	6.600571	0.016157 0.130537
## 15023	25	9.327084	0.019284 0.071375
## 13354	27	14.335336	0.019231 0.061921
## 1934	35	11.388228	0.018660 0.083929
## 15060	27	21.421705	0.013401 0.079977
## 7302	228	2.435345	0.016764 0.109512
## 12318	56	8.156324	0.018313 0.076060
## 5249	90	10.839178	0.010546 0.096007
## 3825	95	2.427035	0.015933 0.108257

## 9889	26	7.575639	0.022069	0.075841
## 22148	35	3.995425	0.008444	0.080357
## 290	60	6.608930	0.023014	0.083177
## 8335	29	14.733842	0.003795	0.211746
## 4900	34	23.632996	0.021500	0.053860
## 9499	25	10.571414	0.016514	0.152125
## 12178	37	33.630749	0.014223	0.181588
## 12415	25	19.295219	0.007083	0.071750
## 15277	42	7.455110	0.016045	0.092783
## 9668	55	7.193035	0.022019	0.129091
## 1570	260	3.333114	0.012632	0.125625
## 20041	26	12.976821	0.021783	0.080409
## 4139	29	2.826100	0.015956	0.080711
## 22130	43	29.842342	0.003663	0.120131
## 3692	132	2.269794	0.019456	0.098911
## 9766	35	11.631963	0.008197	0.075982
## 11132	1618	5.784401	0.016542	0.145981
## 5331	52	21.598331	0.024381	0.090204
## 4428	25	3.712091	0.017333	0.060750
## 6979	34	7.297144	0.023538	0.050000
## 10793	85	11.552407	0.015024	0.087426
## 13274	698	8.633879	0.017063	0.131308
## 10761	45	15.511301	0.005244	0.224653
## 14357	67	14.244835	0.016786	0.134701
## 11482	27	14.878551	0.012409	0.056481
## 18163	51	10.294499	0.009158	0.129841
## 2935	94	2.681138	0.014779	0.135572
## 19012	25	15.518215	0.016181	0.049625
## 2324	59	5.776295	0.019540	0.099311
## 14062	111	5.806038	0.018707	0.080377
## 12535	46	27.352945	0.016711	0.124932
## 10880	73	1.089555	0.024778	0.093664
## 19469	47	18.545092	0.018019	0.123737
## 8354	64	4.898044	0.010926	0.103369
## 16967	83	2.211699	0.015471	0.108998
## 11603	30	7.741362	0.012630	0.120729
## 2979	70	6.928920	0.012321	0.132991
## 7704	723	13.129597	0.009894	0.271568
## 7350	26	13.200347	0.020441	0.082813
## 19963	33	4.473452	0.015329	0.112595
## 20460	239	8.373185	0.016205	0.144155
## 18108	204	7.111312	0.019101	0.111535
## 10119	255	4.421304	0.014991	0.124657
## 3293	204	2.345407	0.013425	0.169378
## 8832	27	5.742157	0.015822	0.108681
## 10780	25	17.401548	0.016664	0.085625
## 18355	29	15.358635	0.008659	0.115625
## 2309	132	5.614606	0.012552	0.119792
## 7076	47	3.594124	0.007479	0.041223
## 4232	25	14.221929	0.013177	0.088625
## 9515	31	11.443822	0.021516	0.089214
## 396	25	9.288410	0.012186	0.151125
## 9977	70	9.626486	0.012826	0.083527
## 11724	304	13.327914	0.015644	0.216735

## 1823	127	3.117452	0.016826 0.114370
## 6789	63	18.922211	0.011007 0.193502
## 7654	59	9.131392	0.013817 0.078655
## 3396	25	4.559599	0.017359 0.073500
## 2484	81	11.529444	0.021174 0.108102
## 7557	125	18.737709	0.022016 0.078675
## 5506	34	12.372265	0.021756 0.108915
## 8778	56	12.185925	0.022480 0.092076
## 340	25	43.834316	0.018213 0.104375
## 5660	86	6.750345	0.012066 0.089099
## 16453	50	1.842034	0.015273 0.074188
## 1100	41	31.762314	0.020849 0.068140
## 10663	42	6.501225	0.013922 0.085268
## 15460	34	1.137325	0.017846 0.107904
## 5234	36	18.705120	0.006572 0.060069
## 1510	155	2.848434	0.020351 0.093851
## 20019	164	6.505598	0.015902 0.114653
## 12740	25	25.265076	0.010214 0.066750
## 6223	34	2.284700	0.019149 0.078768
## 707	211	2.884233	0.015759 0.117254
## 20046	61	24.433956	0.018921 0.098822
## 21827	32	20.330318	0.022201 0.090723
## 11206	84	20.276054	0.014125 0.157515
## 2883	124	6.610588	0.013588 0.120590
## 20643	47	18.159140	0.021377 0.100532
## 13323	651	8.261505	0.014193 0.112294
## 1921	26	18.423777	0.021070 0.099399
## 201	25	3.374464	0.021211 0.090750
## 18083	25	6.715043	0.008499 0.100625
## 14939	117	8.184122	0.020067 0.145326
## 6908	106	4.565437	0.015669 0.101327
## 6593	53	9.863832	0.015900 0.072229
## 20361	177	7.017170	0.009214 0.137676
## 5013	41	14.063546	0.014042 0.061738
## 6656	277	22.112154	0.021638 0.082062
## 21736	59	3.280585	0.013137 0.089989
## 9674	28	5.208101	0.016588 0.104464
## 20189	64	11.155518	0.012886 0.137891
## 21487	25	48.282104	0.020764 0.132125
## 5045	48	3.032133	0.013163 0.073828
## 13050	45	9.452114	0.017000 0.117500
## 10232	26	2.073445	0.014336 0.107813
## 10887	25	7.542060	0.007864 0.089625
## 14767	25	6.024074	0.016535 0.111125
## 10524	135	6.615003	0.013657 0.095185
## 16379	29	11.516630	0.012019 0.154203
## 19673	45	19.017693	0.024717 0.079306
## 18026	44	3.221929	0.018894 0.127628
## 12616	60	8.491660	0.020854 0.052865
## 14114	25	22.435278	0.004137 0.062188
## 8530	25	12.491886	0.015207 0.109875
## 1365	130	9.598274	0.017130 0.114832
## 20157	111	7.132659	0.016409 0.104110
## 14273	81	22.201635	0.005752 0.080787

## 6503	221	8.471941	0.014643	0.111256
## 21089	58	13.247617	0.017186	0.124030
## 8974	109	10.737878	0.015785	0.116485
## 20173	25	23.332397	0.012055	0.141875
## 9004	28	28.530277	0.008322	0.049665
## 13364	30	18.569164	0.019249	0.096042
## 3701	92	3.468494	0.016878	0.076019
## 1595	39	1.938782	0.009888	0.089503
## 19470	101	15.573381	0.015643	0.133075
## 21905	196	4.041436	0.018643	0.104943
## 7552	355	13.204705	0.016177	0.069754
## 11330	25	30.936281	0.018719	0.124375
## 14134	61	6.422705	0.020887	0.106609
## 10662	130	9.577431	0.017891	0.069808
## 2509	44	24.919489	0.005126	0.065838
## 18109	25	13.845643	0.012962	0.104250
## 7389	152	15.766902	0.016217	0.217311
## 5957	45	6.499939	0.006867	0.095000
## 19275	33	5.902701	0.007662	0.137595
## 8983	750	11.454241	0.018213	0.154429
## 5017	77	5.170145	0.009275	0.053856
## 21559	269	13.720318	0.013737	0.143785
## 11711	294	13.631274	0.018561	0.150160
## 1450	107	18.784155	0.018412	0.112529
## 21312	45	2.411565	0.024849	0.056736
## 7069	137	6.485287	0.022502	0.100274
## 15130	43	6.029836	0.018713	0.098329
## 3815	152	2.685977	0.016157	0.113775
## 4076	30	2.597971	0.022914	0.085833
## 16560	44	4.741450	0.014780	0.104119
## 12821	72	10.182962	0.013764	0.083854
## 1111	53	2.602025	0.015607	0.102771
## 15823	34	1.870616	0.012055	0.090993
## 3564	302	2.886246	0.017809	0.081560
## 19810	29	14.976274	0.014970	0.124569
## 17492	40	24.143229	0.021930	0.115000
## 3429	276	1.583992	0.017495	0.084273
## 5196	27	3.949047	0.012234	0.154977
## 19465	36	11.545620	0.018606	0.101302
## 5118	1052	4.426810	0.016297	0.109568
## 18662	25	62.422470	0.013110	0.066375
## 2526	55	5.832146	0.017716	0.097557
## 7021	919	13.509820	0.014924	0.105964
## 2967	666	1.980737	0.012606	0.157146
## 4522	28	22.348713	0.005966	0.044978
## 4582	69	13.091415	0.010766	0.071150
## 8167	26	5.824603	0.017138	0.048077
## 20512	63	12.727058	0.014362	0.242708
## 15115	154	7.801178	0.014569	0.134598
## 9692	67	16.777374	0.022278	0.155924
## 8970	1476	7.984245	0.018261	0.153656
## 15343	29	1.706977	0.015574	0.092565
## 10183	36	19.419855	0.018303	0.094358
## 5674	160	9.070403	0.012226	0.103730

## 3224	163	2.753280	0.015609 0.108992
## 6049	1832	7.103363	0.018827 0.143257
## 22303	29	8.291210	0.015576 0.058405
## 3257	70	2.879819	0.016202 0.094732
## 5508	111	8.502557	0.021901 0.118215
## 6368	53	17.636728	0.020673 0.068219
## 6517	25	27.979473	0.014537 0.145125
## 11407	29	2.495610	0.022344 0.042241
## 19223	47	13.195527	0.020200 0.129122
## 19917	31	2.185114	0.013806 0.135383
## 11307	34	14.091172	0.010841 0.088511
## 14989	40	7.944767	0.011084 0.082031
## 18757	55	20.295645	0.005402 0.102500
## 11162	25	12.074216	0.018639 0.118000
## 3542	58	8.012026	0.016465 0.122414
## 21514	65	15.774737	0.017956 0.149711
## 16383	25	7.146526	0.017162 0.108375
## 3689	129	9.133573	0.017539 0.118532
## 17125	93	11.519026	0.010973 0.083804
## 11061	123	10.493150	0.018908 0.130386
## 6459	28	10.201383	0.006997 0.193192
## 19339	120	21.918207	0.021566 0.168490
## 18631	975	11.516441	0.015208 0.166016
## 9286	46	2.704040	0.010290 0.078397
## 15009	107	7.808136	0.006124 0.070678
## 6520	28	37.574501	0.011079 0.131250
## 6356	25	24.581135	0.011763 0.098375
## 20810	32	42.638851	0.018972 0.086328
## 10637	27	10.555242	0.019123 0.057292
## 5402	709	3.474922	0.013582 0.142022
## 15566	278	12.921467	0.016279 0.079564
## 18110	210	6.801527	0.008209 0.112783
## 9368	32	24.074402	0.013781 0.086621
## 20306	702	6.008736	0.016634 0.157986
## 8591	162	10.026218	0.009239 0.145177
## 1066	38	6.401379	0.016061 0.102138
## 18956	49	19.167612	0.015718 0.108546
## 20211	113	8.033319	0.011907 0.168722
## 4706	31	5.892178	0.020307 0.060786
## 8316	25	22.073105	0.010829 0.077375
## 3721	29	2.625041	0.018095 0.090948
## 19396	140	13.290587	0.013133 0.095558
## 10133	76	24.608398	0.012817 0.099507
## 19485	35	16.562559	0.018677 0.131161
## 11984	31	21.212479	0.018189 0.106351
## 4343	156	6.020313	0.017309 0.117548
## 14226	25	23.303961	0.003931 0.157500
## 21114	161	6.927628	0.020293 0.163393
## 15773	25	12.616760	0.015136 0.101875
## 2622	31	11.092016	0.015694 0.103327
## 12047	25	19.150183	0.010209 0.148250
## 10475	42	7.718292	0.012348 0.131696
## 1554	25	31.999580	0.012509 0.097125
## 10891	25	14.876457	0.018813 0.095500

## 14115	58	17.354599	0.019866	0.075808
## 11138	203	7.990634	0.015381	0.133282
## 15867	141	22.670952	0.014908	0.112589
## 15713	65	6.565099	0.019473	0.092885
## 2544	344	6.394168	0.018556	0.113163
## 17573	25	15.019714	0.012146	0.076875
## 4117	95	11.509451	0.019425	0.104803
## 8261	25	44.501392	0.014107	0.105500
## 11561	25	21.688215	0.012397	0.116375
## 15361	54	3.792701	0.018572	0.152836
## 15783	134	7.584687	0.016710	0.107439
## 12696	69	12.009575	0.015796	0.082382
## 19248	103	10.797829	0.011238	0.152154
## 5365	127	12.949137	0.016345	0.112057
## 1412	58	17.665285	0.015519	0.152694
## 9621	25	26.612738	0.011144	0.081875
## 8657	137	7.500741	0.013247	0.108508
## 8713	143	8.787610	0.014883	0.135227
## 14801	25	18.195658	0.014412	0.062750
## 9616	25	25.889673	0.007412	0.118125
## 17759	314	7.920327	0.015114	0.132474
## 15699	50	24.899284	0.014754	0.096063
## 21493	25	29.179323	0.015649	0.137250
## 15380	28	4.833746	0.013587	0.116741
## 19507	57	16.819740	0.021056	0.163322
## 22037	268	5.340052	0.014304	0.114202
## 1914	25	16.776608	0.023901	0.081000
## 12349	555	6.719103	0.017219	0.138007
## 3180	33	23.151785	0.017388	0.071875
## 9660	85	21.363611	0.021003	0.088934
## 10932	113	5.453187	0.005691	0.206554
## 20672	36	17.046892	0.012352	0.115799
## 3504	29	2.710258	0.015618	0.084591
## 18122	40	8.922533	0.013413	0.146641
## 21417	25	35.313667	0.022299	0.071375
## 9570	25	16.936359	0.011693	0.083250
## 13107	32	9.807513	0.018141	0.083789
## 1553	34	3.011975	0.013589	0.130423
## 11319	27	15.446120	0.016523	0.094097
## 10560	29	17.427357	0.002831	0.083513
## 15574	31	5.806879	0.021759	0.075907
## 16652	164	12.346547	0.022492	0.074524
## 2328	38	5.400119	0.010847	0.132401
## 19651	25	26.857050	0.007355	0.094875
## 8447	36	8.698269	0.003828	0.068142
## 7360	276	13.047900	0.020717	0.160824
## 716	2850	11.713734	0.018643	0.105323
## 10646	69	4.553586	0.016240	0.099955
## 19367	313	11.240891	0.005830	0.106300
## 14093	452	3.532096	0.016338	0.126182
## 18547	25	42.632179	0.017233	0.118000
## 739	31	15.200624	0.017510	0.071573
## 8927	57	11.489447	0.014853	0.138487
## 9013	71	5.734752	0.022796	0.081822

## 18953	32	6.452225	0.016276 0.116113
## 9264	25	36.200199	0.016843 0.083125
## 20843	28	5.220516	0.015800 0.105692
## 16526	226	6.849181	0.017617 0.094939
## 16697	163	2.073453	0.011691 0.128144
## 16439	50	7.764969	0.016239 0.138313
## 20978	27	23.576309	0.016096 0.133681
## 15211	25	8.241851	0.014489 0.093250
## 12270	34	20.680511	0.011555 0.107169
## 2548	109	10.083488	0.016714 0.115826
## 20657	79	16.887362	0.020380 0.123616
## 17116	230	7.352633	0.018112 0.127283
## 22457	82	7.955750	0.005229 0.115473
## 6694	47	9.471996	0.018632 0.131915
## 19226	67	13.279400	0.020255 0.149114
## 20980	94	3.956935	0.018999 0.143650
## 1559	111	4.584739	0.015304 0.214893
## 9439	25	63.667286	0.013501 0.054375
## 7884	114	12.091021	0.008197 0.064803
## 9871	36	18.542868	0.023801 0.149479
## 16145	28	4.530814	0.019125 0.075670
## 16747	30	10.437551	0.009915 0.113125
## 8938	27	25.616501	0.007855 0.127546
## 10554	110	10.158850	0.018945 0.088608
## 15457	149	4.611182	0.018219 0.097504
## 3675	29	1.236706	0.018759 0.081681
## 20556	46	11.718194	0.018271 0.134035
## 16579	28	6.070475	0.024594 0.147656
## 17161	37	35.593327	0.020132 0.084882
## 8130	38	12.920518	0.011775 0.090049
## 11519	32	0.919669	0.026380 0.057227
## 17385	25	22.294582	0.017182 0.093750
## 3532	36	22.250044	0.016179 0.065712
## 5315	125	9.642102	0.015187 0.161125
## 12749	60	4.227197	0.017403 0.066302
## 10618	76	6.145001	0.026349 0.044655
## 9733	64	7.362375	0.016256 0.217871
## 7474	25	14.955585	0.017484 0.111250
## 16761	57	3.011036	0.016667 0.085033
## 394	28	14.060971	0.012397 0.099330
## 7332	25	13.828962	0.017629 0.107375
## 1566	534	2.637751	0.012973 0.107684
## 3434	295	6.932586	0.013457 0.075551
## 12889	47	17.236305	0.025969 0.059840
## 2441	25	21.569380	0.010770 0.137375
## 6041	514	7.878505	0.016073 0.113406
## 19178	35	7.364687	0.020456 0.103750
## 7595	1154	5.300776	0.008736 0.152973
## 14274	96	21.698633	0.023654 0.094238
## 6055	1806	6.951908	0.019262 0.143659
## 6110	32	3.624131	0.014324 0.064746
## 10664	35	8.701019	0.015516 0.073571
## 324	41	16.049206	0.021112 0.155716
## 15282	35	7.893744	0.024147 0.098929

## 12141	26	43.218307	0.010799	0.057933
## 11164	34	17.749172	0.019409	0.117923
## 15454	29	1.765122	0.012837	0.121875
## 14715	30	10.088156	0.016190	0.076667
## 21943	1003	8.061265	0.015986	0.127925
## 7160	25	30.322582	0.010333	0.158125
## 13327	493	8.409747	0.018166	0.122591
## 14539	62	17.959917	0.023052	0.075151
## 21032	32	41.909512	0.006777	0.114551
## 9790	52	25.777431	0.014710	0.101082
## 12885	39	20.432465	0.027310	0.038462
## 7937	60	22.751657	0.023011	0.163229
## 5393	29	6.971352	0.009981	0.098384
## 22358	32	22.180426	0.016044	0.106543
## 20870	36	12.894662	0.020685	0.089931
## 12104	432	15.139387	0.018199	0.136929
## 7632	239	6.601887	0.018544	0.074752
## 20508	304	14.546342	0.016002	0.142013
## 5530	25	25.850994	0.007656	0.051500
## 9973	25	29.570723	0.005815	0.114375
## 21988	89	3.215434	0.021408	0.081742
## 4181	63	2.363901	0.012671	0.142411
## 18433	138	10.827527	0.015272	0.143501
## 17606	73	20.750938	0.009121	0.082192
## 1426	25	21.049212	0.007999	0.092750
## 1763	25	10.548776	0.018125	0.099375
## 17222	151	26.780960	0.016885	0.108092
## 12941	25	31.502464	0.015729	0.083500
## 41	119	11.432533	0.013902	0.100263
## 20105	29	1.788713	0.014187	0.101185
## 4537	38	4.752704	0.017710	0.043092
## 9400	171	22.526112	0.011487	0.130665
## 4126	25	3.204044	0.018552	0.082875
## 12343	4210	7.512435	0.016748	0.144033
## 7172	104	18.287617	0.020586	0.090565
## 21291	282	10.314679	0.006988	0.087057
## 5155	37	9.313793	0.010304	0.090541
## 19657	29	33.327602	0.021887	0.138470
## 4200	253	1.323907	0.017647	0.087908
## 6891	293	16.715162	0.017133	0.171790
## 14769	45	0.978633	0.019919	0.092361
## 4513	66	4.751842	0.017844	0.057670
## 14860	27	14.872156	0.013718	0.076389
## 3585	112	4.032493	0.018383	0.087835
## 6428	51	10.363648	0.013504	0.114645
## 15122	328	13.657611	0.013253	0.084194
## 17039	36	13.603385	0.017209	0.082378
## 14909	218	21.230879	0.022137	0.073638
## 22121	145	4.026149	0.019846	0.058211
## 15046	82	10.102125	0.020719	0.055640
## 11768	75	20.302671	0.015660	0.106458
## 10036	157	9.130735	0.019421	0.135589
## 16780	65	6.210143	0.020120	0.143894
## 17879	35	39.232849	0.015451	0.081696

## 18139	48	11.211384	0.014044	0.071680
## 7077	25	8.078812	0.004016	0.035250
## 10042	491	8.767265	0.017906	0.151222
## 2079	25	21.032314	0.021133	0.045625
## 3888	26	5.972925	0.010798	0.089663
## 8731	81	6.997937	0.010323	0.120988
## 12377	57	13.569954	0.013050	0.106743
## 702	212	2.962648	0.015086	0.108638
## 10975	72	9.911988	0.016083	0.155035
## 5407	829	4.781591	0.016397	0.092838
## 12773	55	17.768364	0.018934	0.046875
## 10940	111	5.978132	0.025356	0.111177
## 5180	25	12.486286	0.022026	0.060750
## 13142	60	18.715570	0.018644	0.118906
## 13652	32	40.992596	0.018881	0.075879
## 18607	405	16.768534	0.014354	0.199869
## 1600	43	2.785914	0.019018	0.107849
## 7691	641	12.842518	0.017065	0.210833
## 11542	110	3.627137	0.019364	0.169830
## 4783	59	4.057264	0.013580	0.095922
## 19424	85	21.416042	0.018230	0.085625
## 16524	102	15.857416	0.018301	0.130331
## 3985	326	1.978134	0.018411	0.111216
## 13725	26	7.608653	0.017989	0.114663
## 14629	200	15.259313	0.013998	0.116844
## 15141	25	2.936844	0.010701	0.104625
## 11484	149	4.693906	0.016741	0.109312
## 10692	131	10.576100	0.009512	0.112762
## 21540	79	19.259853	0.013792	0.076701
## 13	27	16.643291	0.015009	0.094676
## 12639	37	20.564856	0.014059	0.100845
## 4946	25	19.771742	0.014657	0.081375
## 20566	26	4.263185	0.022236	0.080288
## 3393	97	6.745328	0.024987	0.074517
## 13771	38	18.664343	0.020309	0.080839
## 3286	249	2.466471	0.015859	0.116064
## 7820	47	12.202888	0.010737	0.185904
## 8944	25	31.697012	0.011083	0.124625
## 1846	88	8.647328	0.017487	0.112926
## 2033	30	9.085158	0.018141	0.100938
## 4009	217	3.529988	0.013573	0.109807
## 7271	29	5.920777	0.008269	0.106466
## 12911	29	2.713358	0.000830	0.029957
## 19896	33	19.960806	0.006702	0.079356
## 8217	25	19.716005	0.016842	0.103625
## 17344	33	4.564330	0.017975	0.063352
## 22298	111	2.858494	0.016970	0.123311
## 12961	248	2.521555	0.016634	0.109854
## 22050	25	15.232428	0.019035	0.080000
## 7596	25	12.112644	0.011153	0.113625
## 376	68	4.371362	0.008917	0.123621
## 12671	65	4.774338	0.019294	0.057885
## 6886	904	12.684323	0.015183	0.186812
## 16227	30	23.834347	0.016129	0.106250

## 7710	103	4.299945	0.005724 0.175607
## 15102	41	16.036184	0.017509 0.136890
## 20194	73	7.076790	0.013213 0.129152
## 3599	112	1.665419	0.018841 0.086579
## 1585	110	3.829376	0.017953 0.143551
## 22089	256	5.539582	0.020779 0.131848
## 11968	110	3.799286	0.008675 0.114659
## 2625	25	5.264936	0.010396 0.088625
## 17677	25	6.626633	0.012515 0.069250
## 3211	133	5.983274	0.013556 0.115813
## 19941	27	23.368710	0.011633 0.115394
## 18604	442	13.906645	0.017132 0.194917
## 22231	172	15.260745	0.012083 0.206359
## 5911	44	17.633537	0.011138 0.085227
## 11286	44	2.227414	0.019777 0.105469
## 17704	45	16.293928	0.006892 0.120625
## 19713	48	6.299923	0.017679 0.089583
## 13678	46	2.532224	0.017968 0.124660
## 2834	87	8.049921	0.018336 0.110884
## 14816	167	5.895469	0.019798 0.174532
## 8450	25	40.662586	0.010119 0.087250
## 2566	57	10.887295	0.012249 0.126426
## 544	113	2.477639	0.016010 0.116759
## 11323	159	16.396925	0.020616 0.140704
## 8672	58	21.332344	0.024165 0.116756
## 1919	41	14.248528	0.017786 0.129040
## 8804	40	11.585951	0.014632 0.091094
## 13858	56	2.800019	0.023402 0.091071
## 14158	43	15.160779	0.023275 0.094840
## 6931	32	2.543880	0.009640 0.085840
## 11160	25	25.821873	0.017388 0.114625
## 5589	31	2.257529	0.013227 0.078931
## 11903	70	10.007924	0.011823 0.097813
## 9792	41	6.936533	0.015227 0.094893
## 14991	55	13.524954	0.001154 0.094886
## 4751	53	10.479167	0.016643 0.082606
## 19615	25	31.442514	0.014249 0.069000
## 21656	32	6.561763	0.012155 0.136133
## 19505	398	13.165434	0.009326 0.158700
## 22451	49	11.795648	0.013371 0.115561
## 21701	48	10.973392	0.017810 0.118294
## 9916	25	31.193636	0.019822 0.090625
## 12396	26	7.601435	0.015723 0.040505
## 4620	25	21.772991	0.012769 0.119125
## 10318	78	8.050965	0.018548 0.093710
## 5737	93	19.537651	0.019734 0.103663
## 11587	53	2.618666	0.015345 0.077123
## 13020	145	6.413838	0.018043 0.072284
## 12771	59	21.381050	0.022905 0.073782
## 17766	25	6.105861	0.016582 0.109625
## 17597	61	2.377203	0.008394 0.094672
## 19558	54	9.683250	0.017649 0.109491
## 14781	40	9.295717	0.012621 0.085703
## 13961	38	36.864674	0.021350 0.098191

## 21057	60	7.572608	0.018880 0.103281
## 3728	27	11.522492	0.005130 0.070949
## 16803	34	7.626871	0.016411 0.085110
## 17982	29	1.612261	0.010168 0.035776
## 15725	69	13.985845	0.014589 0.113134
## 21699	57	13.244922	0.018838 0.083169
## 15014	25	3.309637	0.007091 0.165125
## 13542	140	13.478020	0.025009 0.120982
## 3277	151	1.683386	0.016987 0.088183
## 18830	25	40.246807	0.015561 0.112250
## 11324	131	3.645963	0.018954 0.134375
## 20642	34	22.546299	0.019249 0.140441
## 8719	25	8.786809	0.007636 0.087750
## 16666	79	17.224865	0.017977 0.083703
## 14916	211	7.655983	0.014452 0.120246
## 11894	88	7.720626	0.014600 0.097053
## 6178	38	3.515399	0.015191 0.057566
## 9363	37	16.588959	0.018591 0.082770
## 7456	34	1.981778	0.006206 0.157813
## 16052	335	17.006514	0.016649 0.084739
## 20593	28	52.403873	0.019192 0.094420
## 12769	26	9.174732	0.014591 0.054207
## 16532	374	3.523049	0.015545 0.113344
## 21317	124	10.298153	0.012856 0.098992
## 6434	59	12.423237	0.021686 0.112235
## 5030	43	3.297456	0.005351 0.065480
## 9265	37	12.690032	0.019439 0.060642
## 2153	41	22.661434	0.021161 0.094207
## 663	70	1.191418	0.019241 0.096339
## 961	41	11.197773	0.014049 0.068216
## 9152	52	19.701115	0.015764 0.127825
## 12637	28	22.629257	0.013631 0.083594
## 5711	581	8.365563	0.014989 0.116620
## 16353	25	11.581063	0.014003 0.037625
## 19528	164	14.826687	0.019396 0.111280
## 17300	25	6.734597	0.008080 0.074375
## 19055	27	23.316408	0.015414 0.121528
## 17872	143	8.791466	0.019250 0.082627
## 4964	69	4.699409	0.018148 0.108062
## 13553	27	14.276631	0.009813 0.081250
## 5824	67	12.963336	0.021204 0.109701
## 10244	40	38.692726	0.010313 0.118437
## 10329	41	1.497944	0.018283 0.084527
## 8245	231	9.487947	0.015717 0.117735
## 6730	139	12.374448	0.014673 0.103350
## 1454	54	15.536002	0.017146 0.147049
## 371	25	13.448404	0.011567 0.095125
## 28	25	1.214568	0.011299 0.108875
## 19213	59	18.708780	0.019358 0.099047
## 10613	38	4.086491	0.018925 0.095477
## 4508	64	11.195367	0.011216 0.124658
## 9061	29	1.558350	0.013649 0.113793
## 21824	123	2.676392	0.017194 0.075508
## 12223	180	18.347372	0.017666 0.117760

## 12096	112	14.622374	0.020263	0.115402
## 519	64	5.918155	0.009457	0.083301
## 20071	25	37.778965	0.007662	0.089500
## 22154	100	11.014626	0.015882	0.115937
## 3370	31	7.134268	0.018160	0.091331
## 16144	246	6.151555	0.012401	0.091578
## 10446	25	30.629478	0.016980	0.198000
## 20644	101	17.704529	0.022572	0.115099
## 21305	26	11.977316	0.005124	0.115505
## 1012	71	7.438550	0.014904	0.148636
## 11890	25	16.104895	0.006956	0.106875
## 36	26	8.461758	0.017103	0.094832
## 19290	161	11.514455	0.014393	0.106347
## 1912	42	19.266146	0.018543	0.103348
## 16712	25	3.882745	0.006168	0.044125
## 18606	594	14.458141	0.016420	0.218003
## 21101	31	10.904316	0.016791	0.124093
## 6427	32	3.776067	0.016943	0.084570
## 20257	43	6.530926	0.009071	0.113372
## 2673	1281	2.218630	0.016618	0.092896
## 15284	59	2.287038	0.019124	0.131727
## 6082	693	6.875175	0.018514	0.110633
## 5081	25	31.267967	0.014971	0.103000
## 9880	47	18.294510	0.018277	0.162434
## 11078	347	6.930580	0.018590	0.119867
## 16792	44	4.446190	0.013444	0.074290
## 16764	29	6.520879	0.020844	0.048707
## 21676	33	13.320163	0.019138	0.131345
## 19254	116	16.728863	0.015710	0.139062
## 2707	49	3.150629	0.012563	0.227870
## 19905	58	20.094395	0.016369	0.082651
## 5076	149	7.379030	0.018978	0.063989
## 15132	44	4.848330	0.019933	0.107315
## 5063	25	11.945440	0.018976	0.122625
## 258	25	60.810028	0.016912	0.056625
## 16868	42	27.364241	0.019135	0.092708
## 2112	410	1.537534	0.013394	0.163529
## 2355	25	9.066552	0.018799	0.081375
## 5093	347	5.001537	0.018523	0.108528
## 8384	95	10.494818	0.017620	0.105033
## 13438	75	23.423643	0.008252	0.091042
## 597	27	7.855265	0.021051	0.060995
## 19797	57	9.640323	0.017400	0.110636
## 18300	50	3.756276	0.006305	0.104187
## 146	55	24.071587	0.014560	0.117216
## 878	224	5.438380	0.017407	0.123898
## 12916	25	5.931000	0.017216	0.100125
## 4839	25	18.616846	0.022327	0.075750
## 15715	52	16.958155	0.016619	0.104267
## 18553	1126	10.977370	0.016266	0.136659
## 16075	60	7.404490	0.015740	0.081979
## 7165	25	37.820477	0.007123	0.229250
## 21439	83	27.741554	0.010141	0.097892
## 16596	94	6.838365	0.019621	0.081915

## 16099	27	15.955764	0.026566	0.032986
## 5651	394	7.833813	0.014694	0.131345
## 17194	25	13.322885	0.011859	0.102875
## 8726	51	5.998192	0.002161	0.101042
## 5327	62	13.695765	0.018423	0.098387
## 14411	161	18.112423	0.018083	0.124243
## 19669	39	10.964849	0.015653	0.096314
## 1592	2770	2.822578	0.013112	0.150931
## 17578	58	18.441328	0.005994	0.088416
## 18140	25	15.769803	0.014985	0.038750
## 8350	43	8.282722	0.009116	0.061337
## 10853	29	2.799627	0.017536	0.073168
## 2071	92	5.595521	0.018811	0.058832
## 10674	26	32.420750	0.009410	0.078726
## 3388	95	1.096961	0.016758	0.125888
## 18854	117	10.177947	0.018168	0.131998
## 14167	56	11.089496	0.017574	0.061719
## 16369	45	0.892389	0.015002	0.117708
## 17367	81	7.419107	0.022646	0.142207
## 6546	36	11.103583	0.007947	0.052431
## 11464	26	4.923109	0.015529	0.127644
## 16665	106	11.978651	0.017511	0.098732
## 10361	201	23.027693	0.015669	0.120118
## 18499	26	7.473716	0.015586	0.103726
## 4151	59	3.312515	0.018177	0.104873
## 7279	131	12.492662	0.011988	0.121088
## 13363	31	25.794371	0.018071	0.101008
## 18037	27	2.049283	0.002770	0.044329
## 1145	451	4.154469	0.017371	0.135789
## 9432	115	8.997546	0.013335	0.093506
## 19007	25	21.022785	0.005864	0.067000
## 14700	175	6.844468	0.019666	0.063429
## 11097	946	7.164336	0.014961	0.138507
## 17114	42	18.156052	0.005713	0.122470
## 22245	42	7.683824	0.012589	0.095313
## 13702	94	3.655819	0.018153	0.136602
## 20388	613	8.581056	0.017612	0.154272
## 20110	29	13.986080	0.015323	0.111207
## 1535	736	3.099954	0.016783	0.094828
## 17891	75	9.177831	0.024101	0.100167
## 14446	41	40.119034	0.009545	0.101143
## 8560	54	2.259417	0.014425	0.104398
## 15337	73	10.034554	0.017451	0.076027
## 22073	62	8.137193	0.019411	0.136593
## 4672	35	11.407128	0.020321	0.085536
## 18745	28	45.339558	0.015800	0.104241
## 9966	27	38.761402	0.010698	0.132407
## 8129	38	19.075407	0.008867	0.104523
## 3614	45	16.655642	0.009603	0.086597
## 19436	59	19.143568	0.019110	0.102860
## 4812	36	21.075336	0.014385	0.086545
## 16908	54	3.442900	0.018303	0.080903
## 10628	37	16.389862	0.023377	0.072466
## 7514	84	5.184006	0.025259	0.091778

## 20422	393	13.418376	0.017530 0.173418
## 19061	25	15.411299	0.016107 0.109125
## 8868	104	7.344989	0.019177 0.093389
## 20078	25	20.896767	0.016453 0.077500
## 7422	77	9.800098	0.014231 0.123093
## 11502	102	5.163199	0.015804 0.080025
## 1849	64	15.927466	0.016727 0.098047
## 8699	46	9.642499	0.015087 0.146807
## 2634	129	9.133826	0.018217 0.101744
## 15758	39	7.239093	0.015686 0.096955
## 12890	84	8.161988	0.021591 0.092894
## 4800	48	1.524995	0.013591 0.083333
## 265	32	42.922737	0.025471 0.076074
## 7025	85	12.226451	0.014588 0.107279
## 10990	38	28.035841	0.014022 0.124095
## 5517	31	19.784264	0.027052 0.080040
## 15373	25	14.348441	0.009852 0.047500
## 2375	131	2.193998	0.021923 0.100596
## 15360	175	6.932847	0.014933 0.136679
## 4331	326	3.308639	0.017113 0.103940
## 2545	287	4.143865	0.016991 0.107393
## 16229	43	13.111250	0.015442 0.105887
## 2626	44	8.572513	0.019733 0.083665
## 6107	43	13.122635	0.013835 0.091933
## 7499	237	4.022173	0.013149 0.140243
## 9183	26	28.900408	0.015673 0.083173
## 17804	54	3.590116	0.011739 0.102604
## 6682	64	7.488677	0.015863 0.164502
## 20677	25	37.715832	0.005588 0.095625
## 974	79	6.821580	0.020516 0.105934
## 16672	58	25.414412	0.017252 0.082435
## 8814	25	7.218154	0.015681 0.068625
## 14439	75	11.141964	0.013794 0.111417
## 12518	165	13.968448	0.019494 0.062765
## 2555	258	7.351324	0.017115 0.060865
## 9841	60	6.620959	0.020196 0.098646
## 4587	65	10.524491	0.024303 0.064471
## 10081	782	7.843189	0.014432 0.139966
## 14519	112	12.576986	0.013501 0.139593
## 8674	99	6.708620	0.021564 0.147854
## 18308	38	8.478942	0.014707 0.103865
## 7800	51	7.106050	0.016082 0.083395
## 20061	73	26.513174	0.018912 0.078810
## 15641	102	6.001329	0.013616 0.082782
## 15379	256	5.370037	0.015873 0.088977
## 13711	41	15.423491	0.017391 0.120046
## 4723	25	29.477385	0.020489 0.039375
## 4956	29	16.672956	0.018237 0.061853
## 14109	76	9.512065	0.010048 0.156209
## 3800	30	8.304255	0.014805 0.100000
## 20741	341	11.300234	0.017817 0.130434
## 7914	25	32.133236	0.014268 0.096750
## 13886	27	13.673554	0.019708 0.071412
## 12400	36	21.139313	0.014404 0.075347

## 3782	174	4.844815	0.018402 0.124964
## 20039	60	6.180830	0.029083 0.090781
## 14068	25	38.259350	0.003279 0.038000
## 17820	25	18.296083	0.007232 0.180125
## 3843	69	3.669895	0.014041 0.118659
## 17280	25	35.100929	0.009395 0.083500
## 14724	78	7.688373	0.014027 0.100962
## 8790	25	2.139631	0.015164 0.048000
## 3574	220	1.922327	0.017608 0.095398
## 4452	55	20.588717	0.022098 0.081477
## 15848	179	4.577427	0.017581 0.110021
## 14619	335	11.788841	0.020889 0.070317
## 18880	123	6.258203	0.013036 0.099822
## 9372	52	13.479629	0.015023 0.105769
## 20527	31	12.261420	0.007961 0.106452
## 21284	148	17.112679	0.013789 0.189295
## 21178	608	5.549187	0.019181 0.157021
## 520	26	3.211473	0.011009 0.055649
## 5676	80	8.199980	0.020275 0.107500
## 5520	27	24.446226	0.010461 0.109491
## 4945	158	5.435333	0.019072 0.085661
## 270	37	12.835179	0.020259 0.077280
## 11620	32	3.845390	0.013521 0.122656
## 18720	67	16.542637	0.017842 0.103172
## 21356	38	2.931662	0.019419 0.134128
## 15310	33	2.243229	0.014450 0.058144
## 17652	44	6.350777	0.009172 0.093182
## 16115	56	25.967556	0.006050 0.238672
## 5486	38	21.706762	0.013514 0.128947
## 1790	55	12.371352	0.027384 0.088920
## 16329	27	5.574609	0.008793 0.217940
## 11971	42	0.787918	0.004345 0.210045
## 19629	32	20.362118	0.014288 0.065039
## 15403	65	12.836932	0.016322 0.125625
## 16519	150	7.214107	0.011465 0.134250
## 8921	3398	7.840631	0.015521 0.116497
## 6634	87	22.722223	0.018640 0.149785
## 6476	81	3.303646	0.022895 0.094213
## 7544	101	35.318172	0.009319 0.110458
## 3934	40	13.244850	0.019409 0.066562
## 17619	144	24.610760	0.015114 0.090321
## 9810	71	5.733690	0.016609 0.092166
## 8173	36	13.736933	0.011980 0.082292
## 21381	25	10.864513	0.018418 0.126125
## 12695	83	21.122940	0.018294 0.088328
## 20821	30	18.507437	0.017605 0.097188
## 20025	51	10.321968	0.019795 0.100551
## 12433	47	6.342556	0.015125 0.103191
## 8631	169	19.105476	0.018762 0.087426
## 7050	50	2.439435	0.012227 0.116250
## 8549	29	15.149210	0.022471 0.065194
## 3660	45	5.914357	0.014391 0.100208
## 14065	222	13.293509	0.017897 0.121411
## 15142	25	3.835204	0.008561 0.093375

## 13336	766	7.541223	0.014983 0.156017
## 20929	39	19.815039	0.008194 0.097917
## 14531	83	13.380585	0.015785 0.090399
## 537	30	3.432408	0.017139 0.064896
## 8680	29	16.586020	0.016895 0.121013
## 11387	25	6.286168	0.028953 0.104250
## 21136	104	9.977489	0.019352 0.117488
## 10129	25	25.921150	0.011362 0.067875
## 2910	62	2.517180	0.012606 0.120665
## 381	79	5.065773	0.004959 0.127215
## 13325	229	6.274302	0.016541 0.107437
## 20719	30	21.380405	0.011703 0.100417
## 9551	29	15.257806	0.009546 0.104741
## 22516	43	7.469033	0.021267 0.118605
## 15940	587	13.847276	0.013982 0.106841
## 6995	49	13.490456	0.024618 0.102679
## 22517	39	5.570606	0.024212 0.109936
## 3472	52	6.284739	0.017424 0.120493
## 18202	40	6.542053	0.003877 0.110547
## 14911	25	12.585031	0.011337 0.102625
## 1687	818	2.314029	0.015413 0.128603
## 4471	34	3.607216	0.016070 0.123713
## 17130	209	9.089164	0.013116 0.087351
## 272	26	17.010231	0.017196 0.078966
## 12191	27	5.876208	0.008693 0.124190
## 10345	78	2.029135	0.015216 0.091987
## 8284	29	2.905992	0.014506 0.113793
## 3151	111	2.409325	0.019940 0.095270
## 3140	32	9.526155	0.012384 0.167969
## 6547	63	1.906313	0.010267 0.076637
## 15422	91	13.880609	0.013292 0.092067
## 9942	201	26.151201	0.014141 0.145989
## 17327	27	4.630496	0.030034 0.065394
## 15489	62	40.426548	0.016642 0.081653
## 19101	123	2.741839	0.016952 0.122713
## 19486	91	21.592567	0.021745 0.130391
## 20909	158	20.428511	0.014297 0.119521
## 5083	109	16.383791	0.017700 0.078641
## 18066	105	9.999144	0.026310 0.099137
## 16989	36	7.282719	0.017893 0.053385
## 77	37	11.307561	0.009474 0.068074
## 9803	28	33.615562	0.014898 0.098772
## 12211	25	34.473282	0.010273 0.103500
## 1319	25	14.296925	0.019251 0.112000
## 17020	25	27.269453	0.013213 0.094750
## 1825	37	7.643058	0.018572 0.103801
## 20725	100	12.378606	0.014148 0.120375
## 16406	25	19.110758	0.019577 0.064625
## 5432	74	32.201820	0.014781 0.102280
## 9093	51	17.749660	0.018261 0.119485
## 16970	36	7.186452	0.004981 0.088021
## 14689	97	4.599055	0.024047 0.086082
## 15776	25	8.894884	0.015058 0.081375
## 2386	101	1.773152	0.017381 0.119833

## 12081	149	7.545300	0.018138 0.113926
## 2753	66	6.722691	0.024065 0.091572
## 8821	43	6.915905	0.018066 0.070422
## 7399	233	12.868138	0.010804 0.142811
## 3243	156	5.240268	0.010961 0.172276
## 20995	101	18.180408	0.021573 0.115965
## 13726	51	18.680092	0.018336 0.129044
## 8510	29	7.307163	0.012216 0.051616
## 21336	25	37.715054	0.018664 0.083000
## 15562	32	15.450797	0.015304 0.087402
## 14034	436	15.692127	0.015862 0.096151
## 16191	87	3.375630	0.018661 0.090769
## 4463	30	8.293540	0.015384 0.123125
## 9526	25	23.244314	0.020380 0.111750
## 14866	36	15.661465	0.014221 0.104514
## 17588	56	18.732332	0.012404 0.085212
## 18438	404	8.555801	0.016508 0.136433
## 18905	60	17.468065	0.015815 0.102917
## 1899	698	2.487196	0.018983 0.102315
## 13118	123	7.001114	0.018802 0.098145
## 3583	155	1.947579	0.016519 0.111613
## 10026	25	36.756832	0.016909 0.118500
## 1680	512	2.780425	0.015676 0.103436
## 16126	26	9.544115	0.020755 0.097596
## 7141	404	14.973413	0.018254 0.158354
## 4351	248	3.182386	0.016241 0.117918
## 21126	60	6.662683	0.019345 0.119427
## 22211	609	16.606634	0.014494 0.181358
## 16523	42	29.249338	0.016605 0.108333
## 13569	67	33.515900	0.022036 0.083489
## 20153	32	29.722944	0.018330 0.095605
## 3059	62	4.955794	0.017911 0.065121
## 12097	49	14.118815	0.019126 0.110204
## 2893	106	10.494127	0.017188 0.116185
## 16840	35	9.719637	0.023085 0.030893
## 13259	566	7.028254	0.015751 0.130344
## 5187	45	0.796127	0.021521 0.110069
## 10974	56	18.551655	0.015346 0.122656
## 16263	37	13.832811	0.018005 0.077703
## 18562	664	12.322967	0.016146 0.168858
## 15856	30	47.129787	0.004254 0.094479
## 14586	151	28.197586	0.012988 0.105898
## 2043	56	4.793345	0.016791 0.097656
## 137	40	19.272583	0.012107 0.219687
## 2756	111	2.408442	0.017259 0.115935
## 1670	136	3.906246	0.013225 0.113212
## 15543	69	8.119377	0.027504 0.085190
## 22478	42	6.725489	0.024931 0.083333
## 12491	59	3.755850	0.023866 0.052013
## 11090	794	7.818604	0.012994 0.145234
## 21547	145	34.113323	0.012374 0.117155
## 13712	36	11.104893	0.014210 0.135590
## 22306	25	4.596104	0.021799 0.092875
## 17965	25	6.051990	0.008239 0.075500

## 5952	47	4.951350	0.010587 0.109574
## 6761	196	6.286880	0.020257 0.078460
## 3661	61	4.783895	0.017572 0.102408
## 1743	74	1.638999	0.020006 0.090794
## 12739	40	19.151457	0.015867 0.089844
## 22030	57	12.259559	0.016033 0.111184
## 6127	25	12.324716	0.012882 0.088000
## 4038	28	1.470678	0.016000 0.070313
## 94	25	12.047890	0.012832 0.079750
## 17254	67	26.734360	0.016686 0.094496
## 19156	67	13.024277	0.017646 0.152192
## 9131	212	7.356927	0.020324 0.155705
## 17246	40	38.658348	0.003552 0.101406
## 9544	193	16.110243	0.014926 0.108209
## 3010	86	13.203323	0.016944 0.095349
## 16578	34	10.691682	0.011607 0.082537
## 11809	25	14.367307	0.013826 0.145125
## 9487	47	13.040693	0.016674 0.104987
## 4777	25	18.561031	0.021247 0.099625
## 16206	100	6.392369	0.015896 0.082219
## 13738	56	2.852412	0.019066 0.114844
## 20002	160	9.239958	0.020794 0.133320
## 11127	1164	5.261599	0.016677 0.151254
## 7747	46	11.930681	0.018225 0.095177
## 5555	25	26.326256	0.016624 0.115875
## 1843	45	18.433146	0.018268 0.073750
## 3045	44	11.001436	0.010916 0.117330
## 3367	44	17.567867	0.014544 0.111435
## 4759	63	5.068414	0.011349 0.112401
## 8813	36	5.117223	0.013237 0.077431
## 5014	65	9.560158	0.022621 0.080192
## 8157	31	4.992735	0.004193 0.116028
## 17902	954	9.748509	0.018595 0.133179
## 7342	106	10.467853	0.014525 0.114475
## 13473	47	18.179653	0.020690 0.107912
## 1965	322	10.130483	0.020186 0.088878
## 21282	108	7.417046	0.009236 0.116348
## 10590	34	10.675419	0.026084 0.067096
## 14850	196	4.921261	0.015335 0.136193
## 21869	25	10.913766	0.022440 0.082125
## 17798	71	5.071012	0.006872 0.211664
## 11012	29	8.575721	0.015402 0.184375
## 2642	114	1.927267	0.024337 0.072752
## 15703	50	15.759658	0.020922 0.086188
## 15042	34	7.244156	0.007003 0.093566
## 14766	33	4.632027	0.020700 0.084470
## 19435	66	11.040244	0.016852 0.124953
## 7290	25	24.669436	0.012949 0.137875
## 11241	114	13.542909	0.025888 0.103865
## 2021	63	7.841424	0.019506 0.081746
## 20114	67	16.781775	0.014551 0.140159
## 9008	141	7.570388	0.025062 0.094925
## 4281	84	9.135116	0.017024 0.099070
## 14018	28	35.741035	0.009593 0.109263

## 2887	178	7.967835	0.015550 0.135376
## 6843	27	9.013459	0.005357 0.044792
## 14295	96	18.861778	0.019795 0.091178
## 11	26	25.950470	0.012698 0.122115
## 15948	41	8.748718	0.014287 0.067607
## 16708	34	4.541101	0.019529 0.079320
## 21560	60	14.500533	0.010832 0.069479
## 3467	50	9.180519	0.019419 0.098812
## 2500	225	13.841768	0.018351 0.116056
## 14232	25	24.934563	0.007027 0.082500
## 14019	41	38.264751	0.010365 0.086662
## 15840	30	10.033677	0.007779 0.099063
## 16990	40	11.910941	0.017888 0.060078
## 8320	33	8.691344	0.016347 0.087879
## 19067	36	11.614258	0.018107 0.125174
## 4673	46	28.389057	0.017084 0.126427
## 17381	30	8.950690	0.008424 0.059271
## 5678	98	17.166861	0.019574 0.109503
## 19175	34	23.532492	0.017974 0.141360
## 1445	71	8.933010	0.018725 0.111268
## 22097	27	21.827217	0.015250 0.095139
## 4611	227	3.512451	0.011040 0.118654
## 10300	25	4.630144	0.014717 0.064375
## 11633	104	16.287104	0.017194 0.127314
## 4001	81	3.985845	0.013953 0.125039
## 10551	54	7.196261	0.017789 0.063889
## 13665	65	28.550941	0.019158 0.089615
## 10690	33	7.072916	0.012939 0.103977
## 21984	37	5.813068	0.027851 0.152618
## 6272	93	7.296814	0.023641 0.094153
## 21848	28	18.009733	0.023338 0.109152
## 4250	33	5.942522	0.019099 0.075474
## 20724	49	22.742050	0.011029 0.104719
## 15770	107	4.016698	0.015178 0.107214
## 21721	81	11.155918	0.013398 0.097029
## 3335	44	7.023263	0.013094 0.113423
## 2782	101	15.565530	0.010178 0.082426
## 8022	25	22.512871	0.018171 0.130250
## 3085	39	1.696561	0.015286 0.107853
## 9804	25	42.536449	0.015504 0.083875
## 11775	27	10.210058	0.010178 0.085880
## 6581	38	3.448956	0.012257 0.062993
## 3138	25	18.801739	0.016523 0.128375
## 3540	64	10.960620	0.016979 0.090430
## 755	25	3.618201	0.013923 0.126250
## 6993	48	4.466693	0.021976 0.122982
## 16810	91	20.736963	0.021316 0.077679
## 15849	30	7.453125	0.007518 0.086250
## 7190	33	3.965098	0.018646 0.106439
## 15466	29	17.576937	0.006614 0.140409
## 185	63	1.759133	0.009502 0.071776
## 17960	59	5.488081	0.015999 0.129025
## 1730	483	1.880923	0.019486 0.103351
## 7792	73	7.991378	0.011170 0.130565

## 14703	40	11.858013	0.018275 0.052109
## 19536	89	15.270145	0.017337 0.182198
## 3094	301	4.617105	0.015212 0.112874
## 4115	43	8.694687	0.024282 0.079506
## 16979	79	16.756277	0.019735 0.088291
## 13530	76	2.496211	0.009616 0.066447
## 7236	41	19.860519	0.005902 0.098171
## 8422	43	3.548168	0.011458 0.090044
## 19338	33	17.189520	0.002942 0.082860
## 21774	25	34.277378	0.011870 0.159750
## 9617	29	3.568243	0.016537 0.121013
## 3401	101	1.431950	0.010368 0.087036
## 10597	121	1.611413	0.026375 0.085537
## 12905	25	15.250474	0.022059 0.061875
## 13969	189	13.980216	0.020805 0.131779
## 11060	28	29.185030	0.018967 0.120201
## 22147	88	5.441954	0.011251 0.090412
## 3541	62	2.871123	0.018238 0.087198
## 5427	97	21.257019	0.013978 0.133892
## 18146	40	9.043756	0.010916 0.071484
## 11317	44	27.724648	0.018781 0.059943
## 4214	135	1.585248	0.015671 0.081551
## 17649	25	5.537339	0.004565 0.080750
## 21428	398	11.886730	0.009477 0.158488
## 9569	33	17.297678	0.015032 0.122917
## 14480	150	8.106140	0.017799 0.101896
## 8907	31	17.275042	0.014469 0.144758
## 1804	25	12.031816	0.015368 0.116250
## 8240	163	18.315435	0.015897 0.140203
## 13393	48	7.415154	0.020076 0.124935
## 209	51	13.290172	0.014579 0.108640
## 8909	88	16.769991	0.017537 0.137038
## 3121	25	20.760933	0.009438 0.078750
## 1443	66	6.736775	0.016183 0.113826
## 2780	119	13.147897	0.015882 0.128939
## 112	25	5.977610	0.014282 0.062625
## 6473	34	12.522871	0.021842 0.135846
## 22421	28	14.966933	0.020633 0.102344
## 10254	25	29.593805	0.014788 0.129500
## 18280	589	5.121784	0.015597 0.129335
## 9374	57	17.704287	0.020680 0.096272
## 7679	25	13.572614	0.018740 0.151625
## 12276	33	6.823326	0.019157 0.078125
## 742	43	18.006422	0.016394 0.075799
## 18288	1423	6.236143	0.019356 0.115353
## 2878	238	5.523042	0.016833 0.128637
## 15113	25	19.420193	0.009056 0.101750
## 16642	149	4.561469	0.016123 0.096959
## 13802	66	10.882120	0.014730 0.093324
## 14212	67	25.748997	0.019086 0.093284
## 18292	349	15.403152	0.019876 0.104907
## 11402	93	20.548607	0.014085 0.069657
## 7108	236	3.579341	0.009223 0.160765
## 8348	25	13.090320	0.011721 0.083750

## 9176	37	18.199789	0.014498 0.101943
## 17266	35	19.989738	0.022412 0.074375
## 4911	64	7.228231	0.013022 0.080908
## 13279	68	22.742956	0.013798 0.155699
## 13164	29	1.500520	0.014008 0.127478
## 5406	1057	13.138035	0.015231 0.102280
## 7813	25	27.228149	0.009182 0.112875
## 11834	36	3.638859	0.006142 0.101910
## 20487	401	6.759130	0.016020 0.129684
## 7818	25	9.766407	0.010001 0.085250
## 19150	49	9.006171	0.015553 0.105421
## 10250	45	29.430092	0.024045 0.041667
## 12675	49	9.812294	0.017627 0.043304
## 8643	38	16.597500	0.011205 0.119079
## 1747	121	7.868749	0.018748 0.085124
## 7790	36	2.824046	0.013710 0.095486
## 16691	30	10.627494	0.018669 0.098542
## 15660	51	13.089192	0.015560 0.096385
## 16193	74	8.305728	0.008686 0.242272
## 14926	29	24.835388	0.017609 0.159591
## 13040	25	17.046230	0.018149 0.050625
## 11243	25	40.580612	0.016054 0.129875
## 20343	535	7.642594	0.018445 0.145339
## 8637	101	14.007461	0.018212 0.115965
## 21242	35	25.077089	0.016491 0.096875
## 7133	906	12.544948	0.015741 0.166180
## 4605	88	11.625071	0.016298 0.086364
## 18806	1227	7.889727	0.013235 0.133891
## 7337	62	2.999814	0.006530 0.100958
## 6115	63	15.417964	0.013054 0.059325
## 6543	27	3.608884	0.004998 0.068866
## 21363	104	10.059729	0.021172 0.096695
## 21746	76	7.448520	0.007148 0.084211
## 21067	104	10.000148	0.020410 0.120102
## 18124	348	6.801181	0.018118 0.124973
## 12166	29	31.024059	0.018402 0.119181
## 13510	223	12.853307	0.012746 0.092082
## 7581	1696	6.712977	0.019345 0.137788
## 16228	25	3.213436	0.015570 0.092000
## 22437	175	2.648469	0.016438 0.152607
## 259	72	5.183003	0.020866 0.078950
## 6302	377	7.176077	0.016180 0.109673
## 9602	31	8.169685	0.016309 0.087702
## 20229	86	8.780413	0.009997 0.150908
## 10421	100	4.993680	0.014398 0.101531
## 4382	25	13.985809	0.007800 0.070750
## 16083	65	9.394773	0.016874 0.102115
## 2628	214	2.372576	0.017822 0.074460
## 8539	25	5.918176	0.009252 0.076875
## 6037	533	8.290482	0.018746 0.120913
## 2185	146	6.046259	0.013623 0.135060
## 18622	308	6.596581	0.015715 0.157386
## 21741	86	4.040151	0.012644 0.101344
## 18045	43	7.055106	0.008969 0.196148

## 10433	38	14.204750	0.012547 0.107484
## 11794	94	10.003408	0.006732 0.096410
## 10062	660	8.017341	0.019080 0.140104
## 11233	26	28.634975	0.013779 0.076322
## 16545	33	22.851229	0.017013 0.037027
## 5043	64	7.445965	0.018699 0.093994
## 4886	37	14.153732	0.018050 0.058446
## 78	69	5.871524	0.008710 0.081205
## 2650	63	11.154498	0.019464 0.113889
## 4203	94	1.486865	0.017061 0.093052
## 2132	217	3.572973	0.016993 0.105112
## 616	38	6.183917	0.025593 0.056661
## 21222	25	26.049505	0.016362 0.148000
## 4838	91	11.832390	0.020414 0.073214
## 15963	25	10.846967	0.003732 0.106250
## 18048	28	15.185060	0.013042 0.142634
## 4034	145	2.528350	0.018887 0.087284
## 1376	27	24.057146	0.016602 0.109259
## 967	43	11.261044	0.020283 0.092442
## 4598	60	8.529773	0.017501 0.083177
## 179	124	3.448312	0.020830 0.082535
## 12741	25	34.741920	0.010965 0.068625
## 21780	73	10.216685	0.012198 0.139940
## 10643	73	18.565111	0.018727 0.082620
## 15071	39	2.549086	0.023261 0.127805
## 7388	247	13.124170	0.018611 0.211197
## 10447	31	18.528517	0.009245 0.098488
## 20869	41	17.139395	0.018190 0.139634
## 1653	436	4.441999	0.012839 0.128354
## 17761	25	20.107471	0.010751 0.119750
## 6456	41	2.608855	0.010946 0.113110
## 12914	33	1.127534	0.017756 0.106345
## 6967	59	5.842994	0.012192 0.100000
## 17519	30	32.428360	0.017830 0.064896
## 22308	66	4.326644	0.024843 0.072349
## 19285	30	18.763285	0.016442 0.069063
## 19005	39	19.201799	0.007135 0.089263
## 1277	43	7.747765	0.015908 0.122965
## 355	42	8.405926	0.017535 0.069494
## 22132	35	7.138783	0.015039 0.110000
## 13768	123	6.261079	0.020344 0.094614
## 15853	25	21.738008	0.013578 0.098625
## 3399	25	16.807619	0.016480 0.087625
## 14790	27	6.988180	0.017611 0.107870
## 12803	61	13.150616	0.017915 0.079969
## 1037	68	2.473209	0.016454 0.152068
## 11676	39	16.488283	0.015459 0.110176
## 2603	33	10.012919	0.015746 0.139015
## 2905	298	2.335031	0.012445 0.136011
## 20608	50	11.851499	0.022240 0.103000
## 15307	150	6.283383	0.016108 0.068375
## 20284	380	7.063066	0.016150 0.121941
## 5433	94	18.711906	0.016361 0.114428
## 15190	25	1.379703	0.012151 0.129875

## 3840	429	3.768937	0.018734 0.094471
## 4568	25	23.570145	0.015023 0.149125
## 5452	124	4.906880	0.013903 0.078478
## 7541	32	21.151857	0.006548 0.082129
## 9560	100	22.197641	0.015261 0.094156
## 6030	1183	5.752176	0.020556 0.158212
## 7407	25	21.268764	0.013420 0.065750
## 9669	38	2.872186	0.019302 0.134539
## 5422	26	27.487749	0.009784 0.117067
## 18369	25	5.763885	0.016220 0.114875
## 15966	48	8.398952	0.018178 0.110872
## 2211	25	34.585602	0.010493 0.082500
## 13714	44	13.685935	0.020711 0.094673
## 14988	61	12.426267	0.018803 0.141342
## 16570	25	3.837827	0.013836 0.071625
## 17599	100	23.709217	0.016518 0.114563
## 16362	29	11.296679	0.016027 0.050862
## 20951	31	14.229068	0.014855 0.117440
## 10725	49	19.481255	0.015519 0.120791
## 15606	45	35.047638	0.014078 0.079653
## 2448	71	8.820716	0.019742 0.094322
## 21324	123	6.622662	0.017878 0.097180
## 22092	154	16.791847	0.016371 0.138109
## 876	90	1.857588	0.016723 0.102500
## 10908	32	17.370026	0.000075 0.059961
## 13275	300	8.548594	0.017017 0.118229
## 16211	70	4.260034	0.014407 0.089286
## 12208	783	4.981637	0.019616 0.124553
## 20834	31	2.160354	0.019483 0.074899
## 458	47	4.466986	0.013241 0.153790
## 774	29	3.357183	0.015517 0.118966
## 13713	38	21.053299	0.010915 0.124260
## 3412	299	3.123168	0.019042 0.111549
## 2898	192	1.989955	0.013625 0.118359
## 1441	134	19.545950	0.018864 0.116908
## 21939	901	7.795156	0.014498 0.123134
## 3383	44	10.973113	0.015060 0.089418
## 16333	39	6.292174	0.028398 0.129407
## 22031	52	11.062124	0.018360 0.112740
## 5537	47	29.574177	0.022494 0.103058
## 13335	839	7.746454	0.014314 0.159278
## 206	42	4.174506	0.011510 0.154092
## 17470	75	28.308262	0.031836 0.081333
## 21776	625	7.107010	0.011225 0.156940
## 16274	60	1.986874	0.015474 0.070104
## 610	207	12.322880	0.017188 0.112968
## 15049	25	1.411419	0.021809 0.056000
## 5237	179	7.407422	0.024911 0.080534
## 9548	62	15.970605	0.012428 0.108720
## 1295	25	6.302364	0.014862 0.069000
## 19630	25	36.312218	0.013311 0.133625
## 18042	122	3.345208	0.009967 0.136117
## 19771	25	37.580254	0.016381 0.077000
## 8517	144	10.750647	0.019768 0.103516

## 17244	27	27.360548	0.016061 0.105324
## 2888	231	3.520732	0.017565 0.116653
## 13241	138	15.449203	0.014573 0.117754
## 22285	65	5.085054	0.017407 0.115288
## 20447	39	16.781639	0.014997 0.094712
## 623	25	13.290542	0.020969 0.054875
## 2408	79	6.582254	0.016523 0.142049
## 22439	25	27.738464	0.017948 0.117375
## 19356	26	23.144421	0.020027 0.084375
## 750	45	10.441436	0.017475 0.105694
## 233	74	8.193121	0.023614 0.110600
## 16943	85	14.556328	0.013732 0.088897
## 18322	36	3.360497	0.018450 0.030903
## 4597	37	4.412778	0.023497 0.053125
## 14234	26	27.983982	0.015281 0.069952
## 19734	25	32.185677	0.016563 0.107000
## 17457	25	20.057737	0.014389 0.114750
## 5115	341	6.952570	0.014037 0.141294
## 6901	139	6.981351	0.014361 0.075562
## 2768	154	3.622703	0.016978 0.115463
## 5146	81	6.858030	0.016380 0.110147
## 3719	560	3.657134	0.017755 0.101814
## 9117	25	36.603615	0.017244 0.095125
## 6698	110	6.594213	0.016824 0.115341
## 13708	25	24.858242	0.011118 0.160625
## 17940	142	7.495616	0.014674 0.122645
## 10285	25	13.252146	0.005617 0.069750
## 5899	864	7.326071	0.016528 0.141121
## 21252	95	23.911840	0.009125 0.116283
## 14371	32	16.837355	0.016142 0.136621
## 19480	25	40.963444	0.018662 0.107500
## 6902	27	39.763786	0.003917 0.065509
## 6357	54	7.245521	0.007685 0.080150
## 11940	43	8.247214	0.013167 0.093169
## 11515	75	4.189016	0.022062 0.066000
## 2006	101	14.876176	0.014255 0.144678
## 7836	81	9.050871	0.008211 0.072647
## 56	28	6.136594	0.016787 0.123772
## 989	424	3.808948	0.017300 0.096602
## 15673	43	6.305981	0.018570 0.104142
## 6795	39	12.340397	0.012291 0.072917
## 6494	1535	7.358796	0.016217 0.125100
## 6450	55	23.182405	0.015357 0.099091
## 13857	34	17.188757	0.018660 0.115625
## 17823	41	25.165998	0.015917 0.117531
## 168	124	6.092219	0.015695 0.104259
## 21406	25	21.228439	0.016601 0.117875
## 10611	180	19.384506	0.024750 0.069375
## 15121	26	18.945541	0.018552 0.025000
## 16010	26	10.441515	0.004133 0.038702
## 16174	25	13.849171	0.013118 0.063000
## 10916	25	9.685962	0.013946 0.096875
## 18674	37	12.772078	0.017994 0.065034
## 636	81	15.215216	0.015492 0.119522

## 7186	110	6.622703	0.021075	0.126364
## 820	178	2.672717	0.015849	0.109796
## 3422	189	3.296693	0.015720	0.088509
## 8559	110	5.180353	0.013195	0.097500
## 4807	28	22.448561	0.015135	0.061496
## 4397	26	33.578312	0.009050	0.258173
## 5977	112	3.851552	0.018041	0.082840
## 13867	25	3.674865	0.018440	0.073125
## 6946	37	13.680502	0.014401	0.060557
## 18382	25	4.740076	0.011095	0.056500
## 10995	148	7.155974	0.014662	0.169637
## 12557	150	7.138359	0.015212	0.095125
## 14841	32	11.197206	0.019190	0.159863
## 18131	37	9.874749	0.020915	0.061571
## 15862	37	18.455933	0.012371	0.087247
## 15569	576	19.375874	0.016948	0.112885
## 5931	38	14.615594	0.016103	0.101234
## 11516	38	13.120439	0.018038	0.182648
## 22022	424	15.561754	0.017031	0.120725
## 5275	54	7.971874	0.001804	0.035243
## 9533	27	14.864515	0.020750	0.099190
## 22351	66	6.064835	0.024273	0.080019
## 12588	50	9.688140	0.021478	0.051250
## 1168	38	9.078769	0.010734	0.136678
## 418	25	6.789260	0.005995	0.059125
## 9983	64	6.590491	0.008344	0.059814
## 18844	25	12.139936	0.017797	0.140000
## 21938	814	5.980298	0.016292	0.116846
## 11033	35	5.852579	0.018257	0.094196
## 20806	123	6.156987	0.015295	0.100432
## 3148	66	6.705719	0.016754	0.117472
## 1045	970	2.537250	0.016443	0.127007
## 1961	116	6.549893	0.014536	0.073922
## 17176	25	5.335847	0.017759	0.097375
## 5572	25	6.636216	0.016546	0.120375
## 17620	88	15.473609	0.008117	0.109588
## 1303	58	10.431057	0.021878	0.086584
## 7426	131	5.232728	0.010264	0.120420
## 19625	27	28.758024	0.014862	0.107639
## 13635	43	13.989936	0.019315	0.125872
## 4934	46	11.375648	0.015527	0.078397
## 4835	96	16.256529	0.011353	0.077116
## 4970	73	5.777084	0.008755	0.054324
## 6045	853	7.812154	0.018973	0.134210
## 5047	57	15.091874	0.014703	0.081250
## 11565	25	20.828091	0.016221	0.096625
## 18516	70	8.612032	0.013393	0.089241
## 4818	25	12.060317	0.018362	0.054375
## 12072	25	27.816956	0.014127	0.069250
## 5228	213	16.088940	0.014962	0.127406
## 328	34	23.217630	0.019994	0.122243
## 62	36	12.209927	0.011127	0.098785
## 6711	52	11.723749	0.014429	0.087260
## 12657	25	11.025167	0.017675	0.098250

## 4171	25	29.124451	0.015344	0.122500
## 21030	73	26.751459	0.020168	0.081550
## 11827	28	3.215172	0.004537	0.083147
## 15033	25	19.192688	0.018601	0.128375
## 21966	27	26.432360	0.025003	0.109491
## 12017	260	4.485061	0.010609	0.117584
## 9821	37	12.740688	0.020303	0.098902
## 15613	347	5.075736	0.018482	0.107394
## 18852	25	12.600273	0.007252	0.106250
## 11912	59	5.332280	0.006206	0.238189
## 799	25	11.925052	0.019294	0.098000
## 8727	34	5.780048	0.007330	0.093842
## 20126	34	23.250233	0.014256	0.121324
## 22100	289	16.275331	0.016277	0.140106
## 20615	25	26.871431	0.015900	0.089750
## 12082	83	12.643121	0.017513	0.100753
## 9765	117	9.728523	0.009964	0.093429
## 2976	134	6.477727	0.012699	0.125303
## 12107	892	12.171055	0.020300	0.082550
## 20517	47	27.376125	0.009565	0.162035
## 19794	59	19.024454	0.016131	0.110805
## 9857	47	13.096406	0.024964	0.099335
## 19650	25	35.934895	0.007432	0.090500
## 13224	124	5.837804	0.019843	0.156679
## 3228	644	3.708494	0.018143	0.106891
## 9771	52	8.625982	0.009259	0.188041
## 15479	131	8.535107	0.017009	0.157419
## 3252	398	4.475465	0.019409	0.099309
## 22	25	15.846204	0.002406	0.160625
## 6900	568	7.291114	0.016159	0.122667
## 3099	101	8.870890	0.017868	0.098577
## 1565	25	11.390249	0.014611	0.118125
## 8723	25	4.226716	0.012566	0.065750
## 11274	57	13.401767	0.019572	0.132785
## 17297	77	6.198598	0.006911	0.076867
## 7905	236	4.256812	0.014151	0.087262
## 18820	44	24.474464	0.013809	0.102060
## 14863	28	10.921893	0.014901	0.087054
## 8658	117	12.993343	0.015586	0.122997
## 16063	30	11.669733	0.011391	0.069063
## 22398	25	7.013928	0.008027	0.149250
## 13240	28	32.991364	0.013190	0.084487
## 20195	218	23.997169	0.016208	0.150387
## 7850	29	28.830450	0.012361	0.102694
## 16951	58	12.783230	0.018238	0.140302
## 21035	33	19.860304	0.007891	0.099905
## 12817	120	4.943130	0.015023	0.095964
## 5804	41	16.049206	0.021112	0.155716
## 22473	28	8.745206	0.009760	0.100558
## 2607	84	0.994985	0.022965	0.089397
## 22117	168	13.138073	0.015089	0.119289
## 21760	3432	5.408889	0.012998	0.099680
## 9778	41	3.231453	0.011147	0.109909
## 10217	164	12.219061	0.019095	0.058937

## 10010	522	8.201148	0.017515 0.165697
## 5309	93	7.130119	0.023409 0.104435
## 6985	69	12.286786	0.011822 0.084058
## 7713	40	28.045246	0.023743 0.136641
## 4137	64	4.512213	0.018442 0.108838
## 19298	136	4.804404	0.018934 0.086857
## 12389	43	8.020247	0.019222 0.066642
## 764	30	1.829741	0.022381 0.075729
## 19764	27	14.324486	0.004638 0.076273
## 21750	87	7.435578	0.012399 0.109734
## 4174	52	6.580071	0.013297 0.116286
## 17899	25	26.678143	0.012821 0.188375
## 6395	25	27.020124	0.016814 0.095750
## 13692	48	8.162547	0.017103 0.118099
## 16533	298	5.400164	0.011687 0.114492
## 10147	177	21.245987	0.019128 0.095357
## 9080	38	22.495560	0.019846 0.108306
## 4337	301	4.173886	0.017258 0.112936
## 11875	25	5.872465	0.011081 0.061375
## 17206	74	6.346864	0.009140 0.106039
## 2620	55	1.841219	0.019373 0.084716
## 6122	129	4.790298	0.012535 0.114075
## 4865	25	25.344500	0.016734 0.097875
## 9757	25	34.694584	0.006345 0.078125
## 14864	79	2.090293	0.014657 0.115823
## 4211	48	3.005000	0.013243 0.088737
## 14691	237	3.094844	0.023599 0.066574
## 4560	82	13.095653	0.013010 0.080945
## 7702	401	13.615177	0.012927 0.194701
## 19077	33	4.167887	0.017970 0.107765
## 1196	27	8.287575	0.021817 0.080787
## 1839	106	9.203883	0.023420 0.082459
## 6252	25	6.346284	0.019534 0.101375
## 9129	25	3.152055	0.015858 0.106375
## 22041	75	18.839882	0.019169 0.130583
## 1006	59	10.553161	0.013257 0.164407
## 1887	203	3.803062	0.020419 0.094135
## 18136	39	15.896619	0.025277 0.092788
## 11991	27	5.656518	0.013065 0.161921
## 884	110	2.445423	0.019746 0.110597
## 19591	27	11.978367	0.016543 0.052431
## 5868	1265	11.941892	0.019643 0.127063
## 22038	25	40.936459	0.018227 0.102625
## 885	95	11.082088	0.019861 0.099638
## 3451	25	16.337191	0.019952 0.076375
## 13308	27	5.072584	0.012065 0.110764
## 19068	38	22.395737	0.019313 0.148602
## 8926	40	21.256069	0.019343 0.116250
## 12467	47	5.811625	0.018358 0.054721
## 21182	104	12.974539	0.022179 0.094922
## 4025	134	4.581741	0.019561 0.086264
## 17466	60	30.534157	0.016798 0.107396
## 5924	51	10.510361	0.014645 0.117586
## 9479	28	5.226650	0.023808 0.086049

## 1693	180	2.868313	0.014640 0.134809
## 6758	88	16.871244	0.014785 0.137322
## 19267	113	18.857836	0.018567 0.106112
## 12136	25	32.580860	0.011947 0.070875
## 9465	85	20.620272	0.022438 0.109632
## 2379	178	11.708961	0.016562 0.084147
## 2568	109	6.998159	0.009914 0.180734
## 2286	38	12.680077	0.021428 0.052714
## 3852	232	2.590632	0.017347 0.078017
## 7751	44	7.518471	0.015776 0.092898
## 1205	100	11.596156	0.018922 0.125969
## 10496	32	11.686013	0.019307 0.054004
## 11428	33	1.991510	0.013653 0.084659
## 17145	132	9.016097	0.014675 0.121567
## 21147	28	12.919626	0.019090 0.126005
## 19542	32	2.837638	0.017981 0.117905
## 16378	95	9.391476	0.014605 0.107204
## 6704	68	7.841403	0.024044 0.093199
## 17621	118	13.056168	0.011659 0.103972
## 1252	66	6.796400	0.018164 0.093324
## 2919	82	19.966209	0.013257 0.124733
## 20485	234	13.062475	0.016406 0.148825
## 15739	258	5.110589	0.008574 0.110707
## 10044	1167	7.631139	0.016722 0.134383
## 9263	33	19.680729	0.006339 0.079356
## 16310	126	6.624919	0.018404 0.097917
## 17787	77	10.758428	0.023142 0.094643
## 971	25	9.150661	0.018626 0.063750
## 6978	100	5.538865	0.014508 0.117563
## 9888	26	14.122976	0.020123 0.096755
## 2415	106	8.907422	0.022949 0.086321
## 9160	299	7.793722	0.020557 0.088117
## 13891	36	41.670708	0.014173 0.075608
## 12295	25	6.594718	0.014998 0.080000
## 18619	31	12.623774	0.012730 0.139819
## 16641	25	15.908106	0.013783 0.093375
## 22363	91	15.246420	0.014190 0.160920
## 19411	36	42.040455	0.015348 0.073785
## 19740	386	4.401453	0.017628 0.173778
## 14722	25	8.546144	0.009599 0.072500
## 19263	104	12.741209	0.022774 0.100150
## 6205	37	12.012796	0.010868 0.110051
## 7121	93	7.494174	0.022728 0.108266
## 12572	37	14.385587	0.023008 0.066892
## 20923	25	59.628315	0.015710 0.107750
## 7826	42	7.716328	0.008760 0.151191
## 6275	25	54.589832	0.015866 0.213000
## 4276	29	22.363749	0.021053 0.090733
## 17301	25	15.379611	0.014938 0.082250
## 19861	434	31.350075	0.016953 0.149446
## 18401	25	12.278661	0.015964 0.089125
## 15336	44	8.369936	0.015041 0.085156
## 3971	37	8.735023	0.012875 0.120608
## 14664	77	2.831664	0.013687 0.082386

## 21050	25	58.093597	0.018473 0.097750
## 12142	26	31.147829	0.014864 0.055529
## 461	25	3.456037	0.015310 0.127625
## 9636	99	13.098291	0.015319 0.115625
## 14106	429	13.081442	0.016503 0.113804
## 22545	97	4.603334	0.012789 0.111598
## 16269	116	13.751484	0.020010 0.084887
## 20492	362	7.236032	0.015089 0.150872
## 7101	45	2.881446	0.012027 0.095139
## 13730	88	17.198107	0.020084 0.126385
## 676	121	7.337498	0.020929 0.094783
## 2280	31	10.621434	0.017657 0.069758
## 1308	41	11.191313	0.019376 0.086204
## 1211	113	9.969387	0.018624 0.106997
## 6479	41	9.472152	0.023108 0.141768
## 17971	32	7.939578	0.012036 0.113184
## 21712	206	5.498395	0.015491 0.094017
## 2649	32	20.444975	0.021301 0.080078
## 15895	25	25.880260	0.014630 0.086125
## 14711	25	30.625874	0.019312 0.053000
## 16062	25	22.147280	0.015945 0.076000
## 12951	81	13.737751	0.019911 0.092708
## 17850	30	19.060614	0.020574 0.147500
## 12495	88	11.339194	0.014619 0.082209
## 19904	30	18.259340	0.015261 0.078646
## 9503	58	13.420197	0.015746 0.121767
## 10507	28	2.187357	0.005034 0.049665
## 14941	50	7.140052	0.017974 0.086500
## 18975	25	39.638920	0.016050 0.081000
## 9065	28	12.741023	0.019010 0.085603
## 54	71	4.005095	0.017049 0.100660
## 13115	25	62.200161	0.016959 0.076750
## 17071	86	12.288828	0.018149 0.075291
## 16469	187	20.952961	0.012731 0.127005
## 10004	1148	7.707564	0.012113 0.092648
## 833	126	9.938329	0.018228 0.088095
## 21623	104	10.050639	0.018274 0.124008
## 2996	31	11.416848	0.016146 0.123286
## 19579	55	19.518702	0.014566 0.077273
## 6441	54	8.994426	0.007246 0.245370
## 1478	47	3.100898	0.013233 0.053657
## 5462	37	9.208717	0.012294 0.076943
## 4048	65	10.587991	0.015069 0.113702
## 19602	25	35.891857	0.008397 0.122250
## 19620	26	45.154221	0.018227 0.121875
## 19489	25	20.433773	0.017390 0.120750
## 8958	452	10.108122	0.018617 0.154135
## 3493	60	2.055339	0.024113 0.106302
## 21230	63	22.909084	0.010170 0.173611
## 1249	176	2.841940	0.017176 0.149609
## 15198	71	16.456957	0.023355 0.110123
## 12834	70	32.351677	0.018236 0.099018
## 11854	25	15.819101	0.008668 0.078625
## 20850	48	7.260261	0.020311 0.119206

## 20389	443	7.411550	0.014123 0.139511
## 11713	134	9.277102	0.016268 0.109492
## 11478	76	4.952476	0.013776 0.109539
## 20121	32	18.999487	0.015723 0.096973
## 14268	38	26.799820	0.006100 0.057072
## 8248	361	6.276918	0.017260 0.133907
## 18543	85	10.601634	0.008982 0.145515
## 5286	28	3.578867	0.026276 0.062277
## 16977	63	19.957640	0.018611 0.113046
## 12303	249	2.929295	0.011807 0.083346
## 7935	25	16.054703	0.011514 0.144250
## 12855	86	14.282552	0.018439 0.099128
## 3850	239	3.057108	0.015591 0.089971
## 1979	446	3.249566	0.014183 0.136267
## 14830	38	7.145247	0.018666 0.070888
## 12556	28	25.121874	0.013313 0.079241
## 20445	130	13.603798	0.009800 0.088726
## 6774	27	22.416380	0.013944 0.051968
## 18171	45	5.112238	0.012587 0.113819
## 11869	34	6.470663	0.009639 0.074449
## 12055	42	8.883128	0.016263 0.078646
## 14874	30	11.851187	0.012196 0.127292
## 11777	125	5.739700	0.011217 0.059425
## 11544	32	7.245964	0.009218 0.130469
## 11842	32	3.700505	0.018517 0.086133
## 10379	25	3.546741	0.009759 0.047000
## 19939	28	12.643682	0.015808 0.095982
## 20359	369	6.919791	0.016314 0.139719
## 2576	339	2.102383	0.012768 0.164823
## 15464	45	8.447700	0.011046 0.142847
## 4665	26	8.926333	0.016699 0.079808
## 22039	25	44.052158	0.018038 0.099625
## 2990	1103	3.683015	0.012861 0.174899
## 17757	251	6.831915	0.014509 0.115525
## 8459	38	18.253012	0.019829 0.110197
## 13226	127	10.674269	0.016713 0.100394
## 10718	65	4.722694	0.020253 0.058798
## 14802	76	27.833525	0.002355 0.092229
## 2740	67	5.444187	0.014018 0.111754
## 6246	30	14.767050	0.018301 0.072604
## 7233	86	13.606998	0.017306 0.128779
## 10835	54	2.082131	0.012067 0.107928
## 18996	65	23.658880	0.022679 0.128990
## 595	26	11.466966	0.017061 0.101202
## 4649	40	19.456274	0.008552 0.033125
## 11915	53	27.302391	0.009665 0.094163
## 800	39	20.096998	0.013377 0.093590
## 6669	52	6.555266	0.015850 0.094892
## 4594	35	8.444911	0.012161 0.087411
## 1601	1288	5.588971	0.013803 0.133996
## 11773	32	10.123981	0.009046 0.065137
## 15137	34	6.495193	0.018705 0.113327
## 18218	50	18.835869	0.019760 0.107563
## 15056	28	26.643621	0.016510 0.114397

## 3239	291	2.217218	0.012113 0.165271
## 22460	32	2.018360	0.008788 0.113672
## 20573	71	4.692260	0.019833 0.092518
## 17529	96	12.804906	0.021085 0.109440
## 22536	25	6.134024	0.020419 0.099250
## 4071	25	27.424088	0.014344 0.087750
## 5764	85	21.483160	0.019544 0.141949
## 14016	146	8.373500	0.012705 0.115197
## 17234	122	19.892160	0.013158 0.098642
## 10994	87	6.736252	0.013936 0.152981
## 18823	25	40.618649	0.004096 0.094500
## 19294	128	6.259858	0.015722 0.126416
## 7668	25	30.116461	0.013864 0.120250
## 10885	35	2.480913	0.006526 0.057946
## 12458	69	12.757561	0.011585 0.069882
## 21431	51	10.327787	0.017837 0.189522
## 15647	25	19.342003	0.012768 0.124375
## 1506	136	2.461236	0.014013 0.121140
## 18747	80	16.717157	0.018834 0.122578
## 14092	172	7.455181	0.015535 0.132286
## 14945	126	5.216108	0.017953 0.103472
## 1514	137	3.025832	0.015875 0.097833
## 22271	25	4.867032	0.013241 0.078250
## 2119	93	12.499994	0.013508 0.147312
## 1204	25	13.795034	0.014381 0.114000
## 1296	25	8.491146	0.013729 0.064750
## 6897	532	10.364840	0.012280 0.196711
## 21664	38	38.523071	0.019777 0.119737
## 8603	43	12.702325	0.021704 0.103343
## 18365	110	6.367194	0.009700 0.110142
## 17611	25	14.435359	0.004747 0.065750
## 9579	27	14.403357	0.029464 0.093056
## 17994	25	12.544817	0.012618 0.129750
## 15595	50	9.909111	0.021732 0.104562
## 1005	69	2.834134	0.013893 0.209647
## 18858	52	11.100041	0.018266 0.127284
## 17805	43	11.409685	0.013889 0.093677
## 19541	25	30.971140	0.020056 0.094250
## 11629	66	4.722747	0.022199 0.150568
## 16873	31	21.744469	0.009967 0.102419
## 18934	27	18.113474	0.013568 0.095833
## 22098	155	5.366804	0.018175 0.124516
## 21529	354	6.839218	0.015801 0.124585
## 17003	67	11.874095	0.010347 0.090718
## 6439	28	3.114567	0.014465 0.132143
## 18164	55	9.280875	0.013559 0.140568
## 11109	932	5.921039	0.018169 0.163160
## 21767	52	7.521339	0.011693 0.099579
## 22374	89	6.969213	0.013309 0.180232
## 5079	69	12.368401	0.003368 0.087002
## 16034	95	9.594232	0.012348 0.076217
## 12414	113	6.697132	0.016357 0.076604
## 5608	167	28.684027	0.018744 0.070415
## 13453	65	28.624746	0.020138 0.103750

## 2618	102	10.919491	0.018090	0.094363
## 2416	122	7.559245	0.020384	0.085707
## 7469	25	12.118827	0.015724	0.082375
## 21467	111	18.036926	0.016299	0.130180
## 17051	25	8.545101	0.009982	0.135625
## 7153	190	8.392394	0.014215	0.130773
## 1251	301	11.896504	0.017486	0.114203
## 3751	29	17.160963	0.018542	0.105496
## 12289	38	5.665411	0.014289	0.085773
## 17769	113	10.214241	0.025788	0.116150
## 21637	27	19.820875	0.019182	0.096875
## 2440	25	16.682404	0.010949	0.132500
## 20237	30	17.808203	0.000646	0.039063
## 3625	87	8.131105	0.024047	0.089799
## 8684	25	11.021759	0.016200	0.129125
## 9975	94	19.013233	0.010613	0.143949
## 18515	29	16.757059	0.003195	0.039655
## 16006	147	6.863332	0.017385	0.133950
## 8143	32	10.116405	0.014925	0.093262
## 4608	131	10.756590	0.014511	0.093010
## 3623	39	5.421824	0.016722	0.140465
## 4435	110	2.326172	0.017129	0.108977
## 5386	26	4.051720	0.021423	0.099399
## 10509	57	11.525506	0.018927	0.036568
## 1872	95	11.037087	0.022009	0.090987
## 14572	128	24.550581	0.013632	0.111035
## 16111	173	7.514212	0.013556	0.115679
## 22462	263	5.469998	0.015941	0.119249
## 22021	314	20.984076	0.016194	0.109345
## 20675	114	17.188293	0.016704	0.132018
## 10399	25	19.046947	0.020132	0.045125
## 3973	144	6.573781	0.008980	0.078559
## 9089	33	4.463775	0.017884	0.108239
## 8294	32	19.336857	0.009914	0.102051
## 9762	27	10.887689	0.008851	0.089352
## 9323	34	23.371931	0.019776	0.139798
## 13691	41	16.114330	0.017240	0.097561
## 398	29	1.673110	0.014622	0.111207
## 13996	81	13.554706	0.012379	0.106289
## 19951	32	19.091736	0.015825	0.118750
## 17419	75	12.862123	0.020784	0.103625
## 7517	41	6.884208	0.021857	0.090701
## 2326	94	7.174706	0.017034	0.178092
## 11551	51	5.742408	0.003138	0.082475
## 3901	90	3.789619	0.019928	0.090868
## 15340	117	7.594823	0.018711	0.076335
## 392	45	2.579246	0.008435	0.085903
## 21554	272	17.395533	0.015456	0.127321
## 12514	54	4.279788	0.021178	0.066782
## 12789	72	3.163820	0.018035	0.117448
## 19498	38	2.446537	0.025806	0.086349
## 12401	25	25.740585	0.011811	0.117000
## 20163	28	20.474461	0.010655	0.112946
## 16267	106	11.860822	0.014837	0.085702

## 21086	25	16.165077	0.011335	0.156875
## 18260	116	6.805046	0.020076	0.117241
## 11868	27	11.381243	0.007893	0.034838
## 15549	100	5.014874	0.024945	0.078969
## 5362	52	16.323654	0.011199	0.094231
## 4655	66	1.978677	0.014854	0.090720
## 18565	25	17.554903	0.016075	0.133000
## 14251	65	17.084038	0.019055	0.070625
## 10691	25	14.477421	0.006846	0.091500
## 20877	31	6.798501	0.017620	0.132359
## 732	76	17.329552	0.020364	0.079564
## 10332	60	2.483958	0.017300	0.108437
## 10040	260	10.916876	0.016947	0.154880
## 15970	116	13.336714	0.014905	0.133405
## 18409	65	14.796933	0.012952	0.121875
## 2869	96	6.839775	0.015690	0.125977
## 16589	26	1.242025	0.013535	0.176082
## 20108	25	23.071621	0.014930	0.115875
## 1639	182	3.446120	0.015092	0.144643
## 22401	919	13.657788	0.015273	0.136276
## 292	55	7.020167	0.025329	0.100966
## 21582	71	4.539208	0.017897	0.087060
## 15936	82	11.868664	0.018364	0.103697
## 7080	35	12.831365	0.013785	0.051875
## 7731	51	9.062430	0.022560	0.109007
## 6373	40	9.405015	0.009933	0.125547
## 13748	27	15.098997	0.017776	0.096065
## 22015	174	6.529663	0.025060	0.120618
## 19671	50	31.052967	0.029396	0.019250
## 11104	198	8.337858	0.014906	0.145960
## 449	77	4.021835	0.005764	0.067005
## 8206	25	47.479248	0.021929	0.126500
## 11846	42	25.166813	0.011920	0.105655
## 16438	135	7.108708	0.017646	0.109676
## 1054	148	4.066367	0.015154	0.140139
## 1908	69	20.075611	0.018656	0.097509
## 15292	75	10.289021	0.008871	0.103625
## 3440	267	2.617623	0.017691	0.098560
## 4536	65	4.337841	0.013114	0.056202
## 9516	33	4.394557	0.020955	0.118182
## 15371	25	29.993933	0.021592	0.054250
## 15779	99	5.862044	0.016316	0.104703
## 22161	27	3.443609	0.014062	0.097107
## 17739	271	6.644638	0.016446	0.118704
## 8885	25	10.167446	0.018293	0.142500
## 1053	752	3.491908	0.015817	0.147910
## 1022	26	3.427656	0.012701	0.136659
## 17267	67	19.130302	0.020439	0.082369
## 11006	78	6.680974	0.006954	0.160136
## 1675	73	5.557798	0.012897	0.110531
## 3576	103	3.923512	0.016558	0.089472
## 19241	142	16.278309	0.022462	0.090229
## 22055	68	14.015716	0.020932	0.084835
## 3644	89	4.080180	0.020451	0.075351

## 529	25	19.741159	0.017684	0.056125
## 14698	60	2.362327	0.023068	0.050833
## 1123	32	23.220743	0.020670	0.064355
## 14869	25	18.546757	0.002858	0.024250
## 21923	134	4.976814	0.014404	0.121805
## 17849	25	23.745268	0.024930	0.158000
## 17506	29	1.568144	0.017970	0.077909
## 2360	25	11.371530	0.014029	0.065750
## 12196	36	10.642781	0.025642	0.071181
## 8304	37	15.725426	0.007142	0.083446
## 9153	86	5.933283	0.010903	0.109520
## 13952	68	8.501597	0.020279	0.113741
## 7249	71	13.628784	0.013017	0.158583
## 22158	68	7.398911	0.015486	0.081592
## 19266	321	6.472733	0.017921	0.093059
## 19354	87	18.583170	0.018683	0.116200
## 17155	118	7.510363	0.022800	0.089725
## 13655	33	18.901016	0.007077	0.111837
## 14743	60	5.991341	0.021812	0.109167
## 8628	165	18.036509	0.018396	0.099811
## 4686	121	13.088832	0.020883	0.077505
## 8189	25	4.513843	0.001733	0.037625
## 16060	25	35.492710	0.010439	0.113500
## 1583	102	4.899764	0.013281	0.096875
## 21812	66	5.133916	0.015657	0.138021
## 19127	25	21.492344	0.015164	0.109375
## 6234	140	14.036860	0.015760	0.086719
## 9232	76	26.974014	0.015615	0.110033
## 3978	149	2.544067	0.017743	0.113528
## 22440	160	4.439377	0.017595	0.151485
## 6283	467	10.364975	0.016386	0.150308
## 16016	73	9.673015	0.020567	0.153296
## 5403	269	5.582908	0.012491	0.136594
## 9489	73	4.861136	0.022746	0.129623
## 6172	43	14.741223	0.017970	0.043968
## 20603	31	2.148126	0.017248	0.095262
## 17289	29	17.426292	0.014876	0.067996
## 3310	39	14.013110	0.018561	0.115064
## 10441	25	16.335102	0.014627	0.174750
## 3829	306	3.852458	0.013778	0.107802
## 6489	201	7.242669	0.014321	0.135168
## 19833	33	4.498666	0.015416	0.116761
## 17292	25	33.078514	0.002496	0.084500
## 3431	174	2.754450	0.014499	0.084968
## 14269	101	21.096045	0.016605	0.079889
## 14392	25	25.817287	0.013630	0.099500
## 3648	56	17.951433	0.018271	0.087835
## 19450	25	23.649832	0.016841	0.147500
## 5961	138	3.976328	0.012819	0.073437
## 16669	86	17.286886	0.016993	0.080923
## 7886	116	11.451729	0.018264	0.136746
## 12921	46	5.419313	0.018784	0.133832
## 10797	36	18.554575	0.010542	0.075000
## 5340	49	6.066800	0.009346	0.094133

## 3124	42	15.314107	0.021308	0.065774
## 9143	85	22.704247	0.012947	0.173934
## 19975	25	31.571365	0.016073	0.114375
## 6760	36	18.136417	0.016491	0.062413
## 4892	36	3.398743	0.016357	0.065538
## 18664	99	13.286752	0.017280	0.076989
## 20678	25	31.719780	0.012787	0.115000
## 20073	31	25.211767	0.006148	0.082560
## 20813	33	19.906990	0.018463	0.077652
## 6803	222	32.169266	0.020210	0.111543
## 5602	166	27.865273	0.013844	0.087293
## 4803	52	6.086361	0.018949	0.047957
## 16856	42	20.880476	0.020266	0.172842
## 13825	25	9.379772	0.021597	0.110625
## 11001	151	5.684254	0.015162	0.088804
## 1097	37	6.193075	0.019334	0.096284
## 4555	65	4.361130	0.021443	0.068606
## 3771	224	5.588750	0.021980	0.102888
## 10095	134	10.518661	0.014769	0.114576
## 16072	86	3.228169	0.010812	0.109811
## 14478	85	8.522025	0.021298	0.081287
## 15522	116	12.908521	0.012391	0.139251
## 21382	25	16.121088	0.017847	0.087250
## 6814	105	4.915440	0.017237	0.104881
## 16541	115	6.886980	0.014981	0.085182
## 306	47	13.063539	0.018536	0.151662
## 656	64	6.765915	0.017607	0.110498
## 1720	388	2.875033	0.019457	0.113539
## 9861	25	24.084667	0.018347	0.105000
## 1282	41	4.922461	0.016311	0.130869
## 12057	25	19.854172	0.000643	0.263000
## 8844	36	7.697356	0.012501	0.096181
## 6486	639	6.938837	0.012654	0.113199
## 3982	159	2.717831	0.018217	0.092748
## 21753	61	6.956835	0.007312	0.070184
## 12493	33	4.271635	0.016065	0.079545
## 14151	116	5.737341	0.020092	0.123384
## 17969	36	8.712441	0.015934	0.139410
## 1494	175	5.154996	0.014737	0.137929
## 11157	25	39.384777	0.014006	0.139250
## 19825	44	13.773276	0.017642	0.147159
## 18522	104	8.277383	0.018542	0.102193
## 15382	150	4.036197	0.012085	0.174729
## 12020	25	11.994382	0.005984	0.116250
## 12767	58	15.365971	0.018684	0.058944
## 19577	107	18.665071	0.017955	0.070999
## 14351	49	9.211861	0.017746	0.140561
## 6308	499	8.877612	0.017954	0.112143
## 17847	43	17.189379	0.015721	0.111192
## 15013	25	6.555988	0.008148	0.150125
## 15167	54	3.500191	0.016076	0.101157
## 11616	108	9.994098	0.012557	0.073322
## 6316	365	5.665501	0.019858	0.119538
## 2121	37	10.504739	0.013906	0.122297

## 1658	41	3.734630	0.013353 0.106098
## 18902	67	32.961956	0.016186 0.140112
## 10776	42	18.263876	0.013952 0.083036
## 1703	43	4.502833	0.016738 0.117514
## 2338	25	5.880217	0.013058 0.112083
## 2680	150	2.516040	0.013265 0.199000
## 6431	25	18.783131	0.014814 0.121125
## 20415	30	15.702407	0.019887 0.097812
## 9894	25	33.722069	0.018058 0.129750
## 250	32	10.417964	0.019232 0.089160
## 4035	426	3.037063	0.017758 0.089811
## 10322	25	8.011623	0.008921 0.174875
## 22543	32	10.520031	0.017690 0.104492
## 3989	1343	1.824436	0.019060 0.107316
## 18916	59	18.793222	0.017335 0.111388
## 12631	43	7.928138	0.008196 0.098983
## 8811	46	8.888083	0.017711 0.077785
## 6960	34	2.266187	0.021190 0.097978
## 14405	124	4.437729	0.011479 0.134879
## 9938	51	14.151799	0.013941 0.140502
## 15672	57	10.268287	0.021344 0.119627
## 10559	25	30.217897	0.003151 0.073250
## 15915	153	9.220550	0.018294 0.088215
## 17833	46	9.418507	0.018841 0.086617
## 8356	54	5.182544	0.010977 0.082986
## 13005	102	3.201280	0.021194 0.183670
## 13041	26	22.116093	0.017158 0.064423
## 15316	203	14.658595	0.014093 0.087192
## 15254	27	15.738209	0.017173 0.118403
## 9463	67	30.724710	0.019067 0.096642
## 17900	71	15.043491	0.019034 0.182658
## 4551	65	4.485757	0.021066 0.061442
## 13919	28	5.208710	0.007445 0.063281
## 2333	61	16.760780	0.015652 0.140727
## 12647	25	8.047565	0.010451 0.136500
## 20216	64	9.447344	0.010873 0.087451
## 2050	26	3.830431	0.015378 0.105529
## 13175	25	10.187604	0.012539 0.120750
## 16154	149	5.003588	0.014001 0.126384
## 19391	216	21.191362	0.016720 0.075405
## 19069	44	14.004385	0.018640 0.147088
## 20386	25	38.476791	0.018030 0.140875
## 9168	196	14.196334	0.018343 0.077870
## 13066	820	6.906851	0.014907 0.131021
## 2529	120	7.795052	0.019231 0.084948
## 11213	53	21.639139	0.013810 0.079068
## 1621	79	3.038508	0.013028 0.118196
## 21191	48	11.191022	0.010050 0.134050
## 17348	85	6.486630	0.019574 0.047978
## 16307	90	9.065248	0.016522 0.106736
## 2600	40	8.702208	0.011816 0.124063
## 17437	146	8.041175	0.011705 0.117787
## 7329	98	5.024178	0.016833 0.054209
## 16626	45	3.034662	0.025036 0.092083

## 5380	466	19.845062	0.014151 0.138701
## 7372	25	18.148500	0.015334 0.136375
## 21264	487	25.732426	0.018064 0.165586
## 18869	86	15.616783	0.011546 0.103670
## 7156	363	15.564315	0.010398 0.147176
## 13469	36	11.448662	0.019991 0.144878
## 9896	27	21.194307	0.019688 0.100116
## 13342	73	24.598057	0.023238 0.116010
## 2187	262	10.404078	0.018948 0.086832
## 9731	25	9.225122	0.018016 0.113125
## 3950	54	17.025682	0.015132 0.102720
## 9472	46	2.558161	0.016773 0.137024
## 20510	365	12.063110	0.017963 0.200454
## 15564	25	19.945110	0.013531 0.063000
## 736	30	10.773965	0.017231 0.092708
## 14779	29	3.561088	0.014824 0.044289
## 12858	44	8.114066	0.024417 0.082955
## 1410	318	3.064936	0.018268 0.140792
## 1920	25	18.325802	0.016478 0.097750
## 14960	65	8.439540	0.021333 0.050288
## 2682	150	2.840724	0.015361 0.191229
## 16472	31	15.601565	0.013050 0.188508
## 12668	76	5.212589	0.019136 0.062582
## 5123	1567	5.767237	0.021413 0.159403
## 5897	899	10.697013	0.017506 0.134490
## 20133	49	19.022001	0.018732 0.110842
## 9614	27	29.534908	0.014909 0.162153
## 13110	96	5.597288	0.017460 0.060091
## 12968	50	6.291477	0.014236 0.074312
## 11917	65	25.060282	0.005529 0.094856
## 12818	100	12.901381	0.013342 0.104156
## 6188	37	8.992906	0.014877 0.054223
## 3240	369	8.555912	0.010732 0.176423
## 8580	25	14.658887	0.016725 0.103125
## 10894	33	5.264670	0.018301 0.109754
## 6958	38	16.318863	0.023246 0.110033
## 2491	25	23.468468	0.018530 0.078250
## 11744	297	7.167276	0.016242 0.155861
## 13716	47	18.022310	0.019169 0.134175
## 11473	40	7.277093	0.005648 0.072422
## 19936	73	4.874826	0.016853 0.127740
## 17384	64	8.706157	0.017895 0.112939
## 13239	243	12.880296	0.016112 0.104964
## 11598	29	22.932360	0.015072 0.067349
## 11013	316	8.509387	0.015085 0.107170
## 16234	61	12.836552	0.014772 0.156557
## 20235	95	8.124662	0.007865 0.100132
## 1404	308	3.261770	0.016642 0.121033
## 21418	28	11.774713	0.021332 0.073661
## 12863	46	9.771453	0.015922 0.116848
## 10571	53	7.013413	0.022429 0.124528
## 417	25	7.889245	0.015553 0.090250
## 20070	26	16.828825	0.012598 0.110817
## 21513	30	18.948095	0.018600 0.128854

## 7275	63	1.813131	0.006397	0.114732
## 3567	166	2.049092	0.018767	0.090644
## 11390	60	6.711271	0.019454	0.078021
## 7864	60	14.205053	0.022258	0.106667
## 21432	82	14.708953	0.015287	0.183079
## 21609	31	14.106023	0.018267	0.084375
## 4850	25	9.910419	0.016325	0.050500
## 22382	584	10.803428	0.017099	0.134803
## 10257	131	3.482303	0.016474	0.133731
## 15306	28	24.740767	0.018680	0.067634
## 6799	93	12.284870	0.017108	0.129267
## 12686	75	2.978228	0.017890	0.149458
## 4716	25	23.844463	0.019669	0.061625
## 9235	25	9.419121	0.016962	0.095375
## 8682	25	11.329198	0.020751	0.082625
## 5207	354	5.846283	0.018532	0.126942
## 10159	45	11.150164	0.019685	0.096944
## 3608	25	9.100533	0.018677	0.065625
## 561	25	11.693789	0.001598	0.036000
## 487	40	2.417311	0.015255	0.055625
## 12391	52	5.945216	0.013926	0.038281
## 10839	63	19.670649	0.020217	0.048958
## 18067	52	8.999956	0.024432	0.080108
## 12623	88	11.425887	0.014797	0.084268
## 83	41	7.544166	0.021821	0.147561
## 14644	25	26.849354	0.005148	0.082250
## 22274	38	7.472663	0.016113	0.082648
## 14174	43	10.009682	0.018773	0.119404
## 17728	166	2.890090	0.016963	0.135956
## 3724	63	1.727269	0.014583	0.083681
## 12683	72	3.250695	0.021465	0.104818
## 21094	44	13.965579	0.019076	0.133168
## 18959	51	17.879992	0.016884	0.116850
## 16107	58	4.882337	0.018258	0.131519
## 22394	596	10.721084	0.016392	0.149916
## 6204	32	21.704844	0.010662	0.119238
## 19211	50	11.956047	0.016992	0.093938
## 958	28	6.758926	0.015074	0.068080
## 11654	305	22.792236	0.015552	0.091189
## 3306	259	3.690766	0.018976	0.096139
## 7699	316	11.664878	0.011190	0.185611
## 4483	34	23.518745	0.012884	0.070129
## 19186	51	17.598021	0.018202	0.132598
## 21066	57	9.748823	0.018516	0.112226
## 2679	149	3.595487	0.016217	0.161787
## 5513	113	11.013659	0.020764	0.138468
## 16701	147	6.566184	0.018843	0.112989
## 22512	25	13.057922	0.020986	0.124125
## 14892	36	13.303020	0.018239	0.046181
## 20162	575	18.515968	0.013825	0.150016
## 18741	26	14.307053	0.016904	0.132452
## 13828	25	24.831619	0.017268	0.165625
## 6887	641	11.545353	0.016817	0.216571
## 15239	30	21.779430	0.019974	0.102604

## 5817	26	13.876367	0.018184 0.134856
## 5411	245	10.913424	0.015329 0.112819
## 9108	25	21.273748	0.019451 0.083750
## 64	37	5.432541	0.015964 0.085389
## 1400	491	2.607675	0.013099 0.139422
## 4258	34	30.330460	0.016172 0.090349
## 9225	75	11.542475	0.021269 0.111167
## 4459	95	3.226464	0.016304 0.096875
## 21942	1083	7.438246	0.017691 0.127724
## 15866	41	14.027671	0.018461 0.110899
## 15767	25	18.808538	0.020894 0.091625
## 22391	186	9.665562	0.013299 0.158031
## 14924	89	7.909755	0.012816 0.144663
## 16516	91	21.493412	0.016520 0.087363
## 21958	1341	6.809856	0.016449 0.140608
## 14139	25	54.888397	0.018308 0.113250
## 21481	26	5.843290	0.015580 0.136058
## 21544	200	21.222683	0.012199 0.085391
## 12757	34	7.422779	0.020600 0.089798
## 13440	32	41.807934	0.012126 0.077734
## 8032	25	29.799606	0.013900 0.123750
## 13343	65	23.446201	0.017934 0.136923
## 12894	45	4.120520	0.014620 0.101528
## 12357	101	15.638689	0.014762 0.134468
## 21498	28	28.231752	0.018579 0.115848
## 10736	59	34.752968	0.023534 0.096716
## 915	51	10.551400	0.010962 0.089706
## 12452	91	11.221885	0.012668 0.102301
## 2502	263	3.231197	0.020321 0.090102
## 18864	702	6.106962	0.017098 0.140029
## 11836	73	7.077405	0.007232 0.092808
## 13179	58	13.276689	0.022218 0.138524
## 3112	151	2.857670	0.016817 0.113245
## 17274	249	15.905491	0.012524 0.108183
## 8920	653	7.382477	0.016744 0.121176
## 13555	33	18.051556	0.007298 0.086080
## 12605	66	9.903100	0.017584 0.107055
## 7320	43	15.222368	0.008076 0.067079
## 9257	45	25.410868	0.014270 0.077014
## 8836	32	12.944452	0.015352 0.153613
## 735	37	13.639452	0.017766 0.082264
## 11155	353	9.006943	0.018028 0.152682
## 16577	124	0.553632	0.013927 0.109501
## 1699	38	2.898179	0.009413 0.234868
## 10458	105	8.910652	0.020527 0.078720
## 15295	86	3.981694	0.012688 0.136228
## 6651	46	11.219639	0.017612 0.187500
## 3452	44	23.317493	0.010793 0.108594
## 6003	34	6.807985	0.012583 0.076471
## 18073	92	4.311914	0.022861 0.113655
## 1001	65	4.435616	0.020408 0.079760
## 22207	206	16.577538	0.014515 0.180537
## 3697	490	3.638410	0.013943 0.102947
## 11019	181	6.591445	0.012792 0.098204

## 6174	26	4.941529	0.012838	0.053125
## 2023	76	1.948177	0.015687	0.099630
## 9784	25	37.997139	0.012611	0.083625
## 7762	92	17.492817	0.009553	0.087092
## 14071	42	19.771582	0.014797	0.091369
## 16007	65	26.491369	0.014623	0.135673
## 2597	44	6.011470	0.012701	0.113494
## 1458	35	11.249133	0.021816	0.043482
## 12579	55	21.378443	0.030807	0.036364
## 14589	32	29.124813	0.016735	0.090137
## 14806	180	5.475112	0.010593	0.094740
## 1753	93	3.171120	0.017798	0.098454
## 4802	57	15.236776	0.015038	0.070066
## 21908	107	10.325754	0.022193	0.109755
## 1942	43	15.593598	0.018048	0.092006
## 18548	25	16.542927	0.013322	0.120000
## 10390	25	34.573402	0.018734	0.122750
## 17316	31	7.623010	0.006513	0.093448
## 7318	25	8.960206	0.014232	0.095875
## 9723	118	8.849289	0.020197	0.132786
## 17030	87	3.612189	0.018219	0.072486
## 9029	31	25.795900	0.017504	0.109577
## 13685	28	5.340340	0.016595	0.078683
## 12438	40	17.634682	0.017698	0.106797
## 9460	25	54.694393	0.017939	0.072125
## 16085	30	7.671712	0.012640	0.105417
## 7806	39	2.371737	0.006699	0.158654
## 8138	30	10.448243	0.013736	0.098438
## 6702	33	7.838874	0.021124	0.092992
## 20533	240	7.614740	0.014956	0.146823
## 1134	270	22.231579	0.015722	0.128738
## 18091	378	8.586904	0.009629	0.111706
## 11341	41	7.170946	0.019719	0.078354
## 7896	39	14.016594	0.015325	0.097035
## 10033	286	9.229553	0.014868	0.136353
## 12752	25	12.202422	0.006775	0.034125
## 12156	25	31.856695	0.011862	0.145250
## 14882	65	8.047899	0.018584	0.062019
## 8988	67	17.268597	0.019894	0.080457
## 11709	203	12.349342	0.018578	0.127001
## 12430	25	31.527056	0.012928	0.115250
## 6938	38	20.765944	0.014962	0.124507
## 10821	42	8.920683	0.016593	0.050744
## 21419	194	15.341950	0.020930	0.180300
## 12372	59	16.236948	0.012403	0.118008
## 16688	39	11.376431	0.015972	0.061859
## 19663	25	20.181349	0.017254	0.101375
## 7525	25	21.302515	0.026542	0.063375
## 17952	294	10.960672	0.016642	0.125670
## 11666	186	22.307791	0.017360	0.087046
## 22157	38	7.601925	0.020473	0.105345
## 3271	270	6.902318	0.012277	0.091424
## 472	25	15.632520	0.009416	0.117125
## 17092	113	13.551116	0.010674	0.080891

## 12545	98	2.616234	0.016240 0.092698
## 19250	54	8.193110	0.013556 0.139931
## 8741	27	5.599220	0.015086 0.082292
## 21323	99	13.261451	0.019564 0.156755
## 13863	53	11.262011	0.019840 0.103656
## 7742	46	32.783253	0.018999 0.122147
## 3063	49	4.595868	0.021435 0.090816
## 13183	38	23.433363	0.022202 0.096135
## 3784	270	10.603877	0.020250 0.089676
## 19265	110	7.899639	0.017221 0.092670
## 11727	347	16.117718	0.014465 0.209600
## 7081	26	7.556618	0.010241 0.046394
## 9084	101	14.994370	0.019616 0.127506
## 17347	25	3.190466	0.013682 0.047875
## 18663	72	4.557610	0.014801 0.103299
## 16123	34	10.997760	0.019267 0.107813
## 15759	25	13.207921	0.011209 0.125125
## 994	1942	3.563455	0.016477 0.125395
## 8070	84	10.603788	0.013191 0.154390
## 284	85	21.483160	0.019544 0.141949
## 16960	57	2.885707	0.024084 0.092215
## 20166	545	10.028218	0.017334 0.213630
## 2587	51	7.395956	0.010183 0.186152
## 13506	102	27.365395	0.016346 0.127574
## 4860	40	23.347586	0.016307 0.117344
## 20939	61	6.823480	0.018710 0.091086
## 10789	123	5.861643	0.007567 0.110798
## 2179	25	11.635943	0.009132 0.065875
## 6560	31	5.538485	0.014179 0.097883
## 10403	71	6.731920	0.016872 0.091637
## 16418	52	25.127268	0.008923 0.167728
## 12851	70	10.945564	0.018833 0.073080
## 16930	65	5.916792	0.019414 0.052933
## 4467	37	3.919868	0.019451 0.113851
## 2563	25	28.965565	0.019121 0.089375
## 17015	27	14.837460	0.011826 0.072801
## 4685	72	2.995616	0.010022 0.077951
## 63	63	2.787046	0.012298 0.107688
## 14725	31	4.004253	0.014878 0.086895
## 14344	59	19.172560	0.017928 0.110593
## 22348	139	4.665094	0.023910 0.085679
## 9464	25	56.351601	0.020852 0.092500
## 11881	29	27.738266	0.015545 0.086638
## 5247	209	10.570946	0.014347 0.111379
## 14712	25	34.650539	0.010538 0.089125
## 21144	73	4.911838	0.019424 0.123630
## 3441	139	3.807394	0.016556 0.096920
## 9015	123	7.034203	0.010203 0.103760
## 11056	25	7.527539	0.014695 0.116000
## 3609	25	13.462711	0.017146 0.071875
## 13865	99	5.443256	0.018802 0.098201
## 215	30	1.447503	0.018374 0.051146
## 19822	41	17.062019	0.015582 0.140396
## 21756	113	3.267741	0.013006 0.095713

## 20525	140	9.168908	0.013805 0.140446
## 8693	28	6.054206	0.015605 0.120424
## 10230	78	1.813391	0.013457 0.109095
## 9593	25	23.830986	0.012850 0.070125
## 7530	98	34.828789	0.019043 0.171843
## 9929	180	8.804609	0.013523 0.142812
## 4145	95	10.400877	0.018275 0.106184
## 21944	1272	7.213740	0.016741 0.137952
## 5546	242	21.373465	0.018468 0.121229
## 18814	25	13.120728	0.015894 0.097750
## 22020	46	6.954309	0.013464 0.141033
## 4910	51	4.377448	0.017387 0.082598
## 19237	26	17.528416	0.014300 0.149760
## 15659	57	12.711523	0.014737 0.106414
## 7418	27	14.980208	0.009358 0.051273
## 16983	335	16.837818	0.018469 0.084216
## 6004	94	2.953394	0.009932 0.088431
## 1832	79	6.975805	0.017790 0.116653
## 17170	25	19.601990	0.006246 0.073875
## 13383	66	10.950774	0.017121 0.117235
## 15754	92	2.433501	0.012386 0.107914
## 2221	27	16.040007	0.013577 0.096181
## 4501	25	13.793938	0.007648 0.087250
## 11088	25	13.391375	0.008625 0.101000
## 3459	25	19.679193	0.017785 0.073500
## 5736	140	13.390519	0.017719 0.077120
## 6353	25	11.777631	0.011233 0.099000
## 6920	150	8.092399	0.016369 0.118083
## 18841	39	12.756646	0.005867 0.118510
## 22066	36	24.201662	0.018301 0.127083
## 19361	98	6.802210	0.010241 0.125287
## 16044	65	8.770469	0.019661 0.107308
## 15904	25	10.343868	0.014668 0.093750
## 19096	128	9.207646	0.017390 0.134497
## 6153	25	29.422110	0.022773 0.100125
## 14284	76	26.402145	0.013085 0.105058
## 7414	114	9.694489	0.015913 0.112637
## 9783	35	29.237711	0.012838 0.100179
## 16492	25	3.843102	0.015192 0.139000
## 465	25	27.164352	0.022924 0.110750
## 14917	47	4.685040	0.000680 0.081649
## 13384	59	19.154028	0.021373 0.110170
## 11168	54	2.715310	0.021832 0.119734
## 11944	83	2.772846	0.012503 0.121762
## 11532	59	4.677626	0.021958 0.125159
## 1293	25	20.702709	0.014399 0.071250
## 15728	72	30.389139	0.013424 0.098915
## 16496	94	1.415724	0.017266 0.091024
## 16005	28	26.013046	0.017069 0.125781
## 11261	25	12.221313	0.016764 0.125500
## 5426	72	17.197823	0.013825 0.106250
## 20327	56	10.132055	0.013866 0.134208
## 8627	125	17.317823	0.015285 0.114750
## 20553	40	23.166744	0.015413 0.106328

## 5747	25	50.393261	0.022504 0.053750
## 19024	67	32.625641	0.019092 0.144403
## 13423	49	18.383327	0.018224 0.109247
## 10682	87	4.683975	0.017071 0.087716
## 1294	41	19.192081	0.014730 0.086814
## 6888	405	15.009563	0.011804 0.174159
## 4822	38	4.972052	0.014009 0.023520
## 20742	719	10.849173	0.019377 0.134953
## 842	28	30.691395	0.015541 0.085714
## 14593	52	27.020842	0.017022 0.118389
## 22257	25	4.878451	0.015893 0.142250
## 19867	47	14.138625	0.015177 0.116090
## 20347	113	7.816153	0.019620 0.137998
## 19192	25	20.623619	0.017042 0.099625
## 1573	45	4.843643	0.016528 0.107639
## 10600	28	24.622547	0.021976 0.070536
## 15112	91	8.552851	0.012871 0.116140
## 6138	312	6.485509	0.019201 0.103460
## 4169	60	5.721532	0.019118 0.076667
## 14007	57	14.428364	0.010096 0.102741
## 437	25	7.542478	0.004066 0.077875
## 9422	757	9.955462	0.017631 0.078051
## 6764	28	3.622383	0.017881 0.075223
## 17510	32	2.166959	0.012663 0.076465
## 10633	25	19.782015	0.014673 0.089500
## 16335	74	3.320277	0.020451 0.149282
## 14653	33	13.517953	0.007168 0.080303
## 190	25	22.459776	0.014292 0.090875
## 11421	44	6.981493	0.008583 0.079119
## 11908	53	7.420484	0.018661 0.091686
## 10787	77	9.365472	0.019431 0.090869
## 21563	83	35.323837	0.011780 0.160090
## 3433	174	2.802611	0.016991 0.097935
## 7639	42	0.839421	0.007878 0.102009
## 2886	25	28.676804	0.014368 0.095875
## 15334	46	4.427308	0.013867 0.072690
## 17203	74	10.374854	0.023362 0.090625
## 12685	46	9.102503	0.017192 0.131590
## 9649	25	38.157936	0.015527 0.070500
## 1719	140	4.102015	0.015906 0.120670
## 4165	165	5.594821	0.015140 0.154621
## 10249	82	13.637674	0.025980 0.064101
## 353	29	6.344428	0.019047 0.079741
## 13375	34	2.577743	0.009944 0.079688
## 2951	50	2.567795	0.007286 0.108813
## 16287	25	13.054300	0.016965 0.043500
## 20633	25	16.219082	0.013466 0.139500
## 20881	49	19.132601	0.018316 0.113393
## 18594	27	15.687810	0.013117 0.135764
## 8558	36	9.728292	0.006225 0.119618
## 7902	73	16.026917	0.010874 0.070676
## 12724	56	4.738116	0.019134 0.058426
## 1312	38	8.443280	0.017539 0.111431
## 4698	62	14.293890	0.019005 0.043145

## 19033	46	2.537365	0.016013 0.082677
## 6212	95	6.633563	0.018492 0.095197
## 741	31	3.577158	0.017134 0.081048
## 10480	25	12.517719	0.014192 0.088125
## 15827	47	27.925373	0.009577 0.149269
## 4455	79	5.149731	0.019411 0.101424
## 8729	56	8.970317	0.007619 0.106473
## 3190	36	5.856614	0.020340 0.073003
## 2368	97	2.462752	0.020557 0.088305
## 4292	33	21.170263	0.021744 0.095928
## 20494	203	8.249871	0.016969 0.151247
## 496	50	5.330614	0.016483 0.102812
## 7197	153	33.888321	0.010210 0.132618
## 9567	29	17.617649	0.015319 0.112608
## 3875	25	17.345100	0.014590 0.153625
## 17284	82	11.667232	0.011198 0.116159
## 4670	50	14.594455	0.016722 0.070000
## 8151	124	7.706244	0.011798 0.117137
## 10154	40	9.171633	0.016867 0.077188
## 15383	58	11.789771	0.013236 0.135506
## 21292	39	18.966105	0.004101 0.086218
## 16443	149	5.147542	0.017784 0.088465
## 7034	709	12.490523	0.009990 0.270839
## 1544	25	42.757313	0.008388 0.116125
## 21289	288	11.993587	0.006457 0.105436
## 20629	94	4.016877	0.018473 0.168185
## 7781	61	3.734257	0.013400 0.105943
## 493	36	10.703310	0.008804 0.157986
## 13266	295	8.608943	0.016533 0.129184
## 12116	35	21.496943	0.012375 0.106607
## 9326	36	7.594738	0.020080 0.092969
## 6060	933	6.538321	0.019215 0.141844
## 7207	312	20.033249	0.010828 0.153816
## 8916	225	4.867429	0.022813 0.121125
## 9126	84	9.976374	0.019499 0.106399
## 10439	28	24.638306	0.012028 0.137612
## 2564	25	13.585287	0.010687 0.109125
## 4272	95	6.976442	0.013508 0.104474
## 5382	61	15.224027	0.019585 0.155021
## 11914	53	39.950798	0.010731 0.094870
## 14353	48	7.879041	0.019133 0.120768
## 12370	38	20.316092	0.015880 0.094490
## 2268	72	17.345243	0.014188 0.145920
## 803	43	10.567206	0.016930 0.100436
## 2425	30	2.322025	0.015659 0.096458
## 3571	105	1.550344	0.016993 0.091339
## 9545	89	18.479876	0.015794 0.096454
## 11371	31	2.747309	0.010427 0.089214
## 13598	28	12.655629	0.013506 0.131920
## 9563	246	13.527132	0.020762 0.120757
## 2424	34	7.543277	0.016707 0.108088
## 9071	62	12.055694	0.017486 0.107964
## 19374	38	13.685343	0.004029 0.086760
## 2125	85	5.165733	0.012286 0.137500

## 17499	44	7.642346	0.018899 0.133523
## 661	65	5.760173	0.016198 0.103317
## 16806	94	1.835506	0.012740 0.090559
## 767	58	1.505504	0.013800 0.108890
## 12185	426	5.568839	0.016861 0.137551
## 22221	155	9.265802	0.013915 0.186915
## 7215	50	14.532166	0.026465 0.064375
## 4300	25	2.128936	0.017177 0.099875
## 9707	36	7.930033	0.011223 0.127778
## 17417	59	14.887703	0.022538 0.096610
## 16410	25	18.233332	0.022391 0.057000
## 14407	103	8.193476	0.018522 0.108617
## 15984	30	11.847118	0.018743 0.068021
## 6231	76	7.535627	0.009654 0.112418
## 5057	36	21.280535	0.013396 0.074479
## 349	44	17.633537	0.011138 0.085227
## 1415	110	2.506382	0.014557 0.124886
## 5274	25	25.539831	0.001485 0.034375
## 17653	25	10.114203	0.010789 0.085000
## 15645	39	25.093519	0.015305 0.089183
## 4634	43	4.447376	0.013520 0.061555
## 19228	28	12.753922	0.018114 0.128683
## 21511	179	17.524029	0.023287 0.150908
## 19249	64	12.201123	0.016727 0.147119
## 13074	732	7.268430	0.013683 0.110306
## 4916	40	17.519535	0.017256 0.085391
## 17878	25	18.055588	0.012737 0.082500
## 19933	48	7.373661	0.016502 0.133724
## 3922	70	17.592421	0.019325 0.077455
## 13816	67	13.244482	0.020035 0.132369
## 9822	36	41.580601	0.019943 0.079427
## 8174	25	27.072109	0.007372 0.073125
## 5332	228	12.665242	0.016894 0.094778
## 2080	32	23.118961	0.017990 0.065625
## 1646	564	4.437841	0.015690 0.133771
## 20299	746	8.686426	0.012205 0.135787
## 3337	84	5.296753	0.010758 0.127381
## 21877	25	52.307629	0.022557 0.084375
## 21577	196	8.137299	0.018336 0.091311
## 7269	25	8.651423	0.009157 0.109375
## 7296	25	5.782107	0.001568 0.033625
## 1231	224	2.470546	0.016349 0.112946
## 18370	43	8.471524	0.013446 0.112573
## 4733	130	9.216536	0.018615 0.075961
## 9045	46	2.619640	0.019336 0.094769
## 8413	25	22.932158	0.021784 0.078000
## 21155	31	21.757805	0.018574 0.113306
## 16700	28	25.540741	0.018346 0.141071
## 2314	25	20.379734	0.011814 0.179125
## 3116	813	1.985215	0.018225 0.108337
## 5423	74	23.188828	0.014236 0.126647
## 9780	56	7.507699	0.015380 0.132645
## 8420	83	5.041195	0.006854 0.098080
## 19901	25	36.212898	0.017414 0.063250

##	9371	26	33.840355	0.016026	0.120673
##	21202	53	6.894499	0.013423	0.085790
##	8315	31	8.286261	0.016277	0.027621
##	14050	96	7.162151	0.015704	0.100879
##	13278	639	6.740921	0.016289	0.149276
##	1807	126	3.005956	0.012112	0.107713
##	3092	488	2.025348	0.014823	0.118398
##	543	98	4.247380	0.018102	0.099362
##	21854	135	5.149347	0.023205	0.124120
##	10847	32	8.586746	0.009938	0.070117
##	15354	35	9.257039	0.009929	0.108661
##	7142	46	18.415613	0.013189	0.139402
##	10221	83	2.816503	0.020415	0.085505
##	8986	83	13.300153	0.013958	0.089157
##	11871	25	7.789891	0.011390	0.043250
##	1609	608	4.130342	0.015268	0.141278
##	2281	30	24.618587	0.017234	0.070000
##	8816	27	6.171803	0.017923	0.058912
##	4278	90	3.587584	0.018873	0.100729
##	spectral_centroid_mn spectral_roll_off_mn spectral_flux_mn				
##	16605	3426.024	6638.394	966.257446	
##	6927	3745.876	7403.992	425.622894	
##	9657	3764.459	7450.307	1907.581055	
##	14313	3424.360	6829.689	183.515930	
##	21870	3806.777	7409.225	1898.318481	
##	21278	3277.616	6460.999	671.227722	
##	13189	3491.935	6766.407	1295.222656	
##	17249	3803.933	7369.447	1551.817383	
##	3110	3851.484	7484.934	1221.959717	
##	14846	3634.939	7054.350	1650.518921	
##	8897	3795.214	7194.818	1611.303467	
##	6166	3640.599	7280.454	744.377075	
##	197	3537.793	6863.197	1769.263916	
##	4858	3382.841	6545.192	849.339111	
##	5190	3794.367	7325.881	938.446716	
##	19179	3499.054	6793.751	1399.401855	
##	17808	3743.347	7236.717	1192.232178	
##	12025	3469.025	6882.031	281.150391	
##	17113	3522.088	7270.340	148.329849	
##	2437	3341.308	6419.000	680.114319	
##	3879	3339.013	6476.000	1369.092041	
##	3086	3354.798	6450.999	1181.489624	
##	10143	3884.213	7539.671	1122.396362	
##	19632	3613.293	6928.410	1259.489502	
##	12867	3764.899	7347.304	1326.979980	
##	18925	3673.852	7016.146	1184.443970	
##	19148	3369.605	6446.000	1174.055908	
##	217	3729.130	7109.166	1366.509399	
##	7674	3630.190	7022.779	1621.665161	
##	3336	3627.147	7044.565	989.413757	
##	11772	3623.592	7030.436	672.772522	
##	7635	3302.783	6517.002	182.629089	
##	6811	3794.752	7652.205	171.225632	
##	21888	3570.253	6811.806	2232.373535	

## 20987	3708.559	7237.500	1613.097778
## 20848	3688.573	6925.000	1675.549683
## 2715	3871.448	7331.202	1471.191284
## 10472	3731.963	7274.598	1669.846924
## 10827	3493.280	6626.353	300.156372
## 2350	3440.132	6693.104	654.896301
## 19357	3893.627	7644.165	1317.224731
## 21233	3910.140	7588.556	1231.375000
## 18089	3630.595	7667.761	1314.230591
## 1856	3655.449	7305.454	1187.268311
## 6325	3925.936	7648.117	881.357727
## 16742	3533.701	6879.729	581.547668
## 18716	3445.366	6611.208	628.594299
## 16689	3873.314	7527.007	1757.197021
## 17541	3717.537	7120.761	1304.742310
## 1235	3894.356	7601.118	1373.491333
## 15545	3852.766	7570.759	1733.636230
## 22061	3321.785	6549.999	2145.283447
## 11050	3477.108	6726.563	1549.883911
## 22069	3917.889	7564.574	2000.187622
## 13147	3740.080	7248.334	1893.128296
## 14871	3341.799	6614.000	693.397034
## 20249	3296.507	6500.961	210.881088
## 18024	3745.572	7397.942	650.517456
## 18754	3356.415	6392.000	1531.674438
## 9448	3342.297	6589.000	1875.586670
## 4317	3350.428	6522.000	1227.857056
## 5994	3349.088	6429.000	420.302979
## 4491	3378.786	6850.833	1171.474243
## 13143	3478.369	6773.390	1088.368774
## 14348	3849.046	7424.999	1242.678955
## 4311	3691.658	7221.819	1121.186890
## 8220	3371.599	6259.000	1151.508301
## 12902	3567.375	6995.396	1730.197266
## 12558	3622.162	7092.613	575.321594
## 17474	3668.576	7155.884	2489.056396
## 11491	3698.051	7305.000	923.374756
## 12590	3937.552	7721.956	1626.976562
## 2098	3900.499	7629.135	1273.192383
## 5904	3977.329	7561.024	1456.458862
## 4682	3723.528	7060.597	805.093140
## 19685	3763.400	7253.050	1546.937378
## 8516	3416.098	6641.967	760.230286
## 13298	3882.761	7302.762	1220.885254
## 14870	3414.522	6723.333	945.890320
## 5166	3745.260	7395.731	472.030457
## 14661	3259.172	6605.001	489.213593
## 20997	3486.289	6813.283	924.457031
## 15467	3324.582	6552.001	433.123230
## 1087	3499.359	6994.444	1246.901733
## 7057	3660.551	7055.851	2070.598145
## 21340	3636.289	7266.812	216.190338
## 21757	3887.510	7587.757	918.218933
## 8946	3351.727	6452.000	1509.558838

## 17696	3364.485	6614.286	50.610943
## 16888	3310.295	6616.001	1192.178101
## 13394	3662.154	7055.851	1042.002563
## 2318	3796.350	7397.125	1151.646118
## 7459	3511.481	6777.439	401.550476
## 3473	3556.833	6925.678	841.870605
## 7146	3895.749	7430.846	1185.397339
## 8210	3759.557	7517.585	812.489868
## 16781	3737.545	7292.806	1107.773804
## 11909	3518.448	6829.288	697.765869
## 122	3802.052	7444.891	1375.290771
## 16858	3478.693	6621.668	983.037903
## 9854	3671.418	7148.980	1866.663208
## 19832	3473.407	6715.324	785.833557
## 4010	3838.963	7488.962	1374.888062
## 15969	3788.393	7320.887	998.664246
## 16285	3522.526	7076.975	2291.901855
## 3694	3640.240	7099.468	1012.406128
## 20887	3738.758	7255.242	1044.576904
## 16717	3710.259	7174.582	1552.348999
## 3846	3754.162	7367.059	1351.882324
## 9793	3705.786	7311.153	2170.271729
## 7949	3873.178	7213.720	1535.599121
## 6183	3320.486	6573.000	292.829498
## 4220	3789.945	7598.321	2053.312012
## 13436	3842.610	7538.008	1818.365112
## 18183	3325.398	6557.000	357.602081
## 18472	3934.481	7460.935	1421.280762
## 1629	3932.646	7687.808	1308.384155
## 21832	3362.788	6501.001	3469.991943
## 19689	3396.257	6737.501	456.800140
## 21414	3363.014	6487.000	1437.666016
## 5487	3663.649	7163.237	1047.701782
## 15085	3569.239	6768.919	631.913940
## 21330	3340.443	6541.001	1599.466309
## 17822	3668.676	6719.022	1009.363037
## 16256	3636.961	7301.414	2033.085571
## 13795	3687.635	7026.472	1452.736450
## 19242	3803.299	7401.409	1211.342285
## 21781	3823.019	7411.700	1069.502563
## 9682	3663.472	7055.851	1409.664673
## 3258	3761.856	7673.833	1988.649292
## 12068	3807.704	7469.091	876.986084
## 21524	3767.384	7395.241	1314.504028
## 17168	3457.311	6992.144	193.498917
## 16793	3326.120	6611.000	721.701233
## 14507	3560.628	7004.878	378.898041
## 16875	2981.892	6734.822	1.202779
## 6251	3476.829	6807.813	1138.753296
## 3061	3590.738	7114.204	1068.540649
## 4885	3377.702	6797.502	730.296021
## 20966	3365.071	6473.001	1318.107910
## 10398	3563.325	7027.381	909.238953
## 12278	3595.326	7671.805	1115.517944

## 7887	3758.653	7589.373	592.165466
## 3164	3334.695	6610.001	610.318176
## 5301	3812.759	7433.075	1790.639038
## 20768	3909.289	7568.520	1124.994507
## 2175	3863.968	7576.048	902.082947
## 987	3315.317	6575.001	1193.463135
## 1455	3345.177	6491.999	1450.948242
## 19823	3558.264	6822.222	973.430176
## 17731	3358.341	6392.001	2245.043701
## 4510	3842.945	7715.537	1414.931152
## 19328	3906.982	7634.403	1359.060425
## 10629	3644.544	7186.000	1794.958618
## 10871	3307.004	6585.000	1147.893921
## 13108	3297.387	7113.069	527.130249
## 11252	3914.519	7508.231	1237.276489
## 16740	3330.250	6593.269	1026.832397
## 4861	3352.554	6503.000	479.007935
## 11258	3868.937	7281.980	1004.529602
## 16593	3709.433	7286.862	1492.975220
## 21748	3837.395	7572.769	724.669067
## 11362	3516.591	6911.487	1420.468506
## 563	3263.328	7030.556	7.731982
## 12646	3356.579	6342.001	264.911713
## 4041	3666.031	7181.148	1048.755737
## 8839	3414.746	6845.000	180.899002
## 21516	3906.271	7463.622	1494.243164
## 7690	3975.956	7557.437	963.805847
## 16537	3576.698	6990.000	391.184265
## 4765	3363.481	6299.000	306.052643
## 5585	3746.552	7174.631	1234.422607
## 16927	3652.566	7264.624	1226.364380
## 14157	3756.189	7502.632	674.160461
## 4942	3868.593	7594.500	1846.764404
## 3237	3850.269	7523.711	676.457336
## 19944	3772.929	7161.194	840.104553
## 17240	3823.550	7500.180	1149.211548
## 8692	3752.363	7535.877	808.033997
## 21632	3765.271	7265.671	1380.802856
## 12457	3728.512	7408.432	978.721252
## 14445	3366.311	6630.359	547.956787
## 10652	3621.504	7204.892	1185.614014
## 21388	3556.243	6888.195	1487.893677
## 13786	3350.521	6534.000	1133.914185
## 886	3748.934	7407.279	1229.233398
## 8574	3345.692	6633.001	476.279175
## 19667	3792.497	7315.562	1877.125732
## 12527	3341.898	6672.115	2091.411865
## 21253	3680.951	6998.559	1518.127197
## 18756	3723.099	7296.018	1173.574829
## 6341	3174.499	6970.312	1774.760742
## 20051	3571.017	7084.146	1754.417480
## 1954	3327.374	6571.000	675.763977
## 17044	3569.256	7089.633	756.106873
## 6691	3715.861	7110.615	1523.242310

## 1888	3805.216	7542.062	1205.286621
## 8806	3339.181	6559.000	736.899414
## 5467	3665.775	7152.940	1339.007812
## 16296	3809.101	7389.560	982.040344
## 22178	3369.348	6531.001	2261.315918
## 22470	3706.110	7188.306	1238.583740
## 13709	3735.158	7156.896	426.364288
## 6484	3935.954	7606.863	1507.142578
## 2103	3925.278	7658.280	923.290894
## 8888	3814.765	7211.080	1792.993042
## 19871	3907.439	7642.090	1264.698853
## 18367	3310.315	6461.000	783.222717
## 9525	3382.892	6517.309	1449.381592
## 21580	3803.035	7381.648	1813.583252
## 12281	3514.145	7134.445	508.522278
## 652	3364.571	6540.000	1761.718872
## 21603	3347.803	6545.001	1086.174072
## 13030	3349.136	6531.001	543.197937
## 2941	3779.709	7292.764	1324.639038
## 10461	3549.543	7036.183	1750.190186
## 18937	3747.016	7166.935	492.588196
## 18575	3883.671	7536.711	1117.344727
## 8937	3812.599	7521.361	1355.162720
## 9905	3581.622	6912.501	1151.162598
## 18870	3701.016	7244.396	1987.962158
## 17875	3570.377	7045.627	693.693176
## 4379	3328.890	6479.000	1378.783081
## 890	3348.647	6551.000	1210.387817
## 20759	3359.070	6469.000	1249.086426
## 21932	3931.636	7623.600	1296.639648
## 17884	3815.836	7491.089	1811.178467
## 11535	3606.124	6854.070	211.480331
## 15242	3671.449	7159.002	2323.103271
## 12436	3800.682	7540.304	1573.904541
## 20158	3606.288	7077.908	839.515137
## 19247	3896.056	7508.287	632.962646
## 18248	3355.378	6456.001	1200.800537
## 5648	3680.435	7134.649	1113.595581
## 2612	3600.538	7126.110	1072.403320
## 12505	3822.553	7287.744	552.290771
## 8178	3694.462	7209.614	896.103516
## 499	3884.277	7470.229	910.502258
## 8564	3625.058	7086.170	716.577026
## 2347	3345.269	6564.001	990.381226
## 8642	3456.223	6656.668	1373.534302
## 16088	3800.769	7573.664	1316.355469
## 18058	3840.027	7331.294	911.953552
## 1457	3300.708	6586.111	762.343079
## 9355	3360.583	6506.999	1209.830200
## 9036	3746.583	7233.957	1102.793823
## 18614	3148.656	6491.667	183.481918
## 5252	3593.202	7137.502	1683.958008
## 14334	3461.926	6728.228	746.175720
## 12760	3852.899	7686.127	1773.129150

## 7282	3633.289	7081.250	1109.888184
## 4335	3860.709	7571.919	1203.906494
## 10265	3322.637	6613.001	2824.101318
## 11191	3960.596	7427.042	1194.368896
## 5874	3960.328	7608.836	1292.530273
## 15815	3493.627	6716.408	524.350098
## 17896	3566.682	6949.376	913.335022
## 9622	3311.120	6515.000	821.338257
## 20096	3425.056	6650.000	1270.648193
## 16249	3754.640	7692.187	1267.776001
## 12907	3485.763	6803.789	644.920837
## 3547	3829.261	7442.174	1231.252197
## 1603	3907.143	7645.835	1342.822388
## 21662	3681.643	7122.551	1389.603638
## 18600	3878.306	7472.014	403.060150
## 4768	3408.734	6731.251	2027.033936
## 10291	3322.508	6596.000	991.251892
## 12838	3455.455	7080.264	599.523743
## 21146	3369.684	6399.000	872.876404
## 16933	3434.538	6820.969	300.168701
## 90	3881.108	7563.955	915.794067
## 13446	3531.948	6921.528	1145.136475
## 18895	3468.490	6765.323	651.739868
## 3403	3824.925	7583.003	1444.739746
## 13334	3678.153	7084.547	1489.738770
## 19347	3600.686	6800.002	1253.838013
## 12625	3346.588	6544.002	889.257019
## 13562	3457.172	6827.420	1379.056030
## 4224	3801.396	7601.850	1881.223511
## 9237	3667.375	7199.547	885.313538
## 17192	3639.288	7426.580	310.387299
## 6018	3504.740	6730.148	1471.685913
## 20291	3952.636	7606.839	1349.586060
## 20827	3750.403	7230.971	1196.383667
## 1824	3292.892	6453.000	1783.210693
## 14645	3743.842	7391.977	1622.003174
## 14203	3753.872	7422.096	736.591614
## 9483	3738.508	7222.178	1558.616211
## 9965	3383.891	6559.261	1398.884277
## 18339	3852.060	7617.892	668.801697
## 7933	3494.968	6498.388	1033.489746
## 17480	3664.917	7060.939	1824.562622
## 10760	3334.367	6391.000	255.458023
## 18508	3830.577	7144.479	1405.178223
## 214	3634.863	6864.205	533.570557
## 19540	3921.388	7513.271	1263.286133
## 5592	3452.385	6666.027	380.761353
## 18525	3711.278	7255.953	1445.480591
## 9727	3718.950	7166.964	1392.307495
## 9433	3873.187	7780.851	1502.068726
## 5941	3013.404	6280.000	100.537605
## 8548	3328.599	6624.000	1755.133423
## 1316	3836.046	7561.296	1114.120239
## 14067	3125.889	6617.000	15.422466

## 10032	3349.305	6384.000	927.386108
## 9732	3688.775	7221.228	1667.097656
## 17905	3894.968	7541.519	1483.065918
## 21929	3951.741	7544.220	1616.568848
## 2958	3527.184	6869.595	1246.359253
## 22357	3927.324	7492.180	1722.195312
## 5289	3316.135	6599.001	736.213867
## 20627	3419.959	6509.259	1339.637207
## 3223	3897.070	7628.606	1815.134521
## 7503	3616.788	6857.927	1641.294312
## 6724	3628.921	7245.000	1422.993652
## 3972	3817.210	7489.754	1009.222778
## 18655	3316.521	6609.001	1269.859131
## 3778	3811.214	7458.681	1354.494385
## 14616	3738.406	7399.206	2460.274414
## 9697	3357.001	6527.000	1239.856812
## 13399	3446.782	6499.108	901.921204
## 8803	3576.749	7016.250	1313.072632
## 627	3534.990	7005.264	1059.160767
## 5152	3294.694	6611.001	247.577713
## 7303	3916.753	7646.809	714.918823
## 14327	3328.158	6554.999	1342.302368
## 21903	3657.557	7083.333	847.611511
## 18581	3811.820	7262.797	1366.323975
## 9202	3708.108	7283.065	1476.149902
## 19341	3566.134	6857.052	905.698730
## 8029	3360.860	6393.000	1348.262329
## 16313	3911.469	7600.111	1248.683838
## 8095	3779.144	7611.750	1073.562378
## 5122	3967.901	7520.178	1925.495239
## 20285	3745.653	7169.230	1551.506226
## 8133	3336.394	6611.000	994.573364
## 18986	3916.307	7595.189	1412.547852
## 12267	3602.672	7051.067	2213.029785
## 7283	3440.731	6680.833	740.383789
## 22273	3761.354	7449.305	794.464661
## 8553	3325.984	6536.999	1899.201050
## 7222	3440.973	6567.742	627.875366
## 14123	3757.218	7383.220	1530.845581
## 15494	3596.065	7142.780	803.130005
## 2025	3747.372	7417.186	1230.608154
## 8387	3553.928	7056.708	999.714355
## 13420	3502.958	6739.845	1278.852539
## 19421	3763.849	7446.649	1217.691772
## 3628	3714.161	7323.078	1884.765381
## 9729	3510.557	6821.212	715.654358
## 1491	3716.470	7216.667	523.695374
## 15935	3481.434	6898.531	602.711609
## 6064	3986.075	7550.313	1537.775513
## 875	3456.378	6811.765	1241.190796
## 6440	3708.228	7033.188	1247.270142
## 6193	3485.716	6852.208	823.227783
## 14416	3920.652	7554.033	978.637390
## 8538	3340.197	6456.000	444.953461

## 4995	3523.888	7019.596	758.239929
## 4990	3839.536	7622.708	1062.121826
## 14427	3890.729	7643.881	1422.783081
## 17809	3939.941	7647.301	1306.353027
## 10651	3935.791	7677.018	1285.871948
## 7208	3941.898	7543.247	976.115784
## 22396	3452.671	6581.453	3339.413574
## 17488	3672.354	7207.842	2204.629883
## 14247	3740.050	7439.537	1066.581665
## 6882	2570.543	7324.999	317.382538
## 8656	3556.738	6914.745	1176.705688
## 16658	3244.051	6642.000	716.433411
## 4217	3811.294	7738.122	1449.640137
## 14602	3823.643	7391.510	1574.665527
## 19895	3224.459	6540.000	27.186064
## 5811	3521.766	6881.431	971.833679
## 13338	3900.732	7546.981	1393.905640
## 9696	3562.141	6804.861	1124.658936
## 15386	3490.105	6428.227	1152.248535
## 7843	3338.698	6557.000	1112.080444
## 8340	3601.892	7249.297	366.905212
## 16936	3829.731	7605.727	1274.897583
## 10454	3422.652	6770.691	1226.522583
## 10958	3819.347	7344.519	1216.388916
## 17928	3540.327	6784.029	1199.409668
## 10484	3881.695	7386.259	1710.933838
## 6769	3694.815	7140.948	1701.700073
## 17414	3725.600	7249.620	1471.064209
## 12250	3375.481	6628.847	1664.085205
## 5884	3974.521	7589.670	1756.327026
## 12015	3470.411	6780.625	537.180054
## 17454	3720.356	7459.479	1185.673706
## 19665	3796.388	7295.122	1424.926514
## 16923	3852.242	7553.188	896.658081
## 11455	3346.382	6214.999	630.253052
## 10245	3725.566	7235.485	1570.490967
## 7442	3692.227	7180.000	316.530762
## 13088	3944.656	7664.996	1022.575684
## 17618	3469.891	7055.768	361.500977
## 7831	3614.210	6853.048	1241.526001
## 758	3497.964	6857.143	839.428467
## 6785	3616.234	6854.763	992.185425
## 18537	3641.653	6677.977	1249.507812
## 21742	3916.973	7679.020	1112.227905
## 3274	3713.869	7705.851	1533.443604
## 15148	3776.074	7325.951	1800.406128
## 19956	3538.352	6738.973	834.863586
## 14110	3642.650	7061.058	613.183228
## 13873	3341.471	6511.001	1138.403320
## 14467	3139.398	6672.000	438.737793
## 795	3796.685	7427.631	3238.067383
## 11623	3774.470	7258.224	832.751892
## 15324	3802.751	7196.282	2124.855469
## 12268	3300.206	6632.144	512.394592

## 16000	3820.117	7501.904	542.195312
## 14541	2524.656	6721.430	0.130372
## 880	3646.814	7051.111	1717.491455
## 12878	3482.138	6839.063	1176.373413
## 16982	3781.414	7446.804	1573.848511
## 22356	3949.433	7564.561	1579.243774
## 6525	3468.531	6776.614	1054.769897
## 14573	3778.538	7381.062	1089.336182
## 7471	3605.018	6957.318	1920.651123
## 17907	3792.383	7267.617	1582.141113
## 12155	3335.300	6633.001	747.709167
## 6351	3350.445	6498.000	617.500122
## 21946	3881.576	7450.299	1525.423706
## 53	3794.367	7325.881	938.446716
## 450	3745.807	7504.787	569.489380
## 4893	3687.044	7215.458	1036.982300
## 19029	3523.033	6815.441	765.323608
## 19564	3535.785	7638.538	940.880493
## 22129	3696.499	7349.665	1031.526855
## 9641	3469.581	6802.345	2040.102783
## 6632	3307.140	6603.000	144.811859
## 4533	3364.802	6486.001	953.648804
## 11814	3392.481	6518.270	1187.411255
## 22048	3483.363	6802.276	263.331207
## 7661	3682.118	7276.636	135.093307
## 9233	3819.657	7440.519	1018.969604
## 22199	3811.120	7149.194	1238.993652
## 4093	3300.576	6555.000	1322.552246
## 15868	3907.125	7604.218	1141.709961
## 7787	3360.803	6580.769	328.583466
## 9608	3636.997	7066.306	2563.833740
## 3456	3437.823	6735.484	1147.889893
## 22023	3724.053	7232.142	1223.191650
## 17104	3515.453	6988.159	1239.224243
## 3352	3678.380	7175.982	1086.827271
## 17326	3570.562	7070.122	749.328125
## 18989	3731.680	7252.175	1252.034302
## 22243	3580.703	7144.049	1079.056274
## 17749	3940.595	7482.392	1732.594238
## 11710	3812.105	7246.471	1503.571655
## 20486	3705.656	7021.296	1765.979492
## 15257	3922.898	7453.979	1502.253418
## 8601	3606.025	6917.072	1349.924805
## 1332	3616.550	7277.823	1331.412598
## 10419	3590.825	7089.635	596.641357
## 10316	3350.509	6535.000	1361.809570
## 5318	3611.873	7212.947	495.808685
## 11350	3657.106	7501.495	954.371033
## 2400	3877.422	7651.120	1487.366333
## 18383	3461.056	6816.913	699.207947
## 3665	3595.531	7215.818	1143.604736
## 6287	3887.376	7541.747	1495.753662
## 17528	3898.341	7664.040	1060.254395
## 7421	3393.457	6661.112	928.539001

## 11167	3621.350	6971.512	1933.811890
## 6524	2733.862	6677.000	10.615891
## 13470	3578.383	6872.371	965.838684
## 5661	3696.339	7506.297	306.670715
## 9512	3557.832	6718.572	1693.481079
## 16258	3315.196	7050.001	31.877804
## 12215	3870.537	7375.763	2125.885986
## 18984	3846.884	7451.296	1114.311401
## 19227	3374.204	6407.000	1143.670776
## 3468	3752.590	7331.167	543.092407
## 19712	3756.211	7231.339	1669.514160
## 3799	3654.494	7270.070	922.932434
## 13924	3674.003	7083.165	1634.635498
## 14755	3433.438	6672.414	142.943695
## 8667	3600.506	6876.873	2020.478027
## 6017	3286.282	6635.486	1238.168579
## 19788	3564.792	7303.750	455.463196
## 12568	3276.065	6624.002	1197.311279
## 22109	3612.026	7033.333	1713.116211
## 2317	3202.729	6344.000	870.653564
## 14548	3590.323	6983.537	1122.886475
## 843	3597.256	7179.445	1607.765503
## 3340	3348.231	6459.000	796.557983
## 2995	3896.351	7500.768	1237.637817
## 13978	3832.574	7352.670	1242.184814
## 19816	3368.337	6400.001	428.259583
## 15174	3687.833	7360.143	962.399292
## 15298	3740.547	7270.069	1478.670532
## 4924	3903.302	7543.364	1437.788574
## 14144	3796.385	7407.351	1202.906860
## 3178	3760.931	7412.326	1114.013062
## 19604	3340.865	6659.259	91.492523
## 18463	3920.487	7490.336	1412.352905
## 16625	3771.274	7433.442	1506.580322
## 17894	3341.160	6493.000	1727.354370
## 9867	3771.885	7213.807	1977.315308
## 13331	3932.814	7558.517	1003.386047
## 21273	3557.262	6910.136	1113.884521
## 2591	3900.351	7610.219	1149.230591
## 21259	3820.442	7075.000	2264.900146
## 14965	3329.629	6597.000	1227.504028
## 10339	3646.967	7170.500	1243.117676
## 5461	3602.456	7343.335	446.653351
## 10226	3281.150	6617.593	1231.902954
## 8485	3591.021	6867.683	1881.336914
## 20902	3763.424	7327.846	976.161499
## 13206	3844.951	7581.233	1498.875977
## 5248	3581.108	7051.284	480.253418
## 12117	3527.661	6547.857	1304.915894
## 16416	3532.850	7232.291	392.178345
## 5408	3901.672	7559.167	1621.074219
## 3883	3367.007	6550.001	994.107361
## 19720	3639.562	7070.556	1425.333618
## 14956	3888.533	7448.296	1296.314941

## 16710	3598.027	7148.835	828.862854
## 20321	3900.120	7548.611	1249.160767
## 3946	3674.724	7270.452	1515.293213
## 21228	3913.503	7674.180	1387.703491
## 3580	3908.921	7677.776	1604.059326
## 1040	3611.330	7120.982	1674.298462
## 8011	3924.361	7485.160	1716.056152
## 12213	3559.917	7121.279	359.901917
## 20543	3926.844	7565.136	1144.916260
## 1327	3529.016	6913.889	1098.170044
## 12946	3762.673	7481.324	1557.090332
## 16512	3742.535	7576.716	1090.706787
## 14143	3356.164	6448.001	898.025208
## 8801	3425.904	6809.030	415.917786
## 2977	3773.014	7300.854	914.890747
## 6262	3814.440	7459.636	1936.243652
## 11057	3438.870	6665.002	1089.899292
## 14891	3432.996	6831.668	1888.282227
## 16994	3256.413	6638.001	733.737244
## 12600	3618.823	7093.479	863.398682
## 11298	3709.710	7205.264	535.125427
## 21473	3351.591	6470.000	1652.192261
## 5639	3912.636	7564.312	1436.113281
## 19877	3911.344	7636.191	1263.780396
## 17115	3371.195	6460.578	125.701859
## 3131	3505.607	6846.971	991.978882
## 12331	3845.824	7440.991	1366.475464
## 18281	3570.556	6856.756	1486.037842
## 530	3612.903	7094.188	1096.668823
## 4548	3517.765	7119.999	1737.697388
## 7258	3719.117	7070.909	1408.723999
## 6161	3542.327	6890.973	2022.473755
## 13973	3349.186	6493.000	844.594116
## 8349	3265.719	6598.000	183.433838
## 7449	3336.086	6577.000	361.622894
## 3102	3814.233	7516.992	1355.551758
## 10869	3380.785	6646.297	414.507294
## 8610	3787.104	7378.315	878.386536
## 12466	3505.993	6992.571	1096.391235
## 15416	3306.969	6614.999	1649.137085
## 6209	3335.695	6581.001	385.525024
## 790	3663.216	7097.450	1208.508789
## 21189	3800.060	7217.312	1042.417969
## 2270	3683.675	7223.586	1170.298218
## 17967	3357.990	6431.000	1117.517944
## 18309	3272.891	6454.001	2157.845703
## 585	3374.742	6594.230	909.743591
## 20205	3656.286	6885.105	736.259766
## 21235	3755.837	7577.585	527.403137
## 16663	3783.125	7347.128	1150.777344
## 3953	3289.699	6624.000	1071.577026
## 17221	3694.125	7230.224	1157.265137
## 14376	3522.852	6854.414	1225.034912
## 7378	3361.543	6442.000	1246.955200

## 16522	3697.734	7177.194	1411.338745
## 10717	3652.394	7108.164	1029.906738
## 10231	3323.969	6528.000	509.358490
## 11245	3914.787	7560.557	1436.525146
## 15511	3390.815	6480.771	2735.798828
## 15623	3389.602	6838.334	1200.603027
## 8321	3324.088	6640.384	752.193359
## 15527	3753.402	7388.000	1716.438599
## 3804	3450.554	6930.406	1132.950439
## 10970	3838.062	7304.610	1327.524536
## 2472	3819.768	7472.604	653.725952
## 19729	3346.834	6508.000	1964.734863
## 1953	3914.711	7696.867	643.711243
## 3358	3778.397	7509.833	669.465332
## 15131	3327.144	6578.000	889.587708
## 2638	3789.967	7442.585	1608.409180
## 14498	3574.468	6859.870	409.749084
## 13666	3339.168	6554.000	1563.703613
## 955	3144.643	6652.000	1764.500732
## 21960	3451.442	6602.501	1187.729736
## 15220	3487.538	6750.001	312.373932
## 744	3684.150	7307.456	640.744019
## 17774	3090.785	6680.000	321.078430
## 20904	3812.523	7380.752	1207.963867
## 18627	3948.362	7558.333	1483.687134
## 1174	3327.215	6347.000	43.067459
## 11752	3933.849	7513.036	1403.228394
## 2783	3730.309	7363.143	1595.734131
## 17219	3769.090	7384.342	1400.410889
## 12173	3355.413	6408.000	615.745483
## 8131	3489.228	6814.845	910.021667
## 11812	3450.853	6680.174	894.543091
## 5672	3905.223	7691.481	506.070068
## 12755	3888.334	7617.898	752.119202
## 16165	3366.903	6653.572	897.379333
## 8092	3525.417	7164.636	1089.250244
## 256	3821.093	7602.501	1671.232544
## 15100	3479.911	6702.420	2704.549316
## 18706	3742.832	7240.727	845.981750
## 16117	3450.454	6984.781	18.350536
## 13907	3515.867	6862.502	1176.566040
## 5414	3477.174	6712.904	954.599243
## 7549	3347.734	6484.001	1385.497314
## 4805	3308.818	6641.000	1151.462524
## 15996	3780.654	7221.334	1066.290894
## 11573	3784.305	7371.709	1067.813232
## 12999	3365.519	6446.000	1131.862183
## 20463	3912.438	7562.193	1526.493652
## 4100	3560.125	6990.541	1229.463379
## 395	3596.654	7116.112	149.605301
## 11626	3352.952	6391.000	619.004822
## 9431	3919.112	7748.800	1435.557739
## 2135	3729.853	7292.857	1254.906616
## 13796	3478.577	6721.776	1329.529541

## 2284	3337.579	6593.000	944.001648
## 18769	3896.379	7277.158	2234.746094
## 7901	3740.175	7310.759	1268.984253
## 8994	3717.547	7189.583	1153.559326
## 9384	3450.819	6965.442	275.450928
## 20255	3604.979	7034.444	473.078430
## 18786	3370.097	6390.000	1572.997681
## 17442	3527.369	6998.810	1458.236694
## 12698	3349.047	6548.001	444.622559
## 6759	3837.940	7627.617	488.858429
## 21706	3705.881	7003.705	1276.610107
## 20144	3360.224	6419.000	1379.065674
## 3314	3531.891	6852.084	929.474243
## 20251	3571.866	6949.391	325.014618
## 18774	3371.512	6309.000	1082.218994
## 17593	3752.608	7379.268	1496.762817
## 2615	3688.111	7355.417	772.295166
## 19189	3673.917	7106.001	1129.350586
## 20232	3734.270	7367.002	406.832245
## 9094	3361.187	6498.001	901.915771
## 17043	3349.716	6677.885	1426.190918
## 11465	3639.258	6906.110	957.372681
## 1484	3744.238	7384.934	1287.125000
## 2085	3775.459	7493.367	1140.168335
## 21158	3890.834	7580.886	1009.225769
## 2469	3898.481	7552.024	1317.277100
## 16562	3688.134	7289.845	1099.228271
## 16504	3552.051	7163.888	458.003174
## 14457	3823.614	7497.808	1624.621216
## 6085	3545.700	7187.264	318.323761
## 18044	3605.012	7146.810	809.456970
## 12176	3862.066	7498.693	433.478302
## 1833	3357.657	6402.000	485.274261
## 13761	3827.756	7438.801	1192.381104
## 22197	3695.782	6914.913	903.012939
## 22352	3519.553	6950.000	1396.835449
## 16922	3297.570	6527.000	1006.386108
## 18949	3638.822	7071.811	793.370972
## 1547	3565.580	6938.462	1209.151611
## 12460	3194.534	6448.000	46.848492
## 10788	3900.228	7618.675	368.422363
## 5459	3421.356	6770.834	461.851105
## 1780	3932.185	7622.018	1239.100830
## 4854	3355.387	6437.002	929.007446
## 11883	3543.318	6858.573	2073.419189
## 3253	3753.193	7562.976	1747.950928
## 9858	3454.633	6681.036	1444.075195
## 3733	3374.121	6675.000	1027.960205
## 16225	3454.189	7065.477	550.425598
## 16001	3825.363	7159.750	650.899414
## 5636	3930.046	7532.345	1424.266846
## 4718	3617.969	7320.456	2121.349365
## 13270	3951.386	7637.594	1538.207031
## 850	3446.925	6871.969	1166.763306

## 15441	3421.815	6749.139	1440.166504
## 11698	3711.956	7298.275	1458.076538
## 21571	3823.604	7515.081	1216.824097
## 3512	3899.774	7672.615	1372.208130
## 13824	3745.621	7175.404	1113.587158
## 2240	3662.255	7077.041	1013.155701
## 1976	3272.896	6437.000	864.535522
## 15269	3438.758	6914.743	911.348267
## 16698	3858.728	7409.820	1361.579956
## 8085	3814.210	7377.235	1387.619385
## 12322	3391.347	6786.208	190.882919
## 17110	3829.402	7667.155	1765.163940
## 22293	3547.366	6982.432	1019.209778
## 16521	3625.417	7240.001	1247.891724
## 1017	3740.257	7043.534	775.142151
## 4853	3646.083	7138.462	1147.195923
## 5511	3756.282	7368.921	1717.948730
## 19884	3856.241	7564.209	1341.689331
## 11254	3843.968	7234.250	1510.575195
## 15362	3533.013	6652.208	1743.904785
## 9198	3899.581	7704.774	1024.490356
## 4359	3875.536	7569.209	1015.710083
## 15750	3318.170	6479.000	943.328552
## 20609	3758.688	7275.001	1299.851929
## 9754	3849.342	7561.908	667.033630
## 21684	3855.000	7256.500	1316.206421
## 13078	3932.558	7620.590	1395.592773
## 18314	3349.345	6535.000	2197.943115
## 1238	2966.777	6552.000	406.641113
## 21629	3669.571	7047.874	1388.581421
## 12549	3617.623	7139.129	1131.268433
## 1427	3583.900	6995.626	724.487976
## 3051	3799.150	7573.982	2422.386475
## 10980	3910.461	7490.360	1600.036743
## 16890	3346.045	6570.999	1522.794312
## 8457	3753.842	7341.665	1870.121216
## 9277	3713.421	7345.146	1156.990967
## 1440	3902.710	7620.089	1854.123901
## 7588	3907.195	7455.137	1409.731201
## 17963	3897.990	7681.905	838.506653
## 14957	3593.589	7158.796	1246.675293
## 12147	3367.047	6412.000	1147.702148
## 19258	3967.443	7566.532	1366.384521
## 1534	3929.871	7685.070	1500.072144
## 3994	3837.571	7478.917	1515.847046
## 155	3825.058	7343.885	1076.701294
## 6062	3972.976	7592.581	1538.934448
## 15228	3419.937	6573.277	780.669189
## 7014	3602.336	7595.847	1553.241943
## 966	3321.859	6651.000	1225.322754
## 15440	3326.548	6606.000	1336.958130
## 5698	3936.987	7670.952	883.351562
## 12364	3612.515	7059.895	675.211853
## 11339	3551.124	7070.121	646.821106

## 6984	3678.424	7298.104	879.790039
## 8808	3419.021	6676.726	325.826294
## 16613	2699.210	7119.318	173.052338
## 21713	3630.428	7098.938	875.042419
## 15662	3467.629	6918.590	275.673462
## 20744	3423.927	6542.856	1582.914551
## 20393	3949.932	7574.412	1386.422974
## 13036	3289.358	6664.000	783.356628
## 13055	3814.867	7378.002	1055.093994
## 15605	3618.695	7145.555	1580.400269
## 9752	3884.760	7453.279	578.770142
## 996	3913.948	7671.058	1176.057739
## 15019	3320.610	6583.002	943.111755
## 20111	3414.594	6525.925	1147.973877
## 13515	3616.980	6980.233	410.671173
## 1039	3791.606	7385.794	1399.428223
## 9342	3856.694	7512.711	1300.642090
## 4444	3420.364	6742.243	1198.819580
## 20184	3753.817	7014.680	2420.307861
## 11353	3357.443	6638.794	1178.105225
## 16753	3431.316	6650.863	372.849274
## 16637	3829.400	7534.813	1209.599243
## 10163	3370.025	6554.808	1039.798706
## 13897	3654.909	7231.898	249.719742
## 7181	3479.947	6909.092	1284.128174
## 14502	3802.864	7372.250	274.814453
## 19986	3896.052	7675.308	896.867310
## 12738	3075.886	6542.001	940.212708
## 4084	3350.798	6543.000	778.924622
## 9508	3645.244	6964.773	673.337463
## 2253	3484.367	6803.908	1159.028198
## 8228	3344.685	6524.000	1619.649780
## 16214	2358.960	7572.530	968.253723
## 12000	3712.481	7232.628	1093.946045
## 16288	3315.770	6642.000	965.340149
## 22279	3635.228	7190.306	642.142212
## 895	3775.822	7586.781	1251.848022
## 12388	3586.675	7166.146	1583.074463
## 6505	3914.243	7631.537	1905.016113
## 3510	3777.811	7501.542	1266.531860
## 8826	3347.589	6548.000	476.626526
## 18899	3350.993	6440.001	838.204895
## 10875	3346.062	6419.000	545.859253
## 18064	3347.605	6553.001	932.451050
## 20564	3591.123	7057.317	2213.622070
## 8221	3371.209	6315.000	1264.857422
## 7519	3622.434	7124.458	1204.769165
## 15338	3325.119	6590.001	353.791138
## 19118	3514.256	6971.530	1120.874878
## 14561	3757.317	7280.768	1533.846924
## 6114	3587.876	7100.624	1063.955200
## 15285	3498.496	6775.760	1422.346802
## 2609	3734.313	7427.704	1505.227295
## 9105	3366.449	6516.000	1202.709473

## 21464	3580.477	6978.657	950.980042
## 2356	3359.958	6605.001	2254.284180
## 1229	3796.689	7388.690	1059.487671
## 14285	3827.018	7437.934	1176.950439
## 1521	3864.589	7607.648	1402.630737
## 14612	3734.460	7202.206	1541.992920
## 19881	3911.848	7481.317	799.656616
## 452	3756.148	7411.710	1367.471924
## 8685	3635.023	7056.667	1626.114746
## 5416	3761.810	7200.354	1332.913940
## 21945	3946.925	7636.637	1399.929688
## 16427	3478.061	6459.167	186.913300
## 11576	3376.076	6753.450	366.856934
## 5307	3364.759	6618.269	1449.558960
## 14783	3402.281	6905.471	1351.974976
## 11893	3336.624	6489.001	277.631744
## 15232	3477.560	6738.280	723.635132
## 6267	3829.115	7489.681	1809.196167
## 6591	3910.399	7683.022	792.518921
## 10635	3672.855	7097.001	1780.821411
## 8777	3349.388	6652.884	553.155823
## 11813	3641.954	7132.609	1041.808228
## 11128	3948.739	7501.738	1432.460693
## 9524	3370.281	6425.000	1417.336304
## 20922	3785.685	7444.415	1716.602295
## 13878	3353.961	6511.001	1554.212158
## 5376	3801.637	7306.180	580.948425
## 8363	3428.111	6896.324	93.556213
## 14883	3847.795	7681.859	1503.868530
## 18673	3305.640	6603.001	698.009216
## 9758	3471.911	6703.787	940.123291
## 5914	3784.894	7532.692	916.006592
## 5124	3976.975	7495.728	1778.226318
## 8879	3811.931	7394.643	1450.350708
## 2738	3356.455	6499.040	977.065735
## 5569	3959.082	7667.946	1388.743530
## 21502	3817.075	7271.740	1155.864258
## 14782	3320.309	6621.000	1248.840210
## 899	3924.906	7566.611	1274.225708
## 5131	3791.319	7509.489	322.412323
## 5849	3968.066	7606.536	1594.872437
## 16931	3715.971	7369.618	821.317810
## 12328	3678.531	7215.097	1101.070312
## 13921	3843.756	7474.035	1472.553467
## 9596	3690.063	7264.546	2915.520996
## 8873	3795.383	7610.024	1285.084229
## 368	3508.086	6850.002	781.067993
## 164	3526.167	6867.857	655.471558
## 2373	3756.194	7411.251	1488.120239
## 17764	3906.653	7527.659	1840.684570
## 10120	3710.403	7191.102	1544.969116
## 11021	3133.259	6443.000	103.271301
## 1034	3350.412	6475.000	1314.360107
## 13625	3386.234	6493.270	1301.148315

## 280	3266.594	6646.000	864.545044
## 325	3570.870	6769.446	1545.087769
## 13949	3538.893	6794.855	445.946167
## 22033	3578.132	7009.896	509.964203
## 16097	3590.124	7094.318	980.812988
## 7925	3347.357	6287.000	713.652344
## 16244	3795.203	7526.846	1161.300171
## 21678	3371.769	6486.000	944.042908
## 7897	3813.098	7496.554	923.099548
## 5603	3689.662	7341.427	1178.307739
## 12315	3294.860	6623.000	770.164368
## 12118	3351.247	6382.000	3306.465332
## 4940	3339.325	6553.002	1665.336304
## 13392	3621.624	6859.147	1026.679810
## 20338	3789.903	7112.659	1139.929810
## 17265	3844.434	7676.878	538.561584
## 2077	3703.299	7422.102	1271.610474
## 5945	3446.510	6650.000	122.596832
## 12319	3576.815	7188.333	773.317993
## 10816	3626.047	7000.000	687.217041
## 10854	3343.681	6627.886	1148.153320
## 17333	3381.204	6649.040	1473.974609
## 22372	3931.015	7514.993	1485.470093
## 13963	3353.875	6477.000	968.060547
## 20704	3939.829	7392.800	1996.280518
## 20125	3636.743	7013.068	1324.360474
## 1364	3853.100	7486.285	1403.477661
## 1867	3642.208	7020.555	915.416809
## 22282	3861.344	7464.815	616.275208
## 6884	3945.769	7556.946	658.178162
## 15693	3651.329	7213.727	391.561401
## 15237	3496.107	6821.097	1339.050659
## 16139	3329.534	6552.000	1335.409302
## 33	3820.444	7459.739	1078.052979
## 20210	3869.470	7460.189	1448.940308
## 22335	3311.102	6636.541	1231.485962
## 14004	3897.525	7616.952	1030.344116
## 21298	2872.202	6543.000	141.829071
## 22168	3631.889	7090.425	1253.491333
## 16433	3724.790	7166.250	1791.537354
## 18416	3627.001	6993.025	918.520996
## 19171	3570.659	6942.683	423.962646
## 4388	3346.915	6479.000	2011.306152
## 2797	3904.602	7693.445	1541.065674
## 3638	3872.898	7530.571	1417.842651
## 8121	3793.025	7398.301	1006.311829
## 467	3378.061	7526.596	650.693970
## 4096	3450.485	6763.710	648.462280
## 2933	3818.426	7640.940	1072.848267
## 20879	3480.223	6712.902	1242.090332
## 2097	3941.638	7688.538	1290.087891
## 11748	3912.369	7476.613	1646.931396
## 17785	3330.710	6530.001	922.800049
## 19695	3782.115	7321.875	620.261902

## 21522	3494.008	6728.033	1614.116577
## 3983	3946.420	7715.913	1489.931641
## 6451	3380.931	6503.846	1059.829712
## 1529	3891.562	7672.986	1700.256348
## 4624	3713.626	7234.764	1248.786255
## 634	3810.540	7394.943	1007.925842
## 11263	3707.591	6898.079	1455.089355
## 1002	3828.470	7508.272	1155.190308
## 1239	3672.820	7402.544	1235.488037
## 1473	3827.985	7597.792	1237.455444
## 6692	3322.120	6335.000	1415.962158
## 18207	3742.688	7431.752	296.346375
## 15604	3755.009	7372.261	1139.128174
## 20876	3545.680	6895.140	1152.597168
## 21542	3653.033	7169.091	1235.516724
## 14949	3899.828	7650.921	1059.833496
## 9140	3585.804	7265.417	1787.998901
## 945	3344.891	6629.999	3345.310059
## 3219	3327.617	6440.000	801.552429
## 19432	3701.875	7139.545	1362.191772
## 3518	3533.340	6963.816	620.263855
## 553	3473.642	6890.440	736.443909
## 5529	3319.766	6653.847	211.150940
## 18275	3794.611	7223.904	1416.269287
## 15182	3818.697	7649.626	1890.290283
## 4826	3806.604	7554.208	756.949219
## 4361	3868.774	7533.634	1086.505981
## 3193	3613.238	7262.707	921.465393
## 13758	3832.140	7413.235	1217.140747
## 19051	3765.479	7222.387	895.800476
## 10550	3786.198	7435.419	841.251404
## 22490	3340.752	6589.001	2070.797607
## 16035	3456.525	6527.586	1386.149902
## 8385	3612.219	7196.079	1259.884155
## 1306	3442.571	6846.094	930.696228
## 14931	3749.645	7319.778	725.836670
## 11552	3506.563	6920.589	781.676086
## 18063	3815.750	7418.368	1189.677002
## 15630	3505.427	6972.222	404.620850
## 17953	3808.004	7318.684	1146.720947
## 18822	3646.935	7047.000	927.807007
## 4541	3817.541	7553.542	1460.488525
## 10506	3469.561	7141.465	350.075714
## 6679	3880.983	7395.506	1439.133789
## 6008	3317.895	6559.001	742.764343
## 13080	3350.414	6487.000	1390.342285
## 16434	3780.621	7279.111	1940.441772
## 9918	3828.458	7415.759	1616.714478
## 16639	3444.699	6644.831	1857.385498
## 241	3794.885	7336.471	1009.849060
## 17034	3210.615	7005.406	147.028366
## 9807	3848.757	7537.230	1095.390015
## 16634	3318.831	6609.000	917.120483
## 2751	3837.106	7585.336	1104.356812

## 12327	3343.612	6515.000	462.960571
## 17329	3353.787	6562.001	1336.073730
## 20981	3770.958	7206.718	487.258301
## 4090	3436.704	6643.752	1239.060303
## 12312	3375.793	6839.655	843.372803
## 11680	3654.010	7174.242	809.811218
## 3958	3507.144	6633.595	1760.784180
## 6605	3766.861	7290.973	2152.337891
## 19035	3584.322	6901.317	1236.700928
## 14072	3303.170	6508.000	1133.735840
## 13011	3838.452	7439.910	1127.343506
## 12765	3721.697	7365.000	1304.166626
## 10085	3964.314	7463.532	1373.799927
## 13805	3430.439	6658.930	1381.692383
## 815	3940.172	7649.446	1076.462402
## 6566	3470.346	7092.499	390.550873
## 14339	3643.594	7113.587	1147.720215
## 13299	3951.512	7582.565	1675.784912
## 21402	3688.221	7128.431	1728.406006
## 993	3795.165	7404.741	1212.006958
## 8082	3930.041	7523.696	1487.111450
## 21442	3879.237	7341.603	1637.681274
## 7227	3471.801	6842.307	529.346375
## 7685	3926.834	7683.664	984.152039
## 329	3666.290	7079.787	1484.602295
## 830	3900.347	7772.280	1495.696289
## 19775	3688.974	7310.774	463.970184
## 4689	3806.926	7491.407	1533.432495
## 15627	3514.965	7315.415	757.548096
## 2556	3928.913	7675.519	1163.796143
## 12274	3742.223	7560.469	1157.456177
## 4612	3326.697	6490.000	778.376282
## 21027	3807.727	7475.760	1582.848999
## 10148	3748.806	7271.831	1694.380615
## 20693	3365.287	6366.000	904.526367
## 5728	3784.484	7538.305	1109.244995
## 18461	3584.595	6964.894	683.441467
## 5156	3427.363	6668.333	261.982086
## 12866	3644.772	7098.982	2342.253662
## 422	3540.951	6930.264	207.075516
## 5068	3474.823	6946.213	875.405518
## 5259	3470.333	6750.000	1641.195068
## 7454	3384.040	6614.816	443.302917
## 1591	3899.828	7647.111	1001.359680
## 8947	3657.066	7104.592	1497.030273
## 11457	3359.304	6295.000	844.130798
## 10	3853.648	7461.855	728.807373
## 12383	3787.324	7316.875	1504.144775
## 18376	3600.116	7299.537	317.013489
## 3515	3805.036	7567.045	1171.409302
## 1992	3801.388	7346.395	1873.146973
## 17733	3540.408	7000.660	1006.531250
## 12540	3899.879	7470.968	1090.669922
## 17218	3917.203	7612.729	1578.051880

## 20336	3876.957	7508.057	1146.019409
## 18579	3738.251	7349.384	593.199768
## 13456	3781.107	7348.172	1286.071899
## 1638	3801.659	7505.282	763.081726
## 19299	3287.208	6636.001	297.790161
## 2774	3802.861	7666.059	1339.402344
## 6890	3894.640	7524.727	1666.138794
## 22408	3319.206	6566.346	739.275513
## 13273	3941.620	7545.070	1563.113647
## 5545	3816.176	7418.488	2189.283936
## 10783	3393.040	6562.037	1030.957886
## 6563	3564.878	7169.319	675.647583
## 16450	3602.299	7015.000	528.109619
## 10186	3361.079	6469.000	898.442566
## 16137	3334.101	6379.000	499.626740
## 8274	3307.441	6562.001	105.737740
## 5037	3334.060	6410.999	1035.754028
## 18481	3252.547	6418.000	553.245422
## 4824	3578.389	7370.000	636.325989
## 16460	3756.434	7228.077	1489.081421
## 2856	3337.444	6532.000	742.354553
## 21591	3489.743	6859.092	1770.417236
## 5793	3415.811	6486.111	687.221985
## 16311	3766.765	7363.312	966.668030
## 9398	3815.725	7474.598	850.958130
## 1215	3863.398	7564.552	1163.956787
## 7653	3751.409	7466.222	711.594604
## 12774	3615.874	7255.501	1854.630981
## 10445	3347.304	6251.000	1445.065796
## 19410	3544.854	6920.947	2694.065430
## 17434	3906.310	7643.630	840.142334
## 16997	3448.884	7020.929	281.166595
## 10138	3896.158	7660.785	1975.814575
## 6419	3711.586	7600.432	379.860626
## 15302	3847.213	7472.264	855.530701
## 2316	3563.175	6808.975	1374.610474
## 6457	3474.555	6758.594	599.805542
## 8552	3569.910	6877.027	1211.758057
## 13945	3626.535	6856.099	805.622192
## 3895	3889.500	7627.883	1326.146851
## 962	3254.338	6666.128	965.151672
## 3227	3922.173	7622.452	1359.519165
## 20805	3812.392	7478.031	1809.962524
## 18843	3376.193	6308.000	1627.582031
## 8889	3590.413	6939.774	767.260498
## 10755	3062.303	6155.000	8.544935
## 1263	3680.817	7313.855	711.969299
## 21611	3657.887	7200.979	1073.748535
## 20910	3914.268	7598.205	1201.590210
## 22475	3749.357	7294.229	3143.855957
## 20857	3459.872	6644.828	1511.359131
## 12359	3863.092	7583.153	1350.707520
## 10022	3914.765	7542.919	1382.455444
## 6687	3572.682	6952.605	1231.527344

## 6198	3057.008	7035.368	7.503463
## 13658	3488.271	6938.890	221.889908
## 16958	3486.111	6923.531	1615.759888
## 4592	3837.595	7634.353	1345.489258
## 5909	3897.386	7548.466	1295.368286
## 19449	3762.820	7278.731	1244.198120
## 21318	3732.150	7215.386	1033.524292
## 18556	3939.074	7534.470	1362.688721
## 11118	3923.429	7600.580	1383.893311
## 10089	3478.450	6732.356	1113.386719
## 17729	3896.825	7566.318	1431.993530
## 8435	3713.527	7120.911	790.566833
## 9078	3604.856	7032.928	1558.637939
## 13023	3512.739	7195.212	208.243225
## 8327	3701.821	7178.572	1171.819336
## 929	3826.318	7713.031	1079.106323
## 1359	3683.437	7655.068	1360.954468
## 3984	3925.911	7623.243	1579.275879
## 14201	3210.177	6437.000	1169.206421
## 16323	3139.053	6623.000	122.236176
## 19894	3403.343	6621.296	935.808533
## 16620	3851.730	7513.497	1715.111694
## 11355	3286.567	6597.001	946.305237
## 7225	3713.569	7296.468	619.977173
## 5940	3339.515	6707.258	322.813416
## 18591	3603.410	6831.875	1326.355591
## 12601	3675.806	7175.947	1489.224487
## 5004	3624.964	6993.024	717.218384
## 16043	3580.347	6946.249	1166.451416
## 20531	3905.862	7551.369	1305.158325
## 13395	3449.174	6593.104	996.747803
## 3533	3372.506	6849.140	1795.708984
## 12416	3669.984	7182.871	865.580078
## 1160	3545.933	6801.388	1452.243164
## 10284	3632.223	7233.002	1235.361084
## 3785	3713.409	7292.337	1439.642090
## 348	3593.029	7104.808	619.881775
## 2139	3777.734	7414.197	1145.473877
## 6079	3923.382	7579.655	1679.303833
## 4833	3621.436	7153.261	1168.084717
## 21685	3867.591	7529.664	1285.294189
## 9033	3365.005	6414.000	1543.425415
## 10981	3831.585	7347.174	780.290405
## 7111	3783.737	7366.875	1482.237549
## 19418	3720.172	7331.536	1364.635986
## 5317	3503.976	6996.429	1810.621094
## 1622	3919.527	7595.286	819.305359
## 754	3606.211	7090.116	585.694214
## 17926	3547.177	6717.568	503.713165
## 13360	3363.048	6603.846	1440.355347
## 1865	3875.518	7599.889	1589.920776
## 7257	3442.479	6456.250	1805.903320
## 9715	3678.568	7150.491	1503.923706
## 22059	3327.614	6540.000	1972.873901

## 21865	3805.105	7431.037	1651.343384
## 18647	3837.715	7462.702	585.197815
## 19022	3332.667	6527.001	755.401550
## 3272	3609.218	7543.980	338.620575
## 17243	3297.576	6466.000	682.487671
## 19661	3851.150	7438.462	1455.372559
## 19395	3732.931	7206.538	1090.607178
## 8902	3909.653	7473.723	1240.361084
## 18323	3148.701	6561.001	893.384949
## 14827	3655.906	6892.044	793.123169
## 965	3560.335	6892.762	1522.219238
## 9625	3824.447	7506.428	1736.807007
## 3079	3616.963	7158.853	1467.057739
## 19084	3740.525	7172.501	1335.248901
## 15445	3795.205	7579.998	1882.209106
## 13177	3555.731	6910.417	2319.265869
## 19331	3524.168	6822.223	613.888367
## 3391	3756.096	7442.982	1595.584229
## 5785	3683.438	6878.646	1939.051514
## 13152	3760.819	7239.393	1503.739502
## 4763	3536.390	6695.716	491.335114
## 2519	3802.058	7467.778	1039.127075
## 12694	3522.398	6950.695	1334.318970
## 16709	3466.218	6861.291	1126.157837
## 12953	3323.303	6542.000	947.795471
## 1858	3828.514	7568.382	1205.425659
## 14056	3885.497	7567.012	1197.438721
## 10034	3935.770	7534.707	1187.968628
## 4020	3855.772	7700.828	1615.380615
## 13000	3570.181	6753.475	1056.355347
## 22272	3566.851	7101.876	668.225830
## 429	3699.405	7118.056	464.550568
## 18602	3514.071	6773.573	68.121819
## 6889	3705.948	7149.574	549.580811
## 5951	3836.525	7669.673	651.425476
## 7420	3479.952	6864.063	1313.831543
## 1344	3891.359	7474.271	1058.052734
## 8030	3267.542	6320.000	781.747559
## 22433	3814.275	7294.071	1770.901855
## 18733	3651.431	7060.640	989.100159
## 7341	3297.066	7315.626	370.700928
## 12676	3519.506	7097.435	1005.295471
## 5449	3555.452	6989.774	643.396606
## 7861	3664.866	7125.002	2091.615967
## 21606	3306.669	6575.000	895.310120
## 10615	3325.906	6567.000	2584.516846
## 14803	3775.859	7522.116	624.526794
## 18788	3362.869	6463.001	2358.172119
## 4558	3654.440	7288.181	1491.558472
## 10552	3454.435	6752.501	601.258362
## 22175	3576.041	6957.050	1037.370850
## 11896	3533.223	6984.462	938.530212
## 15951	3433.093	6795.000	743.016907
## 18341	3804.521	7344.213	1225.368286

## 2524	3647.217	7153.261	1189.717529
## 17181	3354.751	6558.000	1167.862915
## 5524	3873.156	7603.613	861.174561
## 15559	3680.940	7270.001	1847.740356
## 18642	3658.193	6983.854	1477.060913
## 13979	3863.022	7448.064	1511.651733
## 19767	3341.789	6565.001	980.669678
## 17019	3762.673	7353.482	607.717957
## 2059	3341.133	6544.000	997.651611
## 11043	3615.877	6962.792	1197.358032
## 19224	3457.274	6582.760	1197.768066
## 13204	3721.405	7247.458	1989.580322
## 3183	3329.075	6606.001	843.637268
## 5887	3990.914	7611.846	1732.694092
## 20331	3890.354	7492.501	1320.674805
## 18514	3358.541	6569.446	941.186584
## 12714	3640.660	7103.194	1104.406372
## 6392	3861.952	7501.910	704.669006
## 5184	3349.034	6479.000	2020.669922
## 3927	3641.044	7153.001	1128.422119
## 10964	3736.195	7307.463	996.134583
## 2343	3884.351	7584.751	1861.098877
## 13042	3391.834	6664.815	1790.175171
## 20911	3493.229	6767.427	910.307678
## 3596	3848.414	7631.717	1413.645996
## 10936	3340.879	6523.000	838.299927
## 14631	3671.724	7165.626	440.221069
## 15138	3795.193	7435.370	1375.608887
## 12969	3371.523	6608.622	1616.745728
## 3961	3427.815	6853.335	1665.935059
## 9189	3595.623	6985.555	1467.564697
## 12799	3863.089	7602.333	1626.435913
## 11364	3497.476	7400.780	968.060913
## 17345	3328.510	6600.000	825.388428
## 14361	3415.793	6473.149	811.185242
## 17515	3739.800	7494.447	880.598389
## 4133	3853.640	7568.271	1197.883911
## 7071	3688.719	7419.241	533.786621
## 19742	3479.378	6928.847	1167.964233
## 1835	3627.927	6960.226	863.091431
## 18211	3829.943	7451.470	1027.442261
## 1909	3403.012	6760.833	1029.004150
## 274	3706.843	7311.884	1555.377441
## 2000	3890.932	7594.889	1143.687622
## 11543	3889.228	7469.519	487.752441
## 7416	3802.266	7512.136	671.943970
## 1885	3848.215	7597.621	1513.849976
## 7736	3594.006	6909.376	1006.822327
## 2470	3907.342	7610.218	1088.342773
## 13491	3937.055	7653.620	1769.415771
## 1724	3913.018	7709.953	1911.240479
## 6695	3621.224	6905.209	1642.884033
## 8027	3751.152	7185.607	1673.446899
## 13096	3815.327	7459.869	1653.837646

## 14750	3545.135	6849.326	1038.695435
## 2194	3728.169	7399.719	1211.754517
## 5304	3825.741	7503.214	1681.668701
## 21859	3391.964	6648.148	2345.117920
## 8405	3609.069	7134.091	835.335938
## 2734	3285.323	6456.002	740.047607
## 19419	3316.998	6610.002	988.400879
## 17163	3331.688	6525.001	1220.042114
## 8106	3638.727	6960.554	1145.134888
## 8584	3713.649	7401.635	423.603638
## 5970	3736.527	7191.178	406.903412
## 1652	3887.819	7613.850	941.569763
## 14366	3353.672	6516.001	1055.713989
## 536	3353.794	6660.577	468.431366
## 3263	3811.957	7682.385	1830.174683
## 18520	3613.304	7455.721	935.708557
## 13749	3388.510	6580.173	1675.969482
## 9671	3742.279	7234.848	1073.930542
## 8618	3909.173	7434.467	1223.206177
## 14010	3777.230	7527.496	858.201904
## 8471	3734.976	7521.329	2146.261719
## 1993	3844.720	7524.350	1215.565430
## 105	3625.015	6980.234	734.774048
## 18500	3495.341	6745.313	1752.752930
## 11153	3351.372	6287.000	2197.149902
## 7104	3770.635	7404.322	733.873291
## 14230	3848.397	7532.820	578.431396
## 1805	3879.254	7662.879	1194.702637
## 12507	3832.474	7642.396	1364.640259
## 95	3343.196	6477.000	228.574127
## 14861	3240.462	6523.000	1409.558105
## 7780	3845.883	7439.197	697.537415
## 5834	3950.330	7607.450	1739.389282
## 11730	3656.285	6953.192	645.829041
## 19592	3843.845	7660.519	1465.649902
## 12869	3914.834	7612.933	2139.514893
## 16821	3620.430	7147.730	1127.975464
## 8835	3403.207	6780.000	701.513855
## 1139	3914.064	7589.176	1472.565552
## 10023	3985.244	7534.510	1448.339966
## 4398	3358.100	6193.000	354.921051
## 8894	3823.538	7388.105	885.243286
## 10920	3698.561	7072.183	348.134277
## 14985	3902.397	7408.181	1562.648560
## 9714	3396.168	6454.807	1218.265991
## 512	3598.218	7043.454	1809.469482
## 14505	3909.658	7699.317	729.671265
## 7033	3920.015	7368.881	992.994568
## 11886	2121.165	6484.000	121.458038
## 21849	3328.378	6589.001	1640.145508
## 9859	3785.739	7308.220	2119.266113
## 5634	3905.711	7390.028	1834.791992
## 6067	3941.383	7579.400	1775.934937
## 4669	3675.285	7212.274	1141.111572

## 3509	3607.331	7337.712	1367.728271
## 16544	3522.990	7211.111	1768.302490
## 10641	3829.560	7505.047	1665.541870
## 2674	3836.570	7649.740	655.118713
## 22204	3852.534	7349.074	1420.053955
## 17964	3587.599	6963.462	1312.468628
## 20322	3612.418	6958.522	1188.054443
## 1198	3688.064	7219.812	1204.528687
## 18884	3311.628	6591.001	566.441650
## 14641	3334.207	6491.000	1390.963379
## 5104	3715.305	7481.250	1696.149780
## 4497	3485.317	6879.546	1153.366821
## 10037	3910.600	7527.620	1448.898926
## 1589	3879.299	7678.013	1143.182007
## 7039	3206.686	6088.000	709.138489
## 11993	3498.623	6850.738	623.805176
## 366	3401.584	6657.761	1257.990234
## 15449	3328.230	6562.000	2014.650146
## 8531	3326.495	6492.000	791.067139
## 15931	3719.044	7352.530	1492.634888
## 21478	3928.135	7550.689	1293.333374
## 20680	3350.989	6305.000	2450.298340
## 19269	3907.186	7630.265	1426.900879
## 13013	3900.030	7594.455	1094.283691
## 16513	3607.255	7329.929	809.294556
## 18695	3647.258	7081.522	880.427734
## 16624	3567.776	7103.050	1600.071533
## 11564	3539.280	6891.667	1310.579590
## 22454	3357.461	6331.001	1899.123169
## 2124	3708.180	7155.385	700.503906
## 10659	3432.084	6803.334	708.650696
## 9386	3315.741	6604.001	590.486755
## 431	3340.536	6468.001	330.470520
## 2389	3503.005	6872.974	1352.613770
## 1036	3743.572	7212.312	1623.625610
## 10812	3738.340	7321.540	324.634033
## 14792	3418.355	6650.000	758.525208
## 4064	3539.547	7036.844	1024.992188
## 6177	3413.687	6755.173	616.203308
## 14501	3923.038	7532.829	680.664490
## 7882	3714.517	7198.789	1607.134888
## 7885	3350.927	6307.000	1488.288330
## 7538	3444.853	6596.552	1705.292480
## 6422	3552.498	6989.474	616.710632
## 20056	3325.780	6541.000	1304.119751
## 18750	3610.196	7070.238	1315.336548
## 19923	3749.674	7292.424	868.549255
## 16874	3706.869	7470.991	642.077026
## 8412	3536.020	6956.251	800.990540
## 22387	3892.426	7345.779	1021.998413
## 22250	3778.066	7524.542	1271.717773
## 15213	3442.370	6703.448	1287.356079
## 12806	3794.738	7488.157	1431.143188
## 2862	3855.115	7527.389	1014.358337

## 16458	3512.527	6840.001	170.744095
## 8903	3326.973	6414.001	1012.022644
## 2852	3508.992	6884.560	1143.429199
## 20885	3365.511	6432.001	1142.518188
## 8600	3683.266	7219.091	1669.711426
## 1088	3489.549	6865.440	1226.028687
## 5659	3736.870	7436.748	475.114655
## 2675	3869.914	7700.635	1227.578857
## 12338	3950.614	7519.973	1876.183350
## 2925	3908.050	7668.566	1274.788208
## 19938	3375.528	6401.999	1476.106079
## 3783	3318.402	6482.001	1379.694458
## 2812	3682.319	7200.396	1445.069214
## 18157	3405.952	6650.894	1080.821167
## 4793	3741.953	7245.315	1735.503296
## 20665	3511.564	6998.404	751.098877
## 16867	3864.901	7577.024	1193.512451
## 17692	3409.996	6735.715	1387.933960
## 17187	3537.619	6718.573	1075.852173
## 19348	3616.817	6666.250	1740.256836
## 15473	3726.594	7329.231	426.327393
## 14130	3546.315	6961.485	1520.742798
## 21569	3806.419	7527.458	882.603271
## 299	3726.378	7152.194	2010.922363
## 15599	3359.436	6805.173	787.413818
## 11501	3807.940	7572.143	844.585083
## 7799	3813.087	7390.150	989.106262
## 557	3458.386	6934.461	679.158569
## 20818	3336.636	6558.000	772.854614
## 12049	3519.194	6925.715	603.676819
## 10695	3888.575	7581.688	583.891663
## 8285	3390.342	6624.075	708.653870
## 19907	3334.314	6542.000	838.037659
## 21512	3724.479	7006.480	2823.314941
## 8884	3797.122	7214.942	1846.332520
## 5656	3744.276	7327.055	511.648865
## 19453	3412.335	6550.928	1086.815674
## 10759	3435.575	6704.731	132.269547
## 13803	3727.711	7244.915	1340.508301
## 17762	3909.231	7549.736	1537.917480
## 5777	3499.367	6763.280	1641.087524
## 19678	3479.340	6963.514	1297.677368
## 16636	3801.842	7522.011	1811.691406
## 13138	3799.705	7292.076	1552.575562
## 6783	3473.350	6765.322	968.308350
## 16611	3805.828	7602.211	773.510681
## 20765	3357.543	6432.000	1166.983643
## 7030	3663.267	7312.656	1090.054443
## 7478	3748.104	7280.881	1635.407349
## 13166	3770.014	7197.387	1371.689575
## 9915	3354.346	6520.001	1717.270142
## 18646	3640.406	7025.000	1731.987915
## 4011	3871.586	7690.123	1456.219604
## 15577	3478.314	7090.132	1441.219727

## 5194	3854.551	7519.744	969.026428
## 21794	3534.393	7058.697	1136.459839
## 14523	3655.613	7403.089	558.964722
## 4843	3790.704	7421.989	1920.747559
## 12874	3819.871	7281.707	530.542297
## 8858	3318.465	6491.001	890.094116
## 19185	3379.201	6551.922	1285.655762
## 21348	3720.750	7238.334	1136.156372
## 13683	3731.596	7211.017	1361.938965
## 11267	3926.222	7580.336	1178.235107
## 16692	3545.111	6932.641	672.081848
## 15555	3763.384	7125.658	1253.978271
## 10418	3826.977	7613.358	729.039612
## 16350	3833.317	7609.712	1232.262207
## 1495	3946.944	7586.498	1329.979614
## 10160	3742.328	7352.144	1215.009521
## 11102	3349.753	6411.000	1378.733154
## 11424	3604.716	7063.373	337.389954
## 10850	3572.464	7143.891	815.366272
## 12930	3409.016	6538.889	721.182739
## 6274	3779.364	7351.545	1301.881226
## 12826	3804.371	7278.540	845.425659
## 7394	3724.480	7314.774	903.486877
## 17834	3510.352	6919.444	574.727051
## 20689	3347.393	6403.001	944.941406
## 10844	3317.205	6605.001	1003.380249
## 4253	3793.607	7281.909	1043.369263
## 835	3473.613	6909.090	810.653381
## 2342	3402.718	6640.180	1951.160645
## 12029	3362.332	6512.000	1297.826660
## 16934	3515.873	7029.730	562.667297
## 11669	3828.138	7510.256	1279.931519
## 3626	3534.114	6950.678	1244.317505
## 13114	3800.972	7454.255	2033.924927
## 3212	3867.054	7559.581	1780.504639
## 1322	3354.415	6400.000	348.379028
## 20720	3809.936	7359.271	1047.890503
## 13131	3711.938	7320.493	1144.158813
## 5949	3406.355	6857.238	25.362638
## 777	3744.861	7423.718	1416.403809
## 5339	3652.289	7211.321	1551.999756
## 2669	3902.836	7767.366	907.913513
## 17450	3305.687	6398.999	2619.006592
## 22365	3486.286	6568.752	1638.840332
## 20794	3896.036	7617.316	942.963989
## 2801	3639.456	7207.019	763.645935
## 8283	3353.332	6502.000	878.950989
## 18004	3192.662	6595.191	25.862103
## 16246	3772.562	7346.152	796.928101
## 21789	3904.711	7589.231	1174.637939
## 4030	3674.102	7323.897	1436.467651
## 2336	3504.769	6779.411	1513.792725
## 19761	3733.745	7336.150	749.604980
## 2922	3728.920	7474.998	1124.202271

## 8732	3706.193	7103.241	2598.120361
## 19230	3409.949	6584.260	1187.415283
## 4348	3868.062	7646.030	1351.010498
## 1706	3795.402	7588.267	1445.810425
## 14488	3828.680	7380.179	1814.067505
## 22415	3438.062	6641.966	2148.341064
## 21207	3678.981	7468.066	177.259323
## 18585	3845.761	7506.688	1123.175537
## 17296	3863.678	7485.104	1704.160278
## 1517	3883.619	7634.930	1468.636597
## 9964	3866.064	7538.092	1501.753174
## 1977	3606.712	7089.625	657.480835
## 10280	3384.268	6915.909	215.899414
## 14973	3236.633	7122.092	104.046303
## 9074	3563.164	6820.834	1216.417603
## 20783	3942.891	7560.098	1471.126587
## 1742	3626.698	7142.021	1125.284424
## 4720	3485.423	7062.162	1063.965454
## 18243	3710.447	7191.817	1220.836548
## 3379	3241.584	6494.000	498.384552
## 4832	3828.407	7553.927	1218.820435
## 9688	3461.143	6553.449	1243.957153
## 8142	3348.946	6536.000	471.163666
## 6245	3740.503	7248.827	1123.209106
## 4118	3779.090	7513.420	1004.530090
## 2456	3386.508	6550.927	1168.930298
## 20412	3535.752	6811.430	1095.861084
## 2016	3344.123	6457.000	1326.731689
## 8034	3483.214	6579.838	1014.528076
## 19942	3416.687	6526.853	949.529358
## 16901	3652.944	7194.228	1382.714966
## 9650	3722.540	7267.212	2468.274170
## 141	3782.232	7511.649	1862.868774
## 15128	3315.813	6637.001	2102.189209
## 7845	3365.657	6405.000	911.798645
## 16775	3814.835	7621.008	29.470354
## 1393	3377.311	6619.000	4805.203125
## 6834	3322.823	6552.000	924.987061
## 21449	3637.025	7360.869	1131.924561
## 7405	1236.334	6572.000	0.036167
## 613	3364.381	6323.000	2144.766602
## 6705	3851.262	7441.276	1665.427734
## 14291	3349.675	6474.000	1771.122559
## 158	3496.823	6828.032	637.196106
## 14987	3929.666	7509.376	1386.969116
## 1882	3727.007	7567.857	1085.853760
## 18894	3685.242	7331.556	458.697144
## 271	3531.982	6932.640	2095.959717
## 3631	3330.051	6552.999	1694.619141
## 20554	3722.353	7415.246	1382.851562
## 20482	3913.284	7518.010	1168.684448
## 11161	3281.261	6406.000	421.740448
## 22252	3475.663	6564.167	666.925964
## 12539	3325.903	6442.000	1119.515137

## 6135	3522.459	6775.002	1555.649048
## 17469	3576.787	7383.909	712.985352
## 21915	3954.622	7576.551	1643.615845
## 16741	3320.076	6578.002	1381.723022
## 12175	3855.554	7483.655	432.035858
## 15011	3527.489	6907.434	113.847534
## 10867	3589.690	7069.768	343.054626
## 19190	3352.913	6505.001	877.030212
## 8278	3347.406	6656.731	477.485077
## 1255	3795.060	7202.688	893.389526
## 4147	3565.609	6998.124	816.577759
## 17026	2792.781	6614.001	42.985168
## 7560	3705.517	7317.084	2095.262451
## 5378	3700.666	7092.545	663.812500
## 20954	3418.080	6850.806	484.152435
## 10810	3405.713	6664.845	56.139313
## 22028	3794.091	7321.305	1309.977661
## 21472	3730.595	7414.472	1174.467896
## 4493	3632.139	7218.138	1325.812744
## 9655	3315.238	6569.000	1540.527588
## 10672	3338.019	6516.000	1080.312744
## 9340	3370.467	6598.150	1113.828003
## 1035	3869.291	7498.521	1197.484131
## 14330	3757.771	7197.761	1394.399536
## 12703	3573.737	7022.095	719.387085
## 10653	3642.729	7254.717	136.026245
## 3892	3392.808	6656.481	1012.555969
## 17568	3565.302	6842.500	1390.335449
## 17121	3905.109	7618.284	923.520752
## 11077	3713.702	7213.462	1503.029785
## 2498	3783.358	7302.136	964.871582
## 11670	3894.579	7684.906	1047.057007
## 18020	3311.453	6897.727	167.771454
## 8760	3687.917	7385.416	992.623230
## 5919	3524.097	6964.583	1169.917236
## 13643	3858.170	7532.143	1318.882446
## 12522	3605.233	7239.797	1932.528320
## 22449	3595.769	7060.106	728.758728
## 12205	3862.048	7687.129	2248.382812
## 12252	3350.438	6467.001	2243.417725
## 15792	3351.006	6482.001	914.618347
## 8353	3258.425	6532.001	351.343323
## 16716	3667.282	7085.204	1826.129883
## 10487	3909.606	7465.858	1685.460205
## 8040	3351.862	6333.000	2157.165039
## 7400	3804.540	7391.347	1166.742432
## 20753	3932.054	7677.167	1353.123047
## 9470	3471.539	6716.936	1667.704590
## 11860	3476.208	6685.156	599.728210
## 6827	3626.581	7154.446	1272.958374
## 6818	3814.096	7379.080	1193.247925
## 1336	3355.540	6511.000	1283.334473
## 3159	3896.484	7740.285	838.102173
## 8025	3326.617	6388.001	931.622742

## 16926	3362.119	7227.174	874.795044
## 13962	3667.646	7090.307	1222.023804
## 12898	3535.283	6834.287	1216.210571
## 16891	3299.521	6569.000	1638.573730
## 12800	3615.428	7090.340	2310.357178
## 4923	3838.392	7404.414	1267.470337
## 22184	3906.007	7551.279	1392.351685
## 20652	3390.214	6487.500	1651.511841
## 20136	3688.601	7131.866	1537.198975
## 21080	3409.715	6601.852	961.720276
## 18684	3349.384	6515.000	795.601196
## 7698	3821.794	7574.224	99.303848
## 15983	3335.540	6509.000	1134.079468
## 15437	3586.655	7702.385	762.953735
## 20354	3919.342	7454.788	1513.300049
## 18417	3929.810	7528.897	1371.087646
## 3552	3921.457	7745.258	1148.297363
## 4186	3675.881	7447.521	1217.162354
## 16200	3818.642	7505.425	1531.677856
## 9259	3537.270	6988.125	659.718994
## 14845	3524.715	6950.001	818.977417
## 1223	3783.003	7410.977	1406.547974
## 14453	3273.202	6502.002	1085.101196
## 10117	3489.788	6723.439	2407.322266
## 18330	3386.896	6525.000	884.028076
## 6105	3604.206	7012.501	1444.301636
## 15615	3486.185	6986.031	1030.425903
## 9365	3343.993	6512.000	1016.473267
## 8443	3657.491	6918.334	1546.146240
## 3743	3572.610	7315.163	950.720642
## 19898	3492.593	6930.407	137.044083
## 12077	3732.819	7368.749	1252.251587
## 6981	3309.265	6902.943	718.741211
## 16456	3878.406	7612.286	1257.309937
## 7594	3833.372	7476.000	417.689423
## 3117	3727.729	7285.768	1675.284424
## 5303	3819.293	7477.476	1611.386475
## 4448	3878.289	7616.765	1733.489380
## 3933	3295.972	6643.001	1097.705078
## 8065	3845.779	7648.387	1091.470825
## 4578	3407.052	6702.679	2193.921875
## 75	3593.202	7137.502	1683.958008
## 13199	3678.896	7142.503	830.996948
## 12594	3679.346	7447.828	941.244385
## 11615	2267.583	6535.000	136.081253
## 7425	3275.357	6310.000	22.106464
## 1786	3755.679	7404.320	1355.745728
## 16608	3681.539	7490.662	808.580627
## 16616	3689.186	7340.679	1159.064453
## 17942	3702.300	7222.463	1025.691528
## 3175	3498.408	6861.366	1131.409668
## 15096	3762.354	7468.357	1193.723999
## 21872	3902.995	7628.152	2257.015137
## 11687	3908.589	7604.210	1372.609619

## 16125	3584.657	6980.488	936.333130
## 14532	3774.959	7374.720	1074.759644
## 3471	3712.698	7192.412	805.013245
## 2144	3377.098	6633.333	1526.683838
## 12854	3805.139	7482.020	1489.790894
## 10349	3723.295	7334.027	1087.895996
## 20824	3353.827	6381.000	1122.171143
## 21152	3364.542	6476.000	1322.930786
## 14005	3474.249	6797.856	445.983826
## 9576	3566.943	6901.924	692.904358
## 14657	3688.833	7303.079	1968.765015
## 13991	3863.945	7539.901	1191.909424
## 17800	3437.591	6855.922	557.726379
## 4891	3496.693	6967.143	949.252441
## 9329	3465.770	6783.872	942.573059
## 568	3705.280	7121.774	928.292236
## 5799	3368.568	6426.000	658.822144
## 3617	3433.982	6865.542	540.254944
## 9119	3662.662	7167.410	1523.307251
## 9518	3381.405	6530.768	1834.698853
## 20601	3507.284	6834.561	900.587952
## 20726	3830.032	7356.711	1104.144531
## 2130	3700.995	7227.821	1340.112061
## 149	3833.980	7319.847	667.604370
## 3693	3810.813	7466.052	1155.498779
## 4500	3493.696	6756.821	790.952942
## 15515	2078.491	6548.002	2.058088
## 19993	3343.364	6527.000	2412.772217
## 4480	3637.396	7273.829	1055.242554
## 21916	3920.393	7634.264	1168.642700
## 10196	3900.897	7664.821	1509.946289
## 6650	3885.690	7245.833	1442.029541
## 6006	3271.793	6513.000	559.351196
## 5480	3760.567	7342.466	1138.967163
## 1795	3878.351	7626.234	1195.317139
## 6164	3733.277	7285.230	1472.589355
## 19636	3367.064	6575.961	1019.995911
## 4740	3587.611	7090.477	637.075989
## 11122	3721.005	7337.953	1283.241821
## 6970	3560.289	6904.730	1205.057739
## 8866	3365.462	6418.000	385.346893
## 15819	3375.531	6962.792	310.770538
## 6606	3856.492	7433.639	1966.742432
## 20791	3963.657	7593.229	1611.868164
## 3217	3797.716	7407.632	1485.564819
## 1232	3532.913	7560.638	842.984070
## 3557	3814.419	7525.709	1559.430298
## 17005	3709.867	7120.369	1073.536133
## 16046	3677.820	7430.970	1239.092407
## 7139	3914.625	7393.262	1334.027710
## 10261	3356.461	6582.693	1058.642822
## 9476	3644.393	7326.516	1212.325928
## 14494	3808.319	7544.719	1202.980347
## 17493	3848.044	7507.258	1247.627563

## 10240	3311.154	6483.000	1772.682251
## 5483	3599.629	6874.375	648.173584
## 4930	3847.081	7235.969	926.289185
## 21159	3851.825	7621.302	1254.372681
## 8272	3436.906	6924.220	549.822021
## 1008	3768.259	7322.500	1066.940918
## 10647	3338.192	6535.001	782.378906
## 12187	3663.638	7077.940	701.679993
## 9450	3341.730	6529.000	1733.727905
## 17378	3431.979	6765.001	1058.416748
## 13624	3384.728	6553.847	1586.225586
## 3056	3769.690	7536.562	1336.833984
## 19517	3370.956	6348.000	1271.513794
## 12596	3586.320	6923.028	2911.088135
## 2411	3647.150	6885.796	725.423950
## 16298	3410.021	6617.857	765.145020
## 14042	3807.292	7469.232	1550.327393
## 17925	3919.824	7496.922	909.170044
## 17943	3890.661	7450.546	1675.623047
## 16505	3338.200	6914.517	92.872894
## 20984	3364.456	6461.999	1303.107422
## 8619	3968.686	7505.576	1397.437256
## 5065	3706.721	7314.616	1142.507812
## 20529	3931.355	7568.970	1375.926270
## 3245	3724.375	7151.762	923.499268
## 3074	3732.428	7300.000	1208.290649
## 4231	3266.351	6514.001	1462.737915
## 17308	3336.045	6489.001	1813.349609
## 11365	3508.758	6958.571	1609.111572
## 13970	3465.135	6711.667	1065.727295
## 9521	3346.134	6532.000	1074.039185
## 21842	3406.976	6694.644	2076.511230
## 2896	3713.069	7597.910	874.471924
## 9547	3935.185	7663.210	281.486237
## 7752	3322.036	6586.112	237.955093
## 6629	3375.555	6327.001	3232.076172
## 500	3344.434	6476.000	636.148560
## 775	3574.934	7140.425	322.086426
## 20776	3956.850	7619.707	1186.354370
## 10313	3815.732	7522.139	1482.869507
## 2322	3469.277	6756.818	1403.064453
## 7326	3168.302	7055.264	746.581299
## 12044	3382.505	6580.555	600.893372
## 17076	3801.419	7417.899	2065.169922
## 19437	3366.820	6731.250	474.072479
## 10897	3589.035	7026.222	1505.293091
## 12702	3292.057	6550.999	1322.147827
## 19183	3646.178	7118.878	817.197571
## 18143	3444.890	6807.813	809.154968
## 6087	3964.196	7503.009	1873.718262
## 4120	3803.007	7567.380	672.108337
## 2128	3779.528	7402.778	850.291748
## 6700	3855.102	7434.234	2173.827148
## 11320	3341.280	6560.000	1163.019775

## 20252	3398.898	6583.930	394.928162
## 5837	3971.788	7554.124	1824.369751
## 21012	3799.935	7303.070	1490.218994
## 1526	3918.341	7688.595	1561.748657
## 8444	3655.952	6952.272	1127.925781
## 1762	3425.588	6750.834	519.120789
## 8427	3270.994	6395.371	8.586236
## 10616	3509.238	7151.220	1840.827026
## 10211	3350.228	6541.000	761.990112
## 294	3684.131	7098.501	1946.580688
## 10358	3334.549	6769.444	1596.794922
## 18192	3302.907	6463.001	560.145691
## 3194	3662.985	7316.950	1336.711304
## 19649	3384.993	6433.654	986.177368
## 18389	3812.699	7578.026	1106.116943
## 16869	3816.910	7264.405	773.064453
## 15105	3511.469	6749.245	1218.798584
## 9900	3835.151	7454.906	1260.381836
## 3231	3900.985	7597.426	1353.605835
## 3007	3469.120	6844.534	1136.852417
## 9665	3465.934	6779.840	1380.938843
## 12260	3339.660	6445.000	2299.861328
## 5031	3327.799	6557.001	1034.595337
## 6943	3428.561	6642.243	1691.485229
## 14311	3716.024	7351.736	553.920654
## 14021	3739.122	7295.395	1302.089722
## 12677	3379.219	7164.534	33.946484
## 2567	3650.670	6908.695	931.604248
## 8408	3374.915	6582.691	767.141724
## 20150	3847.481	7189.072	881.478638
## 7324	1523.420	6615.001	0.009400
## 20551	3788.238	7212.648	1537.501709
## 11792	3584.023	7029.168	436.988098
## 140	3503.976	6996.429	1810.621094
## 19844	3564.485	7465.765	1287.080078
## 970	3449.683	6920.454	1216.710083
## 17645	3882.569	7626.352	279.303497
## 21225	3667.100	7200.943	2151.377930
## 20648	3465.134	6773.388	904.883850
## 11946	3659.719	7176.220	58.614220
## 19095	3913.990	7481.384	1574.160645
## 8705	3555.447	7137.223	1543.433716
## 17339	3221.639	6273.001	4.874214
## 15736	3857.527	7576.456	1180.245850
## 14585	3647.695	7322.388	67.032082
## 3014	3639.704	7101.595	1318.299561
## 19914	3485.700	6702.421	1169.546997
## 12655	3644.184	7369.353	1176.143555
## 3826	3841.274	7520.347	1258.123779
## 22152	3785.949	7564.862	680.193176
## 8487	3796.772	7282.649	545.572449
## 6423	3013.091	7490.500	91.270317
## 15548	3811.126	7539.047	1421.657227
## 165	3847.787	7499.801	790.857666

## 3087	3741.524	7396.000	179.950653
## 21951	3965.076	7557.218	1741.675415
## 19053	3439.081	6522.322	1152.261475
## 4712	3641.078	7357.330	1447.448242
## 9572	3635.368	6944.444	1282.467407
## 8924	3865.788	7427.382	1641.265015
## 16399	3529.145	7063.095	1250.515503
## 2149	3390.402	6599.039	1565.370850
## 4234	3765.342	7439.559	2408.585938
## 17495	3643.747	7041.306	1206.848755
## 3135	3210.470	7353.797	932.003723
## 16568	3298.378	6543.000	229.347855
## 17238	3857.116	7486.024	1631.169800
## 1998	3899.391	7608.768	1461.455078
## 11134	3736.286	7110.317	1384.917603
## 333	3492.073	6771.094	1262.547852
## 5818	3379.434	6572.115	1257.087402
## 464	3535.093	6905.556	1957.423462
## 13317	3824.146	7432.052	1045.239624
## 7201	3481.355	6607.259	1252.945312
## 17496	3848.554	7501.613	1122.608154
## 21954	3520.024	6824.266	2132.869629
## 17312	3648.125	7277.459	271.998077
## 11410	3273.922	6664.001	2785.912598
## 14493	3530.143	7000.000	1211.526123
## 2582	3686.800	7073.216	577.944824
## 6266	3515.730	6864.706	1679.059692
## 4694	3411.365	6686.608	1570.608032
## 1342	3856.301	7458.226	1109.838379
## 9030	3437.223	6745.833	1132.060669
## 2558	3802.964	7391.823	1268.332642
## 18448	3942.281	7543.590	1492.601318
## 9005	3361.777	6765.178	241.921967
## 15845	3301.014	6556.000	67.107391
## 18402	3351.690	6571.001	835.657776
## 3916	3758.872	7521.241	1229.712280
## 14620	3816.078	7608.018	2106.885986
## 6706	3841.259	7427.668	2002.284912
## 8639	3900.116	7636.533	1464.827393
## 21005	3371.148	6483.999	1015.708740
## 12892	3803.783	7499.486	946.670410
## 3896	3791.550	7371.250	1178.726685
## 11333	3224.701	6584.001	51.633179
## 13681	3680.633	7147.000	1453.029419
## 9087	3493.814	6761.720	1373.937866
## 19701	3550.433	6981.580	1440.123779
## 17268	3344.072	6556.000	1593.058350
## 20520	3497.065	6646.213	1561.971924
## 4127	3894.904	7656.056	1447.030273
## 21347	3778.121	7471.471	844.082642
## 14211	3688.048	7407.987	1079.295532
## 8498	3442.248	6536.208	1463.779297
## 3338	3658.287	7034.184	1483.222656
## 17592	3720.418	7326.070	1060.912964

## 13082	3326.747	6401.000	1498.682251
## 12772	3633.456	7255.498	1840.704346
## 3880	3327.944	6557.001	1048.736938
## 6256	2875.919	6841.667	1062.598389
## 19320	3646.994	7196.001	1322.368408
## 17487	3517.012	6875.002	965.098755
## 8386	3410.453	6820.967	1466.080322
## 20461	3899.731	7427.964	1356.698120
## 20186	3912.384	7619.802	915.353088
## 10128	3678.234	7118.270	2235.094482
## 8891	3650.007	7048.076	1054.216675
## 12479	3483.111	6933.825	1434.276367
## 21657	3486.663	6690.323	946.389771
## 10498	3329.657	6605.001	1766.489258
## 5712	3963.108	7592.532	1575.180298
## 19610	3464.739	6725.808	1823.189941
## 16548	3319.454	6701.852	979.585327
## 8390	3601.773	7078.408	625.231079
## 2156	3373.369	6510.000	1032.854370
## 6765	3823.433	7566.516	769.370239
## 5075	3412.770	6699.109	1484.643921
## 344	3752.928	7304.849	1385.986694
## 11811	3757.803	7421.579	972.476562
## 21495	3374.928	6291.000	1097.905151
## 10479	3381.420	6582.409	1699.553711
## 14799	3206.113	6677.000	1458.260010
## 16040	3906.504	7467.046	1026.674316
## 611	3620.465	7234.053	839.808289
## 18803	3294.406	6478.001	17.289009
## 13218	3781.368	7194.663	526.056824
## 7445	3720.114	7392.307	410.329529
## 8842	3559.883	6978.949	717.946106
## 9839	3654.067	7220.589	1450.495605
## 9337	3735.188	7236.477	1079.406494
## 19019	3674.527	7323.704	520.179199
## 2031	3692.549	7242.458	1582.569214
## 5046	3613.475	7011.046	1469.018188
## 3022	3333.293	6504.000	1591.995972
## 12311	3408.544	6942.189	859.963745
## 7802	3343.314	6541.000	1098.016113
## 14223	3597.100	7084.660	1856.923706
## 18194	3069.500	6957.957	119.039818
## 8796	3840.548	7486.438	701.462097
## 19018	3445.052	6757.500	1093.512573
## 7408	3469.941	6815.324	1096.396606
## 13900	3329.499	6545.000	1064.639038
## 15431	3360.932	6410.000	1076.917969
## 5916	3898.607	7734.657	1179.220947
## 10224	3566.420	7169.501	1242.658447
## 620	3556.422	7062.805	951.934204
## 13172	3838.891	7346.808	627.359985
## 17401	3662.084	7270.091	271.393494
## 5586	3622.697	7218.138	199.718796
## 10319	3752.603	7266.922	2191.485352

## 436	3378.039	6942.046	58.894283
## 2047	3575.500	6965.341	1515.894409
## 19308	3273.690	6656.001	1362.278931
## 14297	3637.230	7218.878	951.497009
## 10645	3792.765	7306.174	1910.630737
## 5614	3845.915	7500.570	1633.912476
## 11688	3870.769	7539.615	1498.696167
## 3038	3387.075	6658.334	1045.000610
## 22262	3574.633	6927.630	2304.614258
## 4874	3369.374	7065.418	614.306519
## 11534	3307.796	6185.002	14.890542
## 15223	3388.633	6524.074	472.556152
## 1970	3702.327	7322.457	1140.725952
## 13505	3734.843	7440.054	773.301147
## 8433	3371.706	6432.999	901.878906
## 19349	3856.834	7078.959	1522.276855
## 2372	3855.609	7515.000	1419.007812
## 20992	3642.554	6943.182	1236.769409
## 10121	3935.739	7615.122	1201.265625
## 10979	3344.958	6527.000	937.427490
## 12484	3327.102	6569.001	1054.375854
## 5268	3679.266	7149.527	814.709961
## 8392	3503.196	6841.178	633.631775
## 6474	3794.049	7431.182	1571.218994
## 7381	3374.807	6367.000	3491.247314
## 1090	3301.545	6570.000	753.053284
## 14651	3616.527	7029.443	1407.204346
## 4722	3705.405	7481.333	1192.907227
## 5203	3852.139	7402.315	927.048096
## 19225	3783.892	7275.686	1182.277222
## 19543	3860.867	7465.950	1124.038086
## 8535	3504.108	6699.220	1586.488037
## 4714	3777.032	7524.467	1375.807983
## 868	3444.458	6767.424	1422.981689
## 16454	3690.957	7261.251	813.102661
## 17557	3795.463	7485.098	446.571350
## 22364	3869.062	7329.358	1345.639282
## 365	3287.848	6601.000	458.872894
## 22340	3614.250	7085.796	2293.295410
## 564	3332.608	6286.001	77.333397
## 3820	3717.916	7488.463	1643.880249
## 12974	3744.951	7363.311	1258.457275
## 17931	3351.238	6465.000	1886.894531
## 2793	3796.861	7497.097	1511.731323
## 20638	3599.271	6951.222	845.464966
## 4162	3533.226	6925.000	851.697937
## 15008	3592.604	7073.216	1415.826660
## 6672	3920.482	7650.368	1239.076538
## 22082	3441.421	6824.194	1213.395264
## 3527	3583.035	6940.624	782.842651
## 18471	3629.333	6902.221	1626.707031
## 17992	3359.840	6499.001	1772.935059
## 18802	3886.398	7659.803	696.124390
## 13485	3572.632	6902.029	1429.458130

## 5239	3970.729	7623.630	1704.568359
## 8232	3350.744	6458.999	1285.135498
## 17303	3218.680	6587.000	928.130737
## 16889	3302.421	6556.001	541.350403
## 9676	3846.120	7474.761	1639.670166
## 21258	2867.085	6889.396	5.654449
## 14898	3355.017	6286.607	339.889832
## 13954	3492.023	6693.550	1212.435181
## 2811	3830.350	7684.317	1708.667603
## 17571	3403.414	6611.608	1885.770630
## 2514	3750.588	7190.236	832.727356
## 21979	3758.572	7089.918	2558.497070
## 8098	3445.857	6916.406	1001.594727
## 15579	3469.169	7067.568	1190.995850
## 9430	3868.421	7660.468	1572.516113
## 9953	3856.641	7395.833	1412.398071
## 1051	3936.334	7619.578	1120.743774
## 9406	3665.917	7180.935	985.739929
## 21785	3299.868	6549.076	451.368500
## 15938	3654.800	7084.184	1806.013428
## 14962	3290.336	6628.000	934.365356
## 7368	3963.490	7754.064	1268.034302
## 16176	3799.656	7475.797	1840.422974
## 20405	3330.134	6477.000	489.284332
## 4018	3876.908	7697.387	1407.801147
## 13984	3847.727	7486.197	401.814667
## 8895	3724.951	7180.466	609.225403
## 17478	3857.989	7441.854	1193.599731
## 5689	3894.358	7583.995	1196.746338
## 12910	3528.254	6932.224	966.152649
## 6269	3605.040	7061.049	1631.583496
## 1555	3555.706	7296.538	964.691467
## 11351	3847.117	7557.407	1814.005493
## 11799	3565.614	6444.445	606.184875
## 16723	3690.113	7399.999	1565.700562
## 7913	3145.768	6507.000	639.362183
## 12793	3712.272	7492.968	1375.686768
## 1864	3888.416	7615.290	1070.770752
## 6907	3486.066	6801.563	951.634399
## 18337	3556.371	6971.622	1403.098022
## 10235	3548.456	6966.072	556.975098
## 9162	3777.091	7486.457	3303.869385
## 18827	3314.827	6462.000	1010.115845
## 10968	3927.323	7534.105	1111.197266
## 7095	3693.696	7467.325	597.244995
## 22260	3865.413	7373.315	1492.768066
## 308	3783.204	7275.684	1053.926147
## 12399	3300.836	6607.002	1068.099609
## 3327	3650.252	7235.776	733.483521
## 15764	3092.105	6640.386	3051.081787
## 8263	3893.342	7469.032	1672.625366
## 10309	3380.032	6791.379	2421.790771
## 14810	3518.738	6385.608	90.528557
## 16014	3681.261	7280.667	1498.556519

## 19970	3671.998	7054.593	1110.788696
## 3752	3661.008	7202.359	918.648315
## 17443	3717.345	7314.945	1329.848877
## 19196	3353.995	6524.000	749.457397
## 6839	3846.344	7470.833	1121.833496
## 2383	3756.081	7349.369	1094.504639
## 12712	3452.609	6710.835	1738.775757
## 677	3763.320	7475.893	1216.209961
## 6716	3645.359	7348.438	567.744995
## 10795	3735.725	7324.623	816.928406
## 2987	3853.000	7461.774	769.700317
## 18760	3776.884	7272.699	1309.854614
## 16640	3385.506	6553.704	1227.201050
## 3249	3851.584	7602.671	1323.560791
## 21098	3543.110	6851.429	1412.884399
## 3416	3841.790	7541.863	1442.100952
## 714	3882.782	7645.202	1255.159912
## 14800	3817.240	7597.062	960.753052
## 9313	3370.139	6425.000	309.720703
## 8650	3942.050	7588.040	1344.766724
## 17909	3812.540	7302.208	1375.009644
## 13699	3459.851	6585.345	1092.848877
## 19841	3792.590	7343.989	882.923096
## 746	3335.213	6579.999	675.511292
## 657	3536.658	6892.858	1325.280396
## 4000	3947.948	7616.453	1549.655029
## 8416	3499.085	6787.123	698.605225
## 13447	3367.705	6619.231	1272.170166
## 6924	3350.759	6553.000	1121.338379
## 14048	3841.950	7572.875	789.142944
## 13067	3913.576	7552.031	1525.471436
## 12697	3825.471	7523.217	920.511169
## 18990	3780.322	7327.587	1138.273804
## 12222	3575.374	6866.448	2544.961914
## 13616	3676.334	6944.149	1403.621582
## 22017	3875.779	7516.665	1855.154663
## 2219	3751.245	7306.338	1445.013184
## 7158	3932.583	7425.658	1335.077515
## 1405	3338.294	6497.000	798.363403
## 16161	3352.326	6514.999	1222.719238
## 6752	3307.491	6367.000	605.796997
## 7537	3626.377	6965.699	2124.424805
## 8441	3437.454	6439.287	450.766052
## 13094	3738.401	7381.317	359.141876
## 8602	3757.849	7234.702	2243.527832
## 1898	3751.352	7442.340	1336.650146
## 728	3703.738	7290.679	1172.984131
## 12013	3604.241	7026.666	752.630127
## 19723	3888.894	7540.131	1601.351074
## 10768	3654.387	7197.684	724.806885
## 176	3285.473	6618.000	263.607056
## 22399	3529.066	6748.170	1000.559998
## 20483	3944.117	7608.827	1352.209717
## 1726	3101.867	6882.575	361.763794

## 278	3735.551	7286.153	1540.681152
## 19697	3359.874	6533.333	842.303040
## 9666	3679.782	7286.668	1460.937622
## 6855	3558.980	7091.666	561.754517
## 6603	3640.201	7135.207	1745.622681
## 14175	3741.322	7441.370	1299.625244
## 4024	3612.662	7279.385	1572.487061
## 5584	3331.299	6396.000	1631.034790
## 13359	3518.004	6950.694	806.423218
## 13289	3321.996	6394.001	1319.332764
## 13588	3368.075	6476.001	1576.302856
## 19929	3368.711	6438.001	1350.336914
## 21843	3868.356	7458.001	1936.054932
## 14309	3845.208	7545.735	2219.842529
## 8431	3777.423	7177.172	893.107910
## 13856	3850.942	7433.179	1324.975586
## 8226	3367.418	6465.001	1776.770142
## 6739	3937.600	7563.422	839.726196
## 8931	3897.706	7490.659	1315.654419
## 3992	3630.620	7115.625	1107.954224
## 17562	3874.767	7612.551	1059.127686
## 12059	3015.313	6414.656	88.824112
## 17972	3428.594	6622.415	1312.703979
## 10308	3317.177	6608.001	684.437073
## 17425	3748.079	7281.248	1536.203491
## 17370	2750.639	7024.342	459.615234
## 3068	3674.174	7280.357	1430.136963
## 9006	3873.755	7541.071	1884.328857
## 13645	3337.731	6560.001	1340.322998
## 9034	3348.927	6464.001	1300.669189
## 15032	3843.009	7255.222	1752.993286
## 4443	3746.213	7385.764	1888.566528
## 11452	1672.097	6424.000	379.645172
## 2382	3912.319	7609.201	1222.557129
## 4543	3683.056	7207.589	893.607239
## 7465	3351.784	6432.000	881.181152
## 10566	3239.546	6578.000	12.565877
## 1913	2331.636	7086.363	315.538879
## 15816	3277.554	6525.999	970.403076
## 19214	3438.281	6586.606	1394.312378
## 5953	3560.167	7111.627	314.052002
## 9985	3651.840	7201.390	873.602173
## 11977	3559.018	6931.757	585.552917
## 664	3553.136	6965.540	1078.353516
## 12231	3679.617	7129.544	1900.081055
## 21020	3358.478	6416.001	1794.538696
## 13906	3477.743	6780.646	1307.972534
## 19954	3565.357	6964.474	1316.546997
## 22310	3585.384	6912.501	1860.931396
## 16197	3809.558	7234.307	839.845032
## 8805	3340.480	6555.000	1484.745361
## 4717	3793.666	7531.664	1894.165039
## 20787	3897.474	7616.763	1102.033447
## 12960	3329.275	6526.002	1261.753906

## 2169	3771.739	7328.333	1038.530151
## 5547	3707.978	7417.665	710.637451
## 5959	3654.672	6986.958	1007.324890
## 10377	3692.986	7390.232	1622.714600
## 2483	3363.386	6426.000	949.047974
## 15911	3484.778	6665.325	2280.246338
## 10428	3358.829	6328.000	860.369385
## 11399	3348.617	6513.000	1206.973267
## 13746	3401.475	6583.929	950.365051
## 1417	3876.490	7521.120	1056.543823
## 7261	3795.255	7306.817	1256.262817
## 3860	3523.663	7006.411	938.430420
## 19847	3650.902	7159.796	1720.260132
## 7553	3872.776	7753.780	1449.635742
## 17032	3644.390	7242.455	999.956116
## 12919	3431.053	6553.572	1427.099365
## 13370	3745.736	7230.597	1164.216797
## 14497	3518.770	6743.383	317.029419
## 5969	3337.657	6473.000	216.055511
## 11074	3952.002	7626.017	1350.669189
## 17797	3551.329	6801.112	179.091202
## 952	3706.344	7156.580	1243.065063
## 6898	3759.823	6952.254	457.395081
## 3011	3680.578	7248.185	1297.550415
## 8088	3715.279	7130.833	1431.107300
## 1187	3450.339	6695.690	1940.201416
## 5027	3835.647	7629.223	671.919983
## 20962	3504.504	6717.190	1343.755005
## 1967	3750.261	7579.921	1204.904785
## 5319	3833.177	7449.473	1024.834229
## 15786	3353.160	6451.000	806.610901
## 10929	3158.882	7144.316	406.039612
## 16939	3420.239	6693.104	1075.134888
## 6668	3393.810	6683.036	705.644348
## 5306	3605.732	7012.209	1058.525879
## 15702	3589.609	7153.922	36.269314
## 13121	3550.042	7019.232	2469.173096
## 10406	3726.581	7334.468	785.866699
## 11036	3341.526	6537.962	364.366669
## 2826	3855.505	7618.873	1357.613892
## 13948	3647.202	6957.388	351.398010
## 9266	3516.095	6957.637	1108.235474
## 20234	3838.756	7530.841	374.944122
## 2442	3819.628	7453.867	1002.277283
## 1891	3672.265	7412.921	1057.246704
## 14391	3358.490	6461.000	926.349060
## 16812	3395.596	6653.573	1308.367798
## 2846	3610.434	7150.532	1653.774170
## 19681	3700.475	7366.786	1881.738770
## 19747	3745.899	7310.386	2012.073853
## 17525	3698.073	7477.529	230.468201
## 11589	3729.040	7340.433	587.929688
## 8185	3509.270	6972.674	487.329407
## 19477	3376.805	6549.040	1080.534912

## 13217	3497.381	6671.215	363.197540
## 16731	3642.650	7181.999	1259.409058
## 22392	3871.758	7349.000	870.748291
## 6502	3899.202	7658.212	1603.683228
## 386	3263.771	6437.002	66.130867
## 672	3597.132	6808.974	882.666260
## 17431	3616.264	6997.727	1626.500610
## 11256	3952.534	7585.506	1556.057983
## 19066	3618.285	6896.342	1063.624756
## 3289	3654.803	7423.914	1471.583984
## 20696	3370.462	6369.000	1257.974731
## 13612	3550.611	6879.167	1433.832275
## 15998	3866.773	7487.212	1322.907715
## 15991	3574.263	6834.869	1035.838867
## 17533	3365.899	6442.001	2205.907471
## 12964	3314.479	6567.000	2042.591553
## 2289	3683.091	7293.334	925.231812
## 20774	3359.457	6332.999	1705.039917
## 7333	3447.725	6785.835	1053.272949
## 17440	3734.289	7299.013	1020.976074
## 4680	3653.427	7011.172	1935.883179
## 11354	3319.791	6668.518	1209.954834
## 20270	3347.979	6473.001	1005.679077
## 7497	3680.794	7175.473	908.957764
## 18578	3936.692	7547.384	1344.558350
## 8571	3355.410	6544.000	1200.717407
## 19006	3302.775	6534.000	167.563049
## 510	3634.168	6981.667	762.628418
## 18749	3654.674	7113.830	1247.090210
## 15235	3448.200	6668.967	1272.914429
## 831	3910.310	7743.478	1144.557007
## 9081	3631.612	7034.091	1805.968872
## 4732	3399.898	6676.614	1149.030396
## 1129	3322.297	6563.000	897.687012
## 13246	3563.567	6803.472	2450.152344
## 22459	3336.727	6481.001	1252.459717
## 3439	3854.724	7556.285	1382.288452
## 779	3694.082	7249.140	1183.774170
## 9352	3742.214	7276.563	1419.865112
## 2706	3796.450	7162.780	1085.264526
## 12120	3560.065	6888.068	169.803207
## 560	3057.008	7035.368	7.503463
## 13745	3420.398	6608.623	997.671204
## 14514	3383.553	6702.679	1354.438477
## 11503	3477.023	6845.313	1686.015869
## 9902	3711.828	7151.788	1613.846924
## 170	3477.295	6646.096	49.948544
## 9155	3747.008	7311.279	730.288086
## 1983	3870.673	7635.083	1092.509521
## 12546	3871.368	7701.044	1724.791504
## 13381	3579.449	6903.292	1493.364380
## 15017	3548.817	7131.098	1142.562378
## 1962	3861.612	7675.946	879.226929
## 3511	3738.837	7339.789	1077.178101

## 1738	3360.843	6414.999	1004.901978
## 14546	3640.719	7282.936	947.354797
## 5518	3467.049	6956.062	2181.520264
## 14499	3602.748	6932.144	335.122192
## 21435	3905.987	7295.032	1133.417114
## 20711	3432.333	6566.072	1440.146362
## 9947	3905.469	7512.179	1256.232422
## 19690	3622.181	6862.222	838.416931
## 20209	3881.993	7497.294	1452.873413
## 11596	3344.540	6493.000	1368.487671
## 5564	3947.694	7572.482	1645.472656
## 14323	3462.881	6795.164	1451.627441
## 8152	3881.104	7572.222	576.772217
## 21515	3893.225	7377.099	1499.661377
## 5568	3945.430	7592.001	1078.091797
## 11533	3357.750	6044.001	45.401756
## 22149	3756.497	7591.666	820.437012
## 16119	3675.056	7098.076	742.043579
## 3453	3495.779	6771.877	2271.386963
## 16163	3331.775	6509.001	1286.717896
## 6564	3578.066	7211.111	847.001831
## 7703	3838.120	7325.125	1038.272095
## 5812	3482.899	6736.718	1119.844482
## 4506	3799.464	7176.566	332.751648
## 19570	3555.391	6888.690	1453.092041
## 22509	3852.525	7318.872	1000.513062
## 19107	3808.403	7472.224	1681.793457
## 13355	3335.544	6576.000	1632.287842
## 7676	3787.231	7141.428	2750.040283
## 6216	3810.553	7417.741	780.003601
## 2619	3784.752	7454.119	888.736389
## 10136	3936.655	7622.387	1657.103149
## 20334	3936.860	7526.227	1438.977783
## 13378	3731.435	7252.084	1125.886963
## 18940	3543.228	6855.558	524.422974
## 6261	3840.833	7334.047	1782.405518
## 20119	3373.610	6400.999	696.194092
## 5947	3219.269	6480.769	67.855545
## 22477	3525.758	6890.441	2520.453857
## 7475	3516.004	6820.590	1568.685181
## 20504	3334.074	6359.000	1227.929565
## 16400	3911.486	7626.051	1096.810547
## 22176	3863.269	7440.967	2913.210938
## 14893	3618.768	7173.404	868.807068
## 19781	3354.259	6467.000	1059.628052
## 460	3723.858	7156.562	975.475403
## 3963	3530.371	7000.658	898.216187
## 8290	3347.825	6476.000	957.257874
## 15300	3528.316	6888.194	1331.580688
## 10024	3353.180	6339.000	1128.088867
## 5001	3851.646	7411.854	1456.829712
## 6221	3578.898	6804.605	1349.753052
## 1220	3603.396	7038.952	744.359619
## 15507	3391.107	6577.778	993.123169

## 13516	3332.211	6432.001	168.009979
## 21139	3680.111	7078.572	1303.360107
## 16219	3073.569	7078.978	995.492859
## 10077	3949.332	7464.535	1603.558105
## 5779	3726.378	7152.194	2010.922363
## 6073	3906.794	7571.288	1658.745850
## 13064	3895.286	7582.399	1221.219238
## 18574	3931.090	7587.176	1199.578247
## 15035	3910.852	7387.834	1641.958496
## 4913	3830.543	7542.677	1199.055176
## 10872	3488.125	6926.471	552.382446
## 21025	3330.841	6559.000	1931.676636
## 12934	3900.482	7446.070	1470.519409
## 4798	3745.948	7061.740	936.280151
## 21897	3879.542	7552.966	981.861206
## 4684	3874.044	7703.316	1709.690308
## 15756	3551.818	6937.840	535.244324
## 12847	3814.630	7492.339	1543.784302
## 15995	3651.895	6932.777	1539.665283
## 18468	3882.873	7571.091	1134.520752
## 23	3772.391	7488.259	629.294495
## 15766	3411.855	6627.779	2018.214355
## 13450	3450.387	6795.163	1172.577881
## 6744	3850.021	7405.680	567.408630
## 7496	3884.844	7573.256	1028.811646
## 11996	3288.083	6419.000	1420.156616
## 7779	3425.116	6659.484	366.496613
## 12257	3864.272	7449.065	1433.954834
## 22119	3546.905	7036.250	841.065979
## 7874	3722.038	7277.382	2144.661865
## 10756	3012.555	6375.862	125.264389
## 2771	3334.838	6432.000	1335.511353
## 22295	3690.917	7167.727	1409.638062
## 10366	3461.952	6644.167	1015.544739
## 15451	3851.312	7502.352	1320.063232
## 8772	3395.900	6793.968	525.642822
## 7072	3753.090	7558.120	296.776917
## 19382	3644.848	7052.315	117.987007
## 9246	3643.989	7221.568	809.741882
## 20258	3637.002	7155.558	424.170319
## 18853	3952.482	7613.602	1462.991455
## 19887	3152.288	7347.182	1296.952881
## 13580	3590.328	6938.159	1985.224487
## 13024	3453.224	7453.056	326.827148
## 16633	3756.151	7421.579	1301.215210
## 1434	3829.945	7489.036	912.483398
## 1674	3837.002	7596.433	1206.261108
## 4884	3447.093	6944.118	991.362000
## 6869	3797.911	7441.792	678.641296
## 10152	3404.325	6820.691	1588.389526
## 10388	3553.885	6765.542	1390.277344
## 12459	3313.286	7556.697	63.044712
## 12376	3575.670	7132.065	339.972046
## 8310	3520.589	6875.675	320.005920

## 10251	3905.299	7565.531	1231.389771
## 16186	3294.033	6636.000	1018.180542
## 10353	3398.406	6575.002	702.841309
## 2138	3857.204	7547.092	1247.119385
## 16030	3725.363	7354.577	1237.624023
## 20574	3811.986	7496.213	1746.698730
## 12862	3619.188	7001.000	1676.681396
## 626	3622.932	7055.113	829.538635
## 9509	3507.167	6801.470	442.869568
## 15719	3737.243	7297.183	1215.720215
## 18230	3317.224	6629.001	984.945923
## 7856	3735.793	7425.303	951.352783
## 17361	3494.974	7053.661	627.038025
## 4502	3850.822	7480.342	445.579041
## 11910	3455.193	7200.443	122.212563
## 6382	3368.174	6529.809	246.833023
## 11049	3322.034	6502.002	504.064087
## 20523	3351.205	6435.000	2296.087402
## 13584	3435.459	6631.251	1700.353516
## 17087	3931.743	7588.424	1378.927856
## 5397	3443.586	6521.667	1271.697021
## 22127	3865.040	7642.796	934.845337
## 12324	3309.767	6632.000	358.690247
## 21441	3848.375	7240.625	1353.395752
## 2165	3792.276	7539.322	1388.140869
## 5905	3938.103	7575.030	1404.458130
## 15241	3315.538	6249.000	247.437714
## 18944	3620.396	6867.074	831.950012
## 526	3733.277	7285.230	1472.589355
## 7311	3782.727	7273.563	552.440857
## 387	3406.355	6857.238	25.362638
## 13518	3782.608	7503.000	1045.232056
## 20241	3835.029	7563.116	564.674927
## 17128	3704.843	7427.247	607.742432
## 13434	3748.115	7398.946	1205.362793
## 7429	3489.120	7414.951	855.927979
## 4795	3901.338	7542.515	1745.909790
## 5715	3840.963	7563.425	1039.526001
## 18928	3782.692	7258.562	827.164490
## 19085	3807.126	7373.826	938.561279
## 11072	3097.781	6602.001	2.515236
## 11436	3784.640	7318.294	922.571899
## 4182	3600.514	7098.532	1456.719116
## 16771	3839.361	7490.682	1136.563232
## 9978	3582.273	7190.566	606.012634
## 3077	3868.793	7484.616	1298.691528
## 9941	3527.015	6721.428	1476.125854
## 14479	3818.434	7509.292	1454.779053
## 2755	3770.631	7285.764	1072.492432
## 12807	3856.195	7654.061	306.416687
## 6988	3379.242	6540.384	2175.388184
## 2583	3846.901	7436.562	793.685303
## 3445	3785.934	7410.795	1253.968628
## 1030	3431.681	6842.569	918.856934

## 15456	3253.515	6585.001	1223.964600
## 18530	3693.252	7433.806	645.527527
## 10088	3878.067	7527.704	1322.533081
## 3247	3905.324	7624.025	1146.333374
## 7140	3824.356	7517.873	1673.592896
## 15584	3302.145	6621.000	1319.148926
## 12608	3560.076	6913.514	1147.369873
## 13205	3931.444	7600.734	1926.659912
## 13808	3362.198	6451.000	1833.343384
## 15133	3330.901	6528.001	706.137512
## 20628	3415.464	6537.963	1045.747192
## 7393	3733.410	7014.913	1590.847046
## 12275	3352.479	6677.778	668.190796
## 10378	3303.027	6636.001	1879.250366
## 15199	3583.968	6813.158	308.957306
## 13136	3308.748	6548.000	1559.742065
## 21707	3914.236	7494.703	883.687744
## 11329	3571.698	6733.786	2043.264648
## 7272	3182.276	6621.875	224.475174
## 21140	3604.072	7004.271	992.042847
## 13779	3296.412	6597.115	180.313797
## 19246	3928.557	7505.958	914.822815
## 15964	3460.717	6882.576	657.293335
## 16823	3852.158	7474.792	894.175903
## 4387	3347.150	6563.888	1240.246704
## 10570	3657.885	6993.478	1226.271118
## 858	3567.450	7165.909	1144.132446
## 2296	3859.479	7524.544	1136.570923
## 17594	3420.202	6731.454	798.091492
## 9789	3438.512	6787.501	935.088806
## 9190	3597.079	7046.513	1402.166138
## 12610	3828.279	7612.307	959.035583
## 21836	3340.686	6554.000	1859.949097
## 19083	3415.135	6543.519	1157.915039
## 16645	3700.660	7229.582	521.887817
## 18239	3380.696	6562.500	1166.061401
## 20754	3348.626	6455.999	1418.219727
## 15977	3357.143	6527.885	770.290222
## 532	3318.003	6634.001	487.785797
## 9375	3809.570	7514.620	1507.642456
## 17230	3838.927	7478.792	1724.855713
## 10234	3554.777	7436.562	567.467163
## 13192	3515.113	6752.275	1645.255371
## 9906	3373.729	6363.000	1743.216431
## 19282	3765.047	7287.786	922.580811
## 531	3615.085	7201.063	693.740601
## 1847	3556.656	7004.606	1516.101929
## 2012	3895.563	7516.740	922.833862
## 3147	3645.029	7015.557	892.187439
## 21046	3313.876	6615.002	591.503174
## 22369	3921.669	7438.611	1336.545898
## 11923	3857.265	7673.003	746.650574
## 3986	3912.100	7573.890	1492.547241
## 3645	3768.583	7354.465	1078.131958

## 17275	3291.198	6563.001	1159.965210
## 4057	3558.577	7192.552	695.489441
## 4050	3622.740	7174.999	2392.499512
## 4701	3060.007	7525.001	42.146969
## 7154	3846.875	7555.032	1026.241089
## 6201	3263.328	7030.556	7.731982
## 12248	3333.409	6442.000	2254.707520
## 9158	3872.113	7709.386	783.931824
## 4248	3702.686	7316.533	1269.178955
## 8675	3896.853	7344.663	1127.152954
## 18269	3689.856	7116.517	2657.236084
## 10427	3462.598	6568.383	733.094788
## 15663	3615.213	7291.785	260.989777
## 13764	3809.466	7331.182	1199.061401
## 4213	3793.241	7580.495	1758.728149
## 17802	3506.156	6954.167	1132.137573
## 19111	3580.044	6949.360	2344.468018
## 6860	3335.225	6590.002	1073.495483
## 18596	3814.715	7460.714	1378.474121
## 8972	3914.735	7487.083	1192.109985
## 1043	3820.756	7472.297	1152.889038
## 12316	3431.191	6913.282	877.721924
## 14036	3826.353	7598.796	701.583130
## 1156	3822.194	7341.747	1329.788452
## 13223	3865.208	7360.939	1416.968384
## 17285	3686.757	7228.391	1057.382446
## 14686	3823.071	7652.864	798.248047
## 7356	3736.101	7339.706	1618.236816
## 8211	3871.859	7655.329	1040.836670
## 7740	3667.896	7186.273	1194.091675
## 13534	3724.123	7342.069	1251.780884
## 17681	3331.614	6602.002	1073.872925
## 11997	3356.838	6545.001	485.839050
## 20264	3500.504	6728.124	2713.764893
## 22497	3350.717	6523.000	1018.621338
## 16094	3323.257	6610.185	1158.458008
## 10389	3338.148	6559.001	518.487305
## 3996	3917.119	7616.420	1277.655029
## 3753	3784.118	7398.125	1269.081909
## 5533	3779.254	7298.781	1279.605713
## 4570	3865.924	7426.309	1141.563232
## 8156	3819.335	7417.750	258.536163
## 13035	3234.205	6739.423	299.474731
## 4286	3350.309	6560.002	1095.943848
## 16109	3803.207	7250.925	1256.416382
## 10275	3327.823	6554.000	1636.985107
## 6675	3798.086	7314.423	1541.256348
## 19444	3616.546	6951.220	1132.168213
## 20064	3383.405	6665.741	2321.538086
## 5245	3942.315	7565.348	974.954285
## 18713	3762.559	7262.316	1002.293030
## 8101	3519.529	7025.676	970.594360
## 3202	3547.982	7559.408	876.553650
## 9760	3692.709	7274.998	565.876831

## 9904	3509.111	6801.517	1345.878052
## 9845	3645.531	7137.498	1773.229736
## 17078	3731.088	7144.346	612.890381
## 16752	3499.693	7259.913	467.975922
## 16041	3684.130	7191.509	1504.670898
## 18097	3490.342	6746.093	1131.477783
## 7008	3750.765	7275.940	160.293579
## 4952	3736.689	7457.630	553.967834
## 2417	3745.636	7474.703	1530.820923
## 17309	3297.385	6505.000	370.059998
## 19188	3567.540	6864.189	1312.441650
## 3597	3703.117	7212.932	2217.772217
## 13592	3674.171	7001.042	1261.663818
## 9236	3540.436	6890.791	1681.900513
## 5387	3753.595	7490.527	762.460022
## 444	3271.793	6513.000	559.351196
## 19870	3815.691	7281.794	1596.278442
## 4495	3505.847	7316.947	740.518494
## 13103	3758.996	7326.625	769.726257
## 12420	3727.648	7214.408	2189.873047
## 12001	3547.139	6905.408	740.371704
## 5609	3650.170	7326.954	1129.182251
## 12485	3336.832	6563.001	1201.496704
## 2275	3563.911	6991.447	999.034912
## 1328	3794.633	7516.980	1688.434814
## 1623	3831.062	7453.662	587.567139
## 14239	3594.020	7024.444	1459.732056
## 9549	3603.617	6988.096	441.887329
## 16179	3658.026	7481.048	1177.706177
## 10909	1708.787	7330.172	0.010771
## 5523	3333.447	6471.001	712.565796
## 3203	3732.316	7472.198	806.563965
## 11808	3370.934	6465.001	1310.634644
## 13847	3357.998	6484.000	1043.361816
## 21999	3880.860	7573.632	2221.586914
## 17402	3783.612	7297.187	1834.880005
## 2327	3773.489	7231.000	726.060181
## 14111	3628.494	7014.166	362.335602
## 3712	3888.690	7540.609	1686.296875
## 5718	3858.746	7519.969	1305.083252
## 909	3866.326	7278.306	1378.083008
## 18431	3897.919	7479.485	1699.040283
## 5026	3842.464	7708.618	1006.910095
## 20977	3456.733	6627.587	1512.267334
## 11969	3862.574	7640.026	220.689255
## 18444	3882.396	7512.672	1299.463623
## 2971	3730.619	7210.983	1035.604004
## 18141	3635.098	7402.733	1133.838135
## 13426	3691.978	7111.276	1429.702393
## 6971	3769.734	7403.489	681.174622
## 17512	3458.189	6992.107	312.512390
## 13227	3859.840	7658.500	769.627258
## 579	2931.438	7168.283	239.971573
## 10837	3763.332	7620.719	731.759155

## 14509	3877.156	7655.915	1049.268066
## 14025	3938.917	7513.614	887.720398
## 7636	3647.015	7107.550	226.664246
## 22373	3462.234	6553.227	1554.503906
## 13514	3722.025	7087.712	478.416229
## 5772	3721.322	7142.273	2112.823242
## 14693	3520.226	6711.765	1285.287476
## 16520	3571.386	7112.083	1575.553589
## 2201	3780.570	7669.021	1099.483765
## 2577	3707.807	7513.179	906.531250
## 15790	3489.241	6836.720	457.510498
## 776	3646.615	7170.917	1972.138916
## 13964	3342.669	6538.001	770.133179
## 4556	3663.997	7287.273	781.760986
## 3406	3906.155	7632.532	1404.379639
## 19698	3919.295	7584.736	1418.914185
## 2547	3635.696	7539.947	1162.876099
## 11089	3921.787	7571.668	1137.621460
## 2107	3913.728	7687.182	1057.143677
## 1668	3314.936	6435.000	854.836548
## 9927	3938.376	7649.771	1696.194092
## 4496	3745.567	7352.054	1016.363098
## 9404	3788.849	7397.002	876.606140
## 9173	3439.149	6718.967	2129.658936
## 3410	3961.740	7749.576	1566.881714
## 6091	3535.093	6905.556	1957.423462
## 16188	3308.771	6571.000	552.894104
## 20927	3624.492	7064.445	2265.937988
## 19725	3609.365	7006.976	2047.833862
## 7340	3530.492	6959.868	291.611053
## 3952	3312.268	6555.001	1216.585083
## 1420	3934.315	7675.374	1677.983887
## 505	3346.315	6532.000	1246.243408
## 7750	3490.808	6770.314	1065.169312
## 5522	3471.372	6513.333	1768.241699
## 8061	3951.017	7385.688	2285.687744
## 11007	3734.792	7344.009	528.174194
## 1178	3409.259	6615.740	3331.151611
## 9613	3357.528	6350.960	1907.253052
## 11366	3386.920	6805.834	590.090637
## 21874	3615.495	7007.143	1760.029175
## 3990	3921.849	7632.990	1472.923828
## 8478	3437.108	6654.312	1609.278320
## 6627	3312.677	6709.260	331.723236
## 5797	3746.617	7189.516	1261.073853
## 15069	3505.323	6903.676	1234.574463
## 12565	3251.076	6650.001	809.301941
## 3690	3804.812	7341.875	1387.377441
## 15252	3579.592	7238.332	3050.091064
## 15026	3575.804	6892.763	1441.160278
## 2992	3914.266	7621.247	815.622131
## 15752	2965.999	6567.001	0.772298
## 15	3294.694	6611.001	247.577713
## 7873	3551.389	6974.358	1288.031128

## 14953	3728.272	7211.903	1366.783447
## 1320	3640.052	6895.455	820.930908
## 1464	3742.512	7285.938	1285.146484
## 4279	3585.098	7000.000	1004.615295
## 4758	3830.406	7428.898	711.617798
## 10700	3846.619	7713.983	1389.161743
## 20077	3320.851	6578.001	752.639038
## 423	3876.578	7511.747	346.887909
## 1477	3395.785	6679.312	1187.849731
## 17048	3578.203	7041.489	602.077209
## 12679	3885.905	7595.239	1262.263184
## 16270	3896.444	7655.202	1106.320190
## 15086	3347.013	6625.000	2400.147217
## 16679	3400.554	6493.519	248.094025
## 8150	3567.751	6889.189	568.729248
## 9635	3747.698	7245.424	1643.211914
## 21648	3563.600	6820.139	1134.704468
## 22290	3524.250	7215.001	159.260284
## 5000	3818.251	7580.606	1443.186157
## 12099	3799.555	7262.960	1499.446777
## 16331	3381.632	6515.385	793.480835
## 16572	3271.953	6618.001	755.265808
## 6851	3587.232	7101.221	987.959106
## 1029	3470.193	6791.911	1216.615356
## 20439	3708.490	7237.095	1290.733643
## 20072	3673.687	7249.592	226.955887
## 14241	3385.094	6724.140	1515.317627
## 5097	3854.124	7614.241	1164.351440
## 15160	3336.496	6590.000	1192.376221
## 13576	3472.215	6767.744	857.134399
## 2947	3758.657	7295.458	1178.303101
## 21384	3370.000	6415.000	1776.994019
## 1347	3350.154	7580.316	886.792236
## 10149	3768.748	7571.321	781.117249
## 5626	3897.305	7641.114	1571.509155
## 3414	3786.651	7454.166	1486.883301
## 8794	3884.012	7558.956	1862.012817
## 20932	3316.875	6588.000	1194.046387
## 5173	3358.463	6571.154	765.686157
## 21541	3412.454	6809.679	560.979492
## 2170	3744.233	7387.500	1294.235718
## 15975	3324.059	6595.000	1161.247559
## 6780	3622.417	7069.793	193.355194
## 18234	3517.897	6894.286	1105.694214
## 2953	3347.821	6617.859	862.029724
## 106	3820.488	7461.315	678.780029
## 10011	3950.710	7583.079	1273.554443
## 8785	3263.296	6667.000	311.935730
## 19181	3468.794	6727.420	800.257141
## 600	3349.469	6536.000	863.107300
## 15735	3873.049	7617.005	564.154785
## 18572	3446.404	6400.001	780.284180
## 21452	3742.537	7608.283	1063.929565
## 1266	3907.453	7611.739	1458.729858

## 14304	3689.415	7576.785	1412.107178
## 352	3784.894	7532.692	916.006592
## 12937	1169.521	6945.395	0.001917
## 21890	3788.182	7249.296	2109.951660
## 11336	3406.227	6643.749	1666.984985
## 9939	3822.201	7366.029	1149.532471
## 4769	3932.979	7691.645	1736.606689
## 13987	3920.828	7559.174	1706.031250
## 11514	3823.346	7386.597	1024.006592
## 14968	3289.042	6651.001	2734.329346
## 11741	3876.307	7526.053	1183.720825
## 21665	3687.740	6967.859	1457.263794
## 1560	3941.885	7294.944	943.386719
## 10591	3829.651	7468.949	1828.045166
## 16677	3333.067	7071.623	16.731777
## 9410	3694.855	7318.093	625.633362
## 18345	3552.349	6906.757	1417.416626
## 12293	3756.512	7224.243	582.849365
## 4149	3652.182	7721.739	1066.326416
## 6846	3535.395	6847.224	901.297180
## 8978	3923.730	7556.493	1351.730957
## 20936	3519.440	6960.418	1078.629883
## 16857	3355.032	6407.000	1356.194458
## 6290	3310.655	6507.999	689.925537
## 3750	3523.253	6822.060	1270.775146
## 11749	3917.279	7460.292	1612.218384
## 19576	3751.009	7306.170	865.682312
## 12809	3625.328	7725.926	680.064392
## 9662	3455.919	6758.873	1118.900635
## 2070	3553.548	7160.365	2695.842285
## 12678	3904.719	7732.483	1440.680908
## 13184	3631.079	7039.207	1424.551392
## 11363	3703.245	7306.156	1062.833618
## 16791	3315.670	6590.001	395.499329
## 12987	3529.682	6978.379	1801.147705
## 5573	3564.887	6645.834	1228.993286
## 21614	3638.050	7058.151	1149.268921
## 12368	3647.401	7479.107	226.105759
## 11708	3903.595	7645.544	1448.827271
## 3466	3700.369	7245.001	817.958130
## 2167	3783.739	7436.932	1021.640869
## 11297	3442.670	6772.500	496.766541
## 1571	3737.677	7281.250	1638.258667
## 13197	3365.241	6482.001	1508.140381
## 20142	3362.352	6423.001	1022.496460
## 9500	3368.499	6414.002	913.545776
## 4575	3753.072	7318.056	1901.957886
## 12766	3636.081	7321.818	2018.147095
## 15221	3483.316	6912.182	718.756226
## 7254	3792.421	7267.232	1990.217285
## 4393	3371.854	6663.889	1108.348511
## 19170	3509.468	6704.688	640.193359
## 12920	3347.608	6449.001	1689.355225
## 20206	3592.065	6619.081	955.866638

## 19853	3876.917	7622.551	1692.503052
## 3598	3796.254	7529.509	1164.096680
## 8359	3605.385	7245.339	709.977051
## 13572	3724.377	7200.835	1452.430908
## 18011	3781.552	7410.627	717.423340
## 733	3786.916	7520.161	915.415039
## 7117	3789.611	7458.424	1525.604004
## 15934	3610.020	7359.703	931.834839
## 20288	3938.602	7618.989	1549.458984
## 10702	3638.185	7223.499	1094.475464
## 21426	3453.165	6839.286	391.961151
## 14078	3900.372	7627.299	1022.860107
## 14126	3387.802	6625.002	1547.786377
## 8432	3843.752	7316.752	816.526489
## 10978	3634.072	7067.936	1184.662354
## 5771	3652.503	7091.848	1343.369141
## 9041	3518.209	6908.090	895.928955
## 20107	3768.741	7215.301	1597.515137
## 22254	3422.094	6736.488	91.381927
## 13968	3490.069	6792.968	1174.579956
## 10805	3292.178	6669.000	1590.102539
## 7247	3437.969	6721.876	665.371399
## 21899	3805.720	7393.868	1213.221680
## 2806	3856.063	7583.923	1146.116455
## 1413	3907.432	7531.110	1284.500610
## 5089	3337.000	6591.000	1731.397461
## 22240	3686.537	7336.694	640.948853
## 11303	3582.055	6760.254	649.715576
## 11198	3658.281	7284.425	1054.751099
## 13785	3713.430	7362.305	1617.843018
## 11843	3770.129	7388.128	1459.248047
## 21290	3777.563	7650.425	203.067459
## 1362	3730.049	7299.207	1053.473755
## 4207	3777.491	7466.314	1510.777222
## 20826	3797.125	7315.245	1455.715942
## 20123	3564.287	6802.084	316.705322
## 19572	3803.762	7294.035	2052.544678
## 18012	3824.048	7628.719	1507.901245
## 18748	3729.382	7247.500	735.709656
## 3874	3363.815	6440.000	972.889587
## 551	3447.638	6972.917	1082.522339
## 21616	3566.880	6948.027	1079.553223
## 10578	3520.313	7015.131	1775.008545
## 10008	3945.358	7475.000	1345.270996
## 13631	3366.505	6471.001	1308.714844
## 19744	3326.955	6477.999	1473.172241
## 12149	3442.593	6441.964	1681.117065
## 5176	3627.722	7064.675	1010.516357
## 14658	3311.259	6617.308	517.695129
## 17662	3289.667	6491.000	412.830048
## 5276	3361.299	6764.845	49.848072
## 11627	3861.003	7479.413	719.591675
## 9737	3881.604	7562.666	1511.072388
## 21396	3509.335	6700.782	1251.153320

## 19212	3753.360	7302.650	1166.832520
## 18098	3340.127	6308.000	734.968994
## 3105	3662.839	7150.470	1771.029541
## 20475	3762.346	7133.210	1579.671021
## 14496	3354.546	6431.000	330.277100
## 13089	3946.062	7662.952	1166.898193
## 20836	3662.612	7025.000	1419.253418
## 18693	3463.902	6779.840	945.829468
## 1285	3681.214	7471.576	1543.079712
## 8234	3861.619	7574.833	616.395996
## 1618	3900.381	7495.349	1018.516113
## 1713	3721.300	7405.927	1096.191895
## 17349	3685.844	7328.448	804.780334
## 1159	3809.220	7324.001	1261.951416
## 9187	3857.569	7552.105	1246.262207
## 8963	3854.060	7472.160	1429.887939
## 3741	3750.762	7430.646	1228.255981
## 15394	3526.613	6727.208	955.403564
## 10608	3643.911	7405.767	958.398926
## 21588	3464.565	6802.345	634.889465
## 18306	3906.579	7500.362	1740.985962
## 12063	3612.837	6705.556	283.677551
## 9691	3838.209	7362.237	1426.251221
## 8180	3340.211	6497.000	1219.949463
## 4394	3339.634	6634.615	781.768372
## 8170	3553.100	6901.220	1108.644409
## 5633	3840.377	7558.701	816.725586
## 3531	3700.461	7334.017	801.820251
## 19980	3790.518	7138.375	846.815430
## 5074	3328.328	6519.000	743.698669
## 19116	3299.386	6543.000	201.664398
## 18603	3958.695	7546.279	1160.546265
## 14289	3658.156	7231.363	683.140259
## 8941	3807.196	7501.348	1143.839478
## 12992	3488.505	6725.808	1089.899658
## 12298	3833.236	7561.384	836.275391
## 8784	3381.354	6642.593	272.699585
## 12592	3329.996	6538.000	590.309326
## 7277	3754.972	7361.748	238.039886
## 19277	3426.157	6559.483	820.768188
## 11375	3869.596	7525.194	1096.900879
## 19497	3344.131	6568.001	1515.249878
## 12722	3540.011	7093.455	1309.342163
## 17716	3142.081	6651.000	8.757215
## 13883	3756.624	7329.393	1725.761353
## 2243	3334.762	6542.000	1576.225830
## 11207	3596.348	6990.700	660.092163
## 15780	3709.246	7154.545	1151.308105
## 3588	3316.474	6547.001	846.617737
## 3259	3722.219	7492.228	1669.184082
## 13498	3854.581	7524.333	600.271057
## 13072	3934.238	7581.000	1438.387695
## 14789	3428.105	6724.139	1158.895508
## 4637	3684.332	7313.160	1423.508423

## 10337	3851.264	7486.112	1275.039429
## 13231	3198.650	6278.000	681.593750
## 6143	3908.429	7569.433	1375.350952
## 296	3709.369	7158.184	1391.618896
## 16315	3889.862	7590.931	1273.537354
## 7785	3359.210	6502.998	575.948792
## 5106	3585.637	7262.757	1395.823730
## 1281	3532.267	6869.285	920.808655
## 6200	3085.011	6662.000	6.756580
## 11292	3336.392	6500.000	1488.439331
## 13049	3389.621	6608.928	297.520721
## 2750	3898.101	7661.996	1403.735962
## 2019	3611.923	6957.144	1201.560059
## 15912	3711.976	7206.779	1759.041016
## 16103	3896.747	7449.373	1570.997803
## 11271	3958.244	7555.861	1505.828003
## 9786	3323.071	6478.001	1091.183960
## 1691	3773.168	7466.281	1073.135498
## 25	3777.803	7473.094	431.677124
## 1310	3438.665	6692.500	1434.432373
## 4023	3804.180	7529.854	1696.697144
## 19762	3526.310	6930.923	211.295349
## 16815	3715.742	7393.351	1127.803711
## 21497	3369.553	6283.000	596.025757
## 5515	3502.315	6941.911	2273.345459
## 6416	3516.285	6915.133	344.319977
## 10749	3645.734	7254.508	111.089005
## 21937	3940.361	7529.744	1790.872192
## 18873	3372.346	6504.809	744.441772
## 15109	3612.746	6937.500	1727.235840
## 14684	3363.183	6501.924	1361.779175
## 5293	3517.489	6971.528	664.417786
## 10642	3728.639	7232.541	1707.609375
## 5990	3876.225	7446.763	381.785156
## 2131	3720.682	7221.311	1781.391602
## 7364	3342.760	6466.001	837.683655
## 13972	3356.207	6579.000	890.059875
## 16546	3352.540	6774.107	1770.239258
## 14171	3877.347	7674.031	900.382751
## 12537	3596.091	6879.376	501.224670
## 761	3758.576	7323.188	1330.866211
## 1137	3888.110	7610.041	1430.843994
## 14368	3564.136	6803.473	649.595642
## 13385	3434.569	6604.465	1424.617554
## 11822	3242.786	6999.342	85.305893
## 19203	3478.028	6701.614	1278.895508
## 1498	3824.379	7389.320	1393.759277
## 6817	3731.915	7162.295	1704.969849
## 16105	3424.974	6571.428	1174.164917
## 15134	3646.356	7344.922	863.216309
## 22133	3453.396	6643.334	1604.512329
## 21608	3697.377	7308.751	1299.498779
## 1507	3931.816	7715.656	1403.244873
## 2882	3816.948	7379.336	1456.977539

## 4998	3716.917	7364.015	1096.375732
## 21034	3310.544	6484.000	273.494415
## 15318	3421.878	6793.965	1046.182251
## 19973	3363.331	6492.001	772.458130
## 21123	3527.059	6818.383	1150.425537
## 9646	3523.686	7011.486	761.567322
## 252	2901.092	6703.704	67.091156
## 2849	3764.954	7316.783	1190.198975
## 18331	3518.838	6809.850	837.199951
## 6391	3859.060	7470.946	810.275208
## 9926	3941.029	7668.576	1485.484863
## 1750	3320.872	6538.000	1182.563477
## 10822	3365.106	6461.999	1122.611694
## 8097	3407.616	6845.834	817.230042
## 9901	3534.385	6751.471	1267.818970
## 40	3310.056	6609.000	984.783203
## 17056	3710.230	7166.790	991.780884
## 13770	3751.082	7409.124	1328.674561
## 6745	3858.540	7403.448	555.529663
## 14069	3489.874	6825.002	2963.231689
## 8750	3351.402	6844.356	99.373680
## 5833	3883.960	7452.934	1688.025391
## 20602	3671.783	7138.726	1351.052002
## 7374	3565.112	6701.251	1825.035767
## 685	3905.466	7697.994	1052.854614
## 16598	3550.346	6952.703	830.887329
## 19749	3899.919	7597.899	2114.217529
## 11377	3337.362	6563.000	1040.906860
## 15550	3798.363	7499.447	1347.008789
## 7880	3317.672	6483.000	1119.497681
## 13762	3655.368	7254.168	451.644287
## 16614	3734.795	7311.925	932.070007
## 3042	3522.489	6923.027	1387.962402
## 8280	3370.153	6676.853	981.316040
## 9716	3361.513	6485.001	1104.041260
## 16573	3761.389	7419.483	1968.391357
## 3302	3850.054	7602.200	1436.482666
## 609	3823.315	7491.817	927.924927
## 9167	3748.500	7410.526	1082.155029
## 462	3632.535	6909.302	758.534241
## 20973	3786.821	7260.616	1399.026489
## 3016	3676.381	7248.637	1252.587402
## 22246	3507.673	6859.560	1297.391602
## 7491	3595.448	7132.955	703.692444
## 13502	3369.389	7284.617	391.645142
## 9917	3353.898	6524.000	1070.912720
## 10435	3491.443	6887.123	1333.981445
## 5140	3771.984	7488.112	1544.147461
## 12732	3401.607	6742.857	1666.864258
## 22045	3349.741	6487.001	1410.546387
## 6722	3682.015	7071.760	1780.480103
## 11608	3396.682	7065.760	1978.864258
## 14282	3755.082	7184.285	1735.420776
## 16363	3473.884	7174.417	266.406586

## 16961	3593.772	7076.219	700.715759
## 21184	3833.410	7525.227	1143.150879
## 983	3762.652	7440.360	2067.399414
## 12027	3743.664	7272.306	542.735901
## 1241	3797.896	7433.259	1016.914429
## 8949	3338.007	6458.000	2742.646484
## 6857	3523.103	6972.859	1170.678589
## 17351	3337.769	6560.000	770.264771
## 13256	3871.529	7505.572	1724.124878
## 9234	3449.337	6764.519	658.313965
## 13838	3554.586	6797.145	1448.024658
## 17224	3801.499	7458.134	613.772705
## 18142	3666.870	7343.359	1216.173706
## 15210	3736.825	7382.143	1558.233154
## 18671	3290.523	6541.001	153.618301
## 18138	3206.729	6993.938	1293.123169
## 2029	3764.077	7395.572	1279.726196
## 19404	3522.104	6990.540	1364.621338
## 19043	3358.802	6488.000	766.651184
## 12830	3291.900	6450.000	435.539551
## 20663	3403.745	6643.104	572.908020
## 3993	3760.120	7331.510	1547.020508
## 1588	3904.131	7638.192	1045.935059
## 12005	3462.627	6772.656	960.665161
## 11173	3342.417	6480.001	1510.901978
## 13528	3722.587	7443.157	876.143738
## 639	3873.672	7545.981	868.404053
## 9719	3365.604	6506.000	1454.330688
## 19969	3580.778	6874.344	1223.415283
## 20586	3340.039	6612.502	1206.062256
## 10851	3722.449	7427.500	710.677185
## 459	3371.577	6629.167	753.692139
## 15859	3681.412	7189.708	1684.902832
## 17534	3810.400	7343.134	1973.862061
## 11632	3901.029	7372.426	1589.860962
## 15278	3341.423	6542.999	1123.051025
## 16444	3437.392	6688.793	2179.378418
## 17670	3194.406	7363.354	1001.489075
## 3773	3594.000	7037.223	1109.913818
## 14853	3332.673	6563.000	1415.110352
## 2749	3737.822	7309.249	1328.729736
## 21941	3947.923	7631.372	1266.721680
## 15573	3573.334	6930.922	1573.353149
## 687	3783.868	7556.153	698.205505
## 21216	3809.183	7481.635	837.689209
## 2731	3929.397	7581.294	1211.802246
## 379	3013.404	6280.000	100.537605
## 10413	3437.083	6778.335	557.778015
## 18680	3435.077	6785.000	665.767761
## 10175	3233.933	6595.000	47.741581
## 6111	3389.033	6679.630	1031.237427
## 10007	3925.082	7459.659	1334.826904
## 1619	3728.757	7104.661	1157.984619
## 7870	3486.206	6859.562	2038.772583

## 11636	3888.160	7642.772	984.207031
## 5067	3516.986	7079.605	924.936584
## 15185	3780.106	7442.044	853.293823
## 14380	3481.563	6796.095	833.029968
## 6386	3332.375	6534.000	695.044250
## 22284	3580.133	7129.068	734.407288
## 5960	3440.011	6629.311	930.413879
## 21645	3738.020	7084.914	1592.200317
## 21831	3365.742	6437.000	3508.406250
## 9699	3507.177	6721.096	1061.493164
## 1813	3816.107	7541.331	1299.841064
## 14086	3739.918	7350.330	1684.078613
## 1728	3341.241	6541.000	769.020020
## 19403	3759.590	7312.335	1904.964722
## 19445	3668.852	7071.355	1173.191284
## 9860	3762.957	7245.523	1493.952026
## 20515	3908.318	7386.376	1765.846802
## 19589	3583.981	6975.000	1787.354004
## 8480	3953.770	7637.533	1839.684570
## 7132	3822.030	7347.277	497.966400
## 22513	3503.074	6707.034	1265.134888
## 1809	3748.292	7570.044	841.614563
## 11995	3383.427	6861.720	379.738983
## 8214	3839.205	7493.397	1115.089844
## 13478	3491.572	6669.356	1224.266602
## 19655	3843.366	7271.223	1233.685181
## 389	3836.525	7669.673	651.425476
## 20296	3845.268	7451.407	1582.462646
## 18497	3511.554	6833.825	874.492004
## 2572	3803.526	7291.145	802.909790
## 731	3811.609	7467.779	1063.335938
## 2088	3867.795	7719.150	1545.668213
## 9199	3784.086	7483.585	962.201172
## 14921	3377.792	6664.288	633.617432
## 13099	3717.800	7244.069	2032.787231
## 10667	3546.795	6906.757	1175.664185
## 11388	3335.654	6481.000	1704.698486
## 20433	3652.470	6823.296	1086.966187
## 5662	3358.088	6894.147	179.514526
## 3312	3635.542	7036.410	1361.359741
## 15876	3324.586	6462.001	1561.801880
## 5881	3957.605	7567.116	1840.369995
## 877	3636.711	7156.250	1320.804321
## 14819	3775.354	7270.141	558.237732
## 15262	3558.940	6922.372	849.303406
## 17874	3726.475	7324.612	920.019409
## 20200	3373.711	6425.962	1610.798096
## 15089	3480.640	6701.614	308.869354
## 7811	3627.118	7158.732	359.582275
## 11702	3409.611	6851.668	586.604553
## 15150	3519.524	7044.375	723.240723
## 1125	3609.953	7293.000	1498.382935
## 21196	3812.284	7514.825	1475.295166
## 7484	3911.851	7671.862	710.172607

## 5492	3634.863	6864.205	533.570557
## 15898	3507.131	6938.515	208.076508
## 14014	3926.729	7643.362	1352.519531
## 6074	3949.661	7638.855	1903.093872
## 18101	3962.542	7548.996	1624.620483
## 21277	3896.350	7646.873	1407.749023
## 6455	3853.839	7556.873	1366.898071
## 289	3486.071	6759.679	2154.313232
## 1248	3715.195	7263.202	1223.048584
## 21134	3426.634	6628.572	1322.254395
## 22053	3625.995	7062.223	1890.080811
## 7573	3964.499	7623.620	1681.093262
## 21296	3478.762	7141.509	736.532288
## 15484	3627.173	7233.672	572.071167
## 20557	3842.491	7456.047	708.218506
## 7761	3791.190	7634.238	217.432281
## 5457	3819.086	7560.886	1819.664795
## 14849	3484.398	6854.546	871.484802
## 15680	3532.782	6769.118	1534.258911
## 1989	3886.314	7592.430	1529.351318
## 7195	3860.480	7538.637	1709.689697
## 19009	3310.201	6596.000	890.175659
## 12151	3333.529	6537.002	674.086243
## 13318	3760.265	7284.890	993.041809
## 1061	3910.536	7561.910	1178.109863
## 3568	3802.731	7599.005	1403.394409
## 315	3834.524	7378.459	1208.480469
## 15726	3702.638	7188.750	1031.388428
## 10174	3492.485	7333.654	273.893677
## 15532	3691.979	7270.175	1288.572021
## 12192	3597.470	7083.999	555.862732
## 9135	3799.499	7243.912	1797.784058
## 4899	3309.892	6592.001	634.642151
## 9050	3735.773	7169.492	1606.100830
## 20090	3691.630	7125.002	908.643982
## 12602	3754.886	7284.060	1543.919556
## 8469	3526.031	7136.017	1780.320068
## 10518	3755.671	7479.724	1168.328979
## 5965	3612.603	7157.447	1048.996216
## 18851	3314.072	6431.000	482.828247
## 12836	3619.502	7219.906	1024.426758
## 1063	3896.856	7555.584	1035.187256
## 14383	3510.582	6821.971	1229.070312
## 17500	3396.681	6607.408	1196.168701
## 5314	3611.019	6708.751	537.231873
## 9370	3789.749	7320.454	1334.901489
## 584	3475.983	6897.728	1606.563110
## 9241	3690.333	7226.316	1538.209229
## 7627	3778.675	7369.878	681.233032
## 20093	3729.885	7329.168	786.115295
## 11458	3358.358	6216.000	1039.946777
## 9207	3662.803	7275.000	1976.275269
## 6490	3736.424	6992.743	1213.792114
## 7019	3872.583	7588.850	1175.538696

## 11599	2954.557	7068.751	91.312340
## 6370	3618.392	7248.499	1099.989624
## 1938	3347.177	6544.000	1370.890259
## 2559	3729.774	7325.001	1101.629150
## 15168	3401.089	6849.285	1065.044434
## 13657	3513.396	6915.541	281.530884
## 9954	3892.030	7572.634	1135.177002
## 20434	3629.964	7476.529	993.310730
## 3717	3792.690	7458.072	1568.930786
## 13936	3841.004	7299.203	1725.731812
## 13353	3476.546	6829.688	1110.255249
## 20862	3743.481	7166.129	570.381226
## 4711	3479.522	7039.190	1239.905273
## 8160	3534.983	6749.344	194.200851
## 18038	3877.732	7514.338	849.524719
## 12624	3260.027	6838.636	1385.531860
## 11040	3338.732	6467.307	547.158386
## 12134	3632.979	7075.002	1239.708130
## 10170	3936.641	7579.625	1233.934692
## 4754	3386.038	6562.038	690.399719
## 17423	3680.593	7262.083	1901.294922
## 9568	3332.545	6542.000	859.778442
## 8241	3800.886	7569.223	1479.101929
## 20067	3345.811	6581.000	1257.081543
## 4756	3567.160	6940.385	237.850555
## 2601	3379.033	6469.001	2153.811279
## 16953	3407.807	6706.250	1098.433594
## 3322	3386.498	6688.891	472.610504
## 8383	3294.758	6517.001	1083.567017
## 1333	3550.931	7365.769	816.475403
## 21276	3777.556	7296.284	1943.339478
## 5525	3697.125	7242.796	1663.000854
## 11414	3726.796	7243.443	1339.605591
## 11481	3297.923	6715.518	300.298523
## 16805	3727.207	7363.961	1386.339478
## 11637	3809.597	7471.619	1106.468506
## 1486	3889.521	7687.606	766.335999
## 13823	3766.414	7220.521	1005.075439
## 11650	3801.113	7547.044	787.393860
## 9554	3340.557	6519.001	435.464020
## 1372	3916.437	7709.698	655.468079
## 13862	3303.438	5861.000	211.722107
## 6417	3569.410	6981.411	746.270203
## 14465	3560.538	7005.114	1330.566772
## 14814	3766.273	7213.637	1420.453857
## 17815	3786.483	7428.335	1154.759766
## 2594	3617.454	7041.305	1213.331177
## 7995	3672.397	7171.234	988.014160
## 6175	3448.311	6791.667	1130.049438
## 10079	3937.913	7535.435	1252.756836
## 15523	3884.529	7508.849	1030.575317
## 12865	3649.849	7078.923	1571.046265
## 8135	3303.428	6605.000	610.438477
## 16878	3353.906	6442.000	1407.113525

## 5756	3426.013	6833.335	735.629333
## 8607	3475.353	7074.359	974.862549
## 3319	2594.528	7157.692	1067.099976
## 2129	3611.251	6872.024	1573.928833
## 6616	3599.713	7085.795	1831.954956
## 11403	3715.656	7219.198	833.361938
## 4016	3837.434	7623.477	1768.197266
## 13014	3667.033	7022.000	1359.898438
## 7221	3377.401	6533.333	563.512329
## 525	3757.319	7329.111	1126.605103
## 22075	3902.322	7559.999	3885.882568
## 16676	3351.696	6766.964	77.756004
## 14611	3747.746	7294.890	1540.195679
## 9591	3596.471	6943.126	2147.042480
## 941	3587.927	7057.557	1346.138062
## 4196	3866.957	7603.898	1465.467041
## 19792	3688.629	7084.500	1097.054077
## 17868	3522.431	6977.028	1041.662354
## 18162	3737.112	7232.144	1639.330444
## 684	3943.839	7601.743	1087.138550
## 17415	3697.503	7323.238	1972.736816
## 15396	3637.475	7028.888	625.640991
## 5484	3616.632	6889.882	589.833374
## 13132	3442.516	6829.035	1048.244507
## 8355	3404.252	6612.503	494.160553
## 18523	3753.198	7604.292	872.955200
## 222	3553.031	7020.515	1997.736206
## 22370	3475.338	6592.972	1173.801636
## 15578	3721.256	7482.237	1380.461914
## 968	3550.964	6966.448	1434.083252
## 4914	3820.693	7577.156	1253.446411
## 4185	3849.594	7446.430	895.652222
## 3432	3863.097	7643.638	1556.595581
## 7317	3646.197	7141.491	758.069885
## 10075	3913.845	7370.352	1402.261230
## 6653	3450.700	6794.532	618.026489
## 14692	3701.409	7461.646	1161.937012
## 21354	3642.693	7046.740	1175.313599
## 7028	3899.497	7516.891	1955.784180
## 16854	3472.508	6955.558	30.614506
## 9735	3708.875	7149.092	1809.874878
## 19865	3453.262	6658.333	651.438477
## 6139	3896.456	7559.971	1576.981567
## 2381	3579.243	7484.293	968.724670
## 11439	3397.923	6641.667	1013.791321
## 837	3614.105	7181.666	1072.834351
## 15268	3558.158	6885.527	1074.536377
## 17870	3724.042	7516.873	298.043243
## 2473	3871.717	7516.803	1075.578735
## 18829	3787.697	7250.330	1814.669434
## 16973	3695.976	7251.229	547.268616
## 13351	3710.167	7386.302	653.239746
## 20579	3438.954	6785.939	280.364136
## 3700	3762.836	7429.621	1378.678833

## 19110	3758.142	7395.274	1313.328979
## 2064	3764.090	7357.534	1397.866211
## 1020	3791.270	7288.999	1272.214355
## 17313	3630.348	7163.681	481.493958
## 13504	3763.482	7421.235	1407.528442
## 10165	3405.940	6670.537	1419.181519
## 21128	3688.125	7267.725	1254.330811
## 4925	3888.011	7493.078	1961.020996
## 11335	3055.151	7357.849	1401.527344
## 696	3493.590	6826.471	863.417358
## 10103	3457.663	6514.656	1003.209412
## 4334	3881.996	7552.182	1284.007446
## 19787	3464.544	6775.000	637.739807
## 7763	3371.451	6659.822	306.274597
## 3725	3850.872	7579.825	1562.155396
## 14219	3354.747	6543.001	2549.175781
## 555	3485.716	6852.208	823.227783
## 4315	3732.841	7248.361	924.311584
## 9407	3814.736	7414.078	873.846985
## 5171	3902.971	7557.557	1065.055542
## 2522	3411.931	6766.072	1090.252075
## 5671	3330.996	6532.001	999.190369
## 283	3351.867	6462.999	1173.505249
## 7812	3533.970	6903.289	369.501251
## 12868	3899.968	7628.197	1605.824341
## 5889	3975.599	7579.125	1622.820190
## 4264	3686.144	7234.135	1142.287842
## 18111	3912.876	7647.698	1831.448364
## 21671	3491.821	6747.658	889.474121
## 6244	3609.792	7549.280	879.969238
## 5750	3541.102	6954.054	1406.261597
## 18877	3304.549	6558.001	1589.326172
## 5024	3653.857	7392.027	428.901215
## 615	3690.022	7303.070	1760.676758
## 2818	3390.902	7079.069	232.256882
## 4357	3907.637	7618.196	1604.822632
## 491	3539.300	6920.511	174.784088
## 14475	3726.959	7567.555	1143.996460
## 3902	3488.850	7018.453	1274.186646
## 9794	3743.304	7336.668	593.345703
## 8598	3527.318	6801.429	840.592407
## 10066	3974.268	7464.892	1548.781738
## 9969	3686.668	7175.658	1389.191528
## 11521	3325.596	6557.000	892.241333
## 8216	3885.879	7500.640	1239.748291
## 3556	3787.123	7471.489	1555.791016
## 13113	3830.219	7589.286	2021.310547
## 14031	3722.872	7253.213	1717.547607
## 7932	3372.015	6241.000	793.396729
## 2361	3546.774	7053.848	600.628296
## 3317	3767.513	7519.103	1180.388306
## 19732	3341.365	6464.001	1005.494690
## 2127	3771.441	7361.311	1034.871948
## 4650	3250.488	6603.999	739.214905

## 22057	3834.738	7474.521	2149.919189
## 5810	3835.314	7426.483	1537.538818
## 13885	3462.460	6877.347	706.218018
## 10952	3873.092	7526.286	1713.496460
## 12473	3537.816	7036.488	2474.721924
## 151	3432.656	6541.964	765.401245
## 4743	3748.476	7438.356	1124.432495
## 17180	3362.658	6540.000	1791.238770
## 1859	3831.536	7544.242	1319.379639
## 3787	3821.292	7487.498	985.687256
## 11850	3460.646	6781.452	810.117554
## 9584	3337.584	6488.000	1701.758667
## 13237	3662.486	7156.698	1695.793823
## 2120	3515.781	6655.882	715.167419
## 4242	3878.958	7380.739	1188.950684
## 20634	3558.816	6840.278	1563.639038
## 19221	3607.308	6998.781	1152.533569
## 6477	3347.343	6541.999	1797.044189
## 12002	3722.051	7220.566	962.119446
## 19752	3802.453	7440.861	2066.851074
## 8550	3398.437	6806.896	977.710754
## 1879	3814.870	7385.527	1099.173950
## 8819	3688.898	7677.417	1053.574463
## 4702	3854.114	7534.307	1536.932983
## 11607	3328.978	6587.502	1240.423706
## 15667	2209.444	7212.746	0.161916
## 8666	3337.385	6449.000	1490.697510
## 207	3817.320	7426.012	1046.451538
## 11418	3815.877	7426.090	864.927979
## 15642	3845.971	7715.680	1390.022095
## 20828	3351.626	6458.001	917.119507
## 14471	3717.374	7455.751	1029.445312
## 15778	3745.446	7273.050	926.469727
## 11638	3280.499	6612.001	670.772888
## 11217	3739.671	7204.546	1009.301392
## 13797	3725.964	7181.250	1505.011230
## 16502	3426.382	6718.966	1813.673218
## 10864	3335.222	6486.000	218.396591
## 18792	3377.009	6338.000	1508.267944
## 9077	3498.956	6703.907	900.462524
## 5038	3321.090	6402.001	1054.339966
## 7929	3064.546	6456.001	120.933800
## 16096	3788.767	7356.403	982.106323
## 8614	3828.762	7609.077	1737.257935
## 5323	3753.382	7614.854	1685.825439
## 5549	3849.684	7390.468	1734.203857
## 15587	3665.195	7311.608	1207.822510
## 2825	3735.016	7300.724	998.555115
## 4814	3497.830	7101.875	907.279175
## 3003	3592.432	7164.445	726.501282
## 18469	3966.417	7526.651	1567.632324
## 2171	3424.492	6700.862	1188.387695
## 11242	3961.469	7583.587	1364.614258
## 14393	3728.921	7235.832	939.041931

## 231	3782.397	7370.373	1662.486084
## 15619	3323.784	6437.000	1536.616577
## 21727	3785.992	7480.896	743.020447
## 21205	3676.449	7221.052	741.120361
## 211	3425.560	6617.969	1328.123901
## 8381	3446.360	6829.033	527.788879
## 7292	3468.204	6814.844	322.503967
## 19441	3370.120	6457.001	1624.031616
## 12811	3754.394	7434.737	589.795776
## 21617	3628.075	7201.999	1171.650635
## 10512	3319.313	6673.077	884.997742
## 9290	3761.436	7251.515	1252.708862
## 4988	3520.582	7004.055	1006.386230
## 13807	3850.135	7435.099	1543.425171
## 9203	3936.995	7658.512	1299.006226
## 5195	3359.731	6440.000	729.598999
## 5719	3806.885	7438.376	1308.131592
## 8809	3853.956	7581.702	839.520081
## 15972	3783.907	7433.430	1252.066406
## 14865	3750.286	7370.314	821.932739
## 3244	3456.467	6921.875	532.543152
## 4022	3841.120	7681.931	1715.291504
## 20750	3200.677	6495.000	122.436691
## 22337	3391.252	6630.358	1195.846680
## 8708	3527.359	7124.446	520.301025
## 14413	3867.210	7469.404	1444.044922
## 22084	3816.400	7580.533	1682.077148
## 10724	3725.775	7228.391	2341.735840
## 21105	3374.235	6578.848	964.514221
## 16243	3253.504	6511.000	1103.413818
## 16649	3467.738	6955.147	1625.412720
## 6384	3563.854	6895.272	543.284729
## 4572	3904.378	7455.137	1065.711792
## 632	3800.940	7425.833	889.317749
## 9832	3755.265	7395.427	477.846863
## 2147	3350.305	6510.000	2192.258057
## 9053	3731.166	7111.844	1206.282227
## 4770	3365.348	6388.999	1933.661743
## 17888	3365.896	6521.154	1268.578857
## 11539	3537.678	6763.237	1206.232910
## 7185	3656.414	7110.713	1906.438354
## 20101	3673.500	7078.573	966.124268
## 17239	3693.704	7394.479	956.072693
## 19796	3428.985	6592.859	672.001587
## 6420	3861.161	7556.539	1143.949341
## 18625	3891.881	7557.209	1253.938965
## 3503	3735.566	7335.615	1477.521973
## 840	3549.034	7060.976	808.933044
## 13583	3732.912	7219.491	1587.336426
## 17002	3889.422	7515.030	710.522522
## 18634	3942.843	7621.269	1341.564209
## 19567	3441.471	6664.518	1109.117676
## 18701	3429.983	6577.680	846.718201
## 3655	3667.466	7109.617	744.459778

## 21165	3899.053	7508.146	758.694946
## 1200	3343.704	6570.000	978.111877
## 16308	3694.319	7311.018	477.404877
## 17580	3827.913	7496.567	1222.384277
## 103	3349.504	6523.999	450.658539
## 7022	3922.609	7571.251	1595.133789
## 1660	3855.908	7372.499	1092.860718
## 11345	3853.257	7547.593	624.438965
## 8765	3392.459	6614.817	412.533264
## 4053	3585.502	6932.052	1578.353760
## 18798	3911.794	7347.891	2188.664551
## 11840	3611.845	7006.978	1819.852173
## 16442	3343.743	6562.000	587.736450
## 6228	3483.182	6910.295	324.154572
## 7868	3430.035	6755.833	797.035278
## 11795	3400.570	6665.518	115.427521
## 20260	3482.465	6802.146	182.722092
## 2944	3776.563	7362.255	943.140320
## 980	3320.396	6898.649	892.209839
## 11674	3877.218	7488.963	838.757751
## 17715	3292.898	7051.389	8.870935
## 1634	3883.149	7590.542	1125.719971
## 10286	3342.423	6508.001	1166.230957
## 1579	3845.446	7653.082	1094.921509
## 7968	3787.049	7368.520	1324.424683
## 12169	3557.010	6640.000	1723.391846
## 21596	3341.975	6589.999	695.129150
## 10354	3552.416	7061.905	534.710999
## 13058	3866.172	7505.036	1318.290283
## 9229	3935.654	7641.208	1915.518066
## 13694	3457.327	6597.415	1365.234497
## 22218	3927.108	7437.200	1082.628784
## 21038	3529.735	6937.501	1656.892334
## 15384	3847.306	7366.281	822.733398
## 5064	3359.888	6521.000	891.428650
## 6002	3663.049	7136.574	570.814087
## 12512	3324.850	6573.001	1119.373779
## 14121	3797.465	7529.880	282.101349
## 11529	3702.481	7256.481	1228.355469
## 18722	3364.114	6491.000	396.711761
## 16090	3859.597	7667.485	804.625122
## 18437	3926.849	7561.366	1296.261597
## 4032	3806.957	7535.775	1408.356934
## 16248	3308.494	6520.000	802.138489
## 14822	3346.733	6496.000	275.266846
## 1900	3799.877	7533.333	1259.677002
## 10857	3346.104	6566.000	1147.430420
## 5985	3876.578	7511.747	346.887909
## 2510	3566.276	7398.863	1199.684570
## 15682	3675.292	7109.694	944.837341
## 8468	3278.004	6409.000	1255.866333
## 20054	3851.550	7598.560	1852.544067
## 8012	3779.974	7093.836	1495.627930
## 6661	3802.079	7467.298	1039.085571

## 11149	3446.971	6663.333	1304.125854
## 11181	3460.646	6691.668	1648.313721
## 5733	3779.736	7551.823	1805.911255
## 10505	3630.502	7382.082	1305.341309
## 16841	3445.903	6708.623	604.996826
## 18717	3422.986	6512.038	828.982971
## 17826	3573.459	6919.048	792.809814
## 21698	3815.837	7435.114	1083.231934
## 8089	3733.918	7198.509	1309.525269
## 11655	3648.394	7108.502	851.201538
## 1121	3623.508	7235.203	1481.489136
## 9604	3569.371	6964.635	1186.423096
## 20277	3889.621	7476.817	1445.588013
## 11130	3910.033	7464.415	1417.376465
## 17432	3317.204	6541.002	454.979706
## 21956	3333.463	6437.000	809.836060
## 4404	3350.449	6498.999	1023.226257
## 22499	3683.055	7244.907	1528.981934
## 18632	3892.663	7329.965	1250.948608
## 19563	3883.224	7457.550	1480.296631
## 18911	3655.855	7017.391	997.233154
## 11200	3268.420	6497.001	450.616669
## 17446	3804.716	7365.889	1669.457275
## 5003	3592.498	6892.950	1930.528809
## 4960	3715.420	7284.127	1153.853394
## 14214	3841.617	7608.255	3156.960205
## 22395	3863.927	7441.223	1814.942017
## 9681	3674.957	7071.354	1609.829224
## 813	3934.403	7612.551	1009.284973
## 10711	3537.196	7131.097	2030.662842
## 14444	3343.622	6573.078	616.713257
## 892	3712.919	7295.900	1187.775879
## 6449	3409.374	6529.630	856.064514
## 12291	3355.407	6536.001	593.991455
## 20083	3707.672	7246.250	1068.234009
## 19627	3403.255	6559.260	2736.652832
## 11662	3448.714	7022.792	357.338074
## 7645	3791.442	7395.946	110.069824
## 1096	3501.291	7239.543	1152.732056
## 10951	3813.018	7596.130	1609.878906
## 21479	3329.311	6405.001	250.879623
## 1918	3371.206	6421.000	917.912354
## 5114	3882.344	7454.735	1193.809204
## 14621	3744.973	7396.796	592.615906
## 13866	3699.500	7200.910	1683.267212
## 16919	3573.654	7099.500	1454.711060
## 1489	3707.883	7297.222	579.298889
## 3505	3611.510	7154.347	996.821777
## 6804	3916.372	7610.980	1655.026245
## 2557	3838.621	7676.020	1294.340698
## 18988	3845.184	7402.479	1427.503906
## 3496	3328.554	6574.000	1468.109009
## 12620	3748.209	7430.823	1014.665771
## 21880	3805.311	7602.237	1365.918335

## 17183	3343.802	6590.000	2043.042603
## 10207	3705.831	7149.108	948.094849
## 6294	3970.959	7546.096	1555.429932
## 3156	3885.403	7626.415	1805.354980
## 20849	3624.720	6866.466	1276.761841
## 1725	3350.678	6642.591	702.970093
## 13054	3797.118	7426.012	1929.888062
## 598	3336.878	6595.000	768.513611
## 22359	3851.665	7326.287	1168.359985
## 15162	3401.858	6687.069	1724.316528
## 14181	3712.749	7134.915	1752.095703
## 6610	3764.385	7274.264	1370.882202
## 6365	3814.798	7437.631	523.783264
## 15439	3703.231	6952.831	507.876343
## 5928	3401.584	6657.761	1257.990234
## 7281	3343.072	6559.000	989.869385
## 22384	3444.348	6679.839	1195.527344
## 8047	3868.968	7232.408	1989.966187
## 12132	3367.741	6416.000	2513.171631
## 5669	3299.522	6918.476	121.630241
## 21861	3346.083	6585.000	1213.318848
## 3329	3667.708	7118.135	1521.481079
## 8009	3760.597	7234.070	972.306274
## 7838	3664.294	7241.037	968.586914
## 10246	3287.921	6423.001	668.094116
## 21800	3806.812	7405.712	1736.502808
## 12384	3837.352	7623.819	874.578186
## 11756	3735.902	7118.938	1103.149170
## 13254	3803.528	7351.924	1500.145386
## 7748	3852.760	7494.152	1514.829956
## 22432	3931.698	7655.080	1827.064209
## 6010	3250.600	6643.000	516.329956
## 9993	3669.563	7545.315	1094.893921
## 14614	3769.836	7397.096	1311.412109
## 15992	3351.128	6584.000	1590.815186
## 9736	3348.841	6509.001	1159.071167
## 17001	3439.083	6774.167	581.587891
## 9092	3382.792	6540.385	1500.639160
## 20933	3498.644	6862.880	1846.985229
## 14294	3538.202	7051.282	913.705872
## 19618	3357.672	6680.556	289.289642
## 17278	3524.351	6933.785	1190.028564
## 20134	3384.653	6571.155	1587.234985
## 13953	3507.004	6698.438	1193.878296
## 1360	3934.679	7613.172	1219.277466
## 455	3286.282	6635.486	1238.168579
## 6997	3777.658	7272.572	1563.944458
## 13128	3536.127	6959.724	1596.932983
## 10858	3836.413	7464.521	1292.910522
## 17335	3371.270	6319.000	704.164795
## 21545	3806.941	7383.777	1089.373169
## 19467	3649.600	6958.523	376.772766
## 20957	3710.948	7199.092	1275.797607
## 8347	3270.958	6612.000	195.735733

## 2972	3807.093	7359.522	959.624023
## 1254	3564.618	7273.959	783.811646
## 10376	3482.393	6921.211	2011.008667
## 660	3335.505	6552.999	865.431030
## 14720	3471.743	6835.938	1321.347778
## 21039	3342.592	6626.924	972.407471
## 30	3525.361	7103.573	319.679657
## 1149	3818.868	7390.308	1656.198120
## 6096	3571.297	6623.649	437.135468
## 17101	3057.752	6637.000	6.550018
## 7965	3370.999	6368.000	2685.638428
## 19281	3750.628	7335.000	904.140076
## 15258	3896.438	7438.522	1506.789429
## 10631	3342.106	6569.001	1296.757690
## 11096	3967.117	7467.520	1392.720947
## 14220	3316.167	6581.001	1613.780762
## 2936	3810.100	7355.791	1905.662109
## 2994	3904.228	7560.611	1117.460083
## 2804	3678.934	7264.165	1673.776001
## 683	2188.263	7360.851	557.037537
## 11957	3579.319	7027.113	21.935614
## 19961	3494.974	6781.252	865.633545
## 3766	3725.756	7371.158	1105.375977
## 16962	3535.207	6864.287	1641.797363
## 9582	3568.797	6924.999	2704.198975
## 22004	3848.970	7443.695	2079.202637
## 14920	3628.277	7174.492	882.794678
## 14136	3445.428	6747.503	1271.368286
## 13603	3772.251	7200.372	1264.219482
## 5384	3789.843	7367.153	1504.705566
## 14451	3789.734	7410.000	701.466187
## 12419	3755.918	7428.012	1118.497803
## 16156	3597.263	7468.910	976.725220
## 1549	3368.117	6478.000	626.892151
## 1959	3611.192	6986.363	469.223145
## 6093	3797.882	7587.814	1959.832886
## 16981	3897.314	7662.057	1521.366821
## 4314	3851.435	7502.917	1260.269043
## 8253	3879.193	7414.555	1339.221069
## 22159	3801.542	7450.791	895.247131
## 9775	3771.657	7381.089	1431.520142
## 1917	3591.304	6901.874	1057.908691
## 7520	3892.294	7562.427	1728.657715
## 11916	3598.483	7038.692	476.338440
## 3359	3749.490	7479.762	926.472717
## 3113	3696.660	7154.094	1460.403076
## 7642	3383.369	6806.431	28.939728
## 19783	3719.761	7177.917	843.079285
## 22521	3377.976	7533.990	111.559128
## 8391	3588.013	7116.111	409.436066
## 3197	3685.544	7497.003	1234.159546
## 16408	3865.271	7615.167	1214.990112
## 9720	3509.390	6781.820	948.089294
## 20219	3852.858	7603.040	461.832703

## 19323	3419.801	6966.668	949.925110
## 17638	3815.550	7497.868	789.009888
## 19177	3835.783	7424.505	1181.784790
## 9238	3766.704	7519.750	1051.606201
## 14804	3315.240	6606.000	624.739746
## 11348	3337.086	6562.001	1163.213379
## 13307	3806.612	7344.674	1059.052734
## 8917	3912.099	7622.816	1361.074219
## 17837	3346.446	6528.000	923.154785
## 20187	3893.100	7418.399	1513.850464
## 16606	3350.210	6488.001	1253.404907
## 19802	3617.388	6920.731	818.774048
## 4996	3694.677	7339.167	1262.581177
## 14244	3349.775	6619.231	1014.875427
## 10327	3661.865	7120.000	1426.598877
## 13100	3649.730	7082.979	1753.415405
## 1177	2918.298	6565.000	600.843018
## 1402	3890.091	7480.583	1010.923279
## 2310	3797.723	7385.437	1253.282471
## 2447	3748.012	7258.455	1300.376709
## 10583	3744.507	7455.068	1469.693604
## 11158	3351.399	6338.000	1740.651367
## 16566	3761.285	7446.542	1236.037598
## 14829	3925.129	7583.890	383.971191
## 9434	3870.575	7699.774	1302.205933
## 9834	3351.205	6560.000	2438.109375
## 14169	3317.520	6551.002	793.640076
## 3864	3398.115	6761.208	803.975342
## 16482	3639.312	7022.283	724.069641
## 14934	3788.324	7414.095	579.695679
## 8222	3359.071	6350.000	719.272278
## 1161	3754.319	7213.570	1387.814819
## 9358	3361.184	6519.000	1562.998291
## 11046	3547.888	6819.447	1473.787109
## 14145	3254.734	6607.000	282.185486
## 8918	3694.686	7176.190	1734.982178
## 12825	3638.157	7291.525	516.377930
## 3246	3838.202	7436.734	915.160339
## 18796	3926.819	7467.078	1705.094849
## 1391	3863.170	7539.312	1319.684448
## 2378	3385.572	7414.920	2097.510010
## 8287	3425.659	6659.821	445.682800
## 16696	3559.763	7077.326	33.702263
## 6549	3764.938	7375.001	555.196472
## 13854	3864.321	7458.051	1350.878052
## 10639	3477.715	6989.102	2193.135498
## 18291	3956.332	7689.286	1538.889771
## 20130	3512.088	6663.283	1231.067749
## 14582	3714.007	7395.055	471.592438
## 11081	3944.424	7574.404	1562.911255
## 1488	3911.372	7722.989	671.358276
## 3046	3458.646	6725.759	1997.171143
## 18483	3508.927	6780.885	1419.033325
## 7371	3797.212	7306.411	1019.752319

## 15724	3702.943	7301.984	593.107666
## 1729	3316.836	6577.001	692.391296
## 6666	3889.796	7571.959	1165.428467
## 9997	3810.583	7353.571	1716.276855
## 13983	3845.179	7334.222	2299.881348
## 7564	2373.273	6574.038	42.242943
## 1119	3566.763	7177.840	1600.965210
## 19648	3431.303	6667.241	268.870056
## 18818	3846.782	7587.500	740.057556
## 7656	3481.938	7038.159	524.543701
## 11793	3447.363	6843.941	267.114807
## 5121	3867.485	7357.366	1959.789307
## 12239	3440.553	6762.904	921.421753
## 19236	3375.173	6395.000	811.493530
## 7178	3375.666	6637.499	1035.701660
## 13401	3410.528	6583.333	1445.792603
## 11009	3465.250	6643.186	752.146851
## 17050	3328.948	6504.000	496.023956
## 16266	3724.258	7404.478	1191.700806
## 12606	3517.759	6780.884	893.763977
## 15088	3361.116	6395.000	1641.662109
## 4310	3767.865	7367.904	1090.203613
## 3267	3752.675	7551.371	1753.519287
## 14318	3519.720	7006.757	1507.692749
## 19521	3823.560	7233.604	871.899902
## 16207	3221.862	7340.353	75.248238
## 13302	3964.318	7558.804	1576.227539
## 8128	3832.023	7400.989	541.634521
## 12091	3588.514	6956.668	1189.130981
## 1714	3741.326	7473.807	871.421265
## 15443	3024.652	7258.021	325.294830
## 14209	3918.770	7742.008	3792.563477
## 2984	3892.963	7534.436	726.539917
## 8912	3725.858	7312.040	326.437164
## 17806	3636.947	7193.752	592.336182
## 14481	3857.413	7493.884	910.948059
## 15671	3884.807	7444.551	1538.725464
## 10539	3349.152	6626.853	1132.737549
## 2457	3301.682	6501.000	1551.928101
## 17801	3487.059	7045.946	913.708069
## 8323	3846.196	7335.354	1986.556396
## 21250	3551.438	7000.660	1023.031860
## 4389	3338.461	6426.001	1247.393188
## 4564	3679.402	7054.900	463.729065
## 16122	3784.066	7096.521	434.194275
## 589	3330.444	6593.999	1155.903198
## 10877	3543.153	6970.948	595.979675
## 12917	3340.248	6550.000	1200.050781
## 9166	3792.580	7498.736	3120.702148
## 3951	3333.766	6829.413	297.692017
## 12431	3907.487	7447.447	1146.024170
## 13258	3864.049	7415.166	1212.781738
## 10216	3715.684	7389.231	1934.830688
## 11986	3573.516	6917.764	407.240601

## 8957	3929.521	7645.980	1452.452881
## 22138	3364.008	6403.846	1974.068848
## 10252	3412.518	6532.408	1347.157959
## 19840	3743.462	7164.753	1148.435425
## 581	3359.086	6669.000	2888.840332
## 2358	3866.909	7572.019	1067.942871
## 5210	3371.941	6624.075	912.215210
## 18069	3797.973	7471.808	1470.049072
## 19899	3473.803	6934.029	493.678192
## 409	3691.297	6878.499	1492.923950
## 8990	3898.017	7537.626	744.880676
## 13321	3863.022	7370.311	1741.977905
## 7436	3355.731	6411.000	412.391785
## 2422	3574.630	7039.102	1392.935913
## 14770	3424.176	7461.068	781.000610
## 7621	3427.698	6840.834	1465.170166
## 6623	3479.886	6912.122	1216.000122
## 8752	3526.770	6818.750	407.877502
## 145	3774.276	7220.271	729.606201
## 22259	3315.333	6471.001	716.081909
## 15899	3841.328	7540.159	894.189880
## 18397	3567.353	6932.896	783.923950
## 995	3880.545	7639.924	1090.948120
## 17936	3920.578	7552.510	1506.044067
## 2701	3457.518	6433.334	1115.523438
## 12615	3528.091	7027.028	802.308411
## 14117	3797.959	7476.593	1845.414673
## 4771	3498.100	6862.501	1344.141479
## 17901	3900.070	7597.888	1630.226929
## 20185	3646.896	7097.958	564.980408
## 10350	3586.201	6897.503	1222.837280
## 20714	3873.133	7523.396	1256.330444
## 2489	3839.872	7540.812	1132.918579
## 2627	3649.120	7222.549	1240.335815
## 12441	3918.455	7570.854	1952.481201
## 8215	3880.404	7535.491	1934.575684
## 21507	3966.907	7457.663	1927.986206
## 15159	3361.965	6596.297	1126.633545
## 13864	3742.782	7232.812	1673.489014
## 21677	3571.597	6932.238	1190.258911
## 2295	3823.958	7564.201	1162.480469
## 19151	3617.787	6887.195	831.847473
## 8100	3361.977	6714.815	1016.835754
## 1620	3752.471	7282.830	1103.039917
## 5670	3672.382	7233.771	494.976105
## 10356	3631.561	7068.334	1066.815796
## 21164	3928.651	7507.616	962.676819
## 17689	2751.436	6538.890	244.629379
## 98	3407.706	7350.464	7.946158
## 8962	3957.354	7570.338	1467.201538
## 14868	3534.226	7111.906	1546.679199
## 19126	3385.167	6765.179	477.624359
## 1716	3786.642	7566.361	1262.176270
## 818	3312.933	6524.000	311.012665

## 11105	3877.716	7460.124	1231.547607
## 1289	3837.869	7644.885	1312.229858
## 14252	3346.333	6519.001	1856.812134
## 1059	3630.511	7007.407	909.403076
## 15811	3842.290	7426.848	844.362976
## 19724	3335.482	6448.002	1289.910400
## 20280	3921.014	7636.876	1386.288452
## 5394	2493.696	6660.999	2.009577
## 17459	3308.977	6418.001	1535.917114
## 16992	3829.794	7696.493	1937.829590
## 4708	3516.622	7122.562	1128.446899
## 13410	3733.765	7127.154	1339.664673
## 22531	3354.858	6834.286	820.726807
## 15789	3738.042	7307.421	667.085144
## 934	3001.313	7060.555	4106.961914
## 11453	3491.481	6480.148	518.948730
## 2007	3893.020	7463.382	1166.791138
## 9473	3682.255	7160.002	929.624817
## 6329	3839.873	7562.219	867.368958
## 5018	3717.856	7245.966	1254.744141
## 12197	3501.963	6907.857	2490.686523
## 14388	3363.010	6499.000	878.591309
## 21528	3796.170	7495.543	619.098999
## 3364	3334.992	6454.000	568.186096
## 12576	3325.705	6621.002	1021.163208
## 9976	3817.783	7585.391	922.545349
## 3368	3771.483	7323.735	1018.848328
## 9507	3578.046	6888.817	1369.122925
## 8127	3440.433	6693.334	714.302429
## 10681	3401.148	6845.000	1715.824585
## 9206	3647.770	7094.340	998.452271
## 8312	3883.614	7614.962	389.924286
## 9467	3481.610	6695.162	1535.372070
## 15400	3645.069	6954.999	1466.661865
## 14842	3408.221	6543.519	994.471008
## 20364	3957.773	7569.199	1391.373657
## 2678	3795.157	7412.287	821.315369
## 3040	3336.772	6631.250	1080.945068
## 2039	3172.483	6493.999	216.548111
## 7684	3762.596	7246.833	722.002075
## 9297	3736.829	7260.082	980.121155
## 12471	3519.393	6980.557	619.022400
## 12776	3488.847	7025.693	980.958435
## 22321	3442.198	6749.139	1602.160889
## 288	3517.620	7231.863	371.467041
## 1925	3359.612	6510.000	847.138977
## 3528	3635.576	6990.759	800.254700
## 15732	3656.426	7240.001	579.333557
## 14995	3809.857	7222.407	291.963348
## 1176	3380.906	6513.461	550.716614
## 6145	3937.506	7497.086	1553.437378
## 11689	3582.665	7003.409	1095.594360
## 8060	3371.540	6324.000	964.683777
## 14066	3845.615	7681.110	1778.620605

## 14947	3251.558	6497.001	1224.724854
## 11343	3323.458	6585.002	1511.705811
## 22480	3420.512	6700.894	1568.735352
## 8417	3826.260	7530.139	1379.657593
## 11877	3338.008	6568.001	972.159119
## 984	3682.007	7272.456	1266.078003
## 21968	3344.877	6545.000	437.558685
## 10592	3848.510	7494.495	1544.208374
## 19375	3665.137	7491.749	144.691696
## 4347	3873.918	7553.591	1383.774048
## 11172	3477.295	6571.667	2267.598389
## 4663	3589.177	7208.695	1769.744629
## 1493	3535.237	6916.667	1191.775757
## 19491	3366.087	6464.001	1168.092163
## 17186	3526.001	6800.001	1053.769409
## 15230	3630.299	7030.814	1985.199585
## 8328	3473.411	6810.158	627.633484
## 12857	3276.237	6638.002	667.321472
## 1262	3877.013	7618.206	1169.236206
## 3398	3317.793	6598.000	2072.987061
## 11247	3489.639	6858.976	1567.189575
## 12567	3373.441	6894.356	1174.084595
## 1314	3605.549	7022.094	807.625854
## 7908	3658.512	7377.650	1030.282104
## 18886	3330.415	6592.000	1217.773804
## 3831	3926.589	7729.244	1627.308105
## 15943	3593.814	7004.167	1399.294556
## 18915	3750.284	7255.679	722.352600
## 6024	3989.766	7537.142	1752.394653
## 20878	3503.213	6725.785	1460.269409
## 4693	3347.728	6530.000	1060.236450
## 20394	3362.931	6383.000	2018.847290
## 3513	3708.615	7284.837	1163.431641
## 4019	3849.322	7701.093	1530.315674
## 2334	3724.543	7179.032	1586.813477
## 7727	3579.856	6918.125	1366.340332
## 12035	3762.426	7441.250	1414.575439
## 8481	3544.274	6845.947	1738.030396
## 4681	3775.430	7192.014	859.670471
## 20655	3568.976	6918.246	939.464905
## 7669	3349.868	6428.999	540.294128
## 3558	3707.800	7352.104	1231.162720
## 22360	3944.825	7478.264	1386.906006
## 17066	3719.900	7350.658	1786.377930
## 4355	3886.929	7547.989	1492.353638
## 13670	3333.559	6511.001	1026.098633
## 7554	3669.236	7475.000	1107.154419
## 19722	3740.773	7175.395	2235.833740
## 14449	3855.357	7364.194	700.151855
## 18485	3710.383	7136.403	2591.885986
## 10792	3664.728	7558.384	338.869720
## 9984	3553.107	7094.769	1322.545654
## 18353	3295.848	6369.000	513.534912
## 3662	3632.138	7195.588	1643.749023

## 797	3836.521	7464.679	1671.798218
## 9776	3809.443	7493.288	1588.374268
## 7686	3924.971	7547.912	1108.102173
## 8843	3698.235	7327.419	706.696289
## 14328	3344.388	6522.003	1029.539673
## 19400	3834.805	7299.494	1395.301147
## 14906	3616.726	6876.192	883.599304
## 6335	3365.501	6411.000	799.867188
## 2884	3761.008	7342.188	1073.369141
## 10064	3640.195	6872.676	2168.854736
## 20221	3764.976	7375.002	617.776062
## 8114	3058.798	6961.186	596.987671
## 5886	3756.179	7175.783	2016.055664
## 20687	3368.518	6346.000	763.629272
## 11612	3410.650	7005.001	1868.785767
## 15834	3576.946	7114.895	42.082672
## 8851	2421.938	6829.287	441.978149
## 14300	3827.703	7507.759	1458.330933
## 2042	3743.594	7386.944	1203.570557
## 692	3423.759	6717.242	1021.236755
## 15529	3684.806	7304.239	1198.823120
## 18616	3278.249	6211.999	771.170959
## 8982	3960.022	7440.791	1413.867554
## 11144	3586.565	6976.597	930.487793
## 12555	3353.200	6520.000	2310.067139
## 22005	3811.834	7401.990	2127.151611
## 22456	3329.360	6559.260	259.185425
## 8308	3547.134	6907.896	697.650696
## 13480	3673.241	7071.938	1458.353882
## 3346	3516.953	6867.648	1608.739990
## 22096	3549.269	6920.834	2462.520508
## 13511	3882.011	7644.450	826.095642
## 12101	3645.630	7242.924	1521.731079
## 11673	3838.836	7568.198	765.109375
## 9175	3871.202	7643.470	1046.837036
## 11663	3527.263	7053.949	420.144562
## 2271	3511.816	6902.206	834.820740
## 16068	3563.877	7043.749	1128.699585
## 13850	3353.059	6504.999	1462.882324
## 3269	3659.653	7180.661	1609.421387
## 20263	3301.575	6464.999	905.722839
## 5356	3589.462	7116.001	1325.733398
## 671	3637.986	6956.250	840.886108
## 13679	3695.789	7210.456	1056.511719
## 34	3902.971	7557.557	1065.055542
## 6936	3725.778	7388.414	416.114960
## 21830	3605.182	6881.873	2390.385498
## 10516	3717.787	7355.861	1050.520752
## 2613	3690.793	7522.186	1485.417847
## 16902	3904.160	7691.397	1355.826660
## 12440	3944.976	7598.637	2068.945068
## 18193	2910.568	6727.207	223.522263
## 11126	3850.000	7381.166	1448.170166
## 8853	3326.910	6504.000	320.274323

## 21914	3937.224	7515.654	1660.998535
## 7706	3277.364	6294.001	1196.184814
## 14390	3678.210	7079.083	1339.224976
## 14147	3336.198	6568.000	1036.382690
## 12462	3717.937	7308.710	1218.481201
## 13756	3879.061	7528.972	878.755188
## 21029	3610.313	7067.778	2119.507080
## 902	3367.692	6192.000	1052.007935
## 123	3829.017	7327.145	1002.707336
## 1829	3343.135	6599.000	1145.530029
## 15043	3602.002	7289.150	1674.938477
## 22173	3344.485	6949.287	44.335144
## 17338	3347.604	6422.000	296.774139
## 11630	3583.003	6796.622	1622.598145
## 9350	3346.369	6516.001	1347.702026
## 18931	3445.214	6501.787	675.975159
## 6956	3611.911	6950.000	1295.304688
## 14054	3864.745	7532.689	1874.601929
## 1870	3768.748	7282.640	1555.995361
## 19891	3749.065	7376.689	1443.633057
## 11520	3793.112	7486.814	998.415527
## 16208	3646.002	7058.823	883.214905
## 9890	3684.388	7057.353	1330.725098
## 12306	3806.565	7450.708	263.148071
## 3776	3724.951	7347.573	1397.471680
## 17752	3344.242	6419.000	837.269165
## 5144	3836.262	7486.948	829.102234
## 13181	3626.271	6865.853	1546.172974
## 4607	3318.681	6597.000	1159.284058
## 21091	3589.228	6983.539	873.483582
## 13853	3364.180	6429.001	1658.995361
## 4328	3729.596	7423.989	1069.102783
## 18035	3714.917	7407.639	1459.780151
## 14197	3845.894	7437.990	1133.583984
## 3765	3648.254	7151.531	1056.207764
## 7891	3303.313	6652.885	96.165909
## 19198	3853.736	7146.053	1036.757446
## 14547	3534.596	6838.889	1671.847046
## 7620	3331.596	6628.001	1317.027710
## 5845	3959.747	7586.488	1765.823853
## 8522	3651.611	7107.499	253.395035
## 19676	3511.118	6864.288	2068.345215
## 5202	3770.165	7409.594	631.158813
## 9454	3310.544	6520.000	422.795502
## 10243	3427.060	6755.884	378.426941
## 5169	3618.721	7061.046	1071.099854
## 11723	3658.206	6829.349	787.945251
## 17987	3629.918	7085.557	829.453308
## 8635	3847.987	7504.771	1532.213501
## 9773	3306.266	6620.001	683.375854
## 19730	3350.776	6476.001	1136.546997
## 18449	3731.590	7105.240	1572.760498
## 7419	3669.843	7324.093	1395.504150
## 9884	3509.732	6694.532	648.312927

## 16971	3787.457	7520.683	42.309311
## 7480	3612.602	7103.724	354.619049
## 19509	3399.447	6271.154	1069.718750
## 17579	3269.192	6650.963	37.215324
## 4734	3501.821	7156.547	522.477417
## 1866	3878.993	7491.542	1708.908813
## 2060	3610.598	7093.749	1542.388428
## 5865	3947.208	7675.233	1730.706543
## 13459	3790.271	7342.061	1098.837891
## 562	3085.011	6662.000	6.756580
## 1981	3868.981	7714.634	1005.201416
## 11287	3536.548	7396.074	1137.935547
## 22190	3836.864	7307.809	1050.039551
## 7971	3360.366	6382.000	1818.676270
## 3923	3595.151	7163.543	1126.839478
## 21953	3875.945	7535.139	859.925964
## 14925	3323.779	6589.001	349.949127
## 9956	3777.347	7291.369	1255.442505
## 14554	3559.084	6867.362	1002.883484
## 3780	3612.360	7034.884	1198.735352
## 17640	3503.678	6699.244	677.773987
## 10279	3508.122	7015.131	882.101746
## 21619	3724.199	7183.053	1476.273071
## 4917	3572.657	7127.328	638.702271
## 5412	3850.782	7538.867	913.552979
## 17263	3787.215	7517.210	2652.655518
## 12292	3324.070	6540.000	73.361275
## 9835	3775.241	7465.002	2099.689453
## 1301	3364.911	6440.000	1425.520020
## 10806	3246.456	6527.001	98.420158
## 3297	3568.644	6887.821	1129.801880
## 8054	3503.700	6520.969	1854.230347
## 14177	3696.709	7264.854	1582.525513
## 18661	3745.236	7491.936	1102.916870
## 7203	3723.790	7594.040	774.836792
## 20858	3401.769	6608.334	1535.258911
## 2237	3461.953	7483.457	445.532776
## 7678	3516.137	6567.970	1812.515381
## 113	3360.210	6475.000	1324.663696
## 16192	3644.823	7463.377	514.746277
## 6513	3364.454	6359.000	1126.024902
## 11170	3544.435	6836.807	1588.568481
## 19131	3807.339	7303.531	1307.172485
## 10782	3356.349	6507.001	945.237488
## 16309	3359.259	6536.541	688.118958
## 18410	3107.090	6658.001	8.452825
## 14326	3747.236	7287.694	1175.841919
## 14919	3618.365	7108.888	2337.886230
## 4938	3890.985	7644.623	2083.734863
## 8557	3706.914	6956.250	176.814209
## 17903	3873.700	7445.192	1212.234741
## 13649	3627.703	7113.335	1980.653442
## 7246	3693.693	7021.876	909.206726
## 5802	3722.491	7171.553	1657.392334

## 15674	3797.440	7314.373	1532.524170
## 6690	3355.438	6481.729	2090.253418
## 7786	3735.929	7225.782	626.567261
## 3488	3790.198	7232.332	1323.238281
## 18071	3505.031	6837.500	1421.661011
## 17322	3828.704	7477.082	1152.522583
## 16209	3462.237	6975.656	706.984619
## 2393	3785.917	7685.480	1327.903809
## 6677	3837.055	7353.802	1290.195923
## 575	3940.010	7651.167	926.845398
## 13523	3872.886	7546.142	1347.558105
## 4529	3583.052	7028.751	657.577087
## 3334	3544.219	6816.892	566.760986
## 1304	3541.175	7046.710	1633.335693
## 1810	3846.391	7634.506	1256.067871
## 16080	3742.574	7341.305	737.526184
## 8288	3353.713	6581.000	577.356506
## 14026	3843.928	7460.417	784.282349
## 10712	3681.234	7371.540	1067.366455
## 10800	3561.575	7052.500	463.970001
## 17950	3533.649	6775.696	1007.506653
## 19886	3268.529	6661.000	1106.025635
## 1863	3832.473	7482.042	1132.161621
## 14875	3681.518	7276.313	1312.505615
## 13541	3756.100	7325.001	2234.934570
## 10517	3827.070	7518.636	745.644043
## 18132	3349.787	6662.000	1149.449097
## 16086	3542.674	6930.406	1807.922119
## 19574	3833.294	7358.483	1992.121948
## 13772	3452.008	6879.689	1117.219238
## 8368	3768.907	7412.344	1630.031494
## 19628	3416.803	6633.930	1326.982422
## 12906	3733.458	7336.364	1584.023071
## 18153	3660.740	7198.585	967.531921
## 12217	3910.107	7602.685	1288.560547
## 4160	3769.944	7546.878	1466.167358
## 17941	3907.039	7545.917	985.853455
## 5197	3339.401	6711.766	922.224121
## 14246	3709.331	7227.543	1696.518188
## 10557	3883.604	7584.818	910.886597
## 8688	3475.917	7032.896	108.954659
## 15514	3197.858	6592.000	29.491112
## 1610	3808.882	7530.691	1158.864136
## 17791	3346.946	6521.000	305.698975
## 1985	3890.045	7646.365	1583.838501
## 856	3645.791	7216.500	1517.338745
## 17174	3594.264	7160.501	178.257935
## 19490	3374.655	6380.001	1691.542114
## 20522	3325.632	6448.276	1397.576416
## 22091	3760.712	7294.854	1307.515747
## 10538	3534.281	6863.514	554.188354
## 9677	3359.326	6526.001	1418.486572
## 6090	3326.566	6595.000	329.081970
## 7518	3348.253	6475.000	1329.069092

## 21558	3644.864	6906.250	2231.791504
## 12039	3330.594	6538.000	291.375061
## 281	3795.608	7289.331	1684.251343
## 9079	3550.335	6869.447	1224.703491
## 7946	3373.121	6334.000	1254.628296
## 6831	3108.153	6638.461	545.665344
## 6366	3800.480	7410.122	527.542725
## 5554	3494.920	6746.529	1447.074463
## 1297	3312.737	6629.000	707.476746
## 2921	3784.586	7400.224	1457.571655
## 6355	3539.112	6903.475	976.526184
## 13235	3811.150	7373.040	963.625732
## 15510	3616.892	6881.545	1216.584351
## 1916	3347.084	6501.000	1657.466919
## 9950	3837.034	7296.117	1810.062012
## 15706	3661.662	7155.096	1290.045166
## 17191	3871.958	7621.506	769.063354
## 3672	3778.230	7577.524	1275.070923
## 22064	3549.226	6733.571	1641.258911
## 13102	3618.770	6951.786	1151.769775
## 16727	3284.318	6635.001	274.837097
## 1587	3909.945	7645.083	991.551147
## 60	3339.401	6711.766	922.224121
## 12356	3798.009	7398.232	1504.475708
## 17363	3601.750	7042.047	753.317566
## 6763	3776.587	7466.456	1011.301270
## 20207	3731.156	6931.578	872.647827
## 11852	3340.877	6518.001	752.688293
## 20710	3921.141	7489.859	1566.809570
## 80	3832.333	7529.792	945.766724
## 19139	3544.293	7224.545	680.038025
## 1787	3619.938	7154.165	1702.455933
## 6823	3819.159	7591.442	1058.801880
## 22507	1825.700	7490.000	3.045848
## 19708	3430.629	6889.707	167.371948
## 22093	3699.074	6984.435	1981.538940
## 2735	3335.914	6510.000	1528.708130
## 14978	3758.470	7438.417	1264.837158
## 8556	3549.869	6781.397	205.768082
## 21855	3812.806	7418.043	2525.019775
## 6983	3512.999	6937.840	862.088379
## 19518	3852.131	7226.441	1291.061646
## 11389	3640.384	7195.999	1143.465820
## 7066	3697.715	7352.571	1933.773804
## 18117	3905.189	7550.179	1697.779297
## 6859	3431.379	6819.170	591.800903
## 18878	3741.074	7382.393	1222.059326
## 22123	3709.144	7152.156	275.951843
## 21219	3692.860	7221.492	2049.683350
## 10161	3351.337	6559.000	1363.871460
## 9949	3872.721	7567.701	1832.035767
## 4785	3809.223	7494.830	978.671387
## 17583	3751.689	7369.278	1166.069092
## 798	3461.844	6762.096	767.727661

## 2676	3926.505	7669.752	1161.297729
## 18531	3676.832	7356.617	822.388733
## 6906	3843.010	7501.479	738.500366
## 15496	3405.409	6544.446	1223.365356
## 13125	3496.087	6892.426	2362.664795
## 7428	3767.212	7480.492	429.161285
## 16590	3356.819	6402.001	780.507568
## 4321	3735.031	7336.763	1572.822388
## 1202	3348.634	6546.000	1001.164246
## 7960	3738.116	6980.831	2436.748779
## 3878	3557.694	6902.085	1415.197266
## 19297	3690.253	7224.123	2314.403564
## 12360	3711.633	7612.252	683.653503
## 16799	3670.148	7230.930	973.538818
## 20561	3368.235	6615.740	774.944214
## 17937	3861.848	7361.404	2200.915771
## 16012	3555.835	7088.462	797.498901
## 17342	3515.758	6965.715	909.507629
## 9932	3337.114	6404.000	1208.937500
## 20958	3588.909	6899.341	1441.916016
## 9124	3307.652	6397.001	472.026031
## 2418	3611.161	7111.957	1188.712402
## 6741	3803.642	7283.708	558.191345
## 9395	3920.517	7593.284	1000.479248
## 6876	3192.743	6566.129	271.036407
## 12536	3344.057	6501.001	590.381592
## 22018	3888.231	7605.023	1889.477417
## 20368	3939.554	7478.396	1556.169922
## 7424	3567.213	6921.795	849.442871
## 21940	3947.253	7571.642	1339.780029
## 2174	3766.531	7391.988	1200.950562
## 16651	3674.236	7420.385	1572.490723
## 5041	3755.992	7493.682	1311.104614
## 12541	3678.280	7066.828	1157.657471
## 10187	3357.294	6496.000	615.514893
## 19820	3706.623	7183.622	663.579773
## 3078	3752.361	7404.375	1284.354858
## 13556	3301.163	6578.001	818.064453
## 13135	3719.651	7326.538	1395.828491
## 14189	3402.411	6744.167	2091.951660
## 7082	3446.558	6852.501	383.707733
## 15637	3889.068	7573.791	581.544128
## 15475	3528.361	6805.715	270.924316
## 14540	3693.928	7421.269	1147.462769
## 8107	3484.247	6632.814	727.920288
## 14983	3304.795	6529.000	1890.530396
## 12407	3360.317	6516.000	865.102356
## 12994	3659.432	6995.654	1286.754272
## 15712	3711.939	7188.595	1799.938599
## 1704	3715.360	7266.175	1184.368774
## 10884	3421.290	6633.036	410.316498
## 19998	3685.138	7025.000	1875.597656
## 16543	3431.713	7475.988	1803.747803
## 14128	3500.273	6862.123	1374.270386

## 17400	3670.121	7221.502	2029.077271
## 10904	3529.727	6897.975	302.229767
## 482	3467.885	6751.563	862.207214
## 14433	3848.863	7597.335	616.100830
## 8428	3721.473	7178.947	525.116333
## 16619	3723.692	7244.738	2324.935059
## 13425	3394.234	6437.500	1585.371582
## 133	3829.984	7516.892	1799.269043
## 17772	3193.927	6682.000	2375.827393
## 18808	3966.366	7474.135	1699.544067
## 7808	3520.511	6764.474	231.425659
## 18223	3825.541	7504.016	814.439453
## 19233	3374.573	6422.000	1443.465576
## 9990	3346.106	6475.001	1694.629761
## 1665	3900.171	7670.495	1186.458496
## 20616	3744.120	7222.583	936.560181
## 5870	3970.484	7598.815	1298.597778
## 22118	3711.308	7474.064	1674.113647
## 8716	3580.918	7028.750	998.479065
## 14959	3507.000	6935.977	723.819397
## 15305	3337.935	6547.000	1278.361572
## 10765	3520.490	6876.391	805.531860
## 12314	3548.494	7115.002	713.664978
## 16059	3335.413	6557.999	1065.329712
## 14120	3824.078	7457.071	2205.379883
## 12463	3655.044	7431.924	2386.487793
## 21177	3811.302	7216.481	1175.194092
## 6725	3686.512	7128.366	2863.244385
## 2474	3912.242	7597.488	1128.383301
## 5514	3932.681	7487.507	930.251770
## 15344	3384.398	6626.852	1478.592896
## 8959	3913.371	7430.241	1844.835815
## 14164	3708.300	7183.476	1710.650635
## 16601	3352.222	6580.001	883.970093
## 10734	3355.505	6415.000	681.004272
## 20179	3647.598	7035.580	1149.632202
## 4153	3311.609	7371.127	763.564087
## 17272	3755.537	7342.379	749.042908
## 21470	3489.730	6645.455	1409.659912
## 15028	3496.264	6729.689	1175.352417
## 2867	3885.818	7703.352	1244.102295
## 10078	3978.610	7540.208	1533.477661
## 8973	3915.352	7617.140	1263.643921
## 1845	3587.861	7099.999	1004.522095
## 18506	3602.267	6823.172	793.627136
## 15886	3530.561	6911.114	2106.804688
## 13923	3743.797	7235.484	1356.898071
## 12386	3683.691	7408.714	1425.417847
## 4188	3793.685	7433.763	985.697632
## 11568	3643.092	6861.933	1213.308960
## 13934	3422.185	6424.075	1193.578247
## 12218	3356.272	6362.000	2067.029297
## 7024	3626.930	6855.813	2346.633301
## 20645	3552.105	6853.473	1504.954956

## 6028	3854.228	7354.459	1809.880493
## 13629	3673.892	7136.501	1152.660156
## 19527	3722.877	7225.000	1713.290161
## 8714	3799.327	7521.944	619.793274
## 18762	3729.597	7152.502	2089.843506
## 3420	3864.490	7665.777	1559.815308
## 18538	3859.497	7239.649	1009.323730
## 1789	3363.809	6514.000	1255.184448
## 10733	3866.033	7425.189	1173.967163
## 12424	3738.840	7174.999	1114.386108
## 17337	3578.500	6849.344	860.480957
## 15389	3432.376	6719.829	1252.560425
## 6219	3612.760	6961.626	1185.076294
## 13960	3367.298	6510.000	1780.314819
## 10917	3355.112	6671.621	129.718918
## 18620	3949.904	7575.743	1468.794312
## 11929	3434.537	6896.324	569.533569
## 4739	3687.735	7374.582	1706.018677
## 11187	3645.534	6790.700	1301.223755
## 1632	3871.962	7517.811	990.615417
## 93	3591.057	7018.293	810.297363
## 7712	3800.424	7440.125	2501.623291
## 829	3902.275	7609.816	1126.704834
## 7211	3349.505	6502.000	715.493591
## 14322	3715.845	7302.460	1120.813477
## 5679	3813.254	7391.001	1393.927979
## 4230	3380.213	6807.813	885.014465
## 4813	3316.003	6626.000	1582.249023
## 1803	3775.269	7529.395	604.066406
## 466	3797.882	7587.814	1959.832886
## 1499	3829.270	7345.796	1191.789673
## 4527	3478.314	6995.141	582.148865
## 17103	3761.971	7470.045	1879.314697
## 8125	3359.908	6522.000	739.671631
## 7847	3422.296	6754.167	246.570129
## 20098	3852.112	7418.752	1153.739746
## 14632	3343.724	6482.001	1142.850342
## 11114	3934.379	7519.333	1389.890747
## 13471	3624.933	7064.774	1426.305908
## 10084	3937.620	7409.591	1463.077271
## 22009	3727.533	7225.000	2992.716064
## 12122	3323.176	6610.001	1367.734985
## 254	3813.386	7574.192	2386.249268
## 7863	3761.868	7312.500	2009.821655
## 6158	3300.873	6653.846	279.610809
## 6871	3789.112	7486.094	591.844482
## 22116	3596.923	7295.672	1251.970581
## 19815	3749.230	7186.694	333.911163
## 8376	3707.651	7314.287	851.575012
## 2168	3335.162	6568.000	670.575928
## 13706	3366.348	6497.000	1372.417969
## 19888	3803.194	7428.034	1239.722412
## 15311	3155.298	7311.249	5.009970
## 17142	3599.735	6955.209	1573.433228

## 5232	3535.357	6874.343	1362.786133
## 11479	3862.162	7548.703	999.183167
## 17747	3930.200	7596.310	1067.981323
## 16054	3332.900	6575.000	919.482056
## 21407	3828.033	7429.704	1252.486450
## 1746	3305.759	6594.001	832.414612
## 14216	3665.102	7280.356	1201.679565
## 9600	3297.234	6480.000	1149.634644
## 20037	3372.918	6716.965	1067.665527
## 11557	3359.824	6467.999	1012.090332
## 17546	3400.635	6616.667	1804.177490
## 8182	3090.319	6993.024	1063.552246
## 793	3670.281	7144.389	1236.434326
## 20293	3882.120	7467.339	1657.936035
## 11166	3716.524	7150.877	2513.656494
## 14513	3763.658	7420.538	918.910645
## 19513	3903.075	7583.617	1096.019653
## 1712	3754.389	7350.542	1336.440063
## 1654	3345.098	6588.000	383.116821
## 10944	3809.551	7497.046	1602.262085
## 10709	3651.076	7301.415	1317.216553
## 21575	3842.245	7514.961	1841.464233
## 5516	3358.556	6664.424	1659.832520
## 8776	3499.082	6767.969	792.929749
## 3365	3614.112	7005.114	839.225830
## 18059	3606.720	6874.391	1060.618164
## 5183	3573.655	6898.684	2145.706787
## 3464	3515.494	6982.144	3029.742676
## 21864	3350.284	6518.002	2182.984863
## 2161	3435.079	6730.172	591.380432
## 18610	3338.947	6442.000	176.647614
## 7123	3773.997	7393.517	1626.782593
## 17117	3838.162	7380.807	1396.343506
## 17014	3361.441	6724.140	1372.410400
## 13911	3654.366	6992.933	1745.141479
## 361	3573.927	6709.210	170.992432
## 4103	3343.730	6563.002	1239.186035
## 1527	3863.714	7601.120	1628.154907
## 15407	3610.109	7082.447	236.166840
## 11719	3345.032	6420.000	99.598663
## 15818	3344.523	6828.126	316.136047
## 9989	3590.106	7002.976	1515.259644
## 18727	3483.035	6805.470	984.839294
## 4937	3869.016	7661.997	1361.096680
## 12500	3697.535	7162.729	1195.879883
## 21730	3639.716	7156.500	1014.063477
## 20851	3660.457	7050.002	923.718933
## 940	3759.403	7383.437	1300.936279
## 17738	3460.529	6665.002	1425.745850
## 17273	3769.533	7308.131	827.901978
## 6300	3949.108	7624.554	1826.031738
## 18081	3732.176	7075.432	1167.746216
## 14543	3638.260	7328.906	389.956177
## 22435	3866.215	7450.146	1386.788330

## 21856	3557.142	6978.380	2058.189453
## 5734	3813.386	7574.192	2386.249268
## 19494	3358.677	6502.001	1273.184204
## 3739	3326.064	6546.000	1010.982361
## 5188	3704.455	7220.178	1457.292847
## 8330	3733.797	7286.291	1022.900146
## 3616	3488.840	6617.970	1316.168945
## 14194	3262.647	6525.000	921.336670
## 14237	3896.425	7659.943	1075.215454
## 21586	3743.114	7413.176	695.494812
## 21601	3739.900	7327.692	1614.099609
## 13027	3357.867	6538.000	506.948120
## 11653	3286.125	6581.001	585.938293
## 18413	3587.264	6908.722	350.033508
## 8048	3777.284	7045.833	1502.658203
## 14599	3743.506	7225.705	1963.312744
## 5460	3411.942	6875.783	136.910858
## 8041	3378.057	6244.000	2067.403076
## 14193	3772.407	7377.013	822.035461
## 6613	3317.518	6562.001	1724.397827
## 18924	3616.887	6866.466	722.019714
## 4616	3548.084	6865.540	806.641541
## 1230	3907.695	7563.993	1034.422974
## 19560	3799.824	7401.510	753.705383
## 1247	3773.472	7459.184	973.338135
## 14730	3185.704	6276.000	89.597527
## 12550	3751.342	7430.335	1668.277832
## 22537	3488.545	6680.646	2490.590332
## 15871	3548.290	7021.250	1597.328735
## 10632	3578.353	6892.106	1649.691162
## 9328	3477.373	6753.127	768.172607
## 10654	3690.882	7387.680	1152.446777
## 541	3353.106	6505.001	703.728516
## 18888	3328.495	6545.000	573.598633
## 13595	3797.002	7133.563	1746.058838
## 15434	3190.079	6736.540	1659.053223
## 20342	3551.574	6944.149	1309.642456
## 612	3557.090	6740.715	3021.231201
## 20372	3323.582	6460.000	654.823547
## 7427	3411.718	6768.752	560.498474
## 14872	3598.669	7054.650	523.040039
## 14024	3631.727	7384.249	832.511658
## 14900	3332.963	6490.000	758.742615
## 20971	3678.842	6859.041	1926.575684
## 7502	3538.496	6915.279	1709.585938
## 6735	3943.296	7628.063	1293.888184
## 12259	3373.711	6512.964	785.529846
## 2746	3846.469	7661.226	1345.500244
## 3020	3691.379	7294.170	1229.140503
## 21373	3372.789	6382.000	1922.664062
## 22376	3883.634	7500.005	1136.011963
## 10003	3907.064	7591.066	1554.273804
## 16076	3345.278	6551.000	1030.567139
## 19588	3817.344	7456.641	1699.839111

## 22196	3689.797	6997.580	684.405029
## 15154	3687.462	7395.486	770.294128
## 17430	3520.430	6952.705	750.449951
## 2516	3710.167	7290.678	1117.550537
## 2845	3573.061	7032.500	1244.654297
## 1082	3324.401	6537.999	1056.942383
## 7687	3924.778	7529.450	1429.443604
## 18518	3938.206	7565.442	918.359192
## 17299	3564.270	7071.430	1665.101807
## 3494	3503.378	6732.353	947.086304
## 20619	3673.540	7053.126	1297.681152
## 7798	3498.862	6903.677	1153.907227
## 22077	3364.424	6555.000	2334.006836
## 8179	3331.180	6398.002	508.977142
## 17930	3930.638	7621.574	1326.896729
## 10341	3362.112	6575.926	688.013367
## 5326	3845.244	7452.742	1858.705933
## 7866	3842.539	7429.521	1713.798706
## 9667	3655.193	6965.761	1648.404419
## 2551	3894.417	7599.244	1410.666382
## 67	3865.842	7567.123	489.673737
## 2136	3836.549	7402.249	938.470093
## 17282	3348.248	6539.001	928.153687
## 21642	3367.634	6486.999	1064.193115
## 13404	3764.151	7230.597	1222.298096
## 17886	3794.150	7464.131	1820.174438
## 10582	3635.196	7291.072	729.640320
## 16148	3772.413	7400.682	1528.419189
## 12162	3767.177	7347.438	1006.764771
## 8334	3409.415	6362.069	291.650452
## 1503	3831.133	7372.272	1415.815308
## 18484	3600.749	6935.717	1620.354736
## 11058	3369.456	6368.001	2087.145752
## 17741	3944.979	7614.460	1119.436768
## 421	3604.336	6948.837	272.791718
## 6050	3935.252	7524.290	1680.631714
## 15768	3856.742	7508.475	1719.973999
## 22001	3775.869	7435.245	1950.538574
## 9527	3857.873	7445.577	1357.130615
## 18099	3904.808	7437.704	1750.302490
## 21416	3507.819	6817.426	1030.365479
## 12046	3517.155	6720.589	552.312195
## 6146	3654.993	7243.983	424.083832
## 1428	2514.771	6464.423	162.728333
## 6066	3883.261	7382.886	1874.418213
## 20462	3642.902	6968.618	1393.659912
## 4007	3671.223	7307.318	841.522095
## 4095	3364.430	6599.039	1512.315063
## 18867	3666.318	6978.723	1436.863647
## 14796	3363.480	6510.000	1851.272949
## 11296	3756.256	7317.959	818.355469
## 8773	3348.792	6471.000	435.086182
## 17140	3362.457	6798.531	578.451904
## 6014	3756.148	7411.710	1367.471924

## 11259	3952.336	7519.951	1190.235229
## 20839	3684.195	7091.000	1076.458984
## 10442	3579.438	6720.271	604.998596
## 10961	3693.298	7053.848	2098.223877
## 12955	3769.252	7392.951	770.948669
## 3911	3823.429	7454.292	960.023865
## 19340	3614.026	6846.951	663.954651
## 22427	3353.646	6572.999	1867.239258
## 19556	3441.254	6887.098	1247.263428
## 7148	3856.961	7554.434	1327.083496
## 18778	3331.174	6407.001	117.817490
## 7693	3813.235	7233.793	1092.326294
## 21661	3382.126	6572.115	1513.073975
## 266	3396.342	6642.593	2694.580811
## 17703	3254.575	6111.001	133.292404
## 587	3335.213	6590.000	1970.623169
## 15246	3542.593	7123.781	1101.454590
## 7118	3607.027	6991.860	1270.723999
## 4342	3731.732	7268.423	1527.023438
## 19750	3442.421	6773.486	1599.062744
## 2223	3636.686	7371.187	993.725891
## 6400	3838.407	7531.299	403.547516
## 13981	3844.680	7439.529	1531.483521
## 10770	3514.609	6938.196	434.645203
## 20457	3430.653	6713.793	1084.728027
## 10258	3519.397	7645.584	609.727844
## 17471	3837.550	7450.251	1777.382080
## 4774	3557.704	6932.434	1108.643555
## 10721	3617.139	7201.597	1913.175903
## 15438	3793.922	7516.574	1036.110352
## 14927	3835.571	7564.115	1094.707764
## 1868	3741.954	7237.123	1109.317627
## 18573	3917.282	7561.681	1175.456787
## 2222	3310.987	6522.000	597.975891
## 15889	3821.379	7609.568	1101.271118
## 12168	3348.193	6283.000	641.149536
## 16557	3300.968	6530.000	279.166199
## 14398	3550.703	6838.196	1335.725830
## 21927	3951.295	7603.057	1437.133057
## 17628	3613.359	7655.136	1875.786743
## 13868	3893.656	7546.833	1656.876465
## 15561	3564.307	7332.727	1582.297485
## 14852	3757.791	7334.591	2165.882568
## 4936	3619.827	7565.625	619.841309
## 210	3292.105	6408.001	258.049774
## 18615	3827.453	7483.881	1572.894897
## 19042	3851.881	7419.473	1256.169556
## 12476	3628.223	7315.908	1542.045654
## 2651	3763.758	7692.713	1213.371582
## 3709	3854.289	7544.520	1396.182617
## 17639	3511.799	7379.673	881.413269
## 20695	3371.527	6322.000	1573.809570
## 17405	3854.990	7603.765	847.825623
## 2242	3776.182	7357.912	1264.139282

## 21917	3934.735	7612.955	1155.913574
## 13941	3550.582	6854.862	832.869751
## 13105	3791.634	7564.518	1164.744629
## 4358	3898.874	7627.740	1260.985962
## 6879	3585.660	7041.479	198.040848
## 3656	3799.490	7396.550	1286.833008
## 1217	3345.712	6519.999	744.473145
## 8508	3301.092	6628.000	329.099854
## 14265	3737.095	7216.790	1077.683105
## 8572	3414.749	6783.622	679.322510
## 14306	3322.649	6475.000	1499.939453
## 16623	3628.345	7113.069	1111.313110
## 4538	3471.081	6939.395	932.856750
## 8512	3334.307	6566.001	869.634033
## 4552	3698.114	7493.506	1400.959351
## 9360	3345.270	6534.001	1015.753296
## 7922	3367.921	6253.000	2229.200684
## 15465	3787.869	7447.284	1329.988037
## 12262	3918.077	7517.359	1347.411621
## 19826	3524.764	6780.148	751.062134
## 19362	3789.413	7234.107	508.539368
## 15070	3328.340	6619.000	913.069214
## 22095	3760.942	7318.313	2114.055420
## 20509	3921.537	7486.872	890.574463
## 13736	3869.582	7179.709	1186.747070
## 20653	3683.710	7071.567	1394.993652
## 22156	3147.478	6741.668	652.369385
## 9405	3734.808	7316.785	776.480835
## 3980	3819.083	7463.762	1395.862305
## 12812	3751.251	7445.691	525.241516
## 15227	3481.778	6871.094	1207.418457
## 11443	3903.419	7408.495	1993.580688
## 21090	3508.668	6700.000	673.625549
## 7692	3950.671	7334.199	1413.119019
## 16819	3563.011	7105.625	1304.847290
## 13559	3367.451	6585.578	1872.089722
## 4730	3337.041	6556.000	1203.779541
## 3715	3889.544	7574.901	1222.183594
## 426	3865.865	7530.503	286.585846
## 21995	3557.540	6984.210	2019.555908
## 10181	3571.361	7021.875	441.797638
## 16912	3821.769	7704.113	1538.233032
## 14160	3600.849	7090.427	1721.962158
## 21017	3911.447	7490.513	1418.254639
## 12058	3235.199	6211.208	13.946534
## 10731	3335.825	6365.000	1016.565979
## 18903	3348.204	6484.001	693.677795
## 10899	3445.807	6822.582	1219.944580
## 14797	3802.548	7363.221	1030.957642
## 21186	3918.611	7649.300	1107.119751
## 12710	3739.266	7295.771	1391.096802
## 9577	3325.683	6559.000	528.835693
## 11376	3367.981	6596.155	926.152893
## 18121	3954.817	7542.695	1397.698242

## 12355	3689.409	7141.519	2075.157715
## 19040	3424.097	6609.824	1064.270996
## 15558	3749.768	7188.076	1391.426514
## 10923	3471.155	6720.140	289.095795
## 21313	3776.319	7396.085	1587.141479
## 11714	3252.142	6408.001	1333.025269
## 19696	3879.325	7515.089	1794.264648
## 6684	3639.248	6987.945	1063.439941
## 8213	3408.863	6656.250	1102.413818
## 17420	3736.728	7365.125	1304.547729
## 13255	3794.130	7326.648	1781.190552
## 5335	3615.597	7147.449	1041.632568
## 1444	3737.691	7289.854	1505.958618
## 3448	3525.933	6953.289	1390.895630
## 3919	3656.745	7357.916	1173.493042
## 8964	3214.727	6512.001	1309.786499
## 5856	3973.379	7617.872	1484.431885
## 4623	3590.642	7082.355	2034.569946
## 19800	3748.979	7163.309	876.712585
## 1791	3380.951	6624.039	1432.091064
## 18252	3814.556	7421.393	1086.238525
## 3936	3796.538	7470.251	901.975037
## 10786	3475.883	6937.879	1162.966797
## 4790	3899.363	7590.121	1157.415894
## 4187	3775.331	7500.788	1243.041138
## 5109	3349.514	6480.000	1269.598267
## 19859	3349.066	6510.002	1444.512085
## 4199	3897.503	7603.315	1640.336914
## 8163	3448.769	6780.469	318.979065
## 16597	3349.510	6550.000	1098.921021
## 21145	3776.205	7100.746	1711.283081
## 18419	3927.248	7497.375	1350.565430
## 18180	3559.422	6961.842	868.661499
## 11216	3347.184	6455.001	1077.722412
## 16756	3549.981	6930.406	836.275879
## 14394	3873.606	7248.951	1160.911743
## 2521	3803.029	7535.355	944.259949
## 22326	3491.750	6653.908	2383.440918
## 14672	3803.528	7470.457	874.634888
## 3072	3931.849	7620.288	1203.248535
## 8479	3918.043	7643.647	1226.986694
## 22177	3473.308	6698.334	3696.572754
## 12721	3665.982	7332.500	193.390717
## 13566	3337.254	6498.000	1110.820557
## 14787	3736.548	7366.072	1096.424194
## 20476	3370.792	6339.000	1767.831299
## 4318	3349.093	6579.000	1198.787964
## 20192	3773.308	7166.319	1272.652832
## 14443	3835.463	7514.043	1150.541016
## 21950	3921.560	7598.244	977.180969
## 7634	3781.165	7454.045	194.724579
## 14098	3557.261	7464.532	709.938538
## 1382	3898.871	7644.278	1349.799561
## 13134	3712.912	7237.502	1662.400635

## 9416	3932.779	7696.907	1261.867676
## 3069	3565.655	7137.196	1640.891846
## 11196	3303.431	6516.000	1354.106079
## 15869	3533.561	6788.890	758.226624
## 3525	3748.661	7365.541	1181.865356
## 3170	3747.819	7540.341	920.138123
## 8952	3286.604	6533.000	363.549591
## 16706	3560.721	7101.250	955.974426
## 9759	3490.802	6902.142	223.428406
## 15273	3236.533	7674.279	972.496216
## 10164	3367.284	6568.271	860.084229
## 15803	3328.084	6573.000	895.466980
## 4143	3868.335	7638.555	2288.478271
## 9543	3898.952	7640.452	1232.706543
## 9840	3461.483	6810.485	928.306030
## 15696	3659.018	7037.500	1466.484741
## 1522	3856.389	7508.334	1826.077393
## 12251	3341.808	6451.001	1461.563599
## 8802	3552.313	7159.616	488.813721
## 22251	3850.553	7432.734	578.177551
## 5984	3540.951	6930.264	207.075516
## 17241	3724.824	7256.338	1682.728027
## 13352	3565.806	7005.770	1632.680420
## 6232	3740.820	7318.657	786.195740
## 12943	3286.691	6630.001	1420.460083
## 19259	3892.064	7511.976	1348.842407
## 3664	3715.076	7389.491	1333.767822
## 7602	3371.456	6411.001	1485.935547
## 4098	3521.573	6881.619	1078.005615
## 11342	3412.885	6787.501	1365.736328
## 6258	3450.552	6864.518	1479.188599
## 17120	3882.459	7693.538	973.301208
## 4516	3576.470	7133.722	1896.504272
## 9753	3810.677	7610.637	463.603119
## 13260	3748.073	7129.333	2113.351318
## 9321	3590.125	6828.950	1157.360107
## 2988	3842.276	7517.948	735.781616
## 1736	3658.085	7030.852	1218.913330
## 3268	3797.686	7545.952	1435.688477
## 5352	3582.684	7304.467	331.974701
## 12706	3675.636	7225.943	1529.122925
## 18047	3647.693	7023.980	602.676575
## 6117	3644.494	7054.546	323.975281
## 14290	3794.284	7530.751	1672.422729
## 10564	3303.229	6549.001	29.773954
## 5544	3688.775	7326.586	431.858398
## 11022	3430.400	7204.916	53.580013
## 17406	3652.822	7117.004	2489.135742
## 7614	3701.413	7155.660	1518.561646
## 12238	3330.840	6504.001	661.294556
## 8554	3314.936	6543.890	0.926765
## 9312	3749.344	7191.938	604.327148
## 4244	3732.551	7068.105	898.221130
## 4033	3821.973	7604.061	1758.765015

## 10355	3790.037	7327.438	1276.615723
## 20326	3724.119	7433.733	579.203003
## 15540	3693.516	7207.076	1846.817505
## 6081	3528.162	6662.878	1434.369629
## 7776	3474.658	6714.519	756.007446
## 19835	3389.673	6489.424	1071.930908
## 6230	3792.967	7402.063	1294.878174
## 18505	3709.760	7480.423	602.281006
## 20169	3814.297	7565.563	1029.478149
## 10895	3347.741	6570.000	1424.306030
## 954	3232.236	6537.000	613.661926
## 13090	3938.169	7624.957	1205.947388
## 18145	3236.163	6661.001	189.840439
## 9012	3333.450	6608.000	903.767456
## 8462	3287.226	6516.001	1138.560913
## 11686	3694.687	7131.537	1538.266357
## 3955	3490.931	6977.630	1301.030518
## 15283	3632.277	7043.889	2044.315430
## 2658	3573.316	6890.854	1033.036743
## 21688	3360.271	6522.999	1372.779297
## 13578	3438.946	7176.633	335.769806
## 5258	3811.775	7437.368	1856.722900
## 15455	3397.603	6581.482	295.961090
## 7842	3404.847	6680.003	63.572948
## 9414	3822.454	7427.287	1314.796021
## 12993	3637.336	6987.502	1193.184814
## 21043	3429.854	6808.335	816.956909
## 12689	3882.015	7632.395	1616.452271
## 6075	3968.517	7572.211	1812.758789
## 8273	3401.856	6790.520	672.728516
## 3320	3477.708	6726.668	2119.784424
## 19002	3843.347	7544.312	2158.266357
## 16553	3577.586	7128.978	514.945251
## 10031	3876.680	7417.621	1165.517578
## 19705	3292.109	6439.000	413.073608
## 6787	3353.281	6403.000	367.190491
## 20479	3697.549	6914.904	1357.723755
## 15698	3685.236	7162.730	1723.426636
## 3005	3660.506	7244.232	857.038513
## 10101	3704.457	7203.620	681.421875
## 12051	2772.634	6960.000	81.542160
## 3912	3580.205	7186.932	2588.149902
## 13720	3500.426	6788.282	1821.715454
## 14952	3726.771	7432.726	1205.834106
## 2078	3595.514	7276.531	1431.178101
## 7476	3531.499	6850.000	1174.095825
## 8829	3392.598	6867.969	358.627075
## 22489	3511.431	6822.729	1355.825195
## 6681	3867.680	7277.584	1377.243652
## 3214	3380.561	6536.112	1479.437256
## 4367	3510.624	6859.288	1432.030884
## 18681	3680.673	7273.277	712.315735
## 18473	3939.260	7543.686	1290.743408
## 12432	3641.156	7235.096	893.780457

## 18492	3359.271	6406.000	1820.645386
## 6767	3363.417	6346.000	1861.224731
## 15806	3351.252	6492.000	619.088440
## 5127	3538.675	7050.611	1144.604248
## 17088	3872.382	7629.504	1266.309448
## 21973	3845.877	7562.602	1815.646484
## 3995	3737.128	7368.842	1220.256836
## 22388	3432.936	6696.097	507.809906
## 2495	3612.760	7068.606	1096.164062
## 7648	3837.417	7513.233	239.611526
## 16488	3797.629	7412.502	1184.957642
## 7522	3345.196	6538.001	1090.267090
## 12649	3351.721	6306.000	200.456726
## 4059	3567.965	7010.898	730.536499
## 13920	3717.639	7234.209	1261.030884
## 9314	3367.136	6500.999	419.571289
## 921	2559.730	7174.058	926.833679
## 6957	3350.674	6501.000	1312.467651
## 15733	3781.945	7384.998	1067.126343
## 7875	3767.247	7374.324	1175.358887
## 17836	3531.486	6965.975	845.944397
## 21649	3581.103	6919.739	882.655823
## 8382	3455.745	6900.001	2086.065186
## 8899	3736.677	7200.001	862.960449
## 9298	3682.410	7015.817	976.181641
## 18938	3319.027	6539.000	781.106018
## 15358	3243.556	6880.085	323.785034
## 4252	3759.640	7428.333	986.246887
## 4172	3639.591	7113.158	1631.999023
## 13010	3628.946	6985.000	878.237488
## 17890	3801.471	7450.000	1677.456787
## 3669	3618.526	7206.633	1366.578247
## 5199	3522.679	6905.556	566.908203
## 10306	3073.391	7196.111	565.388611
## 14017	3375.369	6568.270	2065.885742
## 404	3457.550	6897.729	648.594299
## 17520	3614.894	7082.386	2151.564941
## 18219	3548.508	6910.136	1018.044739
## 10531	3739.936	7330.129	955.873352
## 11280	3360.743	6402.000	940.167969
## 7624	3553.326	6917.106	502.820709
## 18005	3607.303	6961.047	332.616821
## 14723	3779.203	7469.829	872.104553
## 5725	3676.497	7126.922	1393.144531
## 8736	3569.257	6914.475	1195.769409
## 19532	3627.534	6864.287	1258.403076
## 6409	3447.930	6789.167	1130.159546
## 18277	3934.373	7552.553	2049.821533
## 1820	3666.193	7159.913	1465.827271
## 21926	3952.268	7635.262	1445.310059
## 12670	3597.789	7245.918	936.936829
## 17841	3272.619	6634.029	324.903259
## 4675	3598.492	6906.250	579.720154
## 11438	3865.650	7605.959	1746.240967

## 20425	3374.006	7022.859	349.544464
## 154	3765.048	7332.434	939.231201
## 21772	3921.852	7617.467	1942.239868
## 578	3862.296	7463.558	1129.465820
## 8452	3787.062	7081.905	140.696335
## 16682	3836.283	7535.088	1066.351685
## 15157	3650.064	7156.000	1482.868286
## 18638	3947.800	7569.633	1390.947998
## 11695	3712.132	7233.878	1344.501099
## 10748	3777.897	7613.821	308.638489
## 15202	3358.285	6837.933	628.219360
## 19653	3436.077	6773.333	171.736374
## 21160	3808.442	7393.821	1464.879150
## 13763	3827.969	7516.545	955.568726
## 6190	3568.858	7008.537	915.691956
## 11250	3957.464	7553.200	1408.400513
## 17998	3676.097	7131.021	1499.131470
## 18319	3363.058	7185.974	2332.087402
## 6347	3501.560	6922.223	606.555908
## 11898	3841.709	7544.962	1076.848267
## 20727	3385.360	6596.429	1021.344543
## 12422	3687.544	7130.454	846.981750
## 10569	3819.943	7196.267	1442.404907
## 13908	3666.955	7173.040	1240.012939
## 10422	3567.136	6673.648	464.793945
## 17429	3769.187	7333.000	951.602478
## 20022	3313.385	6506.998	1619.265869
## 14601	3614.006	7077.553	1191.052246
## 9898	3856.869	7471.612	1716.228027
## 1013	3798.201	7361.282	1293.322998
## 12023	3111.118	6675.000	9.652612
## 5297	3433.968	6711.209	1118.768188
## 17719	3730.339	7299.602	411.955170
## 5927	3287.848	6601.000	458.872894
## 11288	3463.157	7368.026	2221.357910
## 19946	3358.667	6509.000	1120.629639
## 11405	3767.048	7322.500	613.399353
## 20583	3331.716	6561.000	1778.204102
## 21489	3376.009	6304.000	1902.358398
## 4240	3515.041	7003.378	512.672607
## 1351	1014.338	7474.884	27.588366
## 19365	3287.692	6816.667	68.321945
## 10713	3840.313	7699.085	2169.572510
## 15261	3786.519	7341.141	1124.152344
## 12207	3870.082	7538.885	1686.570068
## 10767	3761.671	7388.098	544.830322
## 19937	3774.714	7086.567	1222.458740
## 20819	3701.567	7310.655	742.375977
## 14600	3478.813	6721.096	2115.227051
## 22482	3362.611	6496.001	1884.178345
## 16965	3573.882	6990.385	1383.080200
## 17881	3776.617	7536.426	1209.202881
## 16138	3497.719	6771.875	1629.773560
## 7583	3524.099	6716.667	658.592590

## 2729	3692.849	7039.906	1389.060669
## 22442	3772.981	7300.938	1913.325073
## 3745	3420.530	7030.769	592.232361
## 9415	3832.658	7346.285	1644.579102
## 8260	3880.850	7465.083	1567.575562
## 19137	3726.462	7260.416	1159.362549
## 11190	3556.434	6711.112	1209.437256
## 12421	3657.520	7130.613	718.631958
## 19032	3577.741	7271.250	784.313293
## 17596	3226.944	6587.000	24.749432
## 10988	3731.090	7009.323	980.664062
## 9774	3711.450	7319.444	1901.679932
## 14622	3726.764	7418.505	535.870789
## 5665	3708.205	7259.323	870.484802
## 948	3582.548	6998.782	1035.634766
## 12731	3458.482	6846.776	722.735718
## 14378	3838.836	7434.402	1441.233521
## 15701	3671.184	7117.453	1187.129150
## 9308	3407.338	6506.479	629.635803
## 9959	3646.428	6966.327	1650.193237
## 9028	3732.660	7238.524	1290.435913
## 7061	3852.809	7460.680	2510.374512
## 19952	3620.406	6904.268	574.663757
## 20328	3635.314	6934.576	1147.910645
## 13413	3538.804	6897.223	1240.145508
## 21149	3416.253	6564.815	660.618774
## 1330	3745.573	7462.951	1309.558105
## 6361	3343.459	6546.000	251.000732
## 6511	3946.002	7623.247	2053.509277
## 6358	3198.486	6941.407	5.710980
## 22212	3924.624	7470.316	1259.224243
## 22115	3771.253	7737.705	1214.843994
## 13630	3375.032	6408.001	1764.839111
## 14697	3908.882	7599.497	733.400452
## 12209	3513.771	7081.548	854.468994
## 20441	3380.394	7159.300	686.162109
## 21720	3727.584	7414.105	1071.888062
## 11639	3755.936	7431.326	644.376831
## 12152	3336.306	6561.001	1003.833740
## 17725	3817.736	7469.213	878.326965
## 6432	3670.688	7167.309	1065.318481
## 8860	3489.556	6791.668	1575.712891
## 6077	3978.973	7574.348	1499.810791
## 15053	3330.539	6572.002	1245.261963
## 11175	3711.563	7134.649	1485.880859
## 153	3735.672	7234.524	896.583191
## 4895	3716.036	7230.420	1419.368652
## 18317	3584.788	7023.751	1704.822021
## 5	3266.021	6688.795	446.452423
## 20474	3945.003	7517.522	1165.037720
## 10401	3286.139	6569.000	200.352509
## 15518	3459.976	6811.291	1990.146240
## 6482	3371.884	6185.000	1100.728271
## 21385	3738.131	7104.743	1139.252197

## 3611	3739.757	7455.938	1429.354858
## 15287	3441.447	6662.933	1228.576660
## 15195	3634.584	7625.002	489.163849
## 6168	3612.903	7094.188	1096.668823
## 13350	3590.243	7043.334	270.142639
## 15406	3723.045	7320.312	693.094238
## 3702	3673.176	7338.461	1485.385376
## 21520	3903.305	7587.116	1344.825073
## 5367	3311.382	6505.001	998.384521
## 4849	3327.339	6526.000	848.550110
## 15714	3589.000	7275.417	587.546082
## 11900	3735.891	7338.334	800.940063
## 17818	3296.398	6615.002	728.521179
## 19972	3343.960	6541.000	738.344116
## 5789	3765.859	7216.045	1119.994629
## 15927	3728.950	7474.722	841.648254
## 9912	3853.836	7353.835	1442.143677
## 2208	3738.688	7311.148	1304.932495
## 7410	3593.723	7098.838	709.617981
## 19900	3332.642	6643.271	780.157959
## 6084	3942.994	7629.338	1771.714233
## 127	3825.741	7503.214	1681.668701
## 997	3727.347	7379.211	1209.294800
## 9157	3786.709	7436.009	997.475769
## 22182	2331.624	7589.456	532.090820
## 7561	3668.599	7290.278	2374.777100
## 832	3883.533	7695.554	885.654663
## 19307	3918.019	7665.629	1400.561890
## 9566	3535.454	6956.081	783.200073
## 15723	3753.184	7318.834	962.126953
## 9893	3747.839	7080.416	1655.549072
## 502	3343.687	6516.999	978.789917
## 12297	3592.854	7039.026	936.601990
## 12121	3426.173	6718.965	2560.248535
## 990	3796.653	7555.809	756.595093
## 8673	3385.409	6562.963	968.368713
## 7023	3884.544	7590.996	1223.627686
## 9280	3723.939	7193.333	1090.606812
## 20477	3363.515	6346.001	1162.426392
## 7601	3731.109	7533.435	1566.245361
## 7161	3848.423	7453.227	855.626404
## 12667	3728.640	7302.692	1170.882568
## 15933	3344.617	7032.434	10.294928
## 12341	3954.715	7580.223	1529.581543
## 13693	3669.331	7008.512	1722.475220
## 13476	3471.791	6699.194	1100.981812
## 6253	3335.467	6507.999	1046.051636
## 7042	3544.880	7059.135	1072.095703
## 5982	3074.569	6696.429	81.485184
## 1968	3337.521	6611.000	1061.627808
## 787	3839.321	7514.379	1165.555054
## 19488	3396.873	6598.149	1165.544678
## 19451	3432.758	6635.715	2522.985107
## 21016	3923.703	7508.880	1505.162354

## 15598	3294.271	6740.742	848.276001
## 22305	3384.029	6640.179	999.982422
## 21454	3629.443	6891.669	1517.261108
## 14918	3283.290	7111.048	768.598877
## 17642	3352.917	6463.000	518.376465
## 13967	3899.278	7497.970	1515.230103
## 12896	3456.795	6637.932	1037.100220
## 19766	3464.852	6882.576	932.403198
## 7264	3710.049	7251.271	838.041199
## 16071	3349.485	6518.000	240.611755
## 2212	3703.891	7262.682	1020.426636
## 12859	3696.994	7207.871	1622.984985
## 20546	3445.483	6539.168	889.681335
## 7041	3835.992	7417.621	1712.301025
## 11051	3712.583	7151.316	2352.908447
## 19481	3565.631	6893.920	1999.230591
## 5334	3349.412	6578.847	1045.962158
## 9626	3393.252	6566.072	1293.935059
## 21925	3933.552	7631.952	1737.021729
## 3026	3712.205	7378.259	1502.873413
## 13129	3360.597	6617.307	1238.714600
## 19949	3367.568	6424.001	267.102051
## 2870	3892.359	7495.495	1374.139038
## 14047	3869.022	7646.460	833.956360
## 358	3334.159	6535.000	1323.354370
## 8766	3669.769	7274.094	564.246704
## 1612	3832.798	7409.351	860.182678
## 10935	3325.884	6550.000	382.405487
## 19824	3592.673	6776.974	1049.584839
## 959	3458.066	6898.437	584.978577
## 174	3720.724	7541.532	828.197205
## 21068	3366.629	6465.000	1370.785400
## 18669	3448.240	6757.033	195.570694
## 7490	3751.164	7333.682	983.180359
## 20044	3478.440	6784.167	2696.948486
## 12768	3602.438	7213.829	635.806824
## 7166	3663.364	6632.842	557.126343
## 6199	3108.425	6660.000	6.503083
## 8893	3866.294	7465.113	1099.138428
## 5186	3536.997	6773.572	868.299988
## 2757	3792.651	7405.584	1544.996094
## 21739	3767.487	7451.516	880.674500
## 3975	3576.787	6916.026	1259.632812
## 16910	3549.853	7125.609	2174.636475
## 19144	3421.569	6665.180	940.399841
## 17072	3819.938	7578.362	1612.065308
## 15315	3506.955	7007.433	404.928406
## 15520	3671.884	7535.615	922.052734
## 6590	3695.573	7598.530	328.818298
## 2816	3353.671	6530.000	1874.092529
## 2923	3782.762	7442.382	1447.906738
## 6528	3779.877	7320.456	1103.617676
## 20148	3858.189	7441.232	1171.577148
## 8325	3510.522	6758.824	174.881149

## 20261	3344.338	6525.962	937.512573
## 17197	3162.060	6526.001	1.764519
## 12	3343.051	6493.000	482.520508
## 14141	3790.958	7317.075	1238.093628
## 5129	3690.561	7463.228	782.270874
## 6912	3499.771	6821.214	613.740845
## 19561	3802.268	7288.082	1643.446411
## 20122	3617.196	6914.024	419.777771
## 20965	3848.502	7430.049	1381.525024
## 11820	3363.146	6798.026	121.915878
## 22193	3444.937	6448.388	441.000671
## 4553	3513.324	7396.773	233.654037
## 18387	3555.702	7209.184	188.134903
## 11183	3934.515	7585.434	1369.476685
## 1380	3345.619	6558.000	964.359192
## 3836	3880.312	7584.779	1426.535400
## 11892	3490.361	6818.182	956.806702
## 4154	3771.808	7456.556	1729.515381
## 5542	3800.772	7559.460	1492.390625
## 13412	3624.145	6871.343	1207.187866
## 4229	3576.208	7190.307	1486.399780
## 12519	3689.896	7378.844	966.761292
## 20594	3336.975	6532.000	1036.066406
## 21840	3378.799	6530.769	1265.697144
## 12687	3764.447	7438.802	919.370728
## 11232	3848.683	7232.813	1047.960449
## 16345	3374.037	6654.629	673.725586
## 16903	3772.820	7561.249	628.904724
## 19321	3515.898	6878.571	1228.417603
## 20282	3627.694	7008.889	1443.677124
## 17637	3378.360	6590.625	48.397282
## 16177	3653.810	7175.510	1806.096558
## 15498	3339.121	6606.001	683.521790
## 8505	3357.631	6721.297	496.418274
## 8696	3524.414	6974.326	522.507690
## 9725	3848.719	7432.870	1286.556396
## 9248	3494.641	6894.854	1374.826782
## 12056	2835.228	6538.001	0.522872
## 7918	3382.771	6768.941	1297.651123
## 21332	3357.891	6550.000	3230.813721
## 17139	3527.898	6799.326	1895.705444
## 1830	3343.711	6590.000	885.377502
## 3168	3646.746	7230.884	1091.832642
## 7992	3898.506	7484.740	1652.859741
## 18015	3468.911	6884.559	925.368164
## 14267	3337.562	6522.001	1556.341919
## 5288	3579.480	7142.857	1543.106689
## 20565	3336.750	6550.000	2247.239502
## 4915	3627.918	7181.771	791.929871
## 10594	3907.315	7752.761	1748.349976
## 17532	3782.214	7232.535	2132.876465
## 10314	3361.843	6499.000	803.503174
## 2245	3318.854	6546.001	743.062622
## 9138	3664.077	7165.680	1809.475952

## 3035	3528.378	7018.604	1437.079102
## 1886	3849.644	7631.321	1556.461182
## 20942	3686.682	7277.587	823.817688
## 5162	3777.803	7473.094	431.677124
## 20941	3436.631	6765.000	1013.360474
## 1841	3757.548	7460.542	1533.621338
## 18085	3347.106	6507.000	1897.936035
## 11879	3630.906	7080.000	1077.188721
## 21687	3343.908	6512.001	943.100586
## 16797	3485.458	6913.972	1458.473267
## 4567	3623.017	6989.445	1423.738770
## 19364	3830.612	7695.283	171.318939
## 8289	3841.811	7465.473	1798.114380
## 2877	3941.210	7634.529	1333.169067
## 14701	3668.358	7280.189	2374.218750
## 5695	3959.216	7592.917	1452.665405
## 7670	3350.266	6431.000	482.133575
## 20861	3764.753	7232.837	1255.154785
## 18840	3899.811	7492.702	1590.280884
## 11394	3717.985	7328.626	1200.729858
## 20860	3840.814	7343.085	392.679901
## 6475	3836.380	7468.916	1681.559448
## 816	3870.240	7503.309	911.636536
## 3760	3449.592	6820.162	818.180115
## 12736	3312.219	6579.000	1251.522217
## 9962	3945.347	7577.263	1333.544434
## 1331	3666.284	7290.948	1073.831055
## 19202	3719.983	7232.915	1231.143799
## 9534	3849.641	7440.132	1481.944458
## 17523	3528.157	7017.949	240.742325
## 14932	3697.331	7666.753	773.691101
## 12069	3653.461	7111.271	1222.468018
## 5253	3410.684	6997.857	1564.728760
## 13512	3328.392	6434.000	85.962006
## 15901	3838.154	7501.025	746.876526
## 22291	3703.213	7343.750	31.480764
## 13329	3961.598	7509.032	1513.474487
## 21532	3446.624	6667.501	1155.649414
## 1000	3760.859	7429.951	1245.681030
## 6340	3540.384	7241.488	2187.286865
## 7214	3521.162	7313.700	826.506958
## 20599	3720.657	7174.167	1188.260986
## 10068	3414.511	6501.787	1686.094116
## 13371	3337.364	6473.001	921.975830
## 22288	3379.555	6860.834	609.474243
## 18242	3838.715	7410.354	1405.148193
## 22487	3702.111	7311.638	1977.133911
## 11978	3300.098	6540.000	1358.633057
## 85	3611.688	7052.273	737.658264
## 16547	3676.458	7440.770	790.991821
## 5757	3710.995	7208.190	1601.886230
## 14812	3561.509	6734.210	180.888382
## 15802	3758.019	7453.660	619.557190
## 4872	3588.400	6709.210	594.398926

## 5479	3350.177	6556.000	1685.945435
## 20031	3738.260	7204.509	1274.924072
## 992	3899.928	7591.323	1467.687866
## 5273	3446.059	6929.167	434.809235
## 65	3770.165	7409.594	631.158813
## 21837	3856.174	7539.228	2486.541748
## 5955	3624.081	6895.917	367.059631
## 1539	3931.928	7762.515	1402.261963
## 10362	3900.528	7408.335	1266.401001
## 15320	3351.227	6636.538	1757.829590
## 20304	3911.808	7558.082	986.468445
## 253	3779.736	7551.823	1805.911255
## 6481	3522.243	6878.474	954.336304
## 20959	3683.836	7113.500	1302.412109
## 2966	3685.482	7107.937	732.426697
## 20362	3906.629	7463.915	1430.657349
## 1647	3812.546	7495.312	1177.739990
## 4985	3709.376	7388.845	1571.796021
## 21351	3644.755	7230.287	1136.617065
## 4737	3645.268	7284.091	801.528870
## 15453	3673.457	7118.002	2055.557861
## 11586	3661.535	7203.018	1271.998169
## 4504	3649.297	7082.146	781.988342
## 3374	3643.689	7181.049	909.811584
## 21311	3204.485	6578.000	41.389996
## 15609	3345.319	6549.001	1264.500488
## 15214	3677.417	7163.943	1330.840820
## 5052	3311.420	6734.822	71.977180
## 9605	3679.240	7349.275	1064.417847
## 9552	3352.052	6488.001	355.539581
## 1945	3788.427	7372.842	1110.223755
## 9852	3336.209	6560.000	698.941223
## 15497	3336.234	6558.000	541.891052
## 18764	3349.821	6441.999	951.574829
## 14624	3369.879	6688.888	1049.984741
## 593	3554.264	7019.079	1644.334961
## 3154	3568.168	7002.382	979.421143
## 6904	3376.204	6575.001	336.012268
## 3592	3832.973	7745.347	1648.982178
## 2497	3799.037	7368.156	1068.391357
## 21369	3670.623	7040.957	1827.357056
## 21490	3374.345	6284.001	1941.379517
## 3666	3279.669	6636.001	1433.250366
## 21972	3359.351	6493.001	2593.952637
## 8083	3854.556	7477.771	1493.217896
## 21691	3365.144	6513.000	1753.730957
## 9421	3624.003	7203.125	1071.712280
## 11887	3571.347	6950.000	1308.348389
## 12489	3643.118	7106.861	1975.193237
## 3886	3618.181	7111.667	1176.062500
## 18336	3515.448	6991.429	1445.415527
## 3188	3357.066	6722.323	1669.099854
## 19990	3900.813	7412.646	1663.848755
## 20407	3351.057	6493.001	1692.356445

## 15063	3665.665	7089.584	1859.297852
## 12234	3540.313	6872.917	2142.053467
## 15825	3677.091	7259.056	648.212952
## 17775	3335.214	7111.046	537.555420
## 7336	3538.724	7004.607	432.154083
## 18831	3350.583	6493.000	1107.629395
## 2858	3685.088	7175.963	1667.249023
## 17271	3800.441	7611.177	1349.930664
## 9640	3561.604	6913.817	2211.142090
## 12990	3565.977	6800.676	1013.937744
## 8647	3925.391	7602.794	1677.349243
## 6352	3567.183	6979.879	301.170929
## 8781	3684.164	7181.133	952.924011
## 8837	3205.999	6412.001	103.337936
## 8044	3369.547	6340.000	1209.607544
## 12403	3342.588	6542.000	867.793030
## 1551	3233.480	6442.000	566.327454
## 6314	3601.267	6980.850	1026.814819
## 11312	3736.529	7131.049	1233.957275
## 5054	3363.337	7060.810	243.061676
## 1613	3839.708	7518.522	814.330994
## 16777	3709.216	6946.698	1585.027832
## 20809	3565.343	7008.334	1521.232422
## 15140	3349.953	6538.000	589.940002
## 5637	3954.559	7558.926	1459.570801
## 8798	3878.624	7442.481	917.880676
## 9522	3391.350	6570.372	1220.937378
## 11758	3898.838	7325.635	1284.109741
## 22236	3788.376	7534.169	577.694702
## 21561	3727.312	7439.939	414.242310
## 11178	3530.909	6780.002	956.941833
## 21218	3516.865	6942.684	899.860840
## 5596	3218.721	6530.001	470.253479
## 1153	3317.937	6350.000	1023.918823
## 5561	3982.942	7474.622	1712.226440
## 11225	3371.973	6355.001	1217.658447
## 11696	3824.419	7430.065	1286.499146
## 16883	3232.450	6527.001	2114.972900
## 4767	3534.132	6960.627	2340.365723
## 11841	3693.359	7140.624	1000.777893
## 977	3319.394	6608.000	876.703369
## 22481	3412.689	6666.963	1304.411133
## 1140	3360.071	6434.000	1983.598022
## 199	3437.537	6835.835	2099.327637
## 18247	3837.688	7425.720	1212.036255
## 7097	3439.043	6723.389	137.705902
## 12548	3846.002	7558.469	2351.993896
## 16420	3809.011	7546.357	1219.762207
## 11379	3556.368	6954.055	475.902985
## 15847	3822.114	7470.945	912.517944
## 13994	3628.839	7081.772	2246.445068
## 12665	3726.261	7320.384	1514.875854
## 26	3494.448	7405.139	907.943481
## 3492	3835.561	7455.371	1393.661377

## 6309	3946.314	7545.378	1622.949341
## 7084	3411.030	6844.167	458.449463
## 19479	3682.763	7128.924	1623.034058
## 10100	3402.810	6584.821	1376.532959
## 712	3860.295	7521.841	1025.462524
## 16461	3879.833	7589.027	1166.401733
## 6568	3874.032	7608.863	934.569214
## 21833	3340.621	6692.309	1086.593506
## 5033	3328.816	6643.270	1229.926636
## 3849	3845.845	7544.522	1442.986084
## 14608	3169.331	6510.001	167.717514
## 9952	3838.185	7438.095	1082.401001
## 17225	3470.385	6741.670	1596.056152
## 8768	3477.963	6865.153	711.062927
## 72	3785.242	7498.055	329.842804
## 18440	3789.973	7496.396	886.688660
## 16870	3710.236	7583.030	665.966736
## 9618	3390.793	6654.464	1740.059082
## 9842	3638.995	7083.154	1651.959961
## 1259	3825.682	7502.698	1136.634155
## 3158	3847.771	7675.285	1154.320068
## 21650	3648.714	6931.819	1439.834229
## 1578	3877.625	7692.490	1214.786865
## 363	3273.772	6283.000	23.684799
## 18817	3951.280	7569.918	1405.985596
## 15749	3769.654	7329.906	1345.598877
## 3605	3558.502	6980.771	1931.380005
## 11186	3911.564	7475.001	1113.440674
## 6220	3353.154	6471.000	1225.090210
## 11649	3769.460	7510.279	707.571655
## 19819	3368.058	6430.000	497.783539
## 22448	3335.331	6442.000	682.653015
## 9249	3855.378	7638.253	847.778564
## 21971	3503.543	6628.125	1427.518555
## 5254	3460.578	6956.081	801.391113
## 13230	3323.420	6600.759	492.106079
## 4339	3883.856	7666.480	1444.584717
## 11486	3739.804	7345.194	1466.652100
## 14168	3703.992	7176.272	2327.700928
## 6541	3797.415	7582.661	1630.364868
## 19611	3315.769	6589.001	900.418518
## 18017	3350.349	6768.421	790.280945
## 10142	3940.044	7640.143	1478.081909
## 11110	3893.616	7505.157	1262.396851
## 17600	3707.176	7067.674	1625.614746
## 5860	3958.220	7582.733	1551.546265
## 12845	3758.710	7531.862	1038.479736
## 10185	3593.876	6998.125	956.903992
## 11448	3429.860	6580.357	926.074341
## 4026	3837.421	7572.728	1661.814697
## 11810	3336.612	6639.000	921.885681
## 757	3386.339	6695.371	1346.215332
## 16348	3431.458	6624.999	1264.433105
## 20538	3932.065	7509.763	1155.996338

## 11404	3629.029	7101.667	1367.822144
## 18509	3969.477	7453.480	1134.968628
## 295	3766.521	7254.545	1680.836914
## 4933	3806.169	7594.421	749.957031
## 8588	3554.969	7408.469	765.559509
## 3278	3859.295	7700.543	1698.978271
## 3705	3693.000	7444.738	2659.778320
## 19049	3457.440	6563.794	795.704834
## 13819	3449.396	6630.172	1190.258179
## 9316	3363.392	6487.000	1307.824951
## 7065	3500.003	6812.122	976.142578
## 3141	3576.541	6791.892	1092.172852
## 15189	3759.886	7196.323	1190.284180
## 21594	3517.951	6874.306	1613.519287
## 20982	3751.824	7176.614	453.354736
## 12202	3696.715	7363.571	1425.960815
## 18868	3944.608	7603.262	1266.896240
## 20952	3516.812	6849.266	1104.945312
## 15962	3345.873	6444.000	790.700134
## 3427	3865.520	7627.702	1700.926147
## 9881	3847.885	7400.740	1259.019043
## 261	3849.833	7536.790	1848.341187
## 11888	3417.687	6682.143	643.711975
## 120	3433.968	6711.209	1118.768188
## 21992	3575.525	7104.998	2468.661133
## 1659	3788.265	7406.180	1364.877441
## 8632	3628.508	7475.748	243.408310
## 1604	3915.268	7700.568	1232.262573
## 8162	3833.861	7546.756	1240.628052
## 16336	3969.190	7540.779	1336.253296
## 18546	3960.322	7581.404	1379.640137
## 18167	3492.935	6884.722	324.973419
## 10018	3847.349	7606.010	1098.263672
## 15304	3831.588	7508.714	1412.228027
## 6176	3337.385	6491.000	635.894043
## 6683	3886.237	7555.113	1438.003906
## 16421	3799.871	7155.646	1142.004150
## 4173	3757.484	7395.360	1198.642822
## 18165	3512.494	6767.951	286.988403
## 10276	3420.099	6713.794	1221.882080
## 7278	3505.961	7485.805	550.296936
## 19672	3303.259	6533.000	2549.610352
## 7586	3277.402	7244.738	421.985107
## 15568	3898.785	7687.833	1119.316284
## 6870	3341.342	6829.688	427.523041
## 17630	3649.102	7119.148	1572.978882
## 4589	3408.360	6800.833	833.092102
## 10387	3342.978	6492.002	1206.685669
## 8183	3748.055	7299.472	777.418884
## 12486	3354.621	6442.001	1499.310181
## 1505	3786.060	7406.647	1090.313232
## 20756	3930.315	7551.320	1930.418945
## 14484	3656.002	7186.058	3236.723877
## 3	3771.984	7488.112	1544.147461

## 617	3431.010	6639.655	942.518738
## 17220	3739.046	7439.655	872.212646
## 18896	3462.601	6718.333	797.896851
## 19753	3725.564	7305.768	1263.904663
## 10436	3471.387	6976.318	1917.359863
## 5272	3343.196	6477.000	228.574127
## 15244	3720.781	7263.524	1206.438721
## 4829	3824.213	7446.173	1000.264771
## 21786	3582.288	7120.455	668.514221
## 5015	3836.891	7703.507	2108.846191
## 11675	3870.058	7541.311	1520.557861
## 15385	3399.348	6690.518	551.793823
## 14652	3356.879	6493.001	2701.047852
## 19496	3850.036	7327.074	1300.903198
## 19646	3482.658	6497.500	1347.237427
## 20392	3503.730	6766.178	934.054199
## 21212	3798.049	7538.548	1067.827759
## 6750	3312.895	6514.999	449.361572
## 16339	3348.785	6425.999	1724.245972
## 2074	3671.127	7304.099	1201.138550
## 17269	3707.207	7345.237	1504.137939
## 3575	3751.258	7328.526	1416.740112
## 12454	3392.145	6705.357	323.644135
## 16424	3439.003	6634.167	787.362427
## 4852	3623.227	7355.264	1414.769287
## 5278	3735.697	7321.537	358.374298
## 1142	3843.503	7450.000	1567.940674
## 12038	3588.776	7048.811	403.883850
## 7562	3373.902	6576.925	1696.010498
## 20567	3331.814	6753.449	172.358963
## 4478	3736.337	7347.619	1262.963989
## 8497	3499.208	6648.438	1704.445923
## 15429	3341.367	6497.001	578.544434
## 1424	3330.953	6494.000	1097.361084
## 14798	3193.637	6624.000	676.726746
## 7505	3774.381	7590.367	2432.481445
## 20536	3915.548	7572.463	1445.118042
## 20010	3361.089	6480.000	2135.221680
## 9072	3354.637	6474.000	722.325562
## 6881	3448.092	6735.001	790.861694
## 20640	3588.812	6839.473	1360.724731
## 9387	3851.721	7642.179	1052.727539
## 8279	3666.525	7260.714	676.837341
## 12577	3297.833	6655.002	1194.100586
## 10141	3774.821	7362.501	1615.365234
## 18540	3654.886	7410.313	448.995667
## 11356	3802.411	7539.934	1481.853638
## 17622	3804.058	7499.258	1679.205322
## 5474	3387.054	6598.149	1403.850586
## 8955	3254.521	6706.252	3.416463
## 21894	3802.000	7410.344	1971.812988
## 15591	3343.929	6539.000	1170.540283
## 6680	3408.960	6500.002	1108.501587
## 6100	3404.736	6375.927	410.176788

## 4441	3340.279	6565.000	1292.067749
## 17722	3356.183	6481.000	1176.496216
## 5999	3271.817	6515.000	76.502563
## 9090	3683.835	7025.001	1514.969116
## 22400	3904.807	7521.064	1575.414795
## 4341	3881.328	7568.340	1244.338379
## 17276	3367.799	6851.563	235.415634
## 8231	3427.502	6640.178	2294.837646
## 17555	3333.730	6548.077	365.665466
## 6548	3393.084	7024.323	161.364761
## 4901	3358.266	6666.346	2092.023682
## 3436	3876.549	7641.941	1394.789795
## 15045	2572.301	6796.554	0.655294
## 14633	3756.371	7291.218	755.598450
## 2445	3603.073	7006.668	806.990967
## 16794	3714.987	7380.080	1268.429443
## 14238	3767.754	7379.547	1376.494385
## 19716	3346.271	6554.999	1771.265503
## 4842	3526.610	6967.363	1342.452393
## 17955	3899.874	7567.893	1244.134766
## 14520	3765.945	7355.769	1266.440308
## 15050	3341.346	6601.000	1283.345581
## 12944	3315.550	6569.002	369.428497
## 6844	3241.095	6864.706	788.159424
## 7043	3836.703	7541.612	1760.254639
## 17242	3635.653	7039.897	1657.899658
## 6729	3684.740	7175.924	1261.900391
## 2890	3883.493	7676.471	1413.470581
## 15501	3883.783	7363.933	1807.370483
## 8050	3374.384	6243.000	1891.168457
## 2598	3723.385	7380.382	804.542664
## 6736	3819.482	7316.758	1506.594482
## 3090	3882.397	7554.111	1392.015747
## 13740	3678.521	7197.459	577.667175
## 10423	3347.861	6280.000	199.435410
## 19915	3509.932	6810.295	783.107117
## 19360	3312.517	6235.000	1037.367432
## 5168	3830.214	7393.683	1023.941467
## 118	3688.008	7323.633	594.870850
## 4399	3350.937	6227.000	420.085480
## 17007	3606.926	6966.464	1027.737671
## 8754	3550.912	6769.594	408.150452
## 12723	3700.715	7360.228	881.024597
## 15346	3833.242	7548.991	1510.975220
## 21069	3745.045	7229.434	1376.703369
## 21887	3857.577	7634.378	1246.701660
## 17935	3946.980	7628.798	1365.364990
## 9486	3672.029	7067.707	1551.055542
## 9073	3368.140	6432.000	1324.038574
## 16552	3559.952	7032.928	1602.340942
## 1694	3749.274	7433.881	1341.413818
## 7358	3902.137	7563.022	1576.955566
## 19855	3816.580	7633.509	1645.472046
## 6832	3334.654	6582.000	694.194702

## 3172	3763.175	7134.764	957.691162
## 11244	3328.267	6349.000	852.776917
## 17010	3733.784	7329.215	1369.395874
## 766	3820.345	7526.096	1073.780396
## 14625	3327.016	6603.000	1619.480225
## 2081	3685.442	7294.828	1524.194946
## 3683	3887.913	7696.683	1315.014893
## 14807	3765.782	7530.110	1031.968872
## 20559	3408.235	6888.281	145.724854
## 20852	3458.604	6599.140	1087.176392
## 1697	2490.424	6575.000	876.114014
## 17647	3136.598	6546.000	27.376238
## 10321	3783.511	7260.639	197.103745
## 15617	3315.921	6566.000	82.050789
## 17977	3350.955	6613.462	979.159546
## 7982	3360.131	6437.000	3437.807129
## 4116	3683.097	7149.510	1142.406250
## 2142	3409.868	6681.034	698.115479
## 8526	3493.186	6700.001	672.703552
## 15158	3444.881	6776.727	2317.967529
## 4752	3881.190	7647.923	1105.243286
## 5971	3691.297	6878.499	1492.923950
## 5675	3781.717	7490.981	439.048340
## 4862	3544.631	6875.002	1987.748291
## 9684	3792.392	7266.784	1811.475098
## 20738	3363.386	6447.000	2131.408936
## 8718	3326.406	6499.000	265.677582
## 847	3725.339	7422.828	1173.912231
## 15145	3773.773	7331.818	783.149170
## 9256	3837.684	7552.033	2318.794189
## 1131	3782.533	7516.107	1116.834106
## 8475	3738.244	7427.384	2104.286377
## 17938	3896.875	7394.484	1893.837524
## 13140	3350.076	6451.000	1138.031860
## 11906	3778.212	7336.000	1309.783936
## 4699	3819.733	7607.595	1218.887817
## 9611	3711.457	7342.664	1549.274292
## 5743	3734.876	7352.365	474.443665
## 13827	3569.521	6776.391	1035.765503
## 5324	3904.293	7491.968	2016.927979
## 6289	3953.386	7597.237	1777.685181
## 393	3624.081	6895.917	367.059631
## 11133	3949.866	7541.908	1534.229492
## 8827	3522.189	6941.893	1221.993408
## 9700	3622.813	6874.392	1070.104492
## 8561	3671.476	7183.182	933.789307
## 18104	3894.733	7431.451	1726.305786
## 723	3655.650	7155.771	1195.598755
## 13642	3744.177	7256.923	1509.833008
## 7921	3019.721	6538.001	60.456478
## 7078	3562.833	7053.845	779.082764
## 11825	3760.872	7521.221	109.286751
## 9643	3338.092	6600.000	841.165100
## 6015	3846.367	7550.612	1613.965088

## 2765	3522.648	7596.591	1148.139038
## 9878	3645.006	6966.478	1464.071045
## 13586	3722.784	7173.686	1404.689819
## 13397	3773.725	7176.866	1323.254639
## 5685	3950.792	7579.503	1417.146851
## 11065	3928.931	7547.847	1525.704956
## 9647	3553.075	6924.305	4011.815918
## 5559	3846.840	7547.095	1919.921509
## 6674	3742.773	7216.097	995.409973
## 18855	3923.720	7521.272	1425.964478
## 16202	3828.601	7521.550	1323.084717
## 4036	3839.014	7622.524	1579.876587
## 86	3589.646	7126.112	454.124298
## 5792	3462.483	6539.656	1008.928772
## 16058	3532.472	6991.892	1047.622070
## 986	3321.760	6516.000	920.848694
## 14397	3426.276	6750.863	1494.719360
## 8854	3353.492	6456.000	926.226685
## 15075	3697.211	7197.369	1137.147095
## 11965	3567.904	6794.445	1362.741699
## 1078	3737.921	7188.114	556.469910
## 691	3833.103	7481.194	1112.579346
## 713	3898.898	7595.716	1077.670776
## 517	2850.755	6893.549	810.331238
## 3229	3888.654	7556.046	1564.378906
## 14415	3895.009	7533.289	1360.453369
## 18595	3926.201	7589.125	1153.369141
## 17435	3881.745	7586.973	1157.275024
## 4797	3689.577	6902.500	597.372498
## 19478	3381.807	6592.308	1652.067383
## 18238	3528.065	6837.502	1332.728638
## 6379	3818.180	7326.842	839.668762
## 13262	3916.648	7561.519	1443.273071
## 11904	3462.733	6786.720	878.890320
## 2163	3847.488	7532.675	1042.252197
## 19622	3415.953	6484.259	2007.033813
## 3772	3870.379	7483.270	1080.953125
## 804	3607.094	7178.125	1146.564453
## 3111	3832.097	7538.437	882.588074
## 6088	3929.136	7486.280	1077.404175
## 20505	3411.245	6574.139	1339.142212
## 2955	3909.231	7667.967	1202.855347
## 4918	3892.596	7700.596	1419.165161
## 18088	3605.903	6951.705	1174.131348
## 7723	3720.654	7143.218	1689.123047
## 648	3779.993	7522.029	1024.502075
## 4371	3896.590	7564.215	1426.379883
## 8792	3715.985	7222.456	915.745117
## 17482	3333.479	6412.000	1569.848755
## 20295	3913.357	7530.403	1594.413086
## 10604	3623.358	6974.999	2284.061523
## 2325	3757.634	7195.073	1062.462158
## 9828	3684.203	7259.484	1156.494141
## 7415	3863.216	7561.260	803.349915

## 15787	3358.111	6467.999	1515.157349
## 2423	3425.004	6809.168	933.366028
## 905	3949.537	7373.197	1301.018066
## 5222	3730.094	7434.179	312.835022
## 19169	3722.116	7182.327	1311.500854
## 6498	3911.574	7467.836	1145.725464
## 17508	3310.474	6537.000	389.441376
## 7532	3877.044	7563.715	1014.991760
## 19791	3580.842	6932.239	1060.923950
## 1911	3515.219	6925.735	1079.305176
## 14364	3770.926	7215.673	481.769867
## 17678	3336.518	6521.000	281.658875
## 6614	3366.666	6631.483	1472.487061
## 21306	3654.247	7034.432	123.721054
## 16033	3771.888	7403.410	1198.471069
## 1451	3889.105	7625.566	1783.304688
## 12406	3362.312	6479.001	886.459778
## 8644	3770.719	7418.302	1373.638428
## 205	3599.629	6874.375	648.173584
## 13396	3784.188	7254.793	1172.414062
## 304	3617.750	6940.854	1382.059082
## 2001	3931.007	7539.903	1252.088013
## 8793	3671.032	7159.000	951.523010
## 4595	3516.481	6981.945	555.759949
## 12425	3539.812	6782.858	1646.175049
## 592	3487.721	6863.281	1034.761597
## 1286	3377.272	7486.585	1570.039429
## 18736	3458.791	6750.001	690.200317
## 4082	3706.939	7162.738	1255.059570
## 18983	3729.038	7250.000	1165.718994
## 916	3755.737	7240.880	1134.396729
## 13214	3847.787	7484.289	1362.129761
## 11094	3968.911	7540.405	1404.606567
## 21006	3581.350	6809.461	1703.921875
## 8833	3297.535	6596.000	167.252167
## 15757	3849.526	7541.937	1013.681213
## 15640	3649.713	7193.750	608.388489
## 20271	3443.885	6645.834	745.806519
## 16106	3513.916	6626.563	1957.145508
## 8109	3413.966	6678.573	524.639343
## 9423	3799.023	7469.292	1735.718872
## 17709	3812.721	7481.815	842.586853
## 7128	3882.676	7439.751	1225.858276
## 528	3640.599	7280.454	744.377075
## 565	3674.895	7258.797	317.639771
## 21007	3685.615	7094.003	1493.587036
## 1077	3864.333	7344.166	1187.652466
## 20853	3783.824	7255.822	1030.860352
## 15554	3738.791	7170.770	1419.676270
## 5722	3689.796	7225.848	894.758789
## 2193	3702.452	7311.151	1505.739624
## 18811	3951.390	7576.077	1397.367065
## 21436	3904.177	7273.241	1343.231201
## 18008	3627.355	7005.814	694.128601

## 18721	3753.108	7152.821	309.909607
## 1650	3931.787	7696.006	1109.419678
## 1630	3846.523	7544.104	1133.864380
## 19947	3364.058	6464.000	674.989014
## 11754	3893.396	7276.493	1526.170410
## 8112	3349.391	6547.001	953.430115
## 5519	3335.362	6710.186	959.912109
## 16003	3764.455	7372.251	2455.193359
## 20636	3717.631	7151.292	570.980896
## 12638	3352.248	6562.500	335.778900
## 5212	3372.319	6531.482	1307.723999
## 9402	3666.209	7059.823	1275.247314
## 4641	3465.075	6803.227	1351.688599
## 12604	3741.361	7288.847	1037.816895
## 11925	3735.943	7593.183	843.137695
## 12016	3616.247	6876.786	1988.573730
## 1449	3577.310	7016.667	1086.852539
## 15676	3819.672	7418.407	1664.024170
## 570	3759.071	7253.206	770.041809
## 2191	3810.520	7539.458	1239.705078
## 5299	3802.052	7444.891	1375.290771
## 19407	3325.766	6544.001	2676.437744
## 3640	3368.075	6432.000	1532.143799
## 9914	3355.108	6506.999	1292.894409
## 2832	3495.876	7103.846	977.944641
## 14886	3687.474	7445.653	1273.621094
## 12651	3465.097	7449.998	708.762207
## 7598	3457.278	6664.843	706.579285
## 6574	3685.808	7223.247	658.625488
## 5731	3602.761	7040.342	1212.817505
## 11409	3675.689	7254.717	1478.899536
## 9491	3363.404	6470.000	1034.474121
## 11067	3922.106	7648.086	1333.896118
## 4912	3579.463	7267.374	1447.744385
## 9132	3729.173	6934.054	1460.912720
## 17539	3656.967	6875.542	2422.837158
## 2861	3517.819	6963.195	771.778625
## 8567	3584.732	7085.464	509.043701
## 17085	3716.159	7364.646	237.705978
## 10006	3960.013	7577.970	1434.063843
## 3695	3931.379	7668.369	1446.638794
## 7122	3829.560	7509.238	1518.041870
## 2879	3350.415	6457.000	1176.431152
## 21947	3673.836	7121.552	1398.179810
## 5482	3723.515	7231.049	650.616638
## 5443	3847.787	7499.801	790.857666
## 11511	3367.613	6296.429	1117.943604
## 1261	3782.470	7507.916	1227.127319
## 8695	3825.380	7526.381	773.492371
## 9644	3474.226	6859.092	2011.330688
## 1375	1727.005	6648.000	0.247825
## 3699	3879.223	7612.995	1635.669067
## 8662	3675.225	7162.965	1050.599365
## 17807	3767.430	7535.500	646.053528

## 11621	3572.551	6998.720	560.926392
## 13875	3762.535	7236.362	1852.443359
## 20571	3775.992	7504.790	1638.485962
## 5193	3431.806	6599.110	1063.563599
## 21700	3749.342	7232.142	1666.650513
## 6648	3923.359	7573.282	1280.527710
## 22534	3369.721	6435.001	3107.607910
## 14178	3302.553	6428.000	2500.479004
## 21906	3808.348	7470.190	1688.179688
## 20502	3915.582	7537.298	1485.861938
## 2800	3730.578	7272.261	1573.391968
## 18082	3544.240	6905.407	260.215790
## 17535	3841.694	7430.416	1063.460205
## 4978	3683.126	7162.274	833.229370
## 8566	3536.175	6998.718	397.625702
## 18486	3627.764	6950.580	2128.017334
## 13280	3909.384	7450.859	1377.956055
## 18927	3453.112	6605.173	751.326233
## 18652	3647.443	7437.499	418.616058
## 6383	3476.967	6813.284	783.543396
## 6040	3906.451	7655.855	1379.335083
## 2053	3319.859	6595.370	1111.578003
## 10921	3586.419	6734.884	320.843414
## 11805	3471.336	6836.364	1019.356934
## 5175	3539.787	6932.433	883.784973
## 19594	3767.945	7274.742	2048.083496
## 1236	3896.604	7641.233	1374.556763
## 20779	3316.027	6433.000	509.037079
## 16795	3394.434	6718.751	570.075745
## 22024	3768.296	7286.920	1511.363281
## 12184	3328.391	6511.001	529.180115
## 6321	3889.526	7363.246	1475.676880
## 15259	3879.435	7390.840	1489.893433
## 10410	3734.811	7294.616	947.445251
## 10791	2997.307	6535.000	233.301697
## 2727	3730.552	7134.320	1861.526245
## 18791	3527.520	6676.516	1332.137695
## 11588	3599.841	7210.834	1531.855347
## 16564	3643.872	7183.793	1032.596436
## 5132	3313.204	6609.002	190.357529
## 10155	3204.133	6667.000	1232.286743
## 18244	3350.520	6521.999	1192.139404
## 2450	3820.664	7483.685	1701.841187
## 11285	3617.720	7081.549	1630.401978
## 1102	3874.741	7650.472	1192.102661
## 20967	3751.881	7178.627	1626.729736
## 5305	3802.394	7403.804	1578.985474
## 4150	3810.041	7589.883	1336.020874
## 17945	3332.203	6322.000	832.966919
## 7365	3348.954	6465.000	1055.245850
## 5154	3352.865	6469.000	1323.932983
## 9161	3751.256	7424.603	7048.585449
## 2278	3493.656	6870.312	1105.791138
## 17332	3526.287	6945.715	1752.917725

## 12730	3317.241	6623.001	702.343323
## 3254	3675.951	7545.458	1376.865356
## 22349	3350.407	6544.000	1430.932373
## 9330	3483.929	6837.879	836.595581
## 5125	3072.317	6954.861	293.842773
## 8648	3863.550	7555.324	1198.057373
## 10169	3361.115	6512.001	2230.587891
## 18800	3756.818	7077.869	1319.895752
## 730	3727.497	7302.825	1062.849976
## 6326	3935.159	7549.051	1290.197266
## 20016	3937.072	7630.604	1621.387817
## 21494	3375.511	6305.000	1496.706665
## 11927	3638.856	7478.345	444.645813
## 5262	3611.688	7052.273	737.658264
## 1518	3863.035	7580.988	1471.147827
## 20356	3914.674	7502.678	1314.981934
## 2150	3454.250	6706.897	1518.906494
## 5858	3862.668	7347.613	1181.402222
## 18434	3323.577	6419.000	763.360046
## 18377	3436.417	6853.678	129.766724
## 7493	3504.406	6907.353	1172.911865
## 8003	3362.706	6551.852	784.502014
## 10832	3661.523	7363.160	730.231384
## 19206	3470.387	6725.807	791.312622
## 3351	3636.511	6995.348	1544.972046
## 21239	3338.521	6604.806	1555.749756
## 9031	3676.671	7303.449	1129.643311
## 21704	3827.496	7454.126	760.268494
## 12816	3776.012	7458.496	820.311035
## 21262	3565.561	6875.627	777.275940
## 6140	3936.216	7597.193	1560.029053
## 18728	3598.720	6989.635	1096.855469
## 2117	3547.406	6820.833	1295.274170
## 12296	3772.491	7453.411	405.719177
## 21598	3468.804	6805.645	1034.320068
## 6307	3876.330	7581.542	1894.686768
## 21120	3852.362	7431.576	1337.008911
## 2178	3750.651	7348.288	1204.019775
## 19363	3876.632	7235.473	813.456970
## 16452	3757.439	7633.719	1230.583862
## 20240	3775.216	7618.580	130.593353
## 15526	3807.567	7501.750	1596.716187
## 19182	3510.109	6825.000	931.609619
## 10139	3931.453	7652.288	1456.763550
## 10606	3362.591	6469.999	1453.198608
## 3390	3729.351	7395.240	1459.736450
## 5906	3851.566	7510.087	1319.728027
## 16615	3747.502	7448.652	1064.914062
## 475	3572.208	7029.879	1162.791138
## 4944	3867.488	7634.840	1632.758911
## 2980	3773.139	7365.254	845.418518
## 3981	3709.485	7233.195	1439.280396
## 11817	3629.643	7110.795	1187.506958
## 21822	3670.400	7191.507	1733.750732

## 18775	3358.636	6448.001	2016.687012
## 6254	3594.979	7234.001	858.326172
## 5598	3913.007	7654.486	1922.398926
## 8645	3853.708	7598.022	1380.167847
## 11106	3865.037	7450.544	1220.865479
## 22186	3485.408	6831.253	1257.184204
## 15888	3882.023	7669.807	1069.064331
## 2772	3820.701	7489.684	1566.009644
## 5929	3606.464	7020.454	1514.242188
## 3200	3622.224	7371.298	577.730530
## 20888	3351.621	6563.001	1989.893799
## 21703	3894.879	7587.079	1304.972900
## 438	3645.977	7284.765	330.552948
## 6910	3708.858	7200.895	844.455994
## 13215	3765.917	7020.160	2018.656982
## 15001	3914.986	7687.771	1534.866943
## 7625	3720.151	7262.099	310.768036
## 11722	3970.621	7407.791	1175.631104
## 15654	3430.093	6800.001	781.027039
## 10188	3320.416	6559.000	873.737793
## 10108	3561.947	7056.252	548.122498
## 14041	3842.086	7456.693	2083.969238
## 9883	3510.754	6746.095	464.471222
## 2538	3546.368	7070.731	1177.727417
## 11942	3480.913	6814.064	952.099365
## 21339	3415.427	6707.502	273.104218
## 7182	3630.994	7161.701	1052.103149
## 13687	3851.327	7418.751	1418.760132
## 6292	3807.442	7464.657	1541.380371
## 22104	3819.741	7379.396	934.890503
## 14936	3764.147	7222.264	1370.439453
## 3824	3822.663	7487.663	904.132751
## 4846	3345.205	6537.001	415.112793
## 6509	3350.459	6352.999	1507.984375
## 4571	3346.074	6448.001	886.466675
## 18910	3730.841	7249.584	744.923767
## 11091	3939.959	7532.614	1244.683838
## 7357	3617.328	7126.086	1546.173462
## 21307	3672.641	7396.606	128.488373
## 7720	3817.751	7285.794	1733.806152
## 3491	3362.985	6395.000	918.136597
## 19406	3376.087	6629.632	2130.107666
## 21506	3365.251	6471.000	2331.845215
## 8679	3358.570	6456.999	999.978638
## 13859	3348.848	6562.999	1149.753052
## 18678	3704.666	7300.411	900.384094
## 21199	3739.151	7326.000	707.980591
## 19644	3371.904	6317.001	1849.594238
## 17608	3692.465	7517.091	48.979389
## 3803	3263.586	6498.000	981.401489
## 10814	3357.714	6485.001	499.977203
## 16629	3597.261	7151.668	1371.069336
## 18018	2337.559	6449.000	124.026711
## 184	3503.023	6955.406	505.219604

## 6743	3574.501	6806.875	436.582886
## 9523	3727.596	7229.167	1315.850098
## 15722	3759.136	7323.334	996.581665
## 9315	3562.777	6811.112	617.546265
## 1265	3772.238	7521.726	1219.362671
## 18590	3891.828	7495.030	1739.500000
## 18672	3452.809	6859.849	595.454590
## 7289	3546.282	6771.530	836.967041
## 19136	3462.700	6726.616	736.871704
## 13062	3955.708	7583.681	1338.986084
## 21878	3893.395	7618.198	1918.085083
## 10784	3709.961	7177.276	816.717041
## 17786	3432.186	6970.589	743.936462
## 8596	3318.629	6488.001	328.358368
## 7492	3601.159	7057.221	346.705505
## 11159	3953.783	7579.249	1387.052490
## 1242	3847.250	7607.411	1218.059082
## 12351	3914.214	7606.083	1442.126709
## 13743	3403.871	6604.465	1003.077881
## 13551	3571.800	6935.258	1115.530029
## 1398	3954.446	7655.946	1497.232178
## 22461	3927.852	7623.538	1370.498779
## 19387	3602.036	7186.537	124.401802
## 11331	3320.922	6582.999	190.883179
## 15808	3715.170	7180.510	640.168152
## 12713	3542.786	6872.224	1270.151489
## 9493	3466.382	6439.657	1754.174805
## 15844	3631.832	7150.482	389.801086
## 10411	3747.470	7158.333	842.388733
## 12408	3710.299	7321.591	1096.513916
## 21612	3434.301	6807.259	940.206421
## 7593	3828.453	7639.209	957.289795
## 8307	3369.190	6572.116	738.662292
## 8493	3855.219	7312.386	829.734924
## 12212	3441.233	7080.953	257.151764
## 8753	3707.692	7221.875	531.661621
## 21681	3836.455	7459.091	1234.063232
## 2210	3504.589	6870.270	1571.118286
## 13550	3759.668	7363.015	2245.317139
## 11559	3389.444	6454.810	559.177795
## 22362	3881.719	7330.262	1664.261108
## 9150	3887.798	7528.775	1636.161865
## 7402	3323.309	6640.000	2581.131592
## 925	3800.722	7552.941	790.001404
## 7016	3764.137	7369.999	1028.980713
## 16985	3706.745	7267.499	1320.930664
## 18715	3429.895	6617.859	899.717285
## 5364	3738.588	7347.699	1365.179932
## 20180	3905.109	7413.278	1684.795654
## 1844	3523.985	7040.384	1282.608398
## 3943	3780.935	7355.556	958.631226
## 9781	3937.981	7656.255	1188.947510
## 2057	3781.091	7411.563	1098.943604
## 7397	3762.427	7271.072	216.473007

## 18147	3328.430	6591.000	745.889343
## 1470	3412.829	6705.357	1489.333130
## 15029	3569.841	6963.463	1049.195068
## 5419	3782.232	7511.649	1862.868774
## 19013	3477.625	6853.906	1308.860596
## 13311	3906.864	7547.919	1104.942749
## 14958	3339.314	6658.823	530.190979
## 15146	3722.905	7427.130	374.449829
## 21795	3782.921	7461.204	854.582703
## 2367	3933.202	7609.520	1175.730103
## 1397	3886.976	7673.804	1132.753662
## 10172	3109.176	6988.954	1132.610962
## 22270	3501.896	6982.145	556.246033
## 19329	3341.475	6581.000	2173.440674
## 15106	3648.308	6931.110	1075.314941
## 10808	3090.911	6660.001	5.830460
## 17182	3615.754	6946.341	1550.743530
## 14646	3245.001	6571.000	882.884399
## 3881	3695.090	7221.876	1226.008057
## 9812	3836.435	7591.260	923.130371
## 14905	3410.189	6485.187	981.802368
## 16489	3698.175	7201.271	1399.377319
## 5862	3927.977	7549.422	1657.436401
## 2087	3813.640	7535.001	1296.129028
## 9933	3806.292	7574.939	1371.650391
## 8019	3175.419	6592.502	364.097931
## 9000	3783.288	7447.057	1836.434448
## 20156	3804.112	7405.337	1254.333862
## 3031	3623.110	7155.557	1277.197876
## 586	3627.408	7156.521	950.614990
## 4971	3428.611	6782.577	187.320465
## 738	3570.726	7091.025	2325.071045
## 11441	3282.398	6682.000	2892.901123
## 370	3650.736	7461.559	492.987030
## 21898	3693.492	7191.543	889.650330
## 3921	3608.352	7159.657	918.848206
## 245	3676.497	7126.922	1393.144531
## 7395	2827.463	7422.136	106.161629
## 17150	3778.738	7511.959	1000.967896
## 17584	3810.974	7531.202	774.921021
## 162	3898.815	7378.187	959.403076
## 8742	3337.045	6500.000	574.331848
## 18645	3788.690	7361.473	1899.676392
## 21342	3311.495	6584.001	898.713196
## 17148	3746.917	7327.575	2327.039551
## 9098	3380.451	6179.808	723.612671
## 930	3892.081	7678.946	711.555115
## 21161	3696.437	7218.859	983.227600
## 14647	3834.354	7615.191	995.941772
## 8630	3801.672	7362.097	1709.404053
## 2204	3803.225	7423.347	1251.688965
## 5655	3890.981	7656.107	697.756165
## 15490	3263.927	6532.001	1436.443970
## 12790	3854.998	7354.755	726.592957

## 12394	3264.728	6919.355	337.641205
## 614	3364.653	6368.001	2217.166260
## 2533	3341.750	6581.000	1253.004395
## 22145	3408.319	6478.704	1771.526001
## 11352	3649.727	7128.500	981.346008
## 18550	3829.987	7530.779	1198.210083
## 6301	3337.041	6505.000	2577.541504
## 7489	3633.804	7227.234	255.301697
## 15118	3632.266	7029.789	1490.828857
## 814	3945.676	7656.938	1007.507568
## 10841	3687.331	7405.077	1117.106567
## 177	3313.368	6668.270	277.631531
## 11194	3313.096	6900.001	198.749069
## 18767	3372.458	6324.001	1164.379517
## 335	3517.524	6778.030	1265.319336
## 4882	3753.376	7275.770	1057.020020
## 16159	3308.715	6513.998	268.689819
## 14087	3735.873	7523.121	798.241821
## 5903	3934.881	7564.315	1715.082886
## 13303	3938.233	7529.884	1766.716187
## 15751	2992.793	6561.000	106.922836
## 8361	3280.850	6558.000	645.137268
## 4454	3600.361	7063.069	909.457214
## 13433	3320.817	6549.000	1763.392700
## 8824	3438.127	6625.002	1386.359985
## 16559	3362.801	6515.000	1921.836060
## 22143	3758.563	7075.735	1466.990601
## 173	3724.979	7522.134	373.236938
## 18687	3355.762	6426.000	1013.663574
## 4976	3850.874	7468.895	643.471436
## 13145	3563.520	7166.177	1494.975098
## 20914	3580.765	7026.744	1011.226013
## 12279	2149.033	6918.243	21.138273
## 6633	3770.081	7232.998	902.274048
## 20777	3841.228	7574.590	953.402527
## 22375	3845.945	7403.551	1030.154663
## 13178	3350.945	6457.000	929.411560
## 19617	3424.565	6578.571	2108.272949
## 4590	3505.287	6995.273	1059.583130
## 20715	3604.235	6969.047	1624.158325
## 10927	3730.472	7304.779	1236.744263
## 11851	3353.098	6488.001	700.446106
## 18871	3641.347	7054.255	1031.829346
## 7990	3604.936	6958.750	1470.590698
## 18586	3902.403	7443.106	1363.830933
## 2209	3884.611	7499.356	1347.888794
## 2963	3539.445	6842.309	703.079041
## 2776	3811.646	7688.947	1253.578491
## 21647	3614.083	6962.196	959.683167
## 8375	3858.197	7592.826	758.621582
## 4125	3794.262	7385.512	831.530945
## 1401	3911.860	7474.135	1253.704468
## 8636	3839.162	7463.594	1726.905640
## 12054	3685.195	7276.209	926.310974

## 16643	3410.057	6638.794	383.763153
## 19455	3844.168	7277.131	1777.662720
## 17793	3160.967	6190.517	1.070334
## 5504	3599.887	7035.464	1423.347534
## 13250	3966.972	7596.154	1440.782593
## 15505	3352.704	6428.002	1045.330566
## 20782	3955.929	7593.099	1485.769897
## 18264	3771.547	7302.245	2264.218262
## 1072	3470.169	7086.170	1247.009521
## 14904	3367.241	6472.000	816.373901
## 13604	3746.716	7208.065	912.042236
## 7619	1662.196	7113.540	0.286744
## 9958	3647.558	6977.128	1580.261230
## 14688	3603.750	7189.360	644.400574
## 17392	3699.980	7087.500	571.517517
## 2148	3398.138	6604.629	966.413940
## 239	3456.115	6843.549	1869.882568
## 20082	3797.879	7407.059	1014.626953
## 20449	3976.037	7466.784	1051.113159
## 21771	3539.552	7225.862	4.365817
## 4577	3334.107	6614.000	1770.583984
## 12204	3427.579	6995.834	795.210815
## 12718	3524.548	6949.306	564.748291
## 21527	3649.402	7162.756	1547.957153
## 4585	3325.011	6572.000	625.710693
## 1509	3909.273	7651.287	1593.310547
## 21996	3402.446	6670.371	1631.291016
## 7383	3948.204	7418.357	1384.336548
## 9921	3847.759	7441.905	1518.335083
## 1770	3367.341	6604.807	669.502197
## 12320	3616.527	7471.431	405.964233
## 16686	3443.050	6680.172	814.720093
## 14261	3543.129	6983.334	720.854797
## 5790	3369.566	6415.000	1472.073608
## 12717	3523.105	6915.716	835.696289
## 8331	3419.523	6755.357	296.454529
## 2926	3786.493	7374.996	1101.233887
## 3155	3828.191	7481.309	1085.424438
## 11080	3955.235	7577.954	1763.189331
## 17231	3840.680	7520.438	1948.588013
## 1516	3839.873	7615.756	1235.268066
## 1299	3657.461	7097.686	1152.375244
## 11570	3345.434	6463.000	595.028320
## 14043	3316.052	6497.000	2185.717285
## 20900	3344.842	6506.001	1105.476929
## 14303	3719.620	7378.077	1767.649536
## 20053	3733.715	7371.212	2624.351562
## 18347	3271.763	6473.000	1546.821777
## 10962	3913.515	7414.334	1671.269653
## 447	3468.251	6874.267	740.884644
## 19201	3836.038	7419.904	1360.430054
## 9968	3889.723	7452.792	1744.551514
## 4494	3712.460	7345.312	1271.719727
## 8311	3777.829	7381.629	949.133972

## 6903	3525.783	6836.765	914.510864
## 17957	3794.326	7202.111	1252.705688
## 511	3927.732	7507.021	941.481445
## 1999	3340.637	6387.999	1457.074341
## 3738	3292.393	6532.002	709.088867
## 9680	3615.060	6973.170	1764.055664
## 6670	3354.583	6507.000	1238.339722
## 19511	3765.005	7185.212	971.883118
## 549	3119.189	6568.269	809.918335
## 2975	3788.452	7338.034	689.364441
## 7764	3823.383	7515.218	818.158813
## 16343	3611.559	7187.000	778.584106
## 2767	3726.965	7302.303	980.319824
## 21912	3955.024	7632.320	1327.242310
## 9925	3359.603	6438.000	1342.692505
## 21821	3653.165	7411.959	266.822784
## 12482	3528.970	6996.621	1394.178101
## 17320	3336.300	6548.000	680.843384
## 5100	3560.126	7125.000	2823.010010
## 8525	3606.054	6825.626	1097.439697
## 13247	3778.840	7503.046	1522.359253
## 11488	3560.281	7182.076	995.037170
## 13904	3766.571	7451.764	1189.165771
## 4413	3589.097	7038.125	650.495361
## 14668	3308.685	6486.001	522.978760
## 5649	3794.835	7426.789	1898.461182
## 10849	3650.815	7310.271	533.925659
## 13403	3841.549	7346.807	426.229767
## 19976	3625.293	7032.559	1085.036011
## 17346	3296.175	6641.000	489.309814
## 15107	3655.390	6982.810	1117.403198
## 21853	3495.243	6757.812	1263.750732
## 9540	3656.492	7059.576	1020.447998
## 8052	3371.344	6336.000	1384.363647
## 3123	3720.535	7180.173	1039.581299
## 8623	3929.777	7293.006	1428.372803
## 2463	3915.842	7563.612	946.261597
## 15694	3738.655	7261.954	1292.700806
## 5464	3529.564	6908.107	938.843262
## 19839	3389.281	6509.615	784.180054
## 18321	3113.119	6578.001	668.040039
## 2488	3462.755	6973.612	1058.675781
## 3610	3561.940	7125.002	368.528687
## 19280	3683.749	7162.273	1080.385132
## 15894	3258.562	6526.000	1018.596375
## 16212	3917.012	7670.213	1395.071777
## 4110	3445.213	6812.099	882.855286
## 82	3470.333	6750.000	1641.195068
## 15153	3729.051	7469.279	877.743958
## 18348	3423.967	6587.501	1116.558228
## 7495	3751.016	7405.250	436.754791
## 2479	3471.652	6774.266	1253.119995
## 14188	3603.343	7237.712	1364.460938
## 1777	3550.636	6972.298	713.612793

## 8305	2230.525	6836.720	333.229187
## 13703	3771.857	7182.460	1313.718628
## 20864	3352.018	6547.001	1742.234619
## 15030	3706.562	7217.982	1192.240601
## 1889	3753.041	7494.167	1353.615479
## 7817	3526.090	6916.667	342.740997
## 14218	3329.773	6716.668	203.833481
## 8513	3466.774	6758.872	822.572754
## 7401	3234.159	6504.002	53.564350
## 13646	3715.732	7400.348	1620.042847
## 8997	3870.294	7447.397	983.020264
## 12645	3357.744	6386.000	464.233856
## 11705	3780.202	7512.009	1617.418701
## 22450	3739.501	7285.259	735.648621
## 21846	3354.935	6512.999	1666.769165
## 7978	3937.107	7631.589	2003.290405
## 4857	3425.181	6625.895	929.419983
## 15880	3697.333	7192.671	1471.727173
## 13611	3593.289	7012.196	1497.872314
## 571	3573.381	6906.876	754.367859
## 20751	3218.538	6515.000	10.872011
## 18549	3913.607	7559.864	1501.417847
## 7205	3555.201	6756.082	558.070862
## 19885	3791.642	7505.852	1033.783691
## 18954	3484.962	6689.518	1181.134033
## 10937	3424.186	6747.501	230.874634
## 11278	3306.352	6497.999	598.098389
## 10657	3724.885	7413.259	1975.848511
## 22174	3368.334	6448.001	1873.394653
## 1582	3346.570	6488.000	1488.899048
## 21338	3427.851	6804.032	305.113007
## 8900	3811.572	7368.207	849.343628
## 4465	3343.892	6650.894	998.524109
## 22404	3666.773	7062.288	762.857178
## 2539	3320.279	6624.000	1552.954102
## 6537	3213.426	7052.439	125.654755
## 8489	3987.221	7416.146	1035.322876
## 6281	3701.863	7226.293	2126.046143
## 15329	3766.914	7130.385	1042.937622
## 20892	3676.508	7202.778	1818.333374
## 11736	3734.873	7585.773	839.006714
## 8898	3465.996	6580.834	2051.985840
## 4179	3684.849	7328.276	1012.748840
## 3633	3624.657	7258.655	1629.575806
## 12872	3800.953	7290.774	956.333923
## 16915	3348.343	6527.001	2065.180908
## 2164	3549.271	7289.408	1785.180664
## 21970	3446.146	6699.140	2053.608398
## 6899	3707.102	7254.815	372.394073
## 22235	3686.428	7140.771	838.386841
## 19057	3840.533	7327.926	1066.691162
## 375	3787.981	7387.154	672.287598
## 15303	3436.579	6657.760	2323.908936
## 10072	3910.559	7589.744	1030.652832

## 3305	3731.150	7315.659	1431.692749
## 20662	3914.901	7617.021	1367.675659
## 6579	3483.544	6929.731	547.132080
## 3287	3801.021	7579.399	1609.920044
## 957	3549.042	7024.342	596.207886
## 998	3828.925	7524.854	1241.084961
## 10561	3329.461	6616.348	38.221889
## 1194	3349.570	6555.000	1122.091431
## 18201	3626.871	7168.501	138.830368
## 5153	3275.492	6530.000	420.784302
## 7672	3387.874	6491.345	2060.706299
## 20311	3948.327	7506.498	1598.151001
## 1956	3328.884	6527.000	510.946838
## 20294	3887.288	7470.522	1423.927979
## 20610	3735.345	7200.424	1683.691040
## 11079	3870.954	7397.009	1986.090698
## 2716	3931.697	7451.366	1300.939209
## 13843	3667.314	7112.246	1476.419556
## 2962	3607.986	7153.448	755.720276
## 11569	3751.646	7285.959	660.826172
## 11030	3311.899	6480.000	821.967407
## 13345	3804.453	7491.489	1502.719238
## 2997	3355.745	6439.001	238.179794
## 484	3389.033	6679.630	1031.237427
## 10312	3331.158	6610.000	1517.094116
## 644	3322.759	6571.000	685.804565
## 5543	3894.863	7613.088	1360.360840
## 16050	3808.914	7719.467	896.913269
## 5337	3909.449	7734.466	862.640869
## 12575	3773.246	7538.298	1371.327759
## 407	3337.657	6473.000	216.055511
## 12762	3743.531	7449.352	1125.955688
## 569	3754.069	7270.667	971.369507
## 13031	3353.448	6533.000	290.946289
## 14352	3615.326	6931.101	1257.047607
## 11651	3384.523	6717.857	543.175232
## 3146	3875.761	7490.980	1362.122925
## 2842	3309.612	7132.076	1274.139771
## 15878	3882.471	7655.498	1136.637451
## 20239	3542.871	7434.547	51.371464
## 12805	3334.463	6572.000	884.580933
## 17980	3701.188	7437.502	716.917664
## 7150	3374.136	6810.136	848.475708
## 7110	3533.719	6954.054	1324.062134
## 8514	3757.050	7359.932	1019.800781
## 13150	3582.134	6936.187	1611.563110
## 11781	3397.434	6708.036	1182.583740
## 16233	3492.379	6818.939	1278.134888
## 13776	3362.038	6507.000	2637.340576
## 14508	3861.688	7550.490	1608.407471
## 6905	3358.492	6416.001	1009.346863
## 11753	3958.280	7492.670	1214.980957
## 12227	3680.416	7082.627	1385.866333
## 17586	3838.877	7558.487	630.737915

## 9428	3910.569	7680.573	1602.097900
## 11801	3351.604	6526.001	530.045715
## 3333	3561.504	6946.343	815.295898
## 17623	3945.197	7534.894	1485.803955
## 19380	3315.773	6422.000	141.830841
## 20281	3947.910	7591.018	1746.095581
## 10208	3491.794	6759.378	1248.973633
## 1475	3614.371	7298.074	1147.066406
## 17883	3801.098	7469.945	2005.070312
## 14598	3728.229	7531.968	392.773529
## 14609	3392.888	6567.592	2088.114746
## 22424	3344.504	6568.000	1846.921631
## 198	3239.481	6522.001	1041.498291
## 21496	3361.107	6318.001	729.682495
## 3530	3663.750	7233.173	976.785583
## 2828	3891.706	7759.860	889.029724
## 15629	3455.325	6845.312	1058.246094
## 2733	3393.478	6670.002	1238.420166
## 8024	3180.727	6441.000	901.648010
## 6149	3927.732	7507.021	941.481445
## 9505	3618.010	6950.611	423.918457
## 16654	3458.854	6975.000	2524.980469
## 8153	3303.340	6457.000	619.008850
## 10728	3739.777	7177.651	1057.680664
## 12589	3758.690	7560.308	1179.105469
## 6208	3360.495	6507.000	1007.005066
## 16787	3338.612	6619.000	1597.332275
## 11450	3391.612	6480.770	2282.720947
## 2796	3634.316	7174.576	1528.459351
## 3064	3342.553	6550.963	1041.626709
## 9309	3419.644	6517.593	925.883057
## 14912	3365.052	6332.000	1393.973755
## 14051	3724.137	7391.473	863.639465
## 2874	3803.820	7388.170	1450.095825
## 12033	3773.849	7495.239	1974.975952
## 16563	3377.607	6674.107	1056.964722
## 20748	3891.864	7646.701	785.542664
## 3904	3799.873	7378.573	1008.618164
## 22504	3482.410	6976.389	1048.562500
## 8139	3456.072	6852.345	573.349792
## 9032	3744.619	7191.923	1483.530762
## 2199	3696.784	7426.415	1149.775757
## 4440	3880.941	7554.940	1426.146240
## 13333	3837.339	7342.858	1442.131714
## 18863	3951.383	7561.663	1635.325684
## 8960	3935.766	7540.715	1490.717285
## 16539	3265.667	6503.000	1140.466309
## 5056	3298.294	6608.000	891.051514
## 6065	3975.752	7544.266	1592.350464
## 686	3737.391	7338.029	1287.237427
## 17227	3447.395	6956.081	47.582211
## 2758	3771.000	7345.938	1192.874878
## 18976	3368.330	6437.501	768.778931
## 8181	3380.290	6485.578	1329.521606

## 18703	3715.932	7183.336	794.620911
## 9520	3673.167	7138.238	1187.165649
## 17613	3307.819	6501.000	990.230957
## 12313	3308.809	6654.000	941.172119
## 4067	3395.237	6642.593	755.877686
## 21744	3873.906	7520.292	1320.226196
## 22479	3390.284	6650.001	1583.859009
## 20822	3703.346	7235.776	1263.774292
## 20489	3321.067	6491.999	363.138794
## 15763	3722.604	7320.207	653.144958
## 7852	3253.244	6566.000	646.033020
## 21255	3617.476	6907.223	1408.267090
## 17258	3733.648	7375.326	815.656189
## 3713	3905.947	7706.682	1478.409912
## 19379	3484.538	6768.919	118.065323
## 8698	3494.715	6715.152	857.021606
## 3163	3569.876	7070.625	660.914307
## 8855	3568.340	6918.422	850.757690
## 20731	3321.279	6491.000	422.363922
## 17198	3697.283	7236.594	776.493896
## 9496	3834.078	7377.130	1222.597778
## 13912	3700.187	7147.273	1522.520508
## 21156	3883.351	7452.931	761.410339
## 9705	3671.185	7043.617	405.477142
## 4414	3663.646	6994.148	463.484161
## 2635	3807.315	7371.607	1376.271606
## 8166	3719.436	7364.706	1304.334839
## 11251	3847.333	7541.524	979.532410
## 11862	3343.676	6461.000	279.599060
## 7575	3908.166	7534.474	1759.681152
## 14713	3327.136	6577.000	1575.741699
## 128	3802.394	7403.804	1578.985474
## 21353	3733.110	7119.166	1407.798218
## 14638	3888.234	7601.104	842.838501
## 14315	3305.789	6606.000	994.977417
## 1338	3885.817	7471.252	1236.793823
## 5498	3771.601	7362.767	800.041931
## 9178	3723.685	7207.691	794.197205
## 20584	3533.544	6983.783	1213.418335
## 8724	3523.236	6917.859	979.956543
## 6721	3712.729	7319.668	1437.182007
## 19020	3748.960	7273.846	1067.986084
## 8314	3467.026	6949.375	366.122375
## 20377	3583.963	6972.340	521.406921
## 6126	3884.277	7470.229	910.502258
## 6849	3791.527	7388.663	1134.047119
## 18801	3657.555	7068.034	899.682556
## 5371	3662.826	7001.471	1629.593750
## 21669	3351.781	6481.000	980.763611
## 14040	3348.875	6478.000	1837.453735
## 16569	3236.075	6624.000	270.385834
## 7612	3835.275	7573.778	2166.219238
## 7174	3918.533	7782.368	1403.554321
## 11148	3934.399	7531.007	1186.601440

## 18215	3622.329	7103.260	979.883606
## 4691	3886.358	7663.172	1773.408447
## 4876	3718.680	7629.647	571.832336
## 16326	3865.046	7567.557	915.108643
## 2969	3845.807	7405.681	870.418274
## 14156	3306.848	6605.001	419.965302
## 2435	3734.906	7296.825	559.352295
## 7878	3449.201	7027.083	182.637772
## 2267	3764.835	7526.114	940.011902
## 17189	3756.444	7266.176	915.881409
## 5034	3348.334	6528.001	1335.885864
## 17357	3343.771	6575.000	823.525146
## 10540	3715.511	7288.708	1234.900391
## 9063	3775.002	7140.673	1012.170532
## 9751	3867.716	7496.058	596.770020
## 3851	3897.649	7746.070	1662.983398
## 9016	3569.248	7125.001	359.580780
## 7991	3893.104	7475.321	1718.794678
## 12574	3564.826	7190.000	1309.641968
## 11513	3448.098	6765.000	1752.345337
## 16168	3757.844	7461.170	1332.246582
## 18105	3908.052	7419.139	1306.575073
## 12913	3440.195	6449.107	1702.697754
## 5135	3893.813	7579.533	1243.366089
## 14035	3078.035	6623.002	13.376123
## 9831	3243.699	6511.003	63.255772
## 13028	3353.433	6529.000	468.169098
## 21463	3597.960	7095.834	1778.551636
## 20797	3631.541	7053.191	1473.664917
## 22242	3679.498	7251.726	1439.759277
## 11911	3565.088	7250.505	200.824646
## 22090	3920.017	7540.968	1207.228394
## 7555	3844.053	7642.953	1661.919434
## 1302	3320.402	6527.000	1361.589966
## 13543	3796.380	7401.328	1265.834717
## 3569	3775.352	7567.749	1098.339478
## 14242	3324.156	6553.000	1202.907959
## 18510	3825.742	7131.178	1306.508301
## 10287	3308.795	6529.000	181.510544
## 6719	3898.405	7610.217	1352.406006
## 15471	3449.933	7365.943	373.963745
## 19710	3667.619	7239.547	2139.084229
## 1831	3421.837	7221.022	342.146973
## 1341	3909.885	7513.860	1294.786987
## 11393	3361.493	6528.000	908.836304
## 17006	3791.833	7287.332	1323.265991
## 3957	3496.081	6616.937	2495.356201
## 20197	3899.821	7450.634	1305.954224
## 14235	3305.583	6491.001	145.396606
## 10696	3801.701	7170.988	363.233429
## 13191	3488.206	6699.194	1471.688965
## 9634	3344.476	6424.000	1240.133423
## 1775	3418.986	6779.311	755.990967
## 9535	3591.543	6997.562	1332.072144

## 16158	3310.776	6551.999	447.168488
## 5036	3202.832	6512.001	1973.169922
## 14208	3852.703	7707.725	744.160522
## 13599	3450.762	6639.656	1156.152100
## 8116	3326.636	6546.001	749.513916
## 9710	3485.074	6674.194	1389.496948
## 15357	3330.052	6443.000	1010.805847
## 5774	3684.131	7098.501	1946.580688
## 5956	3307.287	6610.715	904.216492
## 12781	3334.952	6606.000	1391.454346
## 6663	3828.404	7431.645	1451.448120
## 8309	3729.713	7222.581	568.465393
## 1325	3539.799	7085.000	1810.057495
## 16374	3457.695	6788.333	1349.097534
## 7305	3822.549	7378.704	1092.555176
## 6657	3297.262	6610.000	1033.098877
## 4926	3674.352	7071.500	1340.795776
## 4029	3790.642	7625.403	1446.777100
## 15946	3527.964	6997.297	684.388367
## 15737	3779.142	7507.045	835.835449
## 2662	3483.279	6965.281	870.547913
## 3602	3809.009	7461.169	962.229614
## 2717	3915.710	7447.037	1321.443726
## 10180	3478.888	7023.649	579.878479
## 19366	3840.454	7636.708	328.909698
## 2621	3321.037	6594.001	1058.050049
## 9601	3301.218	6487.001	1076.121582
## 19296	3483.333	6914.376	263.053162
## 13965	3592.308	6996.956	1002.664062
## 20699	3365.083	6473.001	1861.193848
## 22171	3426.617	6675.000	452.845612
## 2385	3898.732	7635.707	1392.517822
## 6640	3712.041	7475.951	157.703323
## 22205	3909.219	7493.521	1760.787964
## 18751	3747.863	6825.783	879.624390
## 10076	3919.954	7344.802	1733.593994
## 14107	3840.466	7594.074	1253.953857
## 7708	3631.585	6748.047	457.066010
## 13663	3433.809	6777.500	1598.188232
## 4738	3519.750	7036.486	1100.762817
## 5112	3929.006	7590.339	1008.331665
## 13664	3707.731	7250.002	1591.124756
## 13012	3581.638	6913.753	861.256042
## 5399	3653.978	7251.867	706.912720
## 15229	3456.670	6845.714	801.183105
## 15740	3822.300	7499.059	1492.549072
## 11249	3910.440	7545.054	1133.875000
## 15651	3694.875	7099.020	1611.764404
## 8292	3650.226	7224.528	333.356995
## 20287	3938.132	7614.537	1611.127075
## 11605	3006.834	6479.999	2249.606689
## 11487	3561.688	7083.152	1263.819946
## 11837	3667.529	7351.516	261.777405
## 19719	3556.756	6934.723	1421.867310

## 7816	3495.962	6832.236	337.601379
## 21471	3647.378	7187.119	1144.806152
## 9730	3573.476	6951.317	951.382996
## 20366	3725.862	7098.361	1371.670654
## 17821	3397.666	6412.965	225.761154
## 1056	3887.755	7500.298	1203.593994
## 21686	3361.716	6549.000	1495.137695
## 14731	3791.374	7239.370	313.432709
## 1664	3684.229	7266.176	977.719482
## 2259	3682.922	7255.174	1049.160522
## 22008	3695.502	7325.396	1363.714966
## 15433	3484.857	6854.033	795.176758
## 21751	3659.810	7294.916	415.893280
## 14517	3892.912	7676.638	1235.935913
## 12199	3492.273	6986.489	1809.970337
## 16587	3731.872	7094.299	1051.183350
## 21237	3893.609	7599.141	1035.368652
## 22114	3706.624	7651.850	1349.866211
## 14180	3930.103	7415.091	1928.100708
## 4931	3878.198	7670.457	895.403137
## 11101	3917.853	7540.369	1330.648315
## 3435	3599.680	7484.523	1082.085571
## 3195	3652.716	7229.328	1227.969604
## 17041	3831.513	7620.230	692.476562
## 8936	3610.442	7468.571	963.664429
## 13340	3723.028	7230.083	2016.522095
## 9389	3736.463	7367.278	1079.794434
## 9057	3686.435	6993.878	1391.322632
## 20450	3641.718	6683.929	1190.145752
## 12444	3911.521	7622.823	1542.214600
## 6712	3687.200	7211.321	623.183899
## 4961	3758.011	7395.891	1864.215698
## 759	3795.467	7364.938	1404.090820
## 9022	3473.613	6890.152	1046.475098
## 10092	3834.378	7518.262	1272.257202
## 2876	3578.797	6893.591	1567.652466
## 19814	3762.919	7242.537	652.216187
## 1431	3782.679	7523.947	1529.407837
## 13817	3363.413	6446.001	1321.195312
## 16494	3325.057	6517.000	976.229797
## 13112	3703.685	7318.845	685.889099
## 17171	3738.661	7207.423	1880.530396
## 20577	3742.807	7332.769	1766.055054
## 16196	3379.564	6732.143	344.444519
## 11922	3805.337	7481.083	1854.399902
## 4227	3802.471	7675.201	1170.360596
## 15144	3356.474	6503.001	1028.885498
## 16201	3762.511	7406.013	1043.766602
## 3566	3746.856	7467.172	1648.775513
## 13368	3359.454	6409.000	1131.498047
## 14610	3338.996	6495.001	1939.078247
## 8492	3664.031	6952.553	618.790771
## 17122	3884.175	7584.709	1708.329468
## 5266	3762.313	7432.102	678.835693

## 19014	3368.069	6593.271	904.114014
## 7986	3360.984	6389.999	1264.328003
## 8977	3705.989	7173.829	1180.456543
## 5240	3742.110	7198.311	1382.040527
## 16896	3817.632	7519.577	1576.269287
## 14511	3831.567	7616.345	1498.461060
## 11027	3821.264	7526.347	762.636414
## 10573	3558.508	6909.460	871.578613
## 15530	3651.379	7198.557	1288.131958
## 15684	3460.821	6675.001	919.577332
## 18658	3760.727	7570.161	169.198639
## 16398	3606.904	7063.372	1890.861328
## 22222	3458.315	6551.613	1689.676270
## 4488	3317.540	6428.000	741.779968
## 1778	3738.917	7311.396	670.666565
## 362	3688.925	7060.785	939.760559
## 21024	3821.260	7393.883	1378.461426
## 16073	3763.538	7346.475	640.628296
## 17726	3768.290	7504.466	1867.899536
## 9922	3865.713	7463.888	1615.814087
## 4209	3848.793	7573.572	1513.770142
## 12105	3697.909	7328.227	1938.930298
## 18094	3748.326	7432.586	107.881126
## 15583	3276.077	6646.001	877.011963
## 22491	3713.264	7228.449	1582.273438
## 5143	3324.525	6565.001	637.621582
## 13814	3444.137	6696.554	1361.890869
## 19760	3618.189	7099.445	1696.239624
## 8168	3807.416	7484.424	1190.172974
## 7604	3929.487	7519.583	1718.388306
## 20455	3563.892	7066.489	478.812073
## 4260	3344.091	6596.001	1134.240112
## 5900	3963.699	7618.884	1575.676025
## 7083	3302.807	6651.000	427.604523
## 641	3466.682	6771.773	670.760193
## 21365	3741.178	7250.002	1294.652954
## 4302	3553.149	6878.473	1778.263428
## 4820	3738.055	7276.134	1486.675903
## 17160	3821.396	7459.523	1271.040283
## 8664	3953.017	7630.356	1282.183105
## 17154	3525.340	7014.191	799.698181
## 1615	3928.413	7625.064	1304.513672
## 16189	3336.574	6573.000	1364.894653
## 17758	3830.725	7403.492	1303.846558
## 22339	3698.179	7181.697	1485.624512
## 11204	3485.410	6516.667	1348.977539
## 4639	3187.640	6645.001	323.239502
## 11933	3817.642	7624.709	735.324707
## 17718	3458.923	6885.156	346.521576
## 13079	3927.608	7573.603	1520.531128
## 2362	3324.178	6605.001	559.502502
## 6016	3685.785	7561.577	985.104248
## 20079	3772.985	7432.930	1152.735352
## 13332	3900.861	7490.180	1504.659668

## 784	3833.697	7416.754	1314.767456
## 711	3882.823	7626.059	1181.719482
## 14082	3869.779	7525.963	1892.094727
## 16824	3866.816	7575.479	655.429810
## 2091	3898.956	7631.977	1389.854370
## 15163	3588.370	7441.450	1510.969238
## 21283	3856.509	7184.820	555.156494
## 3447	3876.261	7634.003	1365.225830
## 21770	3658.474	7122.597	1022.816528
## 3122	3720.918	7232.258	1201.314697
## 5627	3907.046	7656.658	1523.117798
## 8197	3688.189	7186.321	846.290955
## 20743	3887.486	7463.822	1422.795288
## 16830	3428.271	6725.862	1348.299805
## 1767	3388.482	6547.113	615.192688
## 21386	3514.072	6646.876	857.707947
## 20498	3896.008	7492.575	1781.172974
## 19798	3845.072	7409.614	1051.644653
## 15356	3197.996	7081.049	150.496368
## 12129	3510.604	6750.735	703.621094
## 1811	3838.681	7570.718	1487.108032
## 6507	3777.188	7542.601	1450.170654
## 5664	3619.586	6995.930	1249.928833
## 4986	3488.688	6940.443	690.192017
## 18866	3954.317	7597.538	1580.908447
## 8976	3884.666	7461.492	1211.681763
## 8562	3551.018	7013.415	683.419800
## 5998	3378.039	6942.046	58.894283
## 3307	3707.603	7306.948	991.706238
## 7638	3468.844	6794.698	441.482269
## 5560	3997.427	7519.416	1902.678345
## 16464	3630.061	7380.225	1647.245483
## 3928	3668.229	7248.662	1201.979980
## 10716	3510.268	7357.258	525.664673
## 1418	3904.099	7533.783	1262.869019
## 12022	3283.652	7047.224	10.529937
## 21179	3889.666	7515.517	1455.138916
## 6282	3941.238	7605.530	1671.314209
## 19071	3648.005	7102.660	1165.418091
## 19950	3726.428	7162.931	522.310547
## 19332	3649.818	7367.369	952.971924
## 16128	3653.847	7084.500	1261.944092
## 6367	3615.749	7068.025	708.791504
## 3685	3809.866	7455.931	1213.850098
## 533	3545.853	7108.333	579.265625
## 11582	3357.650	6689.815	1004.813416
## 3043	3310.474	6546.157	1520.721680
## 21200	3767.624	7303.125	1048.946411
## 20921	3862.631	7505.894	1001.672913
## 14275	3935.857	7685.060	1819.265625
## 21955	3925.989	7581.541	1174.768921
## 10330	3376.621	6763.394	844.678223
## 2843	3778.514	7384.375	1191.194580
## 1710	3830.421	7568.416	1036.220947

## 19639	3398.426	6547.224	1861.207764
## 12780	3830.763	7626.119	1356.135254
## 10930	3548.937	6986.320	201.385651
## 8712	3716.602	7273.837	771.140930
## 16210	3520.164	6905.127	816.111267
## 2143	3870.297	7563.833	1471.763550
## 11075	3878.307	7395.955	1505.439941
## 3964	3327.703	6492.001	832.388062
## 13800	3554.441	6909.870	796.358643
## 16816	3758.348	7764.277	891.930359
## 10824	3210.691	6369.830	8.066284
## 18421	3859.486	7421.598	1503.548096
## 14603	3812.307	7516.773	651.815430
## 9383	3768.360	7485.344	687.331299
## 12923	3708.315	7420.385	1973.511108
## 14993	3840.106	7494.104	872.796997
## 540	3528.856	7055.264	488.217224
## 18554	3901.087	7544.332	1149.418701
## 20204	3747.787	6963.750	1417.890503
## 19215	3422.432	6649.107	989.596497
## 4457	3463.707	6772.582	853.181396
## 3954	3691.667	7286.637	1345.620605
## 20918	3762.040	7353.667	1904.823853
## 18845	3695.956	7009.133	1041.418335
## 20390	3922.682	7545.756	1114.296875
## 15925	3720.826	7293.154	1509.611694
## 1822	3775.831	7414.192	1282.994507
## 753	3520.168	6863.972	530.298035
## 5761	3795.608	7289.331	1684.251343
## 22309	3684.193	7185.785	1694.606689
## 11964	3445.474	6483.036	747.440613
## 21031	3578.785	6957.693	1716.910034
## 22311	3512.156	6851.516	1436.714844
## 8267	3663.647	7126.533	1369.904297
## 4787	3529.119	7112.500	1729.233398
## 14894	3823.264	7615.652	772.744507
## 19004	3717.955	7361.987	547.416992
## 21409	3799.003	7276.900	1722.096924
## 3935	3301.562	6619.001	1154.534668
## 15822	3328.972	6519.001	437.919830
## 22052	3364.922	6532.000	2498.981689
## 19965	3359.760	6571.152	679.442871
## 403	3612.603	7157.447	1048.996216
## 5102	3830.883	7691.009	1361.283203
## 8119	3484.525	6758.335	492.500641
## 3736	3686.322	7262.918	1335.734863
## 300	3850.573	7433.894	1270.140991
## 11014	3447.954	6831.819	548.141235
## 9399	3844.639	7474.283	592.415161
## 13265	3911.167	7594.278	1164.173218
## 18569	3668.469	6830.850	1635.498657
## 6845	3706.271	7231.780	820.310059
## 1734	3364.890	6595.192	1405.315430
## 22228	3911.425	7532.628	1373.611328

## 14756	3435.091	6661.609	1874.690430
## 3218	3326.617	6501.999	1528.136475
## 7483	3639.506	7372.701	351.256287
## 9181	3202.533	6451.000	90.045425
## 16130	3777.340	7374.722	922.208923
## 8195	3462.125	6698.334	581.184448
## 2875	3824.579	7373.752	1774.929199
## 408	3736.527	7191.178	406.903412
## 5794	3418.907	6458.333	708.722473
## 5366	3739.934	7361.002	1000.886230
## 2689	3858.971	7501.898	1073.050415
## 21584	3820.595	7488.213	770.239746
## 5383	3841.494	7547.489	954.071411
## 8928	3712.708	7528.525	1081.365479
## 17376	3307.517	6483.000	83.516678
## 11383	3805.460	7239.095	358.725159
## 11184	3344.635	7176.047	462.466095
## 17559	3703.032	7306.071	897.521301
## 22492	3617.597	7048.837	1174.058472
## 14832	3538.380	6950.000	623.165771
## 1089	3712.756	7276.537	1471.788452
## 5778	3437.996	6587.501	1638.103882
## 20426	3426.469	6706.451	1232.344238
## 13846	3679.184	7117.157	1314.859131
## 2455	3364.541	6435.001	832.082336
## 11385	3440.696	6731.081	499.012909
## 2775	3808.290	7694.266	1241.654907
## 11152	3961.433	7548.349	1507.499878
## 6437	3690.366	7373.864	762.336670
## 11231	3641.306	6672.024	1298.229004
## 413	3731.699	7095.236	446.842255
## 13801	3665.097	7149.502	1335.925171
## 17380	3349.374	6548.000	535.152832
## 11203	3932.823	7436.185	1152.887207
## 20682	3378.669	6289.000	1381.131226
## 16385	3691.590	7145.001	1271.492554
## 7270	3258.388	6533.001	728.058838
## 15352	3405.312	6627.679	1348.322388
## 2027	3464.695	6882.812	570.903992
## 14452	3867.893	7685.343	1136.040283
## 13974	3413.971	6180.554	878.513733
## 2719	3630.363	6847.059	793.498108
## 10848	3354.765	6646.155	1313.712769
## 14240	3468.877	7120.350	33.707695
## 22029	3828.292	7411.794	1874.878540
## 4113	3358.369	6480.002	636.870667
## 9026	3350.566	6649.038	461.037750
## 12165	3315.111	6412.001	694.761963
## 22476	3340.323	6609.000	1817.503296
## 17260	3408.896	6657.408	1794.567505
## 10391	3377.717	6290.000	2428.705078
## 1120	3696.169	7380.798	1111.106689
## 5126	3881.440	7714.943	945.804138
## 7306	3860.251	7490.438	1533.682861

## 5091	3587.234	6953.749	1767.943604
## 5987	3443.579	6660.834	320.277069
## 13507	3774.450	7391.666	967.185608
## 17684	3481.115	6884.091	1230.214844
## 89	3762.313	7432.102	678.835693
## 2709	3758.524	7171.475	1229.949829
## 13998	3901.097	7635.753	1525.858398
## 9935	3758.255	7549.291	1208.845337
## 21321	3377.052	6266.001	976.488281
## 1545	3329.943	6509.001	1130.394531
## 1727	3155.480	6677.884	1296.776001
## 16921	3376.969	6570.370	602.566650
## 8190	3553.577	6858.126	306.052063
## 3256	3743.149	7631.363	1462.573364
## 5226	3706.595	7150.431	1520.510986
## 8594	3346.619	6545.001	1326.626953
## 19623	3634.821	6824.403	1533.253052
## 19128	3787.089	7375.314	1131.401245
## 10297	3553.944	7007.897	437.283783
## 10870	3394.068	6562.963	197.666733
## 18324	3569.679	7300.474	1044.021973
## 17136	3724.777	7329.791	1293.512451
## 16239	3814.824	7542.408	1197.298340
## 3328	3785.448	7371.806	1431.314209
## 3462	3346.219	6576.000	1337.326538
## 15205	3318.068	6588.000	486.296967
## 13929	3788.122	7274.317	1671.493530
## 15567	3355.694	6662.500	1858.574219
## 19836	3386.307	6472.115	1202.079956
## 4801	3560.167	7104.653	647.912598
## 20437	3734.577	7602.985	807.430542
## 13045	3556.313	7269.368	160.191910
## 16247	3676.702	7234.585	898.341309
## 13296	3962.835	7556.832	1439.710449
## 7923	3345.513	6247.000	1346.136353
## 4099	3705.230	7185.000	1085.362305
## 15710	3916.428	7626.819	2046.673462
## 9376	3794.262	7498.762	963.797241
## 11661	3777.667	7462.089	810.292114
## 4140	3628.754	7108.151	1758.671387
## 2855	3394.322	6637.963	1258.577881
## 19544	3378.962	6557.693	1302.357422
## 16655	3345.208	6680.770	3088.574463
## 13536	3765.025	7309.415	1792.392456
## 14044	3779.470	7410.713	1516.440552
## 10660	3526.301	7016.892	1307.881836
## 13347	3748.894	7379.928	1686.327759
## 19565	3500.744	7194.944	1586.461792
## 11470	3672.861	7265.625	1015.464905
## 13044	3489.750	6640.974	849.084167
## 21627	3615.257	7009.756	1476.158081
## 16319	3675.010	7409.273	680.940125
## 12256	3336.756	6529.000	1611.083740
## 21206	3681.027	7370.790	406.212097

## 5084	3725.159	7292.062	2644.950439
## 8950	3251.815	6636.540	113.050446
## 1317	3533.935	6722.794	1199.057983
## 2046	3362.750	6667.741	675.685608
## 7655	3779.848	7428.496	1006.093811
## 12815	3880.884	7600.984	1222.076294
## 15074	3574.142	6967.105	1288.248413
## 1335	3761.168	7646.183	915.196716
## 9245	3689.607	7215.253	853.882874
## 19466	3582.616	6878.290	646.925354
## 9285	3709.658	7271.669	912.738159
## 3098	3892.069	7614.678	1548.341797
## 15923	3789.237	7311.080	1965.279053
## 18068	3620.887	7013.372	1530.533447
## 2789	3725.484	7522.035	1274.363892
## 9134	3915.018	7604.036	1334.156372
## 7881	3591.069	6918.125	2174.106689
## 22227	3828.798	7339.642	1300.581787
## 5142	3266.021	6688.795	446.452423
## 2106	3884.531	7574.507	886.857483
## 9603	3723.492	7281.792	1627.464233
## 17948	3961.576	7552.381	1555.497925
## 4922	3754.497	7196.877	1542.829346
## 3637	3869.346	7549.998	1204.941040
## 7563	3456.019	6882.814	482.770020
## 4869	3342.000	6472.999	825.384521
## 17665	3744.531	7418.506	1178.795532
## 17666	3792.732	7485.373	1420.355225
## 12317	3346.426	6659.616	829.165955
## 7116	3821.668	7507.794	1411.041016
## 2830	3399.231	6733.037	538.504333
## 3299	3855.208	7400.539	1030.197754
## 15313	3713.506	7301.210	1290.881714
## 13686	3721.920	7185.089	1579.603760
## 18912	3706.220	7184.090	781.805908
## 3962	3331.044	6591.001	1437.345215
## 16074	3453.171	6641.936	265.497803
## 15249	3003.683	6680.556	1508.126099
## 8659	3938.540	7580.455	1171.087891
## 9597	3613.793	7131.464	1541.651367
## 8111	3743.860	7377.465	1265.579224
## 8421	3184.401	6575.000	338.916077
## 16101	3343.958	6599.999	1429.340332
## 12742	3323.323	6612.000	680.147827
## 3671	3544.170	7093.902	1097.682739
## 6106	3352.455	6520.001	1125.363892
## 2777	3727.634	7304.053	1234.739258
## 15492	3592.745	7060.713	1483.957397
## 13251	3938.780	7535.638	1705.822266
## 12831	3458.738	6830.149	991.539795
## 15653	3813.505	7625.544	1402.890747
## 1614	3936.176	7614.828	1183.404907
## 8704	3529.480	7174.420	1114.989380
## 9799	3810.516	7571.496	740.695557

## 12006	3384.216	6592.594	1138.465454
## 18821	3890.417	7645.543	788.258545
## 17307	3298.865	6535.001	1259.976196
## 22483	3583.742	6941.877	1261.095581
## 181	3421.356	6770.834	461.851105
## 15395	3527.634	6925.716	1134.968140
## 4531	3342.863	6523.001	833.459778
## 11165	3616.603	6910.121	1945.427368
## 1195	3823.625	7442.368	1119.959717
## 18776	3358.295	6409.001	942.502686
## 21366	3677.822	7094.898	1813.190552
## 6508	3947.056	7557.726	1539.002686
## 12100	3921.439	7687.359	1593.759766
## 15821	3371.574	6634.260	265.285065
## 21316	3915.662	7665.937	1049.009888
## 9185	3775.377	7521.062	552.736084
## 18782	3357.826	6310.001	608.493286
## 8014	3839.599	7141.316	1019.066711
## 2835	3592.198	7095.239	627.841858
## 1162	3590.681	6775.659	2206.459229
## 848	3638.390	7192.347	1641.489136
## 13126	3351.480	6540.000	1691.925537
## 17476	3610.181	6873.751	1855.003296
## 16988	3610.391	7295.756	793.951172
## 18532	3726.444	7581.922	533.400085
## 16998	3579.099	6836.844	739.263672
## 15206	3418.710	6931.251	1721.190674
## 21758	3937.543	7466.056	908.136414
## 7343	3804.391	7395.051	608.860107
## 16749	3831.869	7674.800	1102.185913
## 20409	3711.562	7123.684	1345.478760
## 15941	3717.881	7267.230	1039.263916
## 1315	3548.228	6955.921	1027.989502
## 17609	3718.463	7434.711	27.850273
## 19641	3790.640	7210.366	1051.685547
## 13613	3588.097	6837.501	1410.296997
## 14417	3843.684	7411.325	1028.584229
## 1952	3889.263	7670.520	672.028503
## 6945	3500.556	6816.668	1065.505981
## 19484	3830.191	7431.434	1262.642456
## 14377	3653.702	7090.428	1234.179077
## 7911	3362.270	6468.269	1307.672852
## 6585	3338.563	6454.001	1166.026733
## 16304	3898.488	7693.134	797.100708
## 6813	3485.231	6710.155	1647.681885
## 492	3544.076	6820.396	347.087830
## 19707	3487.827	6896.528	946.387329
## 13441	3356.018	6692.595	1053.436279
## 2986	3842.838	7340.375	891.041260
## 15720	3684.868	7233.898	1317.833740
## 935	3755.781	7258.847	1846.252441
## 13400	3461.035	6599.139	942.270752
## 2220	3651.951	7078.124	1633.724854
## 1642	3926.688	7700.414	1156.771484

## 999	3317.768	6507.692	1032.148804
## 19857	3790.708	7480.770	2002.320312
## 20758	3358.781	6407.001	1635.278931
## 15638	3801.025	7175.618	326.459686
## 12004	3779.314	7404.656	1055.746704
## 817	3856.514	7473.250	1083.524902
## 22544	3616.495	6982.738	737.620300
## 6359	3526.992	7272.219	26.991781
## 13076	3942.679	7673.077	1050.404053
## 2530	3710.168	7331.148	1073.028809
## 6415	3656.338	7069.608	730.452515
## 18411	3119.240	6658.001	7.451341
## 16297	3350.905	6481.000	563.049500
## 15044	3277.934	6541.001	136.813751
## 1378	3535.883	6878.572	1621.092773
## 11684	3313.458	6637.905	796.071411
## 16204	3773.603	7449.127	1162.535522
## 196	3387.054	6598.149	1403.850586
## 5760	3266.594	6646.000	864.545044
## 18770	3908.755	7310.833	2134.561279
## 22256	3370.520	6426.000	1146.508789
## 13893	3341.557	6549.000	1185.190430
## 21379	3774.586	7189.553	1607.994141
## 5110	3490.327	6936.030	1755.935547
## 7976	3909.605	7559.156	1794.773682
## 5285	3582.781	7139.533	1524.044800
## 19487	3380.983	6540.385	1460.751953
## 13567	3357.259	6521.002	1312.764648
## 21731	3870.070	7605.964	851.185669
## 2365	3604.001	7297.546	1187.504028
## 14074	3830.564	7342.001	551.178589
## 1185	3350.504	6517.000	756.934082
## 19059	3752.992	7188.709	362.959229
## 5699	3936.809	7660.365	1092.584229
## 17734	3347.678	6523.002	2255.386475
## 2631	3750.963	7229.761	1471.512329
## 21501	3320.023	6406.000	92.293030
## 13537	3344.139	6523.214	848.359253
## 22530	3604.240	7025.000	401.159088
## 3057	3342.089	6795.537	1569.697632
## 6777	3346.528	6568.000	1259.477783
## 11530	3460.712	7541.667	1227.713257
## 7285	3306.332	6452.000	751.332825
## 13467	3509.888	6728.907	1095.088257
## 10973	3357.503	6484.001	655.417297
## 13698	3440.891	6530.359	1546.382202
## 314	3418.907	6458.333	708.722473
## 15321	3452.915	6913.282	1704.335571
## 1792	1086.635	6373.000	219.204300
## 2897	3702.973	7303.127	1214.038208
## 12875	3711.919	7275.000	388.322540
## 2003	3942.705	7551.148	1202.459229
## 20275	3856.634	7429.880	1832.648682
## 428	3876.225	7446.763	381.785156

## 7200	3963.200	7597.625	1341.183594
## 2471	3938.142	7608.576	843.464417
## 14133	3351.155	6484.000	1092.650513
## 16882	3224.330	7599.045	181.991470
## 224	3687.981	7265.254	1543.470459
## 10562	3278.081	6586.000	22.552681
## 13220	3747.562	7087.289	1786.072388
## 22264	3624.392	7035.501	336.069458
## 8456	3766.676	7385.575	1826.339844
## 16064	3771.930	7455.171	836.736206
## 3066	3688.669	7254.824	1350.863403
## 22304	3384.087	6548.147	1794.186035
## 2553	3824.148	7440.314	1325.338379
## 15447	3525.653	6993.920	1509.091797
## 14747	3722.124	7241.665	1194.522339
## 20789	3950.646	7562.004	1649.759644
## 14296	3727.357	7262.307	931.163879
## 13386	3438.216	6594.644	1540.292358
## 16134	3508.200	6836.487	163.683853
## 16604	3610.629	6928.049	1262.831177
## 14116	3856.444	7550.715	1655.445190
## 10785	3377.613	6583.653	875.786011
## 12562	3245.713	6635.002	499.218384
## 14495	3352.298	6411.999	911.710327
## 5418	3721.695	7472.403	1057.626831
## 7219	3827.344	7419.849	916.159851
## 9451	3534.313	6896.623	1045.610718
## 13508	3730.060	7531.252	1025.842529
## 18952	3498.894	6721.875	763.192261
## 18451	3355.442	6372.000	1454.565796
## 11640	3730.343	7315.217	1054.391357
## 5090	3546.397	6978.290	1751.286621
## 10200	3479.119	6913.638	629.929443
## 1343	3860.880	7515.089	1205.768433
## 12648	3363.297	6311.002	529.823303
## 20032	3645.761	7101.532	981.604736
## 16187	3308.067	6605.000	919.194336
## 15323	2615.500	7250.438	771.442139
## 12232	3645.707	7295.162	350.747620
## 19373	3733.761	7467.935	582.375549
## 20970	3676.052	7039.063	1282.851807
## 14773	3840.173	7570.396	1094.322754
## 20550	3944.863	7579.050	1544.822144
## 12561	3831.425	7607.437	1190.078613
## 10910	3535.209	7277.419	1497.140747
## 2230	3425.833	6783.334	651.600403
## 3562	3574.595	7335.318	1474.338135
## 13932	3438.217	6548.215	2005.356201
## 18650	3461.244	7136.363	124.656883
## 10722	3354.662	6581.731	204.018692
## 8141	3479.761	6708.871	497.898041
## 15833	3456.337	6704.839	1325.324219
## 17057	3608.016	7127.500	1313.899414
## 7498	3822.326	7551.174	621.893433

## 15782	3889.504	7539.834	909.450989
## 3294	3489.825	6926.352	310.801147
## 6297	3869.038	7685.502	1170.707275
## 8905	3430.379	6553.449	1181.583984
## 5691	3908.350	7555.522	1559.733887
## 9788	3820.947	7462.963	1640.756714
## 9141	3801.955	7541.019	966.705994
## 16347	3820.354	7556.039	1156.757202
## 1608	3912.697	7558.224	1155.467773
## 21860	3800.667	7463.485	2417.623291
## 6941	3410.796	6898.437	347.386810
## 20384	3926.054	7510.903	1437.274780
## 14566	3758.386	7447.666	543.801453
## 1781	3817.332	7445.054	1283.786499
## 14159	3732.338	7435.766	1351.179932
## 9726	3526.257	6687.880	1661.520874
## 21518	3889.552	7416.483	1534.284180
## 14222	3206.345	6674.039	16.171610
## 91	3679.266	7149.527	814.709961
## 14013	3727.741	7320.000	742.208191
## 11712	3930.775	7589.398	1198.084839
## 9620	3305.069	6402.001	1559.296753
## 16013	3686.589	7332.019	982.393738
## 20589	3463.073	6779.033	1059.012085
## 3678	3670.387	7346.121	1744.360962
## 10262	3327.334	6523.000	638.801941
## 6076	3914.154	7505.624	1632.923462
## 18613	3943.307	7556.212	1301.761108
## 14977	3544.757	7139.881	1251.571167
## 4871	3747.729	7125.000	907.437561
## 15216	3835.889	7508.096	1208.484375
## 6868	3343.471	6466.000	1096.657471
## 10555	3482.458	6850.783	830.848145
## 14184	3928.973	7501.810	1587.048218
## 8707	3363.303	6676.787	867.830200
## 1892	3381.584	6781.452	975.966064
## 10001	3884.875	7645.167	1443.473999
## 20974	3764.518	7231.715	1116.519775
## 19073	3527.883	6837.145	745.852844
## 19319	3334.195	6533.000	1641.456177
## 17690	3179.928	7203.805	1453.936768
## 2602	3734.463	7097.880	943.004822
## 9764	3624.159	6961.111	948.371399
## 11700	3647.311	7151.410	682.738770
## 21779	3721.180	7279.362	752.540466
## 22241	3267.971	7235.294	261.093262
## 357	3524.097	6964.583	1169.917236
## 12927	3761.760	7435.365	2032.098389
## 115	3126.721	7320.240	1.223619
## 6551	3427.745	6702.589	805.394287
## 8064	3122.487	6620.370	221.066040
## 9023	3348.837	6544.000	1237.075195
## 4950	3626.522	7730.322	735.795654
## 12304	3807.128	7576.240	974.395752

## 19547	3829.667	7520.177	1116.685791
## 2575	3881.592	7464.802	901.769470
## 5499	3721.421	7175.412	1574.989258
## 873	3292.970	6471.001	1085.851929
## 18993	3643.326	7128.724	2196.475098
## 11260	3354.129	6371.001	843.642700
## 19779	3759.819	7429.269	906.767334
## 19633	3359.085	6430.000	2421.184082
## 13887	3311.792	6565.000	2178.366943
## 11112	3870.034	7493.157	1174.907349
## 5964	3302.625	6621.000	728.409790
## 11902	3865.408	7297.419	1187.548462
## 12584	3287.276	6621.001	1119.248169
## 3508	3826.372	7596.536	1094.756104
## 16280	3152.652	6619.999	2690.265137
## 15828	3565.469	6836.184	468.329681
## 2762	3351.404	6491.000	864.378113
## 17465	3471.980	6779.841	613.600037
## 10474	3385.792	6571.297	875.016113
## 21051	3809.006	7289.710	1490.746216
## 19989	3805.872	7392.618	1287.936035
## 21135	3719.067	7189.474	1458.741211
## 11974	3560.110	6835.418	748.644287
## 4619	3317.734	6361.001	304.490448
## 15851	3308.577	6515.000	135.011063
## 8434	3783.113	7226.055	937.983032
## 18432	3878.013	7362.180	1512.010986
## 7894	3324.002	6638.462	310.239624
## 260	3810.180	7487.122	2340.934082
## 1897	3712.580	7579.688	859.512268
## 16282	3127.019	6673.076	712.941162
## 9353	3839.506	7435.859	1380.505859
## 10130	3851.628	7625.649	2008.797852
## 8192	3466.494	6855.471	354.077087
## 18957	3391.236	6535.577	722.706299
## 6215	3898.710	7557.458	1028.256592
## 9177	3786.045	7373.947	558.151306
## 14759	3329.912	6586.000	877.841858
## 12756	3689.770	7159.258	840.094238
## 10365	3347.937	6476.001	854.989929
## 11151	3901.466	7580.242	1248.230225
## 5215	3873.595	7594.730	605.907166
## 21151	3835.643	7348.403	1224.394897
## 13442	3350.493	6540.000	1833.586792
## 7587	3472.033	7357.305	1489.156494
## 13933	3462.911	6622.415	1933.446533
## 3639	3363.008	6459.001	1298.751953
## 19925	3423.768	6658.929	743.903381
## 20611	3434.898	6602.679	1250.414429
## 15203	3290.608	6644.001	878.269165
## 15528	3754.510	7379.733	1087.890015
## 4073	3522.052	6960.001	1465.892700
## 14329	3764.267	7414.024	1246.125610
## 21876	3837.551	7484.315	2087.163086

## 7737	3768.653	7260.916	1309.542236
## 14095	3577.821	7086.228	1350.775146
## 22390	3786.330	7228.297	1236.901611
## 9689	3416.653	6581.483	2224.510742
## 136	3791.242	7194.620	1101.436401
## 22126	3845.179	7716.468	907.298889
## 19837	3678.598	7078.920	1011.906433
## 9351	3682.433	7193.866	1235.110352
## 18639	3871.570	7383.392	1584.851196
## 20323	3847.687	7348.140	1357.471191
## 20825	3359.588	6423.000	1346.458252
## 10769	3498.750	7004.730	278.462891
## 8954	3737.517	7506.943	697.733032
## 2523	3349.971	6609.001	1028.386230
## 6667	3950.927	7743.841	1012.178772
## 4205	3893.263	7685.655	1524.975342
## 11697	3795.534	7435.960	1573.444458
## 16726	3729.161	7450.343	2054.546631
## 13717	3857.966	7295.050	1490.149048
## 21734	3722.585	7340.625	564.066528
## 18366	3652.035	7252.314	1211.713257
## 4060	3313.721	6594.000	450.669739
## 21042	3465.036	6795.969	1791.668457
## 9114	3428.355	6669.167	2020.516968
## 8641	3682.422	7286.429	1263.831909
## 6961	3540.171	6770.716	962.151672
## 21804	3924.101	7608.509	1720.659058
## 6375	3875.016	7429.032	1336.160278
## 18253	3615.710	7070.239	725.938660
## 18096	3934.058	7461.099	1738.963013
## 20708	3914.343	7376.470	1562.749512
## 21893	3800.342	7379.023	1857.731445
## 10371	2337.754	7329.230	1059.637085
## 9886	3527.233	6728.788	766.385498
## 2108	3895.916	7706.563	1291.442627
## 874	3585.314	7038.635	1347.896484
## 13545	3749.422	7306.339	1802.687988
## 5578	3579.271	6868.591	1408.543457
## 19892	3554.043	6975.001	1494.278809
## 4625	3639.070	7345.339	1885.764160
## 6012	3745.807	7504.787	569.489380
## 21675	3362.570	6485.001	1259.356445
## 7590	3375.895	6452.885	930.382751
## 2851	3523.136	6856.431	1191.278076
## 17927	3942.296	7542.304	1439.766724
## 11496	3610.349	7117.023	1037.827271
## 9772	3774.705	6930.634	180.943329
## 17371	3505.631	6999.342	342.212280
## 2685	3438.447	6286.806	789.557007
## 14199	3862.054	7429.199	770.531250
## 9979	3305.222	6517.000	1238.384277
## 19621	3384.188	6471.155	873.367859
## 13634	3363.035	6450.001	1052.415405
## 12379	3905.505	7686.081	488.407471

## 21673	3525.678	6824.266	1160.804077
## 7115	3808.553	7484.898	1423.871582
## 10866	3557.868	7053.750	411.819611
## 11108	3649.638	6931.772	1411.003418
## 8033	3339.830	6375.999	1283.781616
## 2462	3897.770	7593.610	905.061707
## 18982	3302.781	6488.001	941.626953
## 19718	3397.722	6636.112	1530.920654
## 869	3339.549	6650.892	1930.189453
## 15839	3597.964	7119.888	76.386314
## 15648	3726.198	7324.999	1224.579102
## 5204	3865.842	7567.123	489.673737
## 7606	3892.009	7374.432	1731.054565
## 2069	3789.221	7458.622	1580.565308
## 10991	3700.455	7024.554	1008.192932
## 15928	3726.375	7319.368	2018.197510
## 3718	3762.212	7500.171	1002.145386
## 12130	3298.799	6558.000	911.157837
## 12663	3458.103	6990.715	1493.727295
## 8751	3008.679	6683.333	315.450562
## 19460	3560.604	6779.168	1144.355103
## 4648	3208.063	6675.001	412.812988
## 13154	3436.652	6607.143	1404.482178
## 5094	3725.426	7214.168	1533.622314
## 7338	3503.585	6815.715	211.678574
## 1245	3874.741	7610.886	1219.910522
## 273	3345.731	6540.000	1700.680420
## 16929	3524.163	7033.784	1257.324707
## 11999	2585.635	6790.445	438.393890
## 4628	3708.609	7336.720	1326.955200
## 15139	3555.051	7232.628	748.796631
## 7867	3381.693	6557.693	1938.625977
## 7250	3690.690	7478.618	412.008331
## 4226	3764.583	7537.926	1603.470825
## 5439	3638.307	6909.660	915.310181
## 17644	3797.002	7575.938	210.796524
## 12064	3664.357	7161.972	274.207977
## 726	3747.771	7242.970	1317.090088
## 21538	3820.316	7598.084	650.145691
## 15398	3547.087	6815.280	761.660095
## 9304	3772.462	7222.390	1437.156860
## 8756	3805.936	7492.887	791.273682
## 3465	3618.840	7031.708	1447.022461
## 17383	3362.354	6463.999	1529.346191
## 13157	3853.765	7407.934	1441.459717
## 15196	3758.411	7238.667	531.973877
## 18765	3319.071	6474.001	248.285339
## 110	3309.721	6656.000	1262.383545
## 6713	3653.500	7084.315	1590.808960
## 5283	3820.488	7461.315	678.780029
## 19793	3754.907	7256.440	1012.618103
## 5357	3900.823	7630.532	1890.663086
## 21796	3823.977	7637.092	1001.691284
## 10915	3372.881	6728.450	1334.912842

## 4078	3556.962	7011.186	876.628601
## 808	3906.602	7584.617	1247.623413
## 3550	3792.378	7450.295	1006.648926
## 10493	3818.619	7646.947	1909.059082
## 8118	3745.749	7242.046	564.703796
## 9481	3847.645	7438.463	1994.035522
## 1861	3707.422	7283.196	1364.763306
## 11956	3357.279	6479.000	458.311127
## 7434	3216.133	6490.742	149.661880
## 21534	3771.275	7318.156	928.689575
## 7106	3677.742	7194.340	777.521118
## 3949	3848.238	7527.876	1176.839111
## 2661	3512.478	6822.059	819.571960
## 10777	3563.196	7146.940	711.810486
## 6643	3874.265	7486.734	1463.390259
## 4269	3868.830	7514.642	1715.445557
## 14053	3845.630	7460.164	1773.684937
## 321	3362.694	6508.000	1982.913940
## 11092	3958.607	7542.591	1525.857666
## 21989	3354.354	6493.000	2228.011475
## 10145	3917.798	7621.796	1197.243164
## 901	3933.944	7574.049	1174.195435
## 4481	3706.726	7298.943	1555.484863
## 17862	3642.418	6993.184	906.858765
## 3577	3841.957	7572.639	1415.673340
## 16932	3483.942	6923.532	980.481079
## 6550	2997.950	7214.061	132.273285
## 11987	3537.275	6994.735	466.221924
## 10303	3472.130	6867.189	1319.765625
## 15426	3343.660	6548.000	632.048096
## 8755	3783.081	7361.919	490.849640
## 12095	3745.237	7075.001	1351.791748
## 5581	3385.418	7356.033	550.096375
## 20290	3911.110	7648.055	1141.453247
## 12071	3413.833	6693.967	693.341370
## 5606	3913.619	7642.666	1981.092407
## 4390	3614.038	7038.333	1421.931641
## 16808	3706.213	7450.316	726.539673
## 380	3348.456	6726.564	281.983002
## 5454	3285.473	6618.000	263.607056
## 10325	3317.622	6612.999	1810.168945
## 19184	3374.017	6537.500	704.556702
## 14262	3942.587	7655.770	1407.397217
## 2930	3914.189	7594.820	1153.768311
## 143	3475.693	7045.350	651.126343
## 20679	3375.936	6300.001	1930.122559
## 18668	3505.912	7003.205	186.701370
## 9059	3673.615	7067.708	997.114624
## 19506	3796.651	7231.563	1026.564697
## 15413	3362.468	6808.037	1312.007324
## 21957	3924.458	7577.180	1274.628906
## 6807	3834.639	7606.823	1564.413086
## 15801	3400.017	6806.899	433.674072
## 5696	3350.184	6410.000	1503.993652

## 3474	3700.537	7219.737	662.635132
## 21499	3352.373	6427.000	1121.919312
## 7683	3723.013	7234.426	1487.302490
## 1356	3621.889	7083.331	1094.904297
## 22258	3353.397	6332.001	1375.981323
## 1624	3921.170	7562.400	973.952332
## 1878	3341.727	6553.001	1034.745483
## 3822	3847.294	7697.496	1206.696045
## 19117	3489.915	6977.026	696.515137
## 12693	3863.963	7627.001	1631.430542
## 18041	3342.003	6425.000	509.277832
## 21003	3381.883	6529.808	1318.334839
## 12053	3698.786	7331.521	1037.235107
## 1264	3880.692	7583.916	1103.039917
## 20308	3925.670	7442.207	1201.162354
## 599	3386.822	6679.629	1097.404541
## 8991	3920.412	7554.122	1079.798950
## 15919	3564.557	7265.501	329.298615
## 1381	3759.442	7308.695	1440.705811
## 8243	3767.587	7477.032	957.764771
## 14928	3213.281	6679.001	1198.866943
## 18027	3312.693	6605.001	705.533020
## 19585	3933.645	7783.712	1639.861328
## 1280	3489.730	6801.562	927.796204
## 2656	3623.956	7600.597	895.411865
## 9083	3643.917	7111.701	1030.488770
## 18893	3330.707	6549.000	704.966064
## 15487	3328.934	6592.000	526.426025
## 13458	3366.525	6463.000	1689.821655
## 16530	3759.086	7457.188	1571.180908
## 8251	3348.504	6389.001	1382.004761
## 1065	3398.814	6892.360	1307.052368
## 10737	3628.917	7103.725	1008.771484
## 18390	3782.398	7431.549	1741.707031
## 1350	3011.568	7543.037	911.034729
## 21194	3373.035	6663.795	211.028534
## 11150	3856.939	7606.747	1017.039795
## 17252	3680.411	7164.682	1482.965820
## 8652	3890.546	7393.273	1811.231934
## 8876	3864.211	7451.658	1481.270752
## 6454	3817.357	7405.931	1538.817139
## 1812	3918.963	7706.486	1516.169189
## 18557	3897.627	7606.911	1236.911255
## 6095	3349.736	6359.000	160.048843
## 15686	3341.066	6551.000	638.925842
## 3873	3604.193	7013.690	1676.913330
## 8343	3520.135	6862.500	987.735962
## 142	3750.698	7447.637	1930.906494
## 2840	3496.864	6927.206	521.161011
## 17999	3487.377	6775.001	3715.212891
## 9127	3715.965	7386.486	1264.060059
## 4094	3292.908	6576.000	1610.349121
## 19516	3565.713	7280.264	257.536713
## 15341	3637.442	7587.035	1579.203125

## 14596	3750.571	7245.272	1532.419067
## 4761	3620.326	7037.224	739.821472
## 17486	3502.320	6711.721	1599.921631
## 21754	3378.620	6631.481	1015.578369
## 21965	3364.169	6542.309	1675.599976
## 15817	3224.674	6481.000	426.577362
## 22289	3353.022	6576.000	1353.120117
## 6737	3870.365	7457.210	1159.678955
## 20378	3919.470	7454.902	1308.531494
## 12585	3524.092	7061.844	944.608093
## 21397	3492.273	6648.389	1461.901978
## 1110	3590.135	7073.295	683.855713
## 9276	3783.291	7394.515	1210.635498
## 7224	3768.759	7233.826	828.992920
## 20702	3374.528	6325.001	1476.347412
## 14518	3786.677	7431.820	1592.506958
## 1147	3844.064	7418.421	1723.449585
## 7839	3462.919	6773.389	676.466614
## 18384	3238.536	6589.000	591.686584
## 12989	3366.888	6491.001	1227.537720
## 17788	3730.519	7281.453	1416.793579
## 1513	3778.763	7376.150	1806.760254
## 4725	3303.782	6624.000	1137.134277
## 19748	3515.422	6908.089	843.383850
## 5279	3361.104	6495.000	296.776276
## 16807	3633.151	7152.552	1610.835815
## 10326	3354.375	6383.000	2292.475586
## 2305	3934.132	7649.877	1373.714722
## 227	3372.295	6561.537	1367.692017
## 678	3643.451	7310.528	1373.758911
## 1014	3641.422	6985.000	1092.272339
## 21633	3359.458	6467.000	767.083008
## 15681	3869.624	7429.340	1034.222290
## 11590	3610.351	7108.332	1046.300293
## 19140	3567.156	6994.737	742.986084
## 1851	3416.732	6623.214	710.979492
## 9972	3787.022	7586.427	808.049805
## 6327	3537.210	6692.858	1474.937256
## 7771	3770.079	7348.054	1006.109558
## 11038	3350.296	6582.408	513.093201
## 21819	3504.788	7148.369	255.911453
## 21761	3927.880	7593.818	1284.077393
## 6179	3353.106	6505.001	703.728516
## 12348	3963.921	7572.869	1521.583374
## 19336	3731.849	7260.334	1258.606201
## 5782	3754.271	7150.002	1536.552368
## 15519	3745.505	7326.495	1742.171631
## 2413	3405.479	6933.595	2650.725830
## 238	3358.556	6664.424	1659.832520
## 13492	3815.445	7607.817	1586.023193
## 12323	3705.975	7484.147	642.903015
## 10225	3335.914	6674.138	1132.039917
## 1709	3745.405	7517.391	985.462463
## 14675	3875.015	7576.174	1232.964722

## 6284	3955.103	7505.436	1435.913208
## 6921	3860.206	7538.061	800.554016
## 4453	3726.746	7409.999	1046.049438
## 9287	3704.320	7218.183	1005.321960
## 8520	3610.454	7187.737	472.731689
## 16681	3452.618	6990.442	1039.937012
## 9819	3461.814	6870.456	1056.436523
## 918	3575.518	6925.000	1018.107361
## 6118	3539.300	6920.511	174.784088
## 6654	3475.136	6637.904	1034.709473
## 6046	3717.584	7075.441	1621.754639
## 19457	3746.441	7213.710	1288.051880
## 2056	3889.979	7616.123	1364.288086
## 7615	3349.070	6526.000	1803.819946
## 10986	3366.229	6240.001	1121.654663
## 9339	3518.735	6773.486	1083.883911
## 11690	3719.534	7156.853	2633.854492
## 14431	3589.658	6996.608	446.250702
## 17949	3955.949	7564.112	1678.569824
## 9049	3762.414	7239.393	1568.036987
## 5981	3346.100	6581.000	1601.674805
## 22103	3691.769	7179.825	268.107300
## 19075	3471.708	6782.031	765.354309
## 22215	3450.844	6635.158	979.548950
## 15177	3678.211	7414.615	1145.843872
## 22128	3515.581	7096.668	850.454712
## 8677	3624.298	6810.715	944.630798
## 4498	3505.789	6972.918	353.843750
## 15091	3334.514	6607.001	1754.859863
## 6987	2070.989	6548.000	347.141907
## 20381	3917.925	7390.207	1357.692139
## 16920	3371.161	6656.035	591.243591
## 7714	3814.604	7466.129	1704.630615
## 16053	3798.629	7490.501	938.948975
## 8720	3893.079	7671.921	794.143860
## 12451	3888.090	7627.555	1538.156250
## 405	3470.016	6879.607	319.266724
## 19082	3348.306	6495.000	930.783386
## 9951	3604.018	6863.094	1398.553467
## 1635	3820.284	7508.209	1129.471069
## 11864	3368.862	6216.001	520.064880
## 12835	3303.117	6675.927	647.685669
## 9749	3893.160	7601.829	1278.836426
## 16575	3650.457	7203.570	1969.438721
## 10460	3515.854	7006.250	1374.255371
## 6930	3764.578	7487.981	558.162964
## 14745	3418.000	6602.677	995.302124
## 6377	3816.180	7409.636	956.646912
## 16862	3476.252	6675.001	968.071899
## 7012	3930.861	7409.632	1152.777588
## 21504	3472.660	6590.833	1208.627319
## 1903	3889.775	7662.559	1532.101318
## 17984	3321.939	6608.000	571.855042
## 8686	3757.505	7279.226	1275.397461

## 7404	3619.185	7371.251	2012.494263
## 9746	3905.217	7548.955	1586.924805
## 11220	3658.969	7314.285	1043.132690
## 16507	3729.952	7420.333	1391.936157
## 2764	3927.152	7664.116	1538.500610
## 3052	3580.225	7123.887	826.652710
## 2319	3760.994	7321.479	682.866455
## 17213	3870.193	7561.702	1525.796875
## 3871	3612.260	6937.500	1179.307495
## 11082	3283.695	6428.001	799.954346
## 9763	3417.429	6828.907	411.203369
## 6652	3603.289	6685.898	851.244019
## 13836	3641.550	7056.915	633.462158
## 15891	3787.389	7484.803	1283.410400
## 9825	3698.124	7286.476	2164.791748
## 17248	3694.292	7156.665	1627.194214
## 629	3360.231	6408.000	868.607849
## 6821	3718.081	7346.737	613.476257
## 5120	3725.764	7342.065	2306.119629
## 4817	3339.907	6551.000	1463.516602
## 7788	3511.793	6894.287	374.337402
## 14227	3792.697	7359.167	808.379883
## 19599	3621.334	7021.021	3353.913818
## 1093	3720.551	7382.099	1300.462036
## 21075	3795.987	7141.780	1760.176514
## 7093	3573.292	6951.353	1000.328308
## 2929	3851.449	7538.596	786.476135
## 4470	3551.745	7014.205	1050.368042
## 1552	3749.746	7330.392	892.733337
## 20600	3473.107	6689.517	886.301941
## 2215	3321.767	6533.000	528.926636
## 10993	3464.437	6726.430	1558.088745
## 7204	3951.994	7551.270	831.464478
## 4201	3790.285	7543.606	1576.734497
## 8466	3696.869	7299.450	2439.518066
## 2439	3593.696	7049.421	1050.858521
## 12170	3395.904	6381.731	1795.624878
## 9456	3442.623	6831.454	1941.272217
## 8209	3729.596	7472.695	825.869446
## 18125	3673.402	7141.666	2350.778809
## 10619	3495.860	7056.757	1186.013550
## 21480	3249.357	6568.001	40.812378
## 9174	3586.554	7045.732	2253.036621
## 19919	3634.820	7108.696	1114.132446
## 3603	3760.443	7502.316	1141.547607
## 11980	3423.746	6964.288	1212.119629
## 5894	3957.801	7574.792	1758.553589
## 14461	3865.435	7719.205	1017.945068
## 15921	3743.218	7387.197	169.762009
## 13632	3367.075	6476.000	1492.123657
## 469	3571.297	6623.649	437.135468
## 1184	3346.731	6525.000	1763.953003
## 3205	3736.447	7350.002	1756.187988
## 10742	3403.485	6377.500	24.224283

## 17654	3704.551	7261.328	657.046204
## 20621	3465.870	6443.103	1527.451904
## 5528	3375.858	6738.793	136.903107
## 13288	3335.228	6363.001	1167.739136
## 19050	3787.902	7258.562	1470.648560
## 4519	2992.456	6668.002	521.041809
## 15537	3552.465	7112.804	221.901382
## 8453	3420.753	6825.000	1778.779175
## 19034	3709.015	7202.275	1028.902710
## 10845	3423.288	7130.625	554.172974
## 17777	3692.043	7259.485	1146.900635
## 1798	3559.872	6930.114	928.086548
## 5896	3977.932	7612.963	1675.921509
## 2853	3731.338	7281.642	1208.473267
## 19709	3302.685	6625.000	1506.646362
## 1169	3558.341	6925.000	319.567871
## 3629	3314.107	6556.000	1123.686646
## 18420	3267.165	6349.001	1083.003540
## 1984	3918.298	7674.166	1573.531982
## 6025	3956.661	7570.132	1699.086182
## 18980	3807.403	7391.501	1421.265503
## 17458	3685.874	7120.313	1539.710815
## 15238	2920.312	6765.626	497.650635
## 5336	3436.891	6719.169	1506.878418
## 16730	3759.017	7584.445	1553.547974
## 2285	3613.534	7151.704	1008.439453
## 15222	3617.216	7047.160	882.829773
## 13365	3703.978	7227.156	1277.403809
## 12813	3528.429	6943.921	514.125610
## 5746	3396.342	6642.593	2694.580811
## 16511	3318.202	6498.000	1001.479126
## 5973	3840.250	7309.750	982.039307
## 17744	3945.279	7620.820	1340.032227
## 13016	3864.920	7405.532	1157.093994
## 8934	3693.354	7640.412	696.719604
## 3821	3833.842	7657.718	1229.195435
## 21924	3938.154	7618.491	1271.040649
## 11658	3689.967	7212.280	758.058899
## 5938	3203.518	7215.441	569.824829
## 20737	3312.609	6459.000	1137.475952
## 16375	3720.161	7161.439	843.250549
## 16251	3463.784	6994.284	596.554138
## 22438	3826.378	7243.057	1614.856934
## 5413	3413.520	6684.822	919.248047
## 21337	3690.187	7250.001	893.401367
## 13361	3332.079	6541.002	1073.830566
## 1567	3858.371	7502.452	1232.145874
## 15110	3527.281	7118.751	304.167145
## 10764	3740.783	7344.080	899.438049
## 20145	3618.881	6965.698	1041.388794
## 14986	3879.812	7383.586	1724.268433
## 18050	3333.267	6593.000	623.300476
## 4830	3869.531	7760.703	1464.372437
## 17178	3323.972	6581.001	1855.996582

## 21523	3803.145	7497.918	1351.885132
## 1476	3728.374	7423.264	1250.746216
## 3967	3847.657	7592.963	1147.187256
## 5398	3862.852	7540.188	1008.000671
## 2754	3761.594	7286.765	1587.215698
## 12801	3334.315	6576.000	1317.473511
## 8351	3254.932	6561.001	137.714737
## 2265	3491.311	6915.151	755.080566
## 5236	3723.437	7256.147	2467.052002
## 12599	3935.462	7673.339	1782.136353
## 8529	3611.886	6956.098	1250.453735
## 22180	3354.338	6507.001	1604.658203
## 8067	3869.881	7501.991	1404.083618
## 171	3555.452	6989.774	643.396606
## 4285	3837.463	7578.253	856.427002
## 22527	3446.334	6630.173	1648.887817
## 20468	3938.382	7536.373	1350.692139
## 17829	3636.500	7132.292	1583.342773
## 3676	3795.385	7509.522	1239.803833
## 4101	3545.804	6949.307	1361.196777
## 22541	3421.109	6665.834	805.306152
## 13792	3716.122	7266.250	1429.109375
## 22538	3580.388	6896.710	3281.949463
## 19578	3922.282	7685.486	1772.478516
## 6707	3817.525	7515.869	1739.097534
## 21368	3666.962	7053.646	1305.292603
## 14565	3883.599	7529.270	1157.633667
## 13760	3348.110	6402.000	1145.577026
## 8341	3536.146	7164.535	761.449219
## 9940	3813.030	7286.539	1367.157471
## 14848	3636.087	6910.227	457.643341
## 9743	3827.639	7386.958	1676.286499
## 19533	3724.549	7115.255	1148.924438
## 14574	3719.440	7347.126	773.749084
## 3806	3300.154	6494.001	1645.726074
## 19081	3684.350	7093.135	1205.859375
## 7409	3326.496	6541.000	899.464905
## 1515	3916.333	7676.525	1479.037354
## 19191	3365.912	6428.000	1332.802612
## 19038	3735.361	7189.410	1317.706909
## 7983	3647.301	7139.817	1542.001221
## 6655	3769.595	7171.874	1434.559326
## 6233	3805.460	7512.751	664.331848
## 4928	3629.136	6994.185	1162.675171
## 13047	3299.312	6536.000	90.832108
## 8611	3537.929	6930.130	904.543274
## 2973	3758.066	7287.204	765.442627
## 3555	3459.489	7305.555	1300.089233
## 1827	3672.487	7233.771	1186.208130
## 3426	3873.494	7613.025	1653.707520
## 6806	3854.827	7465.399	1822.961792
## 2911	3736.790	7224.252	619.674927
## 9466	3690.146	7313.749	1468.202881
## 1300	3541.707	6683.824	1804.411865

## 16719	3901.755	7546.025	1322.817871
## 18391	3820.406	7496.323	1545.299194
## 13831	3618.345	6914.025	310.803802
## 7556	3871.993	7776.561	1403.273926
## 1318	2654.839	6483.999	606.166199
## 19261	3810.578	7457.111	901.380981
## 6609	3759.504	7323.550	1659.288696
## 16484	3723.814	7102.344	391.800537
## 3657	3579.554	6951.829	774.340515
## 11284	3606.599	7073.215	1113.049805
## 1083	3787.035	7466.129	1204.329224
## 21251	3550.867	6770.141	1420.437256
## 13162	3680.235	6991.145	1480.101074
## 18920	3850.988	7379.810	1016.898438
## 8998	3664.998	7259.585	698.919434
## 4468	3325.163	6520.193	1161.208496
## 17315	3761.419	7368.582	1087.020386
## 12336	3869.359	7504.752	1995.530884
## 7441	3604.965	6989.773	921.481689
## 4810	3556.954	7037.500	935.542297
## 4819	3325.711	6598.000	1719.791870
## 7430	3743.361	7158.825	539.915894
## 12427	3339.750	6328.000	1129.044922
## 19812	3414.095	6480.554	712.259705
## 10304	3356.993	6624.041	1485.677490
## 5703	3965.221	7625.794	1561.720093
## 11270	3841.112	7542.782	1149.480347
## 7975	3479.378	6809.722	666.542419
## 5071	3819.249	7556.193	1416.303345
## 2694	3786.837	7143.180	1383.453247
## 7184	3803.530	7341.568	1637.092285
## 6044	3981.884	7617.935	1293.791626
## 17262	3361.956	6678.000	8821.179688
## 10045	3471.098	6732.812	983.386536
## 12918	3365.114	6433.000	1062.631470
## 2954	3874.083	7634.902	1367.205688
## 18113	3916.766	7600.135	1704.984375
## 10838	3807.455	7700.741	1362.408325
## 3770	3748.261	7373.239	1064.232300
## 8258	3933.450	7461.042	1460.931641
## 1212	3877.825	7485.770	1309.887573
## 1873	3781.593	7425.632	1671.127441
## 20761	3960.856	7502.784	1919.249146
## 15297	3705.426	7486.430	1002.526794
## 20138	3560.181	6933.110	906.276672
## 9920	3892.654	7534.477	1595.880005
## 3521	3361.169	6481.001	1771.451782
## 9274	3360.306	6463.000	1068.483398
## 21141	3677.453	7010.417	923.005188
## 4152	3817.989	7509.653	1259.138672
## 4610	3686.555	7154.549	658.402405
## 18053	3674.957	7323.184	1705.955078
## 6852	3391.011	6677.778	1357.731812
## 346	3663.007	6529.255	1267.934204

## 21565	3406.819	6412.963	453.055573
## 8477	3970.202	7706.094	1597.638306
## 20560	3507.992	7118.182	359.308899
## 14104	3696.026	7175.747	814.466064
## 18304	3972.999	7637.516	1549.101685
## 19295	3811.628	7527.972	800.230469
## 1561	3925.301	7600.698	1123.193359
## 16746	3332.232	6515.000	1278.129028
## 4973	3790.969	7391.481	674.573486
## 9745	3627.035	7002.908	1391.231689
## 2213	3818.391	7490.500	1128.588013
## 1692	3877.800	7560.581	1059.906372
## 17869	2997.409	6523.000	63.631439
## 2527	3394.709	6671.431	1268.214355
## 16048	3734.010	7486.710	1270.468262
## 22313	3736.639	7394.927	1071.390503
## 2831	3587.792	7242.187	532.514648
## 13219	3371.578	6396.000	592.632812
## 904	3534.535	6638.234	1127.365479
## 5613	3822.496	7433.196	1743.466675
## 1079	3510.776	6816.667	505.067352
## 7457	3676.095	7506.748	364.387634
## 21792	3211.257	6536.000	662.198975
## 10861	3554.394	6879.168	1948.995239
## 2116	3671.985	7123.558	1357.330566
## 2686	3839.973	7280.119	1308.743286
## 3363	3889.884	7511.609	954.998962
## 3048	3605.331	7119.197	930.209961
## 11618	3553.528	6930.405	589.766602
## 22455	3864.015	7355.157	2046.508423
## 10881	3631.954	7095.556	1393.373779
## 4980	3658.558	6855.436	455.870880
## 4549	3674.581	7394.614	1041.586426
## 5854	3880.937	7555.780	1180.289551
## 3216	3796.522	7514.318	1482.367432
## 6210	3375.031	6572.115	837.392761
## 8038	3747.984	7018.749	1710.215088
## 9413	3309.074	6798.276	499.149963
## 7096	3899.393	7613.155	1011.872986
## 6132	3346.315	6532.000	1246.243408
## 15424	2332.013	6478.001	132.442947
## 21921	3923.678	7551.336	1120.677124
## 4027	3880.228	7713.930	1740.883545
## 20396	3288.003	6395.000	1024.484009
## 14828	3858.024	7364.545	1078.648560
## 4581	3728.819	7402.106	1058.269043
## 6022	3723.858	7156.562	975.475403
## 7323	1574.440	6820.833	0.009305
## 11147	3921.253	7354.316	1329.079590
## 7629	3865.915	7713.754	1040.304688
## 9528	3902.573	7520.499	1395.334473
## 21142	3670.816	7052.659	2067.287109
## 17387	3512.970	6845.589	759.811646
## 19121	3703.895	7336.476	1154.192627

## 17439	3671.225	7310.855	605.070374
## 5645	3943.149	7623.075	1471.055298
## 15023	3339.398	6611.001	1155.211304
## 13354	3367.365	6697.222	1304.795898
## 1934	3524.774	6915.000	1326.747070
## 15060	3400.592	6687.037	566.266724
## 7302	3911.215	7667.432	795.130249
## 12318	3654.413	7312.947	921.298279
## 5249	3785.242	7498.055	329.842804
## 3825	3774.576	7374.734	1201.013916
## 9889	3382.649	6596.155	2313.083252
## 22148	3395.144	6927.142	485.975464
## 290	3733.578	7270.833	1929.296265
## 8335	3270.073	6362.931	124.985168
## 4900	3492.283	6964.707	1692.892578
## 9499	3373.458	6347.001	960.525757
## 12178	3553.948	6493.921	1214.414551
## 12415	3318.046	6603.001	195.056793
## 15277	3590.595	7026.786	705.700562
## 9668	3709.513	7133.180	1548.069336
## 1570	3704.137	7558.847	976.007324
## 20041	3379.542	6597.116	1981.457153
## 4139	3403.653	6731.035	995.686768
## 22130	3458.726	7017.443	154.289734
## 3692	3858.788	7550.759	1222.818848
## 9766	3448.555	6889.286	387.239777
## 11132	3961.149	7568.860	1365.518066
## 5331	3666.172	7107.212	2600.721436
## 4428	3267.552	6606.002	1573.787720
## 6979	3498.007	6963.973	1801.608765
## 10793	3785.177	7424.707	889.984009
## 13274	3955.298	7578.511	1428.169678
## 10761	3544.474	6726.110	175.748657
## 14357	3766.106	7217.166	1068.106689
## 11482	3325.639	6722.223	733.018860
## 18163	3559.673	7104.902	285.119659
## 2935	3788.444	7299.203	1211.583130
## 19012	3314.399	6633.001	862.646423
## 2324	3710.377	7252.966	1298.966064
## 14062	3765.208	7514.189	2012.535889
## 12535	3640.911	7011.413	1033.042480
## 10880	3756.795	7441.439	2030.136353
## 19469	3661.730	7045.211	1350.328857
## 8354	3704.869	7230.468	629.900940
## 16967	3799.709	7392.471	959.418518
## 11603	3373.208	6598.335	1873.810913
## 2979	3728.365	7212.499	889.264343
## 7704	3903.824	7143.667	569.016235
## 7350	3355.787	6622.115	1335.410645
## 19963	3501.736	6809.090	797.450195
## 20460	3914.720	7463.806	1268.708008
## 18108	3888.931	7520.222	1831.657715
## 10119	3903.147	7573.139	1537.571655
## 3293	3884.104	7429.538	916.121887

## 8832	3399.935	6565.742	1086.210938
## 10780	3357.015	6505.002	1213.056396
## 18355	3358.673	6646.553	347.384033
## 2309	3827.217	7473.106	996.975464
## 7076	3554.842	7226.064	156.019119
## 4232	3337.929	6460.000	792.746216
## 9515	3475.322	6784.679	1700.408691
## 396	3343.749	6325.000	710.785889
## 9977	3618.887	7380.001	619.842041
## 11724	3956.271	7363.404	903.166626
## 1823	3786.829	7445.079	1212.931030
## 6789	3729.297	7035.714	538.183960
## 7654	3628.094	7329.236	524.699341
## 3396	3333.977	6579.001	963.341553
## 2484	3781.705	7347.842	1689.568359
## 7557	3836.936	7587.400	2248.613281
## 5506	3490.494	6898.529	1534.961670
## 8778	3667.003	7333.036	1787.833740
## 340	3363.899	6455.000	1338.088623
## 5660	3773.627	7427.907	765.540710
## 16453	3634.060	7198.500	796.585266
## 1100	3559.197	7101.830	1422.049316
## 10663	3564.697	7070.237	946.081299
## 15460	3471.827	6796.325	1555.907104
## 5234	3480.121	7000.000	171.392761
## 1510	3872.277	7570.323	1824.144043
## 20019	3875.671	7550.761	1102.549072
## 12740	3318.531	6605.000	427.301941
## 6223	3517.108	6894.855	1527.684082
## 707	3838.872	7563.034	1165.880737
## 20046	3717.479	7272.132	1607.507812
## 21827	3470.833	6760.940	1688.848999
## 11206	3793.678	7226.487	964.349792
## 2883	3827.253	7459.879	1165.648926
## 20643	3648.117	7120.745	1571.549316
## 13323	3893.379	7638.826	1337.914551
## 1921	3343.728	6603.846	1523.892090
## 201	3350.177	6556.000	1685.945435
## 18083	3324.352	6488.002	340.352356
## 14939	3865.352	7399.789	1600.591309
## 6908	3840.510	7471.226	865.129883
## 6593	3665.320	7259.436	549.001404
## 20361	3754.684	7482.063	730.125000
## 5013	3525.089	7099.393	633.988831
## 6656	3899.007	7721.750	1358.208252
## 21736	3678.856	7259.324	1000.382812
## 9674	3417.763	6657.144	978.055420
## 20189	3742.164	7189.063	708.495972
## 21487	3374.670	6311.002	1642.369751
## 5045	3622.581	7183.335	1086.285889
## 13050	3625.038	7059.445	828.819275
## 10232	3348.630	6567.307	1403.952271
## 10887	3348.683	6524.000	180.768692
## 14767	3347.067	6491.000	950.482117

## 10524	3805.379	7571.855	767.147888
## 16379	3408.205	6606.035	670.931946
## 19673	3602.156	7086.113	2549.724121
## 18026	3601.335	7038.638	1051.613770
## 12616	3692.233	7363.749	1940.873047
## 14114	1635.501	6519.168	239.835709
## 8530	3364.149	6442.000	803.745544
## 1365	3867.383	7482.696	1355.206177
## 20157	3834.714	7489.634	1027.541260
## 14273	3588.618	7404.321	263.708191
## 6503	3855.374	7557.692	1241.859985
## 21089	3728.782	7154.742	1272.884644
## 8974	3818.235	7375.229	1647.621338
## 20173	3319.881	6337.000	912.941895
## 9004	3367.236	6788.394	248.767990
## 13364	3464.110	6727.501	1232.937012
## 3701	3770.308	7465.763	1428.260620
## 1595	3423.282	6988.462	772.798828
## 19470	3842.443	7381.189	834.692444
## 21905	3886.640	7590.437	1706.056396
## 7552	3903.068	7769.431	1347.019775
## 11330	3361.908	6435.000	1404.852417
## 14134	3731.462	7256.557	1246.813110
## 10662	3837.918	7629.812	996.860596
## 2509	3512.238	7174.431	73.623825
## 18109	3296.638	6437.001	1562.484497
## 7389	3909.351	7241.939	957.887207
## 5957	3596.654	7116.112	149.605301
## 19275	3419.261	6654.545	417.720947
## 8983	3971.487	7516.658	1490.877441
## 5017	3578.536	7483.444	436.204590
## 21559	3895.570	7500.837	1150.373657
## 11711	3936.689	7458.335	1529.991089
## 1450	3821.429	7479.906	1094.264160
## 21312	3592.207	7190.557	1668.561279
## 7069	3863.906	7551.277	1701.535767
## 15130	3595.942	7120.352	836.583496
## 3815	3832.387	7533.879	1358.069702
## 4076	3430.401	6782.501	1906.007812
## 16560	3600.252	6990.908	1275.512939
## 12821	3689.026	7377.429	582.635193
## 1111	3669.344	7166.038	861.673950
## 15823	3503.452	6911.766	1000.325317
## 3564	3759.630	7686.176	1739.274780
## 19810	3458.593	6590.518	829.079651
## 17492	3603.794	6887.500	1755.237183
## 3429	3871.638	7680.711	1367.517944
## 5196	3382.437	6528.704	747.391174
## 19465	3555.758	6869.445	1758.245117
## 5118	3904.127	7671.047	1480.919800
## 18662	3320.883	6557.001	739.432739
## 2526	3671.839	7229.092	1063.346680
## 7021	3895.955	7658.359	1339.729004
## 2967	3890.379	7569.296	842.884766

## 4522	3279.140	6750.894	104.291969
## 4582	3641.824	7417.028	376.063904
## 8167	3339.950	6661.539	1662.238281
## 20512	3761.556	6901.985	717.984253
## 15115	3879.438	7492.538	1000.861511
## 9692	3778.620	7088.059	1908.461182
## 8970	3974.448	7529.430	1578.127075
## 15343	3411.998	6718.104	1080.966553
## 10183	3538.227	6956.251	901.867798
## 5674	3850.816	7590.309	739.350952
## 3224	3821.102	7570.398	1310.883789
## 6049	3975.333	7566.491	1758.285522
## 22303	3406.117	6768.967	666.078613
## 3257	3635.195	7312.142	1559.266357
## 5508	3823.899	7493.245	1596.013184
## 6368	3655.572	7283.963	1235.551270
## 6517	3353.011	6261.001	1378.617676
## 11407	3384.287	6825.863	2249.913086
## 19223	3670.929	7002.661	1792.060791
## 19917	3466.045	6695.161	656.998169
## 11307	3256.809	6881.618	512.066345
## 14989	3545.211	7054.376	388.425201
## 18757	3347.659	7194.092	246.444244
## 11162	3330.563	6424.001	1582.157227
## 3542	3698.002	7162.933	875.207764
## 21514	3771.934	7110.767	1010.731384
## 16383	3362.759	6515.000	848.468201
## 3689	3868.788	7494.379	1073.168945
## 17125	3731.058	7484.408	1031.425171
## 11061	3861.559	7406.912	1373.546997
## 6459	3416.932	6422.322	192.104202
## 19339	3719.359	7236.875	1946.651489
## 18631	3944.456	7513.797	1242.458740
## 9286	3458.981	7154.892	475.069061
## 15009	3480.303	7564.019	118.020302
## 6520	3376.759	6468.749	715.785278
## 6356	3323.749	6458.999	897.072021
## 20810	3461.073	6806.250	1164.167480
## 10637	3302.783	6727.778	976.612915
## 5402	3852.253	7544.362	1170.933350
## 15566	3796.760	7717.896	1200.638062
## 18110	3651.354	7582.740	833.783020
## 9368	3493.349	6833.595	696.483887
## 20306	3935.737	7496.120	1402.652832
## 8591	3722.141	7459.567	441.522247
## 1066	3538.614	6923.682	1522.954590
## 18956	3662.654	7117.857	855.877441
## 20211	3784.151	7259.514	835.190491
## 4706	3381.015	6887.904	1031.584106
## 8316	3212.048	6541.001	635.647156
## 3721	3434.439	6668.967	1702.663574
## 19396	3846.119	7545.354	879.556885
## 10133	3678.885	7326.973	1614.128418
## 19485	3546.229	6806.429	1176.342773

## 11984	3479.367	6759.680	1124.484741
## 4343	3846.601	7505.289	1504.693848
## 14226	3278.642	6441.000	71.273422
## 21114	3900.291	7370.498	1410.479004
## 15773	3346.286	6460.999	981.417969
## 2622	3453.534	6768.550	808.639526
## 12047	3349.620	6408.001	636.517700
## 10475	3607.863	6964.881	475.459045
## 1554	3261.516	6516.000	1117.248657
## 10891	3342.340	6542.000	1044.097168
## 14115	3686.301	7270.688	2274.450439
## 11138	3887.440	7485.589	1223.163818
## 15867	3863.345	7483.158	1090.481567
## 15713	3739.811	7257.693	1725.970337
## 2544	3923.253	7641.719	1565.971924
## 17573	3322.481	6512.000	848.400391
## 4117	3816.821	7483.161	1147.038330
## 8261	3335.470	6415.000	1173.232544
## 11561	3350.399	6411.000	834.537720
## 15361	3672.119	7007.870	1419.780151
## 15783	3875.566	7502.612	969.779053
## 12696	3740.171	7369.565	1320.804443
## 19248	3830.807	7345.146	639.711975
## 5365	3853.916	7463.778	1437.611084
## 1412	3712.328	7017.672	1050.239380
## 9621	3260.346	6535.000	937.867615
## 8657	3858.988	7513.322	926.880005
## 8713	3874.091	7470.107	898.493042
## 14801	3252.643	6616.001	499.562073
## 9616	3181.717	6491.000	613.530029
## 17759	3874.581	7553.504	1524.744263
## 15699	3658.266	7103.002	1220.686035
## 21493	3369.283	6337.000	1181.134644
## 15380	3416.235	6606.251	596.870911
## 19507	3738.709	6981.576	1766.588013
## 22037	3883.933	7586.852	1224.583496
## 1914	3228.325	6551.000	2206.141113
## 12349	3940.248	7540.946	1522.799683
## 3180	3477.158	6906.062	829.369873
## 9660	3786.224	7450.294	1481.166260
## 10932	3494.037	7074.554	172.440277
## 20672	3535.038	6831.945	725.658264
## 3504	3379.550	6716.381	847.417847
## 18122	3579.122	6795.627	1194.744019
## 21417	3356.287	6560.000	1830.939819
## 9570	3327.701	6515.000	609.797424
## 13107	3471.677	6772.659	1414.541504
## 1553	3498.914	6741.912	913.046570
## 11319	3398.477	6564.815	1511.228516
## 10560	3374.504	6734.483	19.415464
## 15574	3442.258	6817.743	1845.209351
## 16652	3837.689	7686.281	1813.726196
## 2328	3528.116	6880.262	927.725281
## 19651	3328.136	6527.000	175.314346

## 8447	3481.085	6976.389	39.092560
## 7360	3948.088	7503.718	1429.100586
## 716	3908.610	7726.443	1309.910278
## 10646	3739.625	7309.419	1173.568604
## 19367	3831.497	7626.598	278.710907
## 14093	3879.262	7583.681	1744.911133
## 18547	3364.696	6391.000	1427.363892
## 739	3448.508	6858.063	1151.549194
## 8927	3666.257	7081.140	1309.272705
## 9013	3742.737	7342.256	2965.572510
## 18953	3495.169	6738.282	964.603943
## 9264	3336.425	6544.001	1042.885864
## 20843	3432.024	6602.678	930.698059
## 16526	3842.338	7639.602	1172.693848
## 16697	3857.151	7500.763	743.780640
## 16439	3665.679	7059.998	757.293884
## 20978	3415.399	6474.074	935.314880
## 15211	3351.521	6527.999	682.653687
## 12270	3452.461	6821.324	958.140869
## 2548	3778.711	7427.981	1466.597168
## 20657	3795.633	7325.952	1384.342285
## 17116	3935.847	7527.714	1287.114990
## 22457	3727.347	7376.525	363.832520
## 6694	3646.818	6911.172	1738.342529
## 19226	3772.518	7121.641	1557.872803
## 20980	3841.832	7346.276	1348.163696
## 1559	3856.526	7204.053	1103.281006
## 9439	3333.456	6638.001	567.554443
## 7884	3752.620	7600.217	143.698227
## 9871	3574.214	6647.917	2244.333496
## 16145	3398.441	6697.321	1742.327148
## 16747	3419.442	6742.502	653.096436
## 8938	3362.116	6557.408	393.754120
## 10554	3829.898	7507.501	1066.655762
## 15457	3852.856	7567.112	1444.062866
## 3675	3414.651	6765.519	926.276489
## 20556	3638.451	7017.394	1448.377197
## 16579	3449.470	6476.784	2604.832275
## 17161	3544.183	6941.893	1531.217896
## 8130	3543.175	6974.343	276.655792
## 11519	3442.430	6913.282	1516.416138
## 17385	3350.262	6491.000	1344.102295
## 3532	3502.130	7008.333	652.259155
## 5315	3868.833	7416.202	844.304260
## 12749	3492.757	7335.418	1410.546143
## 10618	3703.806	7493.748	1254.074707
## 9733	3741.319	6875.392	1033.046265
## 7474	3356.566	6450.000	1440.230469
## 16761	3698.348	7253.949	630.038696
## 394	3307.287	6610.715	904.216492
## 7332	3334.447	6570.000	866.891541
## 1566	3845.628	7704.491	918.040710
## 3434	3759.475	7709.239	1492.039429
## 12889	3613.482	7217.022	1655.911377

## 2441	3364.054	6431.000	407.143402
## 6041	3934.249	7630.598	1294.684570
## 19178	3540.202	6862.857	1549.869385
## 7595	3881.446	7600.687	534.952454
## 14274	3783.723	7440.365	1976.456421
## 6055	3979.556	7566.300	1741.608154
## 6110	3441.381	6859.376	745.378662
## 10664	3498.306	6926.429	1619.691406
## 324	3617.645	6853.660	1524.821655
## 15282	3534.819	6839.287	2147.273193
## 12141	3334.560	6679.809	427.817047
## 11164	3503.616	6803.679	1104.989746
## 15454	3437.096	6626.725	534.243164
## 14715	3393.408	6801.668	698.089966
## 21943	3954.388	7600.417	1306.754395
## 7160	3326.079	6259.000	727.002808
## 13327	3945.327	7577.589	1707.020142
## 14539	3684.208	7377.823	1495.209229
## 21032	3407.828	6789.064	236.296753
## 9790	3658.990	7136.538	1313.854370
## 12885	3493.920	7112.819	1767.244995
## 7937	3747.075	6950.002	2287.340820
## 5393	3114.055	6654.313	707.618713
## 22358	3475.883	6681.253	1468.081055
## 20870	3553.761	6925.696	1509.025024
## 12104	3942.062	7558.569	1707.412964
## 7632	3881.749	7759.105	925.714966
## 20508	3946.349	7512.336	1168.831543
## 5530	3302.355	6614.000	237.617371
## 9973	3329.503	6453.000	152.797043
## 21988	3764.779	7451.686	1616.735840
## 4181	3654.105	7159.922	1006.542358
## 18433	3841.483	7370.472	1427.061035
## 17606	3691.183	7384.588	460.007599
## 1426	3312.937	6559.001	257.113892
## 1763	3364.501	6498.000	1198.075073
## 17222	3863.648	7465.893	1469.282104
## 12941	3304.281	6558.000	1155.257202
## 41	3654.282	7504.829	618.706360
## 20105	3438.772	6669.829	795.429688
## 4537	3524.141	7078.946	1045.122070
## 9400	3875.605	7511.255	553.602051
## 4126	3352.936	6554.000	1055.273926
## 12343	3957.404	7573.804	1448.716309
## 7172	3803.650	7538.944	1028.796997
## 21291	3733.301	7678.724	213.454361
## 5155	3549.011	6901.352	621.844421
## 19657	3466.422	6479.311	2132.635010
## 4200	3841.276	7667.691	1838.379639
## 6891	3914.067	7430.968	1564.262939
## 14769	3636.144	7090.557	1524.644409
## 4513	3679.133	7409.471	1388.979004
## 14860	3328.919	6628.705	1238.236816
## 3585	3802.800	7491.295	1565.401001

## 6428	3670.911	7132.842	1158.750122
## 15122	3713.408	7739.786	853.776428
## 17039	3537.658	6973.612	1152.476685
## 14909	3882.460	7686.695	2089.625732
## 22121	3814.340	7673.104	947.674377
## 15046	3579.664	7528.660	2003.244507
## 11768	3702.328	7332.334	1003.322693
## 10036	3906.155	7420.066	1613.209839
## 16780	3757.895	7196.538	1064.743408
## 17879	3518.680	6924.287	804.425842
## 18139	3565.150	7104.167	826.693237
## 7077	3001.228	6654.001	153.248688
## 10042	3945.188	7492.209	1573.899048
## 2079	3320.143	6630.999	1419.451782
## 3888	2792.706	6553.847	828.489014
## 8731	3757.255	7298.767	750.015259
## 12377	3693.644	7214.473	838.448059
## 702	3880.383	7571.582	1134.962524
## 10975	3765.123	7147.917	1323.198975
## 5407	3953.116	7742.250	1103.366943
## 12773	3638.412	7329.548	1774.172607
## 10940	3844.549	7478.378	2048.915771
## 5180	3319.172	6590.001	1544.744385
## 13142	3723.261	7226.249	1203.303589
## 13652	3482.526	6824.220	1755.258911
## 18607	3930.575	7395.122	1621.045654
## 1600	3605.495	6991.279	1513.599487
## 7691	3988.563	7419.149	1062.868408
## 11542	3861.252	7354.088	889.901917
## 4783	3700.553	7271.610	776.175110
## 19424	3778.851	7457.649	1022.861450
## 16524	3824.883	7419.611	1149.228760
## 3985	3930.468	7633.050	1503.841675
## 13725	3359.899	6568.269	1035.354614
## 14629	3868.698	7562.249	1098.091431
## 15141	3344.774	6480.000	493.034363
## 11484	3857.464	7548.159	1234.738525
## 10692	3848.303	7484.350	449.760712
## 21540	3745.004	7407.597	1051.165894
## 13	3402.025	6610.186	900.380554
## 12639	3554.250	6883.785	1182.554688
## 4946	3336.872	6564.001	1271.635498
## 20566	3355.602	6612.500	1876.215332
## 3393	3792.511	7541.237	1401.952271
## 13771	3570.016	6976.974	2196.289795
## 3286	3793.033	7549.798	1342.493896
## 7820	3644.847	6859.045	468.565857
## 8944	3322.961	6413.001	966.710815
## 1846	3757.782	7391.479	1221.518921
## 2033	3403.886	6695.833	1486.951416
## 4009	3830.791	7556.343	987.443542
## 7271	3298.400	6643.966	469.361053
## 12911	1970.331	6776.726	19.032536
## 19896	3450.156	6858.334	198.845276

## 8217	3329.592	6505.001	796.042603
## 17344	3488.251	6877.273	1076.172974
## 22298	3823.196	7382.883	1673.348145
## 12961	3906.107	7618.247	1085.037231
## 22050	3338.717	6549.000	1400.689453
## 7596	3332.696	6406.000	965.410400
## 376	3203.518	7215.441	569.824829
## 12671	3659.190	7418.848	1650.014771
## 6886	3984.594	7497.615	933.126282
## 16227	3450.747	6731.667	908.028320
## 7710	2942.773	7187.136	281.505829
## 15102	3614.139	6883.537	1196.278687
## 20194	3774.027	7288.359	630.825012
## 3599	3799.294	7509.375	1683.579834
## 1585	3830.715	7385.456	1456.732056
## 22089	3941.237	7545.514	1954.366821
## 11968	3838.037	7450.683	178.043274
## 2625	3315.910	6521.000	836.184265
## 17677	3310.538	6596.000	396.795624
## 3211	3842.350	7509.212	646.128601
## 19941	3402.340	6568.518	622.591675
## 18604	3975.452	7435.016	1146.615723
## 22231	3850.540	7212.792	847.446838
## 5911	3412.114	7117.615	541.756714
## 11286	3629.212	7082.955	1377.440430
## 17704	3578.471	6986.109	209.591141
## 19713	3627.512	7130.208	1237.256348
## 13678	3642.977	7050.000	1114.607666
## 2834	3804.569	7371.552	1193.682129
## 14816	3914.016	7443.263	942.112671
## 8450	3324.484	6534.001	478.751465
## 2566	3606.386	7177.196	918.520142
## 544	3772.969	7544.472	979.446960
## 11323	3903.597	7423.430	1776.498291
## 8672	3717.713	7191.812	2103.144287
## 1919	3615.823	6942.682	1076.995361
## 8804	3575.894	7000.626	910.631897
## 13858	3717.208	7228.572	1856.404907
## 14158	3602.986	7099.420	1314.998535
## 6931	3453.024	6757.034	546.528076
## 11160	3364.783	6363.000	1676.563354
## 5589	3448.567	6788.711	752.888550
## 11903	3756.608	7325.357	517.704041
## 9792	3594.125	6992.684	1213.980103
## 14991	1758.662	7198.640	79.645432
## 4751	3659.886	7239.150	1226.950439
## 19615	3338.128	6618.001	702.144592
## 21656	3508.325	6757.814	408.678009
## 19505	3627.921	7480.335	694.807312
## 22451	3642.884	7036.733	1406.478394
## 21701	3666.019	7104.167	979.180542
## 9916	3360.015	6523.001	1525.997070
## 12396	3254.422	6683.654	979.774963
## 4620	3359.325	6396.000	617.010315

## 10318	3783.937	7425.321	1099.535889
## 5737	3794.863	7408.064	2056.972412
## 11587	3569.974	7192.922	1203.055542
## 13020	3774.155	7630.861	1265.897461
## 12771	3681.899	7338.136	2160.174561
## 17766	3358.713	6376.000	1612.648682
## 17597	3656.266	7280.737	580.174561
## 19558	3678.365	7136.111	1457.082153
## 14781	3564.130	7077.500	763.124084
## 13961	3577.083	6948.028	1760.808594
## 21057	3722.257	7251.666	1273.590698
## 3728	2007.810	6532.408	282.608704
## 16803	3504.946	6834.560	1154.825806
## 17982	3316.057	6845.692	482.708069
## 15725	3740.365	7236.956	1136.574707
## 21699	3715.053	7256.140	1466.618896
## 15014	3207.052	6268.000	184.274628
## 13542	3874.984	7514.288	1895.806763
## 3277	3783.207	7572.351	1287.420776
## 18830	3353.561	6418.000	1250.785889
## 11324	3875.274	7404.389	1509.947754
## 20642	3541.236	6723.531	1253.957031
## 8719	3330.951	6519.000	254.907761
## 16666	3755.027	7445.255	1247.516968
## 14916	3892.570	7561.613	1079.691895
## 11894	3779.020	7453.694	627.815491
## 6178	3528.856	7055.264	488.217224
## 9363	3553.053	6936.488	1506.976685
## 7456	3498.886	6737.500	198.247177
## 16052	3915.788	7707.611	1244.708008
## 20593	3422.103	6656.251	1295.149414
## 12769	3329.683	6692.308	1142.981689
## 16532	3864.784	7626.072	1030.019287
## 21317	3824.004	7492.541	877.301758
## 6434	3698.152	7229.236	1251.901978
## 5030	3218.656	7134.885	278.286102
## 9265	3520.796	6995.947	1309.015991
## 2153	3589.302	7049.999	1304.178467
## 663	3737.933	7350.000	1418.801880
## 961	3571.697	7082.317	621.959595
## 9152	3674.044	6992.307	1379.005127
## 12637	3424.656	6635.715	1121.499146
## 5711	3939.072	7627.667	1195.075073
## 16353	3236.886	6646.999	1069.165283
## 19528	3883.629	7516.770	1841.791870
## 17300	3287.635	6560.000	460.214630
## 19055	3411.969	6546.298	901.519592
## 17872	3863.152	7581.119	1307.229492
## 4964	3752.395	7307.973	1400.880981
## 13553	3366.042	6612.965	424.258820
## 5824	3752.928	7304.849	1385.986694
## 10244	3544.250	6896.250	452.466217
## 10329	3574.764	7084.755	963.825134
## 8245	3862.402	7529.438	1508.437622

## 6730	3821.303	7513.489	1447.831543
## 1454	3694.624	7114.815	797.780029
## 371	3305.234	6487.000	638.634338
## 28	3345.738	6476.000	570.144714
## 19213	3733.476	7208.476	1205.103516
## 10613	3572.084	6921.710	1790.778198
## 4508	3647.426	7195.313	637.066528
## 9061	3440.211	6645.689	750.717773
## 21824	3816.938	7579.472	933.378784
## 12223	3884.296	7528.473	1930.814941
## 12096	3823.339	7408.929	1931.330688
## 519	3536.755	7338.283	405.862671
## 20071	3316.625	6537.001	333.984955
## 22154	3565.946	7366.250	1380.042358
## 3370	3463.192	6767.743	1065.530151
## 16144	3668.292	7695.123	765.848755
## 10446	3362.757	6323.001	984.346680
## 20644	3833.612	7438.862	1720.865601
## 21305	3340.431	6475.962	131.237503
## 1012	3700.141	7228.873	1486.347534
## 11890	3335.653	6459.000	315.607483
## 36	3358.463	6571.154	765.686157
## 19290	3853.278	7547.516	1228.920654
## 1912	3584.163	7067.262	860.677979
## 16712	3269.526	6662.001	158.110016
## 18606	3985.559	7402.523	1004.316101
## 21101	3469.447	6715.323	858.693481
## 6427	3487.561	6832.815	1278.526489
## 20257	3588.215	7009.303	447.096893
## 2673	3926.818	7760.545	1094.750732
## 15284	3718.588	7168.641	1142.825806
## 6082	3943.540	7656.605	1655.650757
## 5081	3333.498	6570.001	705.205933
## 9880	3673.562	6964.362	939.496216
## 11078	3909.540	7562.969	1675.057861
## 16792	3591.003	7147.160	582.603516
## 16764	3387.686	6806.898	1536.611450
## 21676	3518.482	6717.425	1411.125610
## 19254	3853.977	7379.097	1238.978271
## 2707	3641.184	6788.775	841.005676
## 19905	3699.874	7285.344	1036.489746
## 5076	3773.301	7660.902	1507.219360
## 15132	3609.577	7083.523	945.432617
## 5063	3360.608	6478.000	860.226807
## 258	3325.817	6599.001	1067.181030
## 16868	3592.798	7086.904	1211.599243
## 2112	3927.817	7499.266	1015.851685
## 2355	3346.314	6581.000	1076.897583
## 5093	3937.056	7659.940	1351.497681
## 8384	3759.435	7490.527	1309.379883
## 13438	3721.334	7362.999	306.703674
## 597	3347.143	6726.853	1029.327759
## 19797	3721.841	7169.299	1169.030518
## 18300	3428.947	7135.001	550.851318

## 146	3709.459	7125.455	705.676147
## 878	3817.700	7547.208	1255.018799
## 12916	3338.554	6548.000	687.543701
## 4839	3348.177	6540.001	2590.560547
## 15715	3659.112	7098.560	1865.866577
## 18553	3955.508	7566.901	1379.276123
## 16075	3636.978	7278.750	1283.402222
## 7165	3313.784	6028.000	389.573059
## 21439	3676.196	7422.589	447.473969
## 16596	3776.525	7546.541	1083.486450
## 16099	3370.829	6762.037	3074.898682
## 5651	3891.494	7570.053	1162.768799
## 17194	3297.055	6507.001	814.608582
## 8726	2867.162	7154.902	50.827847
## 5327	3706.833	7208.064	1696.810669
## 14411	3884.400	7541.460	1459.192627
## 19669	3526.476	6955.127	2461.258301
## 1592	3903.163	7680.198	1062.877563
## 17578	3641.852	7276.723	238.342438
## 18140	3266.378	6647.001	662.201965
## 8350	3506.331	7150.581	198.114853
## 10853	3429.650	6758.621	1560.209473
## 2071	3782.593	7525.545	1792.812622
## 10674	3349.294	6607.692	385.028320
## 3388	3736.874	7341.843	1234.225586
## 18854	3855.044	7343.164	1639.935181
## 14167	3680.337	7321.429	784.752441
## 16369	3640.015	7039.999	955.959778
## 17367	3783.932	7361.418	1244.297852
## 6546	3363.815	7000.695	324.052429
## 11464	3391.384	6463.463	952.857727
## 16665	3795.435	7531.603	1101.102783
## 10361	3908.466	7528.607	1135.218384
## 18499	3348.867	6516.347	875.066467
## 4151	3650.335	7206.355	1950.117432
## 7279	3853.230	7478.050	622.377014
## 13363	3480.492	6756.452	1047.979858
## 18037	1739.751	6630.557	236.766571
## 1145	3939.787	7596.731	1533.118042
## 9432	3777.062	7493.695	1371.213013
## 19007	3244.760	6572.000	158.219193
## 14700	3825.688	7711.715	1395.307373
## 11097	3902.305	7585.708	1226.279175
## 17114	3580.119	6917.856	168.683716
## 22245	3566.838	7026.787	939.232117
## 13702	3834.862	7347.071	1210.765015
## 20388	3955.340	7497.062	1445.428833
## 20110	3447.262	6650.863	852.386475
## 1535	3911.301	7736.039	1414.058838
## 17891	3761.942	7372.001	1646.393799
## 14446	3489.219	6984.147	766.523071
## 8560	3656.069	7152.314	1009.543274
## 15337	3732.494	7418.839	1241.088135
## 22073	3754.753	7098.789	1238.736816

## 4672	3527.384	6915.002	2012.151733
## 18745	3416.356	6647.323	847.210388
## 9966	3362.580	6512.036	837.404724
## 8129	3531.078	6967.106	252.066010
## 3614	3412.602	7050.000	778.425598
## 19436	3712.011	7242.796	1357.235107
## 4812	3510.449	6974.308	1111.856201
## 16908	3654.031	7275.001	1321.840698
## 10628	3531.621	7004.729	1192.536743
## 7514	3787.970	7422.025	2144.517090
## 20422	3969.312	7451.651	1176.704346
## 19061	3358.929	6465.001	1437.086182
## 8868	3809.882	7506.489	1201.203125
## 20078	3327.867	6562.000	760.673645
## 7422	3774.833	7334.742	674.003296
## 11502	3799.425	7529.413	971.914246
## 1849	3733.137	7296.483	927.719971
## 8699	3660.631	6909.239	848.883301
## 2634	3870.720	7519.769	1199.634766
## 15758	3578.935	6957.051	1005.878784
## 12890	3777.953	7475.001	1098.899048
## 4800	3592.429	7184.896	679.268372
## 265	3465.461	6836.719	2114.531494
## 7025	3746.191	7317.943	1058.349365
## 10990	3567.283	6788.817	1122.532104
## 5517	3456.115	6843.549	1869.882568
## 15373	3284.218	6634.000	257.670898
## 2375	3881.196	7553.438	2444.713867
## 15360	3830.657	7464.147	1154.038330
## 4331	3853.425	7644.936	1525.324463
## 2545	3906.804	7671.080	1083.170166
## 16229	3607.479	7052.326	770.163757
## 2626	3609.760	7107.388	1392.789429
## 6107	3598.348	7068.603	846.056213
## 7499	3894.545	7549.156	995.908569
## 9183	3377.294	6563.462	1256.979980
## 17804	3641.505	7200.000	597.670410
## 6682	3741.962	7008.202	1305.011353
## 20677	3266.155	6544.000	136.461227
## 974	3764.747	7399.052	988.329102
## 16672	3689.080	7253.880	1162.561523
## 8814	3335.919	6559.000	1459.197632
## 14439	3758.870	7302.335	941.105469
## 12518	3820.649	7704.541	1445.452026
## 2555	3853.062	7779.552	1240.690430
## 9841	3703.972	7298.747	1060.418335
## 4587	3645.179	7429.229	1471.975586
## 10081	3934.397	7564.289	1255.515747
## 14519	3811.250	7346.427	1025.664917
## 8674	3834.265	7304.293	1652.402344
## 18308	3534.310	6855.921	1571.078857
## 7800	3648.466	7215.198	1036.063599
## 20061	3756.344	7413.016	1188.118286
## 15641	3776.218	7530.885	750.751221

## 15379	3788.229	7713.185	1057.244751
## 13711	3614.741	6932.318	1330.349731
## 4723	3281.829	6628.000	1108.039795
## 4956	3302.486	6749.140	1554.392578
## 14109	3743.469	7205.593	590.495117
## 3800	3403.515	6716.667	1166.470459
## 20741	3930.639	7557.703	1592.515259
## 7914	3312.151	6447.999	1348.551147
## 13886	3385.054	6662.038	1420.471313
## 12400	3482.273	6993.055	550.246643
## 3782	3889.248	7581.180	1179.511475
## 20039	3710.936	7295.002	2212.604736
## 14068	3097.984	6649.001	24.553991
## 17820	3354.675	6292.000	244.677139
## 3843	3698.818	7229.712	1004.460632
## 17280	3322.127	6550.000	431.273468
## 14724	3773.506	7364.426	824.463989
## 8790	3325.742	6630.001	834.620300
## 3574	3889.766	7610.113	1562.688965
## 4452	3646.782	7251.819	1758.037231
## 15848	3895.650	7532.544	1526.975830
## 14619	3917.808	7757.458	2743.179199
## 18880	3819.805	7525.001	902.697449
## 9372	3681.080	7194.711	911.289429
## 20527	3240.097	6733.066	599.522034
## 21284	3869.074	7279.392	797.438110
## 21178	3966.875	7563.280	1375.779663
## 520	3300.873	6653.846	279.610809
## 5676	3786.235	7374.690	1046.126221
## 5520	3357.630	6551.853	833.432434
## 4945	3881.386	7605.063	1642.215698
## 270	3541.102	6954.054	1406.261597
## 11620	3484.849	6781.250	397.794556
## 18720	3764.888	7272.017	1292.847534
## 21356	3564.131	6853.949	1255.242798
## 15310	3374.395	6941.667	515.379700
## 17652	3576.793	7026.703	496.407837
## 16115	3679.010	7012.500	159.174866
## 5486	3554.450	6887.500	860.188110
## 1790	3719.552	7259.091	4081.496094
## 16329	3412.665	6212.038	266.338013
## 11971	3571.493	6726.786	59.939877
## 19629	3465.149	6907.033	661.447754
## 15403	3745.734	7231.151	862.290588
## 16519	3796.800	7429.335	801.760986
## 8921	3928.431	7683.118	1402.252319
## 6634	3821.831	7243.969	1348.208740
## 6476	3770.042	7410.188	1676.157349
## 7544	3788.705	7437.130	625.571350
## 3934	3558.702	7074.375	988.983398
## 17619	3792.977	7555.902	1383.684570
## 9810	3744.317	7325.003	1231.292480
## 8173	3500.321	6887.501	751.715515
## 21381	3367.655	6438.000	1284.365234

## 12695	3787.864	7417.172	1580.249146
## 20821	3458.746	6742.502	913.506897
## 20025	3680.373	7107.354	1802.166138
## 12433	3626.150	7082.977	1020.896301
## 8631	3864.082	7576.480	1806.291016
## 7050	3621.882	7022.000	1021.465698
## 8549	3403.348	6825.001	1223.608521
## 3660	3628.228	7065.556	708.376709
## 14065	3873.719	7520.722	1560.661133
## 15142	3338.550	6515.001	277.824982
## 13336	3919.219	7548.596	1276.356323
## 20929	3529.862	6940.384	263.732819
## 14531	3747.192	7412.350	1010.536011
## 537	3448.311	6791.667	1130.049438
## 8680	3421.539	6606.035	964.920532
## 11387	3346.792	6447.000	2564.685547
## 21136	3849.114	7417.548	1372.510376
## 10129	3323.459	6549.001	989.399780
## 2910	3716.631	7222.580	733.064148
## 381	3629.618	7295.886	147.487366
## 13325	3892.983	7567.796	1579.713867
## 20719	3420.171	6710.001	848.951111
## 9551	3433.583	6676.726	285.785095
## 22516	3627.286	6987.792	1805.172119
## 15940	3890.753	7690.970	1184.426880
## 6995	3674.781	7079.591	2167.985107
## 22517	3589.841	6916.027	2916.407227
## 3472	3688.252	7172.597	812.071350
## 18202	3395.337	6911.875	90.397591
## 14911	3340.708	6479.000	883.693420
## 1687	3912.546	7630.531	1335.370850
## 4471	3459.855	6775.000	1130.563599
## 17130	3845.631	7652.753	1146.636963
## 272	3342.371	6635.578	1102.007812
## 12191	3309.343	6462.963	589.263794
## 10345	3654.768	7335.898	1218.434448
## 8284	3441.222	6675.862	719.312256
## 3151	3808.326	7497.972	1258.800293
## 3140	3502.311	6642.187	499.942871
## 6547	3680.782	7313.093	349.158630
## 15422	3777.297	7496.704	651.992188
## 9942	3873.863	7428.236	1268.345337
## 17327	3395.865	6716.667	3637.299072
## 15489	3697.963	7317.337	1608.084473
## 19101	3856.059	7409.555	1417.166260
## 19486	3825.018	7347.531	1600.736938
## 20909	3861.368	7492.564	1109.899048
## 5083	3772.793	7587.618	971.947693
## 18066	3826.263	7499.285	1907.308960
## 16989	3479.838	7028.472	1420.453613
## 77	3460.578	6956.081	801.391113
## 9803	3402.046	6580.357	1341.281372
## 12211	3262.667	6529.000	254.448608
## 1319	3380.181	6470.001	1319.843872

## 17020	3330.635	6532.001	662.660461
## 1825	3489.037	6885.811	1004.201965
## 20725	3801.821	7400.250	1099.986938
## 16406	3328.569	6594.000	985.051392
## 5432	3765.048	7332.434	939.231201
## 9093	3685.381	7112.745	948.335449
## 16970	3513.125	6946.528	64.750107
## 14689	3800.471	7543.818	1425.861450
## 15776	3350.218	6531.000	834.279907
## 2386	3794.532	7409.161	1370.435669
## 12081	3868.165	7511.241	1445.076050
## 2753	3664.292	7293.562	3729.969971
## 8821	3597.656	7090.699	1796.090576
## 7399	3887.828	7498.711	846.940491
## 3243	3802.515	7400.639	822.372864
## 20995	3839.734	7428.461	1621.489136
## 13726	3675.168	7112.748	967.835510
## 8510	3401.874	6796.553	573.521057
## 21336	3339.028	6511.001	2661.558350
## 15562	3460.074	6797.658	1172.321655
## 14034	3870.673	7696.672	1450.155151
## 16191	3767.669	7476.436	1534.740601
## 4463	3423.608	6678.333	943.604858
## 9526	3361.056	6431.000	1925.936768
## 14866	3506.470	6925.694	1527.634277
## 17588	3653.144	7225.893	903.343750
## 18438	3925.156	7517.200	1346.706665
## 18905	3719.536	7256.666	919.778198
## 1899	3890.017	7701.433	1453.539673
## 13118	3838.046	7519.513	1746.592041
## 3583	3842.248	7526.290	1510.854980
## 10026	3370.859	6359.000	1168.102417
## 1680	3920.404	7690.818	1108.126953
## 16126	3335.150	6582.693	1097.341919
## 7141	3877.283	7490.718	2079.132568
## 4351	3863.171	7551.009	1395.731934
## 21126	3720.485	7205.417	1325.054932
## 22211	3929.865	7451.847	1274.050537
## 16523	3595.091	6994.048	1060.239258
## 13569	3711.398	7350.375	1450.196777
## 20153	3485.142	6775.002	1268.923828
## 3059	3706.259	7362.098	961.046875
## 12097	3653.086	7039.289	2184.158203
## 2893	3811.478	7385.846	1488.164185
## 16840	3449.991	7030.714	1985.104004
## 13259	3906.021	7574.828	1614.556152
## 5187	3639.500	7011.111	1767.508179
## 10974	3700.135	7137.501	1025.940063
## 16263	3534.239	7012.162	1316.654541
## 18562	3951.936	7480.497	1275.605347
## 15856	3409.406	6753.333	60.814335
## 14586	3812.586	7537.417	1056.222778
## 2043	3635.439	7206.250	1458.274902
## 137	3611.019	6708.751	537.231873

## 2756	3841.421	7423.197	1213.790039
## 1670	3767.642	7482.903	1062.334839
## 15543	3760.445	7331.885	1569.001831
## 22478	3608.091	7076.191	2180.775146
## 12491	3652.228	7359.324	1879.234009
## 11090	3927.495	7585.043	1100.118042
## 21547	3850.782	7493.959	935.089905
## 13712	3565.656	6809.030	712.286133
## 22306	3365.278	6532.000	2026.881714
## 17965	3346.480	6605.999	169.466721
## 5952	3602.775	7076.063	532.852356
## 6761	3895.461	7734.312	983.910095
## 3661	3712.216	7259.837	895.495056
## 1743	3746.191	7369.256	1570.429565
## 12739	3586.760	6968.750	1465.998169
## 22030	3690.234	7170.614	1548.156738
## 6127	3344.434	6476.000	636.148560
## 4038	3357.550	6707.144	1333.535400
## 94	3329.711	6550.000	625.969910
## 17254	3725.327	7274.628	1580.152466
## 19156	3772.904	7162.313	1242.173340
## 9131	3930.700	7428.890	1923.792603
## 17246	3463.402	6978.750	186.427643
## 9544	3888.087	7559.840	1199.568604
## 3010	3777.535	7425.874	1210.067627
## 16578	3341.855	6870.589	592.275330
## 11809	3354.071	6487.001	682.973755
## 9487	3657.793	7102.659	1147.236694
## 4777	3356.174	6439.000	2020.036499
## 16206	3799.373	7523.251	877.293762
## 13738	3701.893	7198.214	1289.051392
## 20002	3896.664	7401.095	1993.278809
## 11127	3936.090	7556.633	1396.021851
## 7747	3636.520	7093.477	1295.641235
## 5555	3344.168	6402.001	2052.284668
## 1843	3596.179	7136.667	1184.342651
## 3045	3519.540	6968.181	507.850372
## 3367	3600.832	6997.729	900.688782
## 4759	3719.282	7242.063	711.371216
## 8813	3511.869	6961.111	625.362549
## 5014	3723.494	7376.922	2010.202637
## 8157	3329.972	6688.711	149.807861
## 17902	3945.003	7580.477	1715.996582
## 7342	3827.827	7437.027	875.407532
## 13473	3656.237	7096.278	1575.268433
## 1965	3905.141	7752.797	1298.102539
## 21282	3639.493	7386.805	606.096436
## 10590	3538.102	6880.150	2045.460083
## 14850	3884.689	7566.707	840.284302
## 21869	3356.129	6537.000	2080.225342
## 17798	3709.984	7014.084	263.692719
## 11012	3454.240	6528.448	617.689636
## 2642	3818.603	7589.912	1316.244385
## 15703	3603.690	7194.502	983.916809

## 15042	3331.757	6876.473	257.780609
## 14766	3491.130	6862.123	1861.162354
## 19435	3735.514	7258.712	922.684021
## 7290	3356.324	6332.000	1114.181519
## 11241	3841.454	7484.874	2195.218262
## 2021	3692.771	7365.476	1063.527588
## 20114	3762.362	7225.000	882.052795
## 9008	3853.229	7611.877	1506.432251
## 4281	3772.865	7402.383	1081.817871
## 14018	3315.951	6632.143	676.553223
## 2887	3808.145	7536.376	781.266479
## 6843	2820.638	6710.186	121.612900
## 14295	3809.461	7444.013	1810.962646
## 11	3384.607	6509.615	541.736389
## 15948	3568.396	7102.440	730.044556
## 16708	3496.442	6945.590	961.319885
## 21560	3633.511	7291.666	945.626648
## 3467	3658.298	7194.499	959.231689
## 2500	3907.117	7591.335	1005.264709
## 14232	3296.203	6523.000	292.582092
## 14019	3555.404	7050.610	736.925415
## 15840	3424.416	6747.500	122.678413
## 16990	3496.602	7101.876	1110.244751
## 8320	3475.049	6843.183	836.314392
## 19067	3564.357	6828.473	1120.119995
## 4673	3637.533	7032.608	1020.187317
## 17381	3397.361	6795.002	415.125427
## 5678	3797.516	7383.418	2019.021729
## 19175	3539.303	6733.824	1163.638550
## 1445	3761.237	7277.820	1295.416626
## 22097	3390.801	6612.038	1442.690552
## 4611	3903.538	7578.744	666.939697
## 10300	3318.546	6589.999	793.658813
## 11633	3847.187	7378.125	1118.321289
## 4001	3763.712	7254.939	1312.348633
## 10551	3654.826	7286.111	1056.000122
## 13665	3722.135	7344.612	1199.235107
## 10690	3504.923	6763.636	945.816956
## 21984	3587.512	6709.459	2650.567383
## 6272	3803.273	7469.892	1739.221069
## 21848	3430.133	6644.643	1623.389771
## 4250	3499.312	6873.487	1472.009521
## 20724	3635.038	7146.938	596.027588
## 15770	3837.563	7432.246	898.293701
## 21721	3762.838	7380.559	1021.079956
## 3335	3613.939	6984.662	991.545898
## 2782	3353.158	7496.289	790.579468
## 8022	3339.146	6348.001	1604.308594
## 3085	3574.968	6924.360	1074.504272
## 9804	3337.864	6510.999	1673.559326
## 11775	3371.947	6641.667	371.763062
## 6581	3528.583	7042.766	459.509918
## 3138	3364.734	6404.001	910.797485
## 3540	3725.535	7326.560	1112.516968

## 755	3349.132	6484.000	701.696411
## 6993	3673.775	7064.062	2234.462402
## 16810	3786.936	7479.123	1991.989990
## 15849	3437.947	6745.001	250.364395
## 7190	3507.982	6771.215	1366.593506
## 15466	3421.615	6622.415	147.096039
## 185	3614.290	7344.045	312.923248
## 17960	3711.632	7079.237	1273.692017
## 1730	3833.478	7731.366	1082.133179
## 7792	3752.145	7248.975	370.111908
## 14703	3540.868	7105.627	1342.026367
## 19536	3834.624	7204.218	1045.863037
## 3094	3915.499	7624.002	1162.359741
## 4115	3635.451	7114.534	3213.817871
## 16979	3771.093	7412.662	1373.210938
## 13530	3699.197	7439.475	477.025635
## 7236	3385.791	6962.196	287.353363
## 8422	3566.873	7070.930	789.824219
## 19338	3225.566	6829.545	72.119667
## 21774	3317.563	6280.001	811.541016
## 9617	3402.940	6602.585	1696.768799
## 3401	2517.324	7464.850	595.769287
## 10597	3849.052	7558.473	1579.453369
## 12905	3313.227	6614.000	1707.068359
## 13969	3918.656	7544.445	1366.881592
## 11060	3418.208	6544.643	1443.712891
## 22147	3712.342	7411.934	880.774170
## 3541	3706.754	7331.049	1101.023804
## 5427	3833.980	7319.847	667.604370
## 18146	3509.713	7120.625	571.578247
## 11317	3441.726	7153.409	1832.504150
## 4214	3722.136	7582.038	1471.325684
## 17649	3274.051	6522.000	91.352722
## 21428	3633.205	7476.891	688.220276
## 9569	3505.724	6739.394	1175.566895
## 14480	3860.559	7556.499	1844.857056
## 8907	3475.588	6579.839	1220.200562
## 1804	3315.057	6439.000	1275.610596
## 8240	3872.208	7411.198	1229.878174
## 13393	3677.802	7016.146	1561.716187
## 209	3663.649	7163.237	1047.701782
## 8909	3812.811	7280.113	1569.713013
## 3121	3315.131	6546.001	683.250488
## 1443	3730.910	7235.228	1035.444092
## 2780	3813.202	7447.899	1193.411987
## 112	3316.135	6599.001	736.213867
## 6473	3510.792	6815.442	1692.643188
## 22421	3432.936	6608.035	1557.794556
## 10254	3356.694	6364.001	1059.241211
## 18280	3944.613	7613.705	1304.280762
## 9374	3654.927	7270.615	1194.333740
## 7679	3369.826	6367.999	1468.119019
## 12276	3486.551	6835.608	1826.105713
## 742	3593.660	7126.164	976.865051

## 18288	3953.863	7660.183	2006.280884
## 2878	3915.499	7545.899	1491.964111
## 15113	3355.025	6465.001	357.056580
## 16642	3769.151	7547.318	1243.324585
## 13802	3685.793	7345.833	703.835022
## 14212	3729.280	7302.240	1656.016968
## 18292	3937.331	7620.557	1579.295410
## 11402	3710.352	7511.829	746.861572
## 7108	3832.797	7493.225	634.601990
## 8348	3330.986	6552.000	610.436340
## 9176	3549.127	6864.190	1052.290283
## 17266	3539.266	6887.144	2898.076904
## 4911	3699.142	7323.828	1037.883057
## 13279	3736.520	7109.559	1111.713013
## 13164	3451.291	6648.276	846.106323
## 5406	3926.753	7732.234	1132.521484
## 7813	3317.050	6469.000	374.777283
## 11834	3463.056	6889.585	162.224838
## 20487	3932.242	7548.445	1304.444214
## 7818	3314.878	6583.001	286.260162
## 19150	3667.954	7116.327	1017.929382
## 10250	3583.287	7223.891	2443.768311
## 12675	3583.588	7262.245	1515.136108
## 8643	3477.244	6857.239	918.096497
## 1747	3827.380	7573.347	1070.000977
## 7790	3540.898	6909.724	595.725647
## 16691	3442.776	6684.168	1330.995972
## 15660	3675.831	7146.569	874.149902
## 16193	3721.651	7007.770	373.908295
## 14926	3453.733	6481.034	1381.933594
## 13040	3353.735	6626.000	1299.080322
## 11243	3351.260	6357.000	1351.525757
## 20343	3941.991	7521.911	1526.140137
## 8637	3819.474	7343.067	1588.811890
## 21242	3528.544	6871.429	1044.200928
## 7133	3982.667	7546.217	1099.178833
## 4605	3783.547	7467.046	1266.603027
## 18806	3909.749	7613.641	1077.653687
## 7337	3583.419	7252.823	223.138474
## 6115	3502.723	7368.255	580.204163
## 6543	3297.191	6671.297	131.076050
## 21363	3849.757	7448.074	1390.538208
## 21746	3700.228	7401.976	367.727722
## 21067	3851.900	7400.966	1475.468506
## 18124	3924.239	7549.281	1713.729492
## 12166	3445.014	6556.036	1884.254883
## 13510	3790.087	7633.406	1106.745972
## 7581	3984.524	7587.825	1732.423584
## 16228	3334.727	6555.000	721.543457
## 22437	3889.998	7396.000	1496.877808
## 259	3738.849	7387.501	1964.202026
## 6302	3863.542	7616.708	1603.367554
## 9602	3457.279	6737.904	1187.744019
## 20229	3704.926	7266.860	572.234863

## 10421	3723.352	7432.749	1295.475342
## 4382	3223.960	6553.001	363.283691
## 16083	3734.362	7288.845	1084.902954
## 2628	3855.228	7720.796	967.388916
## 8539	3329.627	6587.000	216.282791
## 6037	3960.935	7600.806	1523.757568
## 2185	3842.281	7463.013	1071.175781
## 18622	3855.156	7465.910	1388.144653
## 21741	3756.491	7414.246	948.451660
## 18045	3583.206	6787.209	309.757812
## 10433	3564.345	6911.187	496.565216
## 11794	3758.741	7439.097	201.052948
## 10062	3976.152	7549.664	1579.902954
## 11233	3297.429	6641.346	1251.386963
## 16545	3403.776	6956.818	1862.651001
## 5043	3703.604	7337.890	1698.913940
## 4886	3527.206	7018.245	1453.887329
## 78	3689.380	7332.246	589.731445
## 2650	3739.555	7273.015	1430.884644
## 4203	3751.891	7411.172	1516.631470
## 2132	3726.113	7644.468	937.199097
## 616	3537.049	7088.158	1963.482422
## 21222	3371.832	6355.001	1257.552612
## 4838	3794.643	7475.273	1927.455444
## 15963	3163.962	6515.999	75.235573
## 18048	3427.161	6554.464	585.967346
## 4034	3818.737	7577.415	2165.677246
## 1376	3401.902	6569.445	1163.271851
## 967	3599.148	7066.860	1212.486572
## 4598	3691.364	7316.667	1049.729126
## 179	3819.086	7560.886	1819.664795
## 12741	3318.844	6591.002	617.892090
## 21780	3732.896	7193.151	809.016785
## 10643	3754.684	7377.398	1385.507202
## 15071	3588.300	6935.899	1845.418945
## 7388	3953.452	7326.419	1265.823486
## 10447	3375.710	6802.420	238.218338
## 20869	3611.432	6900.608	1035.066772
## 1653	3865.771	7659.862	915.954163
## 17761	3337.684	6408.999	713.156433
## 6456	3604.854	6980.488	438.963470
## 12914	3484.153	6825.000	848.140869
## 6967	3521.684	7237.288	711.002869
## 17519	3433.334	6793.334	1220.316040
## 22308	3751.768	7337.120	1349.549561
## 19285	3423.841	6760.000	1514.993896
## 19005	3528.382	6951.284	211.831894
## 1277	3619.449	7033.139	693.311401
## 355	3592.480	7135.121	897.259949
## 22132	3529.577	6770.714	1661.860596
## 13768	3832.426	7518.497	2129.442871
## 15853	3339.967	6447.002	1369.259644
## 3399	3344.907	6532.000	1036.422119
## 14790	3391.896	6586.113	1124.385742

## 12803	3716.892	7307.788	1765.544067
## 1037	3770.859	7156.986	1295.065186
## 11676	3575.467	6892.950	1223.197632
## 2603	3532.515	6659.093	830.723694
## 2905	3878.476	7573.912	814.963806
## 20608	3691.123	7085.501	1555.146118
## 15307	3774.712	7645.499	1119.942139
## 20284	3915.232	7591.902	1515.292725
## 5433	3825.058	7343.885	1076.701294
## 15190	3358.564	6405.001	800.641724
## 3840	3905.234	7715.156	1625.940796
## 4568	3352.700	6357.001	874.221985
## 5452	3720.724	7541.532	828.197205
## 7541	3462.146	6845.312	99.703178
## 9560	3788.170	7436.251	1269.562012
## 6030	3989.864	7503.693	1783.846802
## 7407	3329.186	6582.001	645.493286
## 9669	3575.539	6891.449	1605.574463
## 5422	3375.211	6473.078	331.490570
## 18369	3335.184	6456.001	1328.796875
## 15966	3661.222	7059.895	1514.754761
## 2211	3318.188	6521.001	842.188904
## 13714	3626.095	7069.887	1835.061035
## 14988	3740.134	7101.228	1850.280884
## 16570	3315.491	6542.000	929.184570
## 17599	3807.232	7363.001	1538.001587
## 16362	3382.140	6804.310	921.726257
## 20951	3454.887	6731.453	722.186401
## 10725	3660.737	7116.836	797.779358
## 15606	3610.975	7089.446	1115.860840
## 2448	3732.673	7323.242	1349.251099
## 21324	3735.506	7558.944	1082.918701
## 22092	3890.839	7465.262	1235.419067
## 876	3717.617	7402.220	1237.026489
## 10908	1599.357	6892.189	0.010117
## 13275	3914.529	7558.750	1643.364014
## 16211	3702.059	7345.715	1136.697754
## 12208	3943.936	7641.215	1741.420044
## 20834	3485.158	6765.323	1169.063599
## 458	3614.959	6945.746	1213.154297
## 774	3419.065	6558.621	876.218506
## 13713	3560.458	6889.474	444.969940
## 3412	3913.858	7653.267	1535.948242
## 2898	3848.933	7519.271	1134.867554
## 1441	3875.801	7493.843	1240.075439
## 21939	3926.979	7638.011	1308.310913
## 3383	3470.755	7043.183	841.663757
## 16333	3584.951	6901.283	2096.252197
## 22031	3659.875	7072.597	2091.310547
## 5537	3654.794	7038.298	2482.435059
## 13335	3929.651	7550.219	1261.835815
## 206	3616.632	6889.882	589.833374
## 17470	3785.891	7426.670	3466.961914
## 21776	3881.094	7572.003	805.501526

## 16274	3685.521	7307.916	1062.447998
## 610	3895.969	7581.522	1018.539856
## 15049	3328.891	6622.000	1406.055054
## 5237	3791.303	7646.514	1793.767822
## 9548	3730.035	7221.775	608.260315
## 1295	3331.024	6603.000	655.391663
## 19630	3350.877	6412.001	760.129211
## 18042	3715.368	7421.721	605.803162
## 19771	3329.471	6533.001	920.020996
## 8517	3878.846	7569.097	1257.512939
## 17244	3400.803	6536.110	1900.869019
## 2888	3905.076	7576.191	1445.834717
## 13241	3768.331	7487.497	2031.637695
## 22285	3741.410	7252.691	1424.891235
## 20447	3548.926	6950.642	1249.708252
## 623	3325.357	6643.000	1309.099976
## 2408	3799.691	7251.269	983.897461
## 22439	3356.202	6346.000	1808.531250
## 19356	3383.531	6532.691	2729.898682
## 750	3627.940	7132.778	810.313110
## 233	3756.282	7368.921	1717.948730
## 16943	3740.099	7461.470	629.215515
## 18322	3402.366	7057.641	1595.682495
## 4597	3528.196	7037.164	1985.824951
## 14234	3374.771	6564.424	1157.510254
## 19734	3349.796	6428.000	1487.447510
## 17457	3276.530	6475.000	1714.500610
## 5115	3891.849	7524.124	1158.774170
## 6901	3658.733	7605.033	603.582214
## 2768	3856.613	7510.549	1298.262329
## 5146	3795.925	7359.878	948.118774
## 3719	3915.121	7686.518	1599.577148
## 9117	3327.831	6498.001	2125.047363
## 6698	3753.729	7428.410	1366.293945
## 13708	3372.000	6419.000	295.274658
## 17940	3843.010	7445.595	1195.235718
## 10285	3315.824	6596.001	108.862915
## 5899	3960.184	7560.351	1233.067505
## 21252	3598.420	7386.317	437.003326
## 14371	3495.048	6732.032	799.936096
## 19480	3363.186	6496.000	1166.762207
## 6902	3087.381	6681.483	95.508171
## 6357	3539.477	7220.370	387.225616
## 11940	3611.788	7022.094	874.454895
## 11515	3762.641	7410.337	1880.251709
## 2006	3813.437	7305.448	1131.014038
## 7836	3660.905	7460.184	299.156372
## 56	3431.806	6599.110	1063.563599
## 989	3813.219	7727.063	987.350769
## 15673	3621.064	7028.488	1298.525391
## 6795	3541.314	7028.846	806.156921
## 6494	3945.129	7633.749	1556.543823
## 6450	3699.120	7170.910	800.549133
## 13857	3530.986	6858.824	926.539246

## 17823	3613.366	6921.343	1286.272949
## 168	3851.871	7523.384	831.491699
## 21406	3346.232	6526.001	888.849426
## 10611	3847.321	7704.166	1397.230469
## 15121	3172.177	6734.615	1455.632568
## 16010	3228.127	6711.538	69.782867
## 16174	3304.696	6582.000	883.881531
## 10916	3326.200	6521.000	759.389587
## 18674	3541.294	6980.407	1083.693481
## 636	3782.239	7310.186	825.867493
## 7186	3849.039	7418.636	1836.009399
## 820	3852.479	7564.046	1229.373047
## 3422	3738.549	7604.633	1536.305786
## 8559	3740.946	7494.089	598.591980
## 4807	3369.348	6747.323	1421.875244
## 4397	3375.735	6201.923	277.364258
## 5977	3828.669	7570.534	983.233032
## 13867	3350.846	6548.000	1338.185303
## 6946	3513.344	7016.893	717.481873
## 18382	3258.067	6572.000	953.904297
## 10995	3830.290	7311.484	1253.972534
## 12557	3865.967	7595.668	1143.960449
## 14841	3496.216	6614.063	1308.438354
## 18131	3555.562	7059.460	1266.483765
## 15862	3532.870	6972.975	424.718597
## 15569	3906.311	7651.522	1611.379395
## 5931	3563.731	6938.817	1110.012695
## 11516	3436.488	6653.289	1159.802002
## 22022	3921.855	7626.298	1392.422607
## 5275	3407.706	7350.464	7.946158
## 9533	3392.966	6598.149	1452.649902
## 22351	3720.711	7340.909	2078.401855
## 12588	3610.640	7263.000	1230.612427
## 1168	3527.742	6872.369	839.116821
## 418	3277.551	6610.000	117.704544
## 9983	3581.456	7383.204	300.404724
## 18844	3360.300	6333.000	1558.209473
## 21938	3937.980	7630.946	1380.673218
## 11033	3509.455	6849.288	2157.362549
## 20806	3824.014	7519.107	1287.078125
## 3148	3744.778	7224.622	1128.158813
## 1045	3953.879	7679.665	1161.706543
## 1961	3309.691	7577.800	807.607849
## 17176	3354.949	6428.999	1590.178955
## 5572	3363.245	6374.000	1334.950928
## 17620	3681.556	7410.798	525.548706
## 1303	3697.818	7291.380	1090.167725
## 7426	3790.233	7476.336	611.982666
## 19625	3381.709	6623.149	652.294434
## 13635	3629.309	7042.443	994.862122
## 4934	3606.474	7144.023	846.532837
## 4835	3761.578	7490.886	586.625916
## 4970	3698.617	7441.439	277.219604
## 6045	3970.679	7578.553	1601.135010

## 5047	3680.409	7277.192	1187.936279
## 11565	3065.369	6424.000	1469.695068
## 18516	3678.181	7345.358	891.044495
## 4818	3332.358	6615.001	1661.094238
## 12072	3324.176	6577.002	1028.850708
## 5228	3886.121	7569.131	975.624390
## 328	3522.946	6813.973	1165.810059
## 62	3522.679	6905.556	566.908203
## 6711	3665.456	7241.349	530.910950
## 12657	3356.516	6549.000	872.446777
## 4171	3313.830	6440.001	1283.022583
## 21030	3768.568	7379.454	2046.148804
## 11827	3253.444	6672.320	106.474434
## 15033	3373.485	6409.000	1218.840820
## 21966	3392.243	6532.408	1686.792358
## 12017	3877.440	7614.235	430.490204
## 9821	3546.299	6898.651	2371.193604
## 15613	3935.647	7674.567	1280.698975
## 18852	3241.548	6460.000	654.918152
## 11912	3633.776	6693.645	130.158508
## 799	3347.594	6493.000	2836.324219
## 8727	3505.050	6844.119	216.542160
## 20126	3535.542	6765.442	712.263733
## 22100	3932.798	7535.807	1319.101562
## 20615	3350.639	6524.001	1293.771118
## 12082	3785.840	7356.023	1390.571533
## 9765	3764.252	7480.983	460.055878
## 2976	3838.339	7454.105	941.250244
## 12107	3933.198	7768.441	1881.165527
## 20517	3648.009	6969.150	478.532593
## 19794	3733.380	7196.185	992.934570
## 9857	3669.316	7051.595	2026.237793
## 19650	3339.800	6528.000	191.412781
## 13224	3871.621	7297.380	1472.517456
## 3228	3949.022	7689.993	1384.405762
## 9771	3667.547	6945.671	438.210175
## 15479	3842.606	7409.353	1265.385376
## 3252	3847.854	7667.468	1699.529907
## 22	3266.507	6320.999	37.536804
## 6900	3866.917	7603.652	1609.994751
## 3099	3808.562	7446.287	1504.957031
## 1565	3328.811	6448.000	1189.197876
## 8723	3327.538	6577.000	659.797974
## 11274	3726.670	7036.841	2034.827637
## 17297	3598.011	7433.118	681.621826
## 7905	3847.866	7652.436	905.487915
## 18820	3591.034	6989.204	1011.950562
## 14863	3380.708	6683.035	1060.942993
## 8658	3854.324	7414.319	1186.554810
## 16063	3427.496	6792.502	555.979919
## 22398	3247.234	6347.001	477.312073
## 13240	3380.511	6633.929	1047.810181
## 20195	3910.156	7460.438	1270.247925
## 7850	3434.166	6678.449	546.037598

## 16951	3732.916	7096.984	1190.867432
## 21035	3466.450	6804.548	250.222305
## 12817	3804.078	7504.790	1007.663696
## 5804	3617.645	6853.660	1524.821655
## 22473	3391.369	6597.320	685.531677
## 2607	3752.974	7445.536	1716.389526
## 22117	3876.939	7513.839	1131.004883
## 21760	3944.260	7766.859	851.061279
## 9778	3584.676	6948.782	846.135498
## 10217	3820.146	7697.408	1656.275146
## 10010	3949.634	7459.488	1457.850586
## 5309	3811.700	7423.387	1669.779175
## 6985	3700.118	7315.942	1115.630615
## 7713	3601.862	6955.625	1646.774414
## 4137	3742.526	7226.173	1499.967896
## 19298	3836.479	7597.059	1355.174072
## 12389	3582.404	7125.001	1925.638672
## 764	3402.313	6790.833	1903.430420
## 19764	3314.977	6662.964	88.736763
## 21750	3757.710	7377.875	953.300232
## 4174	3662.806	7134.134	1153.004639
## 17899	3373.080	6279.001	481.709869
## 6395	3340.869	6499.001	1424.242432
## 13692	3670.980	7080.208	1007.999512
## 16533	3885.609	7638.340	662.297363
## 10147	3843.081	7569.207	2025.275391
## 9080	3583.754	6919.080	1271.385132
## 4337	3854.927	7621.845	1423.803589
## 11875	3318.911	6603.001	435.524963
## 17206	3693.575	7333.108	639.810425
## 2620	3678.893	7263.637	1373.830688
## 6122	3850.592	7537.986	455.292572
## 4865	3348.403	6501.000	1578.292969
## 9757	3202.808	6561.999	215.770325
## 14864	3773.561	7363.291	1111.508423
## 4211	3562.880	7139.064	986.793335
## 14691	3885.227	7758.649	1563.837769
## 4560	3715.735	7452.745	1057.456787
## 7702	3869.669	7411.660	1017.965515
## 19077	3511.058	6823.485	1161.271973
## 1196	3395.086	6665.741	1219.314209
## 1839	3799.317	7537.734	1867.571289
## 6252	3335.811	6508.000	1167.736816
## 9129	3338.966	6459.001	1627.980469
## 22041	3767.671	7228.667	2321.124268
## 1006	3616.593	7101.693	1128.856689
## 1887	3847.488	7615.395	1400.902832
## 18136	3565.082	7023.720	1691.607544
## 11991	3395.103	6413.889	646.370361
## 884	3823.799	7449.089	1524.600342
## 19591	3361.762	6710.186	1122.172729
## 5868	3968.501	7644.616	1481.996582
## 22038	3351.812	6426.001	1781.607300
## 885	3802.865	7418.688	1353.573242

## 3451	3348.843	6560.001	2383.720703
## 13308	3388.598	6504.629	981.890259
## 19068	3591.029	6790.792	1192.915894
## 8926	3582.649	6861.876	2101.282715
## 12467	3582.144	7206.383	841.945862
## 21182	3821.322	7524.522	1271.152954
## 4025	3782.342	7560.448	1736.641846
## 17466	3712.702	7219.583	1399.697388
## 5924	3688.925	7060.785	939.760559
## 9479	3432.394	6641.072	2191.514893
## 1693	3866.711	7505.556	964.539001
## 6758	3812.206	7321.025	812.653564
## 19267	3846.990	7456.418	1562.352661
## 12136	3326.172	6568.000	903.404480
## 9465	3801.671	7394.118	1587.592407
## 2379	3857.292	7643.821	930.688599
## 2568	3807.551	7271.099	632.085632
## 2286	3557.101	7038.815	2609.707275
## 3852	3849.591	7689.332	1386.304565
## 7751	3623.965	7077.840	809.595581
## 1205	3833.633	7446.750	869.581238
## 10496	3453.567	6907.813	1264.865112
## 11428	3493.613	6832.576	827.843384
## 17145	3790.992	7423.296	1424.158813
## 21147	3443.101	6508.930	1458.207031
## 19542	3453.398	6674.326	1147.886719
## 16378	3797.300	7471.314	532.936096
## 6704	3756.872	7305.517	2265.079102
## 17621	3743.727	7472.883	996.604065
## 1252	3732.296	7296.969	1340.760864
## 2919	3649.034	7289.331	1221.809570
## 20485	3923.869	7424.467	1452.047729
## 15739	3822.305	7599.614	547.882690
## 10044	3941.337	7598.075	1409.274902
## 9263	3416.211	6865.153	165.887909
## 16310	3843.348	7502.378	1407.930054
## 17787	3761.970	7478.248	1729.167358
## 971	3320.897	6572.000	1187.344360
## 6978	3821.069	7399.749	695.813782
## 9888	3375.866	6585.577	1655.779053
## 2415	3792.113	7540.329	1686.164185
## 9160	3885.802	7693.812	2737.093018
## 13891	3503.113	6939.584	994.909302
## 12295	3357.198	6557.999	933.137634
## 18619	3469.425	6637.904	874.097473
## 16641	3280.693	6542.000	1265.932983
## 22363	3792.868	7242.858	1432.329590
## 19411	3530.122	6963.891	756.816406
## 19740	3900.674	7533.614	1497.357056
## 14722	3331.474	6562.000	525.597595
## 19263	3829.184	7504.086	1408.713867
## 6205	3557.037	6956.758	326.531982
## 7121	3804.782	7419.893	1513.880615
## 12572	3466.751	7050.000	1189.978149

## 20923	3324.976	6465.000	1521.607300
## 7826	3599.601	6863.691	446.451752
## 6275	3379.021	6236.000	941.018066
## 4276	3420.958	6698.276	1754.795898
## 17301	3320.015	6511.000	1163.166626
## 19861	3954.888	7555.819	1110.756714
## 18401	3361.223	6505.000	873.130005
## 15336	3604.548	7125.567	872.983459
## 3971	3565.265	6798.650	671.094849
## 14664	3678.172	7417.859	1469.513916
## 21050	3346.067	6495.000	1279.161499
## 12142	3358.073	6687.500	831.972290
## 461	3333.035	6440.000	1499.827637
## 9636	3801.276	7389.142	1334.096069
## 14106	3898.839	7655.186	1342.327515
## 22545	3824.169	7402.577	567.621948
## 16269	3828.823	7541.811	1508.984619
## 20492	3917.608	7530.803	1223.090576
## 7101	3609.855	7069.443	662.372925
## 13730	3812.140	7364.488	1355.880005
## 676	3823.452	7544.423	1538.923828
## 2280	3428.721	6847.580	917.503235
## 1308	3567.023	7015.243	930.995483
## 1211	3853.809	7480.088	1149.363647
## 6479	3591.199	6948.170	1899.124878
## 17971	3484.601	6690.624	577.497192
## 21712	3872.904	7600.711	1168.846924
## 2649	3467.255	6821.093	1445.638306
## 15895	3332.858	6509.000	1218.596313
## 14711	3312.202	6616.000	1414.601562
## 16062	3339.694	6513.999	1151.351196
## 12951	3775.712	7400.617	1459.478149
## 17850	3462.790	6551.666	1673.721802
## 12495	3676.326	7486.365	1222.001709
## 19904	3449.186	6758.333	692.896973
## 9503	3729.292	7188.362	936.443420
## 10507	3036.755	6767.857	234.552444
## 14941	3644.238	7185.500	1372.547119
## 18975	3343.965	6537.000	1488.355713
## 9065	3430.944	6635.717	1752.081543
## 54	3718.793	7349.298	1822.204956
## 13115	3336.924	6584.001	845.562683
## 17071	3777.595	7458.431	1578.292480
## 16469	3762.789	7546.387	741.859314
## 10004	3846.974	7745.997	1141.028076
## 833	3756.451	7577.978	1395.989746
## 21623	3826.070	7443.027	1103.499390
## 2996	3483.018	6682.259	1059.835083
## 19579	3642.038	7230.000	777.859619
## 6441	3658.531	6705.554	249.030457
## 1478	3333.122	7186.171	1024.163940
## 5462	3503.023	6955.406	505.219604
## 4048	3716.445	7247.692	1105.362183
## 19602	3318.727	6424.000	458.035126

## 19620	3396.168	6416.346	1385.544189
## 19489	3370.408	6480.001	975.037537
## 8958	3951.500	7489.824	1891.378540
## 3493	3707.824	7180.834	1487.491455
## 21230	3716.200	7076.584	654.597717
## 1249	3885.108	7457.810	1202.694824
## 15198	3777.763	7302.814	1382.216919
## 12834	3725.062	7301.070	1391.103149
## 11854	3284.427	6513.000	440.514465
## 20850	3676.116	7013.544	1463.850464
## 20389	3905.528	7543.735	1158.555176
## 11713	3821.250	7458.771	1452.160522
## 11478	3775.305	7320.396	983.365479
## 20121	3500.319	6777.344	1221.834473
## 14268	3467.622	7056.580	121.807076
## 8248	3928.219	7532.754	1493.404663
## 18543	3739.657	7304.414	445.861542
## 5286	3382.998	6761.607	1671.313599
## 16977	3722.954	7282.141	1011.834351
## 12303	3751.517	7698.200	673.395081
## 7935	3365.609	6318.000	692.314331
## 12855	3766.827	7387.793	1497.012451
## 3850	3858.336	7654.918	1349.589722
## 1979	3901.626	7581.443	1278.565918
## 14830	3549.751	7012.500	1894.509155
## 12556	3405.590	6703.572	988.110352
## 20445	3745.036	7581.728	571.936279
## 6774	3347.259	6718.519	612.981506
## 18171	3602.308	7056.113	458.440369
## 11869	3442.667	6983.823	385.942047
## 12055	3594.539	7013.097	2017.443726
## 14874	3469.007	6666.667	442.325775
## 11777	3768.376	7631.397	550.862915
## 11544	3494.377	6742.970	245.056000
## 11842	3486.357	6814.063	1333.684570
## 10379	3253.909	6640.001	741.951233
## 19939	3429.865	6618.750	940.300964
## 20359	3926.519	7525.268	1347.324219
## 2576	3852.907	7527.942	931.298340
## 15464	3589.658	6996.667	459.731750
## 4665	3371.902	6572.116	1746.225952
## 22039	3356.712	6452.000	1641.016357
## 2990	3908.394	7554.718	884.257263
## 17757	3880.534	7569.421	1355.532104
## 8459	3579.648	6832.896	1904.693481
## 13226	3830.815	7510.043	1570.968628
## 10718	3697.885	7390.770	1950.415283
## 14802	3173.190	7434.540	26.534389
## 2740	3694.375	7269.404	808.066895
## 6246	3446.663	6799.168	1260.660400
## 7233	3797.119	7228.488	1716.591309
## 10835	3656.405	7180.091	626.967285
## 18996	3742.356	7214.998	2333.895020
## 595	3355.292	6603.846	853.584534

## 4649	3490.753	7130.002	230.189255
## 11915	3647.901	7200.000	420.555634
## 800	3559.062	6958.334	1282.755371
## 6669	3668.036	7131.729	1055.527466
## 4594	3483.095	6942.145	617.191162
## 1601	3894.438	7696.229	1099.161377
## 11773	3423.657	6864.063	364.958008
## 15137	3508.196	6783.091	1477.243286
## 18218	3654.291	7138.500	1120.754517
## 15056	3427.918	6611.607	965.572571
## 3239	3872.036	7500.603	865.988770
## 22460	3438.970	6748.439	647.505493
## 20573	3751.166	7323.240	2134.317383
## 17529	3790.530	7482.034	1257.275024
## 22536	3356.673	6468.000	1598.462280
## 4071	3351.122	6570.000	766.647400
## 5764	3802.584	7325.001	1215.066284
## 14016	3840.744	7543.322	900.260925
## 17234	3779.996	7496.313	1353.028198
## 10994	3767.240	7246.840	1329.055420
## 18823	3223.687	6503.000	148.621704
## 19294	3840.129	7373.828	1454.320190
## 7668	3344.806	6403.000	1009.418091
## 10885	2634.499	6915.716	218.667648
## 12458	3648.941	7420.292	494.242523
## 21431	3700.853	6911.765	1313.749146
## 15647	3350.276	6379.000	904.806641
## 1506	3826.728	7463.788	1010.546814
## 18747	3801.929	7322.189	1183.460815
## 14092	3820.010	7467.009	1636.333252
## 14945	3815.512	7521.426	1478.646362
## 1514	3834.402	7541.059	1269.982788
## 22271	3330.993	6613.999	527.823303
## 2119	3795.899	7283.870	1188.498535
## 1204	3345.542	6503.000	568.651917
## 1296	3308.744	6609.001	449.544373
## 6897	3864.202	7398.542	956.599915
## 21664	3586.206	6880.922	1200.709717
## 8603	3631.599	7032.557	1565.562622
## 18365	3711.054	7443.412	441.333862
## 17611	3179.798	6620.000	55.782051
## 9579	3377.755	6671.296	3253.300293
## 17994	3360.564	6441.001	515.947327
## 15595	3673.702	7074.002	1959.834106
## 1005	3740.265	7067.753	1240.028931
## 18858	3661.554	6994.230	2010.498657
## 17805	3589.148	7066.860	864.043701
## 19541	3339.679	6424.001	2147.677979
## 11629	3773.510	7142.805	1905.085449
## 16873	3422.247	6765.322	573.007080
## 18934	3404.041	6594.446	677.043396
## 22098	3879.084	7507.904	1930.600952
## 21529	3934.869	7609.252	1131.744629
## 17003	3688.582	7341.791	374.121155

## 6439	3428.174	6500.002	1031.581055
## 18164	3686.913	7125.456	553.095215
## 11109	3936.939	7508.238	1423.163330
## 21767	3626.605	7139.424	812.987671
## 22374	3790.455	7151.966	1104.955078
## 5079	3422.477	7395.291	63.364887
## 16034	3605.566	7528.158	740.359253
## 12414	3817.282	7555.532	1356.691162
## 5608	3770.525	7656.887	1365.207275
## 13453	3737.994	7297.308	1320.738892
## 2618	3807.574	7532.841	745.686279
## 2416	3820.182	7566.597	1485.021973
## 7469	3349.584	6514.001	1292.715088
## 21467	3815.794	7354.056	1572.932251
## 17051	3355.045	6335.002	460.879395
## 7153	3779.100	7490.526	1313.369873
## 1251	3909.135	7627.161	1456.669189
## 3751	3443.899	6645.691	1419.402466
## 12289	3287.818	6957.896	964.518372
## 17769	3826.807	7509.291	1995.450562
## 21637	3411.265	6559.260	1502.526855
## 2440	3359.526	6425.000	402.857697
## 20237	2990.439	6895.001	1.975109
## 3625	3776.917	7449.425	2162.503174
## 8684	3350.756	6414.001	824.179443
## 9975	3790.564	7306.116	495.657166
## 18515	3191.229	6835.346	32.142452
## 16006	3891.292	7441.835	1173.096069
## 8143	3482.420	6797.658	1018.978149
## 4608	3825.239	7543.128	1012.355530
## 3623	3583.252	6886.537	776.590576
## 4435	3821.761	7464.317	965.232422
## 5386	3390.116	6466.346	2653.350830
## 10509	3655.358	7384.647	1418.475220
## 1872	3782.228	7480.263	1543.323242
## 14572	3822.549	7486.134	1102.251343
## 16111	3859.673	7549.423	990.532043
## 22462	3912.177	7561.315	1511.414185
## 22021	3898.614	7622.378	1374.194092
## 20675	3851.189	7373.904	1444.090942
## 10399	3300.250	6627.999	1617.032104
## 3973	2660.486	7523.610	520.219299
## 9089	3509.654	6806.062	1102.539551
## 8294	3470.639	6808.594	349.345551
## 9762	3350.446	6620.370	330.297882
## 9323	3540.802	6718.383	1272.858643
## 13691	3606.953	7010.367	1307.001099
## 398	3440.011	6629.311	930.413879
## 13996	3692.821	7375.003	1135.130371
## 19951	3502.254	6728.127	1249.992065
## 17419	3781.055	7289.999	1901.253540
## 7517	3585.347	7050.611	1553.357666
## 2326	3816.933	7198.671	1289.796875
## 11551	3587.894	7218.138	21.077581

## 3901	3809.910	7448.890	1359.739990
## 15340	3816.987	7583.549	1195.013306
## 392	3563.196	7139.446	396.225311
## 21554	3907.157	7544.123	1384.169312
## 12514	3666.704	7275.926	2123.558838
## 12789	3774.138	7222.915	1290.433228
## 19498	3552.162	7011.184	1608.406982
## 12401	3343.029	6519.001	387.826355
## 20163	3218.450	6534.822	1225.936523
## 16267	3801.960	7529.481	1082.921143
## 21086	3371.472	6422.000	332.545441
## 18260	3807.567	7397.199	2373.392090
## 11868	3301.779	6752.779	299.274963
## 15549	3823.359	7517.503	1417.680054
## 5362	3589.570	7171.638	1025.813843
## 4655	3699.952	7356.818	531.263123
## 18565	3362.489	6338.000	1371.841187
## 14251	3687.779	7368.848	1114.880737
## 10691	3333.408	6497.999	356.906738
## 20877	3488.039	6670.969	1132.195801
## 732	3773.295	7449.999	1199.085327
## 10332	3723.332	7267.915	986.290222
## 10040	3925.911	7426.448	1424.185791
## 15970	3841.542	7435.345	1110.936157
## 18409	3683.945	7243.846	544.876404
## 2869	3805.116	7351.041	1207.484253
## 16589	3396.636	6328.846	811.750061
## 20108	3369.626	6456.000	881.668579
## 1639	3903.584	7500.686	717.244507
## 22401	3938.912	7584.905	1317.828979
## 292	3721.322	7142.273	2112.823242
## 21582	3730.066	7312.677	2035.533203
## 15936	3787.479	7360.673	1366.009033
## 7080	3517.934	6964.286	571.961792
## 7731	3686.610	7075.490	1982.957642
## 6373	3546.520	6893.124	584.218567
## 13748	3404.431	6538.890	1858.678223
## 22015	3886.098	7538.074	1816.639771
## 19671	3479.619	7322.000	2359.589111
## 11104	3868.439	7437.627	1449.766357
## 449	3639.140	7423.378	160.289200
## 8206	3363.594	6469.001	1401.426636
## 11846	3596.647	6980.358	808.707581
## 16438	3855.038	7556.667	1194.874023
## 1054	3856.058	7431.755	1313.126709
## 1908	3720.019	7312.319	1295.666382
## 15292	3768.268	7300.668	306.532196
## 3440	3891.303	7665.546	1529.371948
## 4536	3668.243	7388.079	782.529297
## 9516	3510.071	6787.880	1326.753296
## 15371	3318.386	6631.001	1959.559448
## 15779	3828.217	7442.927	915.879700
## 22161	3372.851	6670.370	1317.213745
## 17739	3921.789	7615.408	1161.699951

## 8885	3371.283	6267.001	1518.324219
## 1053	3935.726	7566.988	1369.590454
## 1022	3373.217	6442.308	1117.753906
## 17267	3748.319	7327.613	1651.022339
## 11006	3636.833	7208.333	375.433868
## 1675	3710.153	7315.069	1190.192871
## 3576	3799.555	7468.207	1396.104614
## 19241	3851.269	7617.250	1139.532349
## 22055	3749.296	7342.647	1788.926147
## 3644	3754.893	7491.294	1288.757690
## 529	3327.034	6581.999	1018.553711
## 14698	3662.608	7378.749	2064.198730
## 1123	3451.790	6873.438	1155.073364
## 14869	2908.110	6671.000	37.199978
## 21923	3860.061	7407.274	1097.349854
## 17849	3378.367	6214.002	2268.088135
## 17506	3425.064	6727.586	1100.220215
## 2360	3312.036	6611.000	583.663330
## 12196	3480.700	6920.835	2322.972656
## 8304	3158.370	6970.947	184.119049
## 9153	3684.606	7343.314	1079.509399
## 13952	3753.692	7303.307	1550.904297
## 7249	3690.133	7129.579	1035.190796
## 22158	3703.735	7267.812	967.196533
## 19266	3929.656	7683.720	1398.091553
## 19354	3809.882	7323.562	2058.498779
## 17155	3832.302	7545.975	1765.523560
## 13655	3423.662	6831.062	234.734802
## 14743	3725.478	7240.002	1680.719238
## 8628	3868.064	7526.511	2008.056152
## 4686	3849.111	7551.035	2117.748047
## 8189	3067.974	6658.000	7.444648
## 16060	3323.419	6483.000	600.501282
## 1583	3802.713	7465.197	996.839905
## 21812	3736.394	7192.802	1133.768188
## 19127	3344.959	6495.000	801.462708
## 6234	3849.844	7588.747	987.028809
## 9232	3758.181	7303.290	1375.161743
## 3978	3862.380	7523.491	1445.712402
## 22440	3875.418	7354.531	1529.497437
## 6283	3931.473	7489.722	1448.685059
## 16016	3798.019	7196.575	1685.653809
## 5403	3813.642	7505.759	1109.817505
## 9489	3791.690	7248.631	1985.752075
## 6172	3588.844	7161.046	774.895691
## 20603	3469.740	6775.000	1069.409790
## 17289	3378.621	6755.173	1120.454956
## 3310	3574.678	6902.566	1482.955688
## 10441	3337.981	6470.000	773.735291
## 3829	3869.464	7654.410	1052.753540
## 6489	3794.092	7459.827	1364.457397
## 19833	3500.918	6802.274	873.061218
## 17292	3234.120	6589.001	16.688494
## 3431	3737.258	7613.219	1262.189087

## 14269	3791.379	7510.149	1302.724487
## 14392	3353.936	6510.001	569.114197
## 3648	3605.250	7262.053	1066.343262
## 19450	3370.102	6370.001	1073.097778
## 5961	3821.458	7641.304	762.852234
## 16669	3782.647	7437.790	1272.633057
## 7886	3831.687	7335.775	1652.700317
## 12921	3649.491	7016.306	1278.292847
## 10797	3529.902	6954.167	572.219788
## 5340	3613.535	7181.123	437.959198
## 3124	3539.575	7130.954	1621.497192
## 9143	3778.498	7239.120	915.821289
## 19975	3365.110	6456.001	971.609253
## 6760	3505.651	7022.221	707.967102
## 4892	3506.877	6989.584	1357.293945
## 18664	3796.223	7512.875	1226.806274
## 20678	3321.466	6446.000	1603.239746
## 20073	3409.366	6791.937	171.067612
## 20813	3494.431	6844.697	952.555481
## 6803	3906.081	7527.703	2055.910400
## 5602	3810.103	7615.062	1005.939575
## 4803	3631.499	7298.077	1745.369751
## 16856	3632.134	6726.193	1809.650879
## 13825	3371.284	6435.000	1889.460205
## 11001	3865.792	7575.165	1210.380493
## 1097	3462.299	6920.947	1061.548706
## 4555	3711.092	7340.769	2164.724609
## 3771	3890.585	7630.135	2031.624146
## 10095	3856.845	7471.644	1118.322266
## 16072	3794.525	7371.512	490.689667
## 14478	3791.260	7429.120	1919.418335
## 15522	3829.393	7400.648	726.213318
## 21382	3357.505	6519.000	1226.013672
## 6814	3832.330	7399.759	1468.825684
## 16541	3730.231	7484.583	1382.213867
## 306	3676.387	6954.256	1419.785767
## 656	3750.646	7276.562	1446.046753
## 1720	3894.990	7637.177	1356.970459
## 9861	3364.447	6483.001	1402.978027
## 1282	3590.734	7007.926	641.474487
## 12057	3120.496	6041.000	1.234787
## 8844	3522.553	6909.723	607.236511
## 6486	3899.946	7644.557	1045.360840
## 3982	3853.529	7603.616	1566.061768
## 21753	3645.746	7335.248	330.567535
## 12493	3453.789	6897.729	750.715149
## 14151	3857.120	7466.594	1221.619751
## 17969	3544.290	6752.084	1150.438599
## 1494	3882.512	7458.570	1141.598389
## 11157	3331.680	6345.001	1121.931519
## 19825	3648.353	6920.454	1065.203491
## 18522	3823.166	7439.664	1088.447876
## 15382	3848.541	7381.167	550.247009
## 12020	3303.035	6431.000	132.074814

## 12767	3652.456	7339.656	1398.764771
## 19577	3778.067	7568.691	932.190369
## 14351	3688.458	7002.550	1205.090820
## 6308	3919.981	7629.559	1769.881470
## 17847	3578.969	7006.978	1190.496094
## 15013	3352.077	6374.000	430.816925
## 15167	3625.530	7211.575	1444.906006
## 11616	3807.109	7556.479	546.303711
## 6316	3940.993	7559.040	1924.356323
## 2121	3553.564	6826.351	1033.310791
## 1658	3580.509	7013.415	990.967773
## 18902	3741.949	7227.612	777.614929
## 10776	3543.472	7075.596	624.388916
## 1703	3596.467	6960.466	1105.110229
## 2338	3324.865	6425.835	946.553467
## 2680	3834.418	7221.333	905.300964
## 6431	3341.475	6452.001	754.315369
## 20415	3460.549	6700.000	1617.238281
## 9894	3366.272	6420.001	1061.790894
## 250	3485.024	6757.031	1501.736450
## 4035	3877.476	7717.259	1854.859375
## 10322	3356.554	6326.000	309.850006
## 22543	3484.653	6726.565	1401.232544
## 3989	3968.542	7717.836	1591.354370
## 18916	3733.730	7169.917	1101.718750
## 12631	3599.868	7013.954	416.814148
## 8811	3626.505	7125.543	1277.676758
## 6960	3530.070	6858.825	1522.304077
## 14405	3839.939	7456.656	844.732727
## 9938	3649.836	6968.139	1499.117310
## 15672	3719.828	7160.966	1540.650146
## 10559	3290.854	6595.000	24.600311
## 15915	3835.097	7603.599	1528.561279
## 17833	3611.140	7086.415	1938.411621
## 8356	3645.563	7178.706	565.236145
## 13005	3852.279	7282.845	1130.516968
## 13041	3375.050	6650.001	1012.947937
## 15316	3884.612	7649.387	951.374634
## 15254	3411.895	6503.705	1376.212646
## 9463	3710.240	7354.476	923.387878
## 17900	3784.304	7177.463	1251.990479
## 4551	3701.819	7393.463	2235.711426
## 13919	3251.035	6755.358	221.179688
## 2333	3627.806	7169.262	1439.665405
## 12647	3365.521	6281.002	272.531586
## 20216	3721.237	7325.784	403.663147
## 2050	3285.442	6479.808	1111.219849
## 13175	3367.849	6446.001	603.232239
## 16154	3844.662	7542.284	898.002319
## 19391	3877.631	7681.021	1083.150513
## 19069	3651.208	6899.433	1164.011475
## 20386	3347.556	6298.001	1796.327026
## 9168	3880.773	7665.945	1455.448608
## 13066	3908.736	7583.052	1460.060791

## 2529	3814.981	7558.125	1223.109497
## 11213	3614.566	7209.907	991.265015
## 1621	3710.499	7346.201	1257.458862
## 21191	3592.885	6964.584	802.162048
## 17348	3767.444	7524.413	922.958496
## 16307	3803.544	7404.166	1212.317627
## 2600	3191.701	6885.000	752.999695
## 17437	3778.130	7483.558	1020.576111
## 7329	3799.978	7564.540	738.023987
## 16626	3646.246	7101.667	1375.272705
## 5380	3818.427	7590.722	961.140076
## 7372	3349.445	6288.000	1382.414795
## 21264	3951.180	7483.937	1718.015259
## 18869	3717.725	7386.048	679.846191
## 7156	3793.233	7555.301	784.254639
## 13469	3568.246	6761.806	1431.503540
## 9896	3399.455	6612.964	1525.208862
## 13342	3772.225	7303.083	1886.095947
## 2187	3818.025	7658.303	1405.628418
## 9731	3357.205	6494.000	1253.425537
## 3950	3651.204	7207.871	1051.165161
## 9472	3631.784	7032.608	977.039368
## 20510	3971.970	7393.496	1189.867065
## 15564	3298.493	6604.002	893.483459
## 736	3438.099	6791.666	869.816162
## 14779	3376.533	6831.897	1142.538574
## 12858	3605.286	7130.684	1662.858521
## 1410	3929.379	7582.784	1696.610596
## 1920	3368.033	6497.000	1084.792969
## 14960	3570.978	7411.541	1908.904419
## 2682	3827.371	7257.667	1204.933472
## 16472	3478.728	6537.098	941.165771
## 12668	3724.077	7463.818	1743.370850
## 5123	3997.614	7502.685	1864.188599
## 5897	3961.998	7581.088	1504.056152
## 20133	3659.379	7126.023	1156.223022
## 9614	3337.783	6387.963	1599.332397
## 13110	3749.646	7553.646	1012.201965
## 12968	3526.238	7163.001	1071.304932
## 11917	3674.551	7298.847	161.285904
## 12818	3777.425	7444.997	821.879272
## 6188	3428.829	7047.296	798.692993
## 3240	3849.574	7495.532	806.046509
## 8580	3332.906	6567.001	732.587280
## 10894	3504.906	6833.334	1431.072144
## 6958	3579.318	6887.500	2089.759766
## 2491	3321.473	6562.000	1172.424072
## 11744	3929.760	7453.109	1291.983276
## 13716	3666.720	7016.488	1270.078369
## 11473	3205.122	7078.127	179.444641
## 19936	3787.895	7270.207	994.010254
## 17384	3735.843	7243.360	1130.965454
## 13239	3866.799	7578.188	1571.683228
## 11598	3375.712	6756.897	973.467834

## 11013	3908.811	7644.862	1200.667725
## 16234	3723.486	7138.115	619.142639
## 20235	3708.822	7377.632	428.816925
## 1404	3927.648	7579.627	1255.122314
## 21418	3417.748	6710.716	1606.418945
## 12863	3615.245	6985.869	1507.074219
## 10571	3697.526	7133.019	1483.278931
## 417	3356.998	6516.000	1036.614258
## 20070	3326.510	6545.191	750.291748
## 21513	3483.109	6561.667	1403.232056
## 7275	3698.806	7231.745	180.809372
## 3567	3822.674	7583.281	1736.061035
## 11390	3692.881	7354.584	1133.492065
## 7864	3734.638	7230.000	1880.140259
## 21432	3816.173	7137.807	825.549377
## 21609	3452.254	6791.130	1489.653564
## 4850	3189.535	6641.000	661.080627
## 22382	3946.037	7566.570	1574.087158
## 10257	3876.418	7389.698	1300.127563
## 15306	3423.190	6712.501	1497.821167
## 6799	3815.348	7309.676	1490.310059
## 12686	3800.012	7106.333	1055.624634
## 4716	3312.487	6634.000	1113.815186
## 9235	3341.453	6460.000	1508.518677
## 8682	3358.421	6492.001	1717.367920
## 5207	3912.497	7570.052	1484.836548
## 10159	3615.024	7091.110	1796.386719
## 3608	3334.619	6579.000	1412.129150
## 561	3108.425	6660.000	6.503083
## 487	3587.876	7100.624	1063.955200
## 12391	3071.107	7300.001	706.210632
## 10839	3685.517	7425.000	1144.997070
## 18067	3658.065	7228.847	1744.618652
## 12623	3773.948	7448.582	1247.826660
## 83	3615.696	6884.146	2075.601074
## 14644	3204.402	6578.001	322.502625
## 22274	3541.053	7053.947	605.786682
## 14174	3602.637	6936.047	2084.044678
## 17728	3855.071	7506.775	1388.862183
## 3724	3659.993	7286.113	1176.454224
## 12683	3774.205	7312.156	2263.824219
## 21094	3644.700	6978.976	1121.982422
## 18959	3689.028	7103.924	1066.903198
## 16107	3724.889	7107.759	1603.945435
## 22394	3938.613	7527.724	1482.618896
## 6204	3490.393	6817.188	363.671204
## 19211	3678.466	7147.000	1233.889771
## 958	3392.246	6741.964	533.574951
## 11654	3904.205	7676.226	1007.203918
## 3306	3880.395	7652.800	1575.785889
## 7699	3903.578	7426.107	758.661377
## 4483	3479.685	6925.000	793.310242
## 19186	3691.383	7076.961	1181.708252
## 21066	3718.872	7174.562	1324.562744

## 2679	3853.159	7418.456	1223.560913
## 5513	3827.875	7445.134	1557.413574
## 16701	3867.676	7562.756	965.465698
## 22512	3347.479	6478.001	995.368042
## 14892	3529.650	7025.001	1818.590576
## 20162	3817.871	7539.300	1345.358887
## 18741	3393.103	6457.692	1083.848511
## 13828	3375.799	6373.000	937.797302
## 6887	3985.680	7412.829	1038.164185
## 15239	3432.741	6770.000	1388.161499
## 5817	3389.586	6457.693	1067.553955
## 5411	3893.175	7553.979	1166.334229
## 9108	3356.544	6527.000	1616.026489
## 64	3559.778	6910.136	1229.709595
## 1400	3926.178	7577.598	1004.454407
## 4258	3504.060	6915.443	854.988525
## 9225	3757.205	7306.002	1429.598267
## 4459	3790.638	7458.951	936.571106
## 21942	3965.292	7609.345	1510.550903
## 15866	3603.027	6893.292	2086.948975
## 15767	3354.915	6554.001	1142.800537
## 22391	3867.454	7379.435	1014.732666
## 14924	3746.378	7294.102	889.749939
## 16516	3811.422	7418.683	1134.076782
## 21958	3947.464	7578.759	1442.295044
## 14139	3348.352	6474.002	1282.860474
## 21481	3391.890	6351.923	1326.915894
## 21544	3862.343	7652.126	837.791260
## 12757	3480.591	6902.207	908.459656
## 13440	3414.996	6859.376	587.423767
## 8032	3345.764	6386.000	948.460449
## 13343	3731.685	7209.230	850.021179
## 12894	3639.717	7087.778	827.593811
## 12357	3813.783	7393.812	673.367615
## 21498	3434.343	6525.000	1949.607178
## 10736	3706.390	7259.745	1945.560425
## 915	3610.744	7149.510	759.136719
## 12452	3797.246	7464.562	464.868958
## 2502	3901.057	7696.768	1108.111938
## 18864	3941.093	7551.316	1724.528809
## 11836	3451.661	7392.467	303.457489
## 13179	3736.053	7129.741	1602.216187
## 3112	3878.090	7515.062	1318.282104
## 17274	3871.109	7620.879	890.008118
## 8920	3926.498	7608.418	1566.199707
## 13555	3448.105	6860.609	230.610550
## 12605	3747.627	7281.818	1097.018433
## 7320	3597.420	7072.674	210.423279
## 9257	3601.868	7139.444	692.489685
## 8836	3487.932	6642.970	1202.754761
## 735	3558.708	6982.432	1122.457275
## 11155	3937.419	7455.448	1462.621216
## 16577	3644.039	7479.033	1089.173828
## 1699	3539.142	6828.947	214.674347

## 10458	3788.937	7579.049	1728.820801
## 15295	3809.539	7264.535	667.496277
## 6651	3662.982	6832.607	1179.541382
## 3452	3560.767	7032.955	672.293579
## 6003	3488.721	6858.089	584.341248
## 18073	3811.298	7415.491	1597.306885
## 1001	3647.834	7341.153	852.820679
## 22207	3885.697	7340.656	1214.018555
## 3697	3317.067	7671.991	1160.158569
## 11019	3850.355	7590.882	824.783203
## 6174	3353.794	6660.577	468.431366
## 2023	3302.992	7370.066	846.805298
## 9784	3341.907	6525.001	796.668823
## 7762	3722.177	7443.479	354.705872
## 14071	3570.052	7032.737	1367.751953
## 16007	3735.794	7178.078	901.619263
## 2597	3584.045	7001.136	972.561157
## 1458	3295.354	6975.000	1390.437622
## 12579	3603.437	7348.636	1834.629272
## 14589	3476.721	6735.157	1776.037231
## 14806	3720.828	7596.808	521.821655
## 1753	3765.468	7451.882	1243.937012
## 4802	3664.604	7314.472	1071.687256
## 21908	3830.694	7473.599	1805.745117
## 1942	3604.414	7072.094	1100.787354
## 18548	3337.728	6380.000	1068.876343
## 10390	3348.390	6442.000	1522.947266
## 17316	3443.595	6764.518	203.895401
## 7318	3332.620	6557.000	882.987732
## 9723	3860.821	7451.062	1278.678589
## 17030	3734.850	7497.415	1287.173096
## 9029	3465.531	6762.904	944.697205
## 13685	3428.265	6673.217	1015.048645
## 12438	3604.953	6906.251	2260.493652
## 9460	3332.355	6597.000	976.097534
## 16085	3459.984	6704.167	907.492920
## 7806	3526.858	6746.155	298.239990
## 8138	3435.666	6732.500	612.815247
## 6702	3515.648	6800.001	1562.990234
## 20533	3892.965	7464.059	1227.511353
## 1134	3887.086	7593.796	1328.486816
## 18091	3126.565	7612.103	954.321045
## 11341	3559.411	7086.586	1504.695557
## 7896	3551.925	6930.771	1063.687866
## 10033	3927.895	7534.524	1285.107178
## 12752	3170.232	6642.001	170.676285
## 12156	3343.192	6367.000	658.423767
## 14882	3652.404	7412.694	1298.708496
## 8988	3646.760	7314.179	1544.710693
## 11709	3896.021	7506.282	1821.049438
## 12430	3339.968	6464.000	503.035980
## 6938	3586.979	6838.159	908.665405
## 10821	3547.821	7150.595	1120.235840
## 21419	3852.847	7329.127	1337.162231

## 12372	3696.015	7202.542	680.925537
## 16688	3551.729	7037.179	625.479858
## 19663	3353.555	6439.001	1989.150757
## 7525	3347.201	6618.001	2799.784668
## 17952	3919.994	7546.259	1589.493896
## 11666	3875.309	7619.623	1352.043457
## 22157	3570.236	6875.659	2242.186768
## 3271	3680.319	7699.536	819.303772
## 472	3342.458	6453.000	351.048706
## 17092	3799.171	7549.780	500.851410
## 12545	3794.648	7475.255	1034.992554
## 19250	3699.102	7033.333	891.036377
## 8741	3404.927	6650.926	932.691284
## 21323	3834.170	7324.749	1210.526611
## 13863	3618.242	7139.152	1521.918457
## 7742	3632.991	7025.001	1043.628174
## 3063	3628.713	7192.348	1217.336914
## 13183	3573.375	6961.843	1683.932251
## 3784	3855.308	7690.474	1158.379272
## 19265	3827.048	7530.680	944.341431
## 11727	3925.202	7359.941	1738.107544
## 7081	3302.984	6687.501	366.053284
## 9084	3826.847	7434.900	1122.776855
## 17347	3350.657	6628.000	486.458038
## 18663	3736.828	7314.236	1340.101196
## 16123	3489.445	6840.441	963.913879
## 15759	3353.735	6458.000	398.493378
## 994	3924.057	7662.570	1214.264404
## 8070	3763.640	7226.490	1134.942627
## 284	3802.584	7325.001	1215.066284
## 16960	3692.637	7253.511	1888.505737
## 20166	3985.526	7410.916	1077.438965
## 2587	3576.257	6888.725	663.806885
## 13506	3801.188	7305.152	1311.051880
## 4860	3595.124	6916.877	1418.022461
## 20939	3706.561	7302.459	1217.601318
## 10789	3828.107	7477.235	236.117874
## 2179	3202.500	6632.001	410.915558
## 6560	3443.097	6736.292	889.357056
## 10403	3715.398	7394.719	1137.322388
## 16418	3304.587	6956.250	278.476746
## 12851	3669.844	7430.001	773.868225
## 16930	3722.959	7410.000	1711.479248
## 4467	3525.046	6864.188	1958.879883
## 2563	3327.857	6527.001	2354.665771
## 17015	3266.351	6630.557	890.400696
## 4685	3663.137	7388.542	452.771637
## 63	3727.215	7215.873	666.850586
## 14725	3475.101	6773.389	963.437988
## 14344	3729.593	7205.932	1197.905518
## 22348	3857.883	7589.209	1643.530273
## 9464	3356.394	6516.001	1342.839478
## 11881	3442.288	6753.449	787.188843
## 5247	3606.430	7578.830	1042.223633

## 14712	3292.672	6570.001	404.038147
## 21144	3789.379	7269.863	1284.593750
## 3441	3811.698	7539.746	1479.069092
## 9015	3809.256	7516.263	457.546936
## 11056	3347.491	6430.001	1048.557739
## 3609	3327.939	6554.001	1130.981567
## 13865	3824.015	7448.988	1364.173218
## 215	3416.821	6870.834	1110.154297
## 19822	3610.988	6904.268	810.125977
## 21756	3802.918	7503.982	717.475464
## 20525	3799.048	7403.927	1098.797974
## 8693	3399.669	6526.786	1121.690308
## 10230	3744.302	7363.787	785.674866
## 9593	3331.976	6545.001	1178.115723
## 7530	3841.022	7258.671	1361.946655
## 9929	3698.784	7447.639	1437.830811
## 4145	3798.813	7446.053	1080.564331
## 21944	3960.444	7580.375	1484.285156
## 5546	3917.855	7579.752	1540.829224
## 18814	3357.809	6450.999	1277.101562
## 22020	3611.891	6959.782	1213.349731
## 4910	3649.885	7227.943	865.932434
## 19237	3389.999	6458.653	687.404541
## 15659	3707.658	7170.176	775.325989
## 7418	3280.167	6733.333	460.979797
## 16983	3916.976	7707.830	1376.890503
## 6004	3724.633	7429.256	644.726562
## 1832	3367.581	7254.430	1550.290771
## 17170	3322.108	6583.000	139.918823
## 13383	3757.127	7251.136	1091.629028
## 15754	3637.210	7414.672	1165.727905
## 2221	3364.427	6573.148	1098.250000
## 4501	3343.307	6506.002	357.754669
## 11088	3239.255	6476.001	1544.172241
## 3459	3322.961	6534.000	1764.703369
## 5736	3821.093	7602.501	1671.232544
## 6353	3317.257	6497.001	622.692932
## 6920	3886.014	7507.670	946.802429
## 18841	3465.647	6889.104	634.825562
## 22066	3552.391	6854.863	1159.710449
## 19361	3683.928	7326.530	676.703979
## 16044	3725.192	7280.769	1623.150879
## 15904	3350.127	6491.000	1012.536743
## 19096	3870.082	7364.062	1503.656006
## 6153	3358.250	6558.000	1499.968384
## 14284	3745.067	7315.134	1041.164307
## 7414	3840.600	7473.682	1011.615356
## 9783	3509.338	6840.000	952.337036
## 16492	3352.424	6427.000	779.942566
## 465	3352.582	6504.001	1723.842529
## 14917	2137.802	7157.448	3.069659
## 13384	3736.696	7167.799	1703.252319
## 11168	3701.567	7099.075	1802.389771
## 11944	3766.149	7327.111	442.405029

## 11532	3728.749	7168.220	1070.763550
## 1293	3317.620	6578.000	629.796936
## 15728	3753.087	7288.543	991.827087
## 16496	3788.022	7432.446	1479.317993
## 16005	3431.257	6541.964	1184.125122
## 11261	3364.596	6366.000	1312.376709
## 5426	3758.678	7290.627	683.819458
## 20327	3671.640	7030.359	1182.961792
## 8627	3797.746	7446.999	1291.543213
## 20553	3592.739	6900.624	1255.176758
## 5747	3322.649	6604.001	1612.071777
## 19024	3756.468	7190.673	1305.122925
## 13423	3665.433	7121.429	1126.803589
## 10682	3759.461	7483.333	1096.464111
## 1294	3571.062	7088.414	558.259583
## 6888	3927.312	7458.893	1057.881958
## 4822	3435.781	7095.395	542.708313
## 20742	3970.452	7563.415	1771.433228
## 842	3367.750	6692.857	913.079834
## 14593	3664.524	7038.942	1561.559204
## 22257	3366.890	6355.000	986.338135
## 19867	3655.126	7042.022	1060.660522
## 20347	3845.367	7305.750	1690.500000
## 19192	3368.996	6485.001	1043.895996
## 1573	3620.709	7025.555	1485.007568
## 10600	3406.980	6735.714	1420.306763
## 15112	3782.191	7349.726	861.701477
## 6138	3929.340	7607.968	1445.742554
## 4169	3691.212	7307.083	1523.083496
## 14007	3622.466	7210.966	744.016052
## 437	3271.817	6515.000	76.502563
## 9422	3922.896	7776.262	1400.944580
## 6764	3413.337	6742.858	908.158264
## 17510	3469.049	6802.346	758.275024
## 10633	3352.974	6513.000	1337.122925
## 16335	3794.164	7216.892	1756.240967
## 14653	3391.970	6823.485	391.404816
## 190	3336.666	6493.002	1101.493652
## 11421	3577.778	7125.000	367.917542
## 11908	3692.489	7188.680	1231.005615
## 10787	3768.615	7452.274	1281.270264
## 21563	3796.370	7245.783	677.696594
## 3433	3833.095	7583.048	1778.849731
## 7639	3573.646	7014.882	261.093719
## 2886	3329.342	6478.000	980.447937
## 15334	3573.564	7165.761	899.781128
## 17203	3769.879	7410.815	1608.181519
## 12685	3661.444	6926.630	915.170227
## 9649	3334.441	6622.000	704.211670
## 1719	3778.595	7452.857	1150.178223
## 4165	3703.531	7448.486	1298.747803
## 10249	3765.723	7487.196	2427.646729
## 353	3433.939	6774.138	929.680115
## 13375	3302.397	6904.413	597.810181

## 2951	3538.308	7119.500	548.282043
## 16287	3312.715	6622.999	1160.912109
## 20633	3365.625	6437.000	743.416077
## 20881	3666.290	7126.021	1125.292847
## 18594	3393.660	6506.483	1138.112549
## 8558	3455.312	6796.527	168.408676
## 7902	3698.202	7402.056	424.323608
## 12724	3650.743	7312.950	936.565125
## 1312	3569.724	6938.158	791.829346
## 4698	3524.943	7393.144	1923.137573
## 19033	3643.873	7123.368	908.697021
## 6212	3808.650	7493.421	872.324890
## 741	3460.951	6808.065	1146.252197
## 10480	3082.183	6457.001	1195.864380
## 15827	3627.223	7002.658	259.621185
## 4455	3766.344	7392.724	1241.034424
## 8729	3683.716	7168.753	249.795975
## 3190	3497.638	6980.556	1241.678833
## 2368	3815.245	7485.052	1254.301392
## 4292	3504.664	6856.819	1489.469971
## 20494	3900.145	7441.630	1339.700439
## 496	3638.578	7161.999	813.274597
## 7197	3822.798	7445.584	581.935730
## 9567	3429.609	6608.620	1171.823975
## 3875	3369.641	6420.000	699.196472
## 17284	3748.639	7337.195	625.067871
## 4670	3643.821	7237.501	1236.988892
## 8151	3831.157	7487.901	528.763062
## 10154	3568.210	7066.250	1316.417236
## 15383	3697.025	7135.344	717.053772
## 21292	3237.186	6958.976	89.786858
## 16443	3735.895	7604.699	1438.458252
## 7034	3924.472	7145.492	547.070374
## 1544	3317.511	6548.000	161.562363
## 21289	3835.837	7617.711	300.424072
## 20629	3844.525	7282.445	993.811279
## 7781	3700.586	7218.443	579.338196
## 493	3507.896	6753.473	279.744934
## 13266	3902.808	7522.711	1355.889282
## 12116	3502.989	6810.001	621.568542
## 9326	3555.198	6898.613	1571.502563
## 6060	3971.679	7543.003	1788.233032
## 7207	3697.654	7539.825	579.257385
## 8916	3908.991	7590.335	1675.736206
## 9126	3751.842	7340.183	1758.108521
## 10439	3414.284	6593.752	440.646240
## 2564	3302.069	6499.000	733.866272
## 4272	3717.032	7448.160	909.479797
## 5382	3746.360	7084.016	1606.673950
## 11914	3659.773	7185.379	472.559998
## 14353	3673.456	7045.835	1219.552368
## 12370	3558.124	6921.054	916.352417
## 2268	3780.816	7194.792	885.929321
## 803	3625.292	7025.000	1432.980957

## 2425	3437.900	6784.167	781.174622
## 3571	3727.213	7446.189	1273.847046
## 9545	3776.473	7412.077	1039.578613
## 11371	3449.994	6825.002	311.193420
## 13598	3427.340	6564.287	817.735596
## 9563	3902.331	7571.950	1732.901367
## 2424	3504.050	6897.796	803.732178
## 9071	3724.251	7248.388	1347.179443
## 19374	3127.673	6934.867	161.362381
## 2125	3771.454	7315.294	951.928223
## 17499	3636.254	6924.432	1190.750122
## 661	3724.589	7263.076	1129.994873
## 16806	3753.302	7443.086	912.026123
## 767	3713.645	7206.465	694.203308
## 12185	3945.662	7557.334	1527.876831
## 22221	3858.763	7296.127	1158.445068
## 7215	3639.156	7253.000	2267.174316
## 4300	3347.727	6538.000	786.201965
## 9707	3556.516	6810.418	498.098816
## 17417	3722.331	7181.356	2139.682861
## 16410	3349.244	6609.000	1266.652466
## 14407	3823.997	7442.717	1653.188721
## 15984	3445.832	6773.334	1440.194580
## 6231	3756.792	7313.816	303.673523
## 5057	3479.217	6995.834	469.128479
## 349	3412.114	7117.615	541.756714
## 1415	3827.724	7366.592	1064.286987
## 5274	3013.685	6652.001	6.133428
## 17653	3334.825	6492.000	713.042419
## 15645	3576.027	6947.438	1136.321777
## 4634	3558.222	7155.232	601.348938
## 19228	3441.843	6532.144	1480.865601
## 21511	3927.472	7405.303	1883.303223
## 19249	3754.062	7082.421	1359.394653
## 13074	3931.598	7657.644	1042.054443
## 4916	3573.957	6990.000	1603.653687
## 17878	3327.925	6580.000	664.667114
## 19933	3672.664	7016.667	1024.443481
## 3922	3732.814	7370.356	1544.399902
## 13816	3768.993	7200.747	1569.306396
## 9822	3530.403	6916.668	2075.569336
## 8174	3207.849	6546.000	597.546631
## 5332	3752.002	7612.938	1472.753784
## 2080	3481.540	6884.376	1049.429199
## 1646	3936.993	7668.087	1212.205078
## 20299	3894.447	7602.312	1023.004883
## 3337	3754.063	7303.871	730.687500
## 21877	3340.006	6551.000	1783.977417
## 21577	3886.540	7619.131	1563.890503
## 7269	3346.801	6437.999	348.455444
## 7296	3070.073	6665.000	6.003049
## 1231	3897.155	7594.646	888.505066
## 18370	3580.898	6998.839	760.797607
## 4733	3794.040	7615.771	1008.788330

## 9045	3653.246	7070.652	1283.418701
## 8413	3317.803	6579.999	1320.063232
## 21155	3494.493	6685.485	1379.107056
## 16700	3426.648	6565.179	952.447937
## 2314	3341.473	6305.000	921.262085
## 3116	3945.297	7695.938	1740.506714
## 5423	3774.276	7220.271	729.606201
## 9780	3713.235	7119.643	1043.536133
## 8420	3504.879	7438.557	385.788025
## 19901	3346.232	6555.001	1073.082397
## 9371	3389.259	6530.770	758.995056
## 21202	3655.271	7170.756	856.714539
## 8315	3310.315	6905.646	1338.035034
## 14050	3778.088	7397.656	1337.087524
## 13278	3946.781	7549.837	1402.524658
## 1807	3738.957	7471.628	787.883789
## 3092	3930.707	7644.667	1167.692383
## 543	3805.776	7503.573	722.124268
## 21854	3865.237	7482.961	2102.058105
## 10847	3427.153	6912.501	519.489746
## 15354	3473.053	6882.143	301.567749
## 7142	3487.240	6908.152	1703.991577
## 10221	3777.470	7408.134	1944.406250
## 8986	3709.573	7397.591	1210.187256
## 11871	3276.554	6646.000	695.799072
## 1609	3939.829	7641.238	1202.220581
## 2281	3444.016	6829.166	968.046875
## 8816	3390.790	6670.371	1093.551025
## 4278	3802.595	7436.391	1140.715820
##	\t\nfundamental_freq_mn motion_dist_mn label		
## 16605	110.65646	0.518807	1
## 6927	133.60312	0.320269	1
## 9657	125.46422	0.152643	1
## 14313	96.27204	0.301346	1
## 21870	117.84273	0.851909	1
## 21278	106.68487	0.200106	-1
## 13189	128.21236	0.352808	1
## 17249	123.07565	0.303267	-1
## 3110	130.91658	0.747985	-1
## 14846	116.34239	0.572029	1
## 8897	139.40128	0.362746	-1
## 6166	99.45355	0.468567	1
## 197	129.43349	0.567640	1
## 4858	116.32895	0.322722	1
## 5190	140.26840	0.595120	1
## 19179	113.59293	0.357261	1
## 17808	117.14668	0.341496	1
## 12025	107.84634	0.585903	1
## 17113	106.19833	0.500195	-1
## 2437	130.09885	0.354748	1
## 3879	136.80678	0.387817	1
## 3086	110.81625	0.661068	-1
## 10143	151.69516	0.644223	1
## 19632	132.81166	0.225286	-1

## 12867	150.35261	0.488729	1
## 18925	130.15004	0.828132	1
## 19148	139.67575	0.359092	1
## 217	139.29359	0.540074	1
## 7674	132.14926	0.465348	1
## 3336	131.67535	0.362025	1
## 11772	114.40508	0.648546	1
## 7635	125.62943	0.291931	1
## 6811	111.60319	0.384317	-1
## 21888	141.83315	0.371734	-1
## 20987	127.29422	0.347210	1
## 20848	132.09288	0.733192	1
## 2715	149.23721	0.440979	-1
## 10472	126.96318	0.095445	1
## 10827	122.39942	0.390390	1
## 2350	93.94045	0.439921	1
## 19357	140.35272	0.727951	-1
## 21233	132.87053	0.384414	-1
## 18089	146.09416	0.644003	-1
## 1856	103.22529	0.605605	1
## 6325	146.98485	0.768359	-1
## 16742	119.46384	0.278292	1
## 18716	117.33655	0.495617	1
## 16689	113.21252	0.665903	1
## 17541	136.11824	0.269842	-1
## 1235	130.56024	0.759332	-1
## 15545	118.77250	0.324214	1
## 22061	95.08712	0.306678	1
## 11050	112.76216	0.623259	-1
## 22069	127.81786	0.424224	1
## 13147	131.48921	0.621463	1
## 14871	80.75556	0.725311	1
## 20249	125.87545	0.727194	1
## 18024	124.00386	0.436745	1
## 18754	141.52438	0.268966	-1
## 9448	97.80580	0.320385	1
## 4317	103.55542	0.445632	1
## 5994	110.39801	0.467595	1
## 4491	73.67149	0.562852	1
## 13143	122.85113	0.524397	1
## 14348	148.54111	0.500231	1
## 4311	106.34663	0.389874	1
## 8220	127.03816	0.216466	1
## 12902	104.79005	0.682320	1
## 12558	97.34352	0.584751	1
## 17474	133.65572	0.407073	1
## 11491	115.24746	0.773764	1
## 12590	131.83516	0.677351	1
## 2098	132.95264	0.732095	-1
## 5904	151.71501	0.773383	-1
## 4682	117.03972	0.382149	1
## 19685	149.34044	0.761127	-1
## 8516	110.54726	0.544461	1
## 13298	146.35908	0.680494	-1

## 14870	96.05305	0.411470	1
## 5166	125.99936	0.859254	1
## 14661	90.61675	0.330746	-1
## 20997	101.78713	0.363618	1
## 15467	85.28582	0.701694	1
## 1087	97.63785	0.425924	1
## 7057	115.51475	0.421050	1
## 21340	95.96972	0.112304	1
## 21757	124.55119	0.518790	-1
## 8946	105.96944	0.350253	-1
## 17696	137.68092	0.517562	1
## 16888	69.37034	0.275700	1
## 13394	132.44830	0.436813	1
## 2318	122.61899	0.795653	-1
## 7459	125.54413	0.611841	1
## 3473	100.64488	0.637751	1
## 7146	146.63737	0.630096	-1
## 8210	107.67181	0.510543	1
## 16781	98.44475	0.569071	1
## 11909	142.02916	0.466158	1
## 122	114.65834	0.571229	1
## 16858	108.92289	0.391390	1
## 9854	134.13057	0.741306	1
## 19832	105.27831	0.104563	1
## 4010	148.21536	0.954709	-1
## 15969	125.45499	0.333828	1
## 16285	94.56477	0.468732	1
## 3694	121.86264	0.350752	1
## 20887	106.38439	0.491257	1
## 16717	133.34741	0.881569	1
## 3846	131.93613	0.884256	-1
## 9793	128.74046	0.614920	-1
## 7949	146.77830	0.329887	-1
## 6183	82.50296	0.593671	1
## 4220	99.37517	0.927098	-1
## 13436	127.90537	0.700912	1
## 18183	77.86122	0.370596	1
## 18472	148.85338	0.625523	-1
## 1629	116.99278	0.789955	-1
## 21832	124.57365	0.332434	1
## 19689	124.11487	0.259602	-1
## 21414	108.08955	0.494153	1
## 5487	109.84465	0.646329	1
## 15085	135.39304	0.818187	1
## 21330	111.84106	0.316129	1
## 17822	135.75185	0.371349	1
## 16256	93.32580	0.629481	1
## 13795	110.11100	0.578721	1
## 19242	110.17825	0.416746	-1
## 21781	116.36702	0.357315	-1
## 9682	128.27212	0.438041	1
## 3258	141.99982	0.971657	-1
## 12068	105.95695	0.469519	1
## 21524	113.77216	0.524522	-1

## 17168	107.00903	0.791017	-1
## 16793	93.22025	0.304977	1
## 14507	113.07864	0.458745	-1
## 16875	104.60600	0.339960	1
## 6251	101.36013	0.723311	1
## 3061	96.05296	0.517628	1
## 4885	99.42163	0.684906	1
## 20966	133.60078	0.354904	1
## 10398	124.30727	0.537307	1
## 12278	109.99073	0.726120	1
## 7887	102.17156	0.482039	-1
## 3164	79.26196	0.344419	1
## 5301	108.45376	0.721314	1
## 20768	144.46698	0.571493	-1
## 2175	116.79743	0.298393	1
## 987	98.60924	0.349307	1
## 1455	115.34553	0.569065	1
## 19823	138.50928	0.392605	1
## 17731	114.13323	0.481737	1
## 4510	101.55625	0.675646	1
## 19328	135.03926	0.682240	-1
## 10629	117.44133	0.244279	1
## 10871	99.34903	0.594882	1
## 13108	90.62183	0.719728	1
## 11252	142.80588	0.560086	-1
## 16740	108.67226	0.323547	1
## 4861	88.28416	0.320286	1
## 11258	156.04599	0.612468	-1
## 16593	119.80650	0.629779	1
## 21748	113.93047	0.682909	-1
## 11362	127.07825	0.700049	1
## 563	66.86106	0.517689	1
## 12646	124.71744	0.559096	1
## 4041	131.35449	0.830544	-1
## 8839	83.73930	0.547251	1
## 21516	148.55743	0.458145	-1
## 7690	145.91415	0.681354	-1
## 16537	129.05319	0.726232	1
## 4765	106.32927	0.172993	1
## 5585	141.72749	0.536664	-1
## 16927	105.80299	0.611290	1
## 14157	100.46371	0.534137	1
## 4942	126.22327	0.794340	1
## 3237	140.81430	0.974366	-1
## 19944	132.76903	0.381611	1
## 17240	122.77618	0.242264	-1
## 8692	105.09158	0.297078	1
## 21632	132.51296	0.781734	1
## 12457	124.69954	0.412900	1
## 14445	134.21287	0.310022	-1
## 10652	91.35828	0.653448	1
## 21388	140.08057	0.389574	1
## 13786	112.86461	0.224401	1
## 886	123.12386	0.381870	1

## 8574	110.99583	0.424694	1
## 19667	146.60741	0.573960	-1
## 12527	101.26049	0.623797	1
## 21253	129.99995	0.351291	-1
## 18756	140.55031	0.299710	-1
## 6341	167.12013	0.432048	1
## 20051	92.35061	0.634928	-1
## 1954	96.05933	0.742026	-1
## 17044	84.54896	0.304032	1
## 6691	130.84328	0.818767	-1
## 1888	114.94645	0.445570	-1
## 8806	124.35923	0.625045	1
## 5467	118.63956	0.548760	1
## 16296	127.12622	0.245695	1
## 22178	99.24559	0.344376	1
## 22470	131.22672	0.607426	-1
## 13709	125.35514	0.346612	1
## 6484	141.11067	0.793650	-1
## 2103	123.86996	0.976133	-1
## 8888	147.06152	0.451538	-1
## 19871	137.09718	0.288704	-1
## 18367	90.69892	0.485254	1
## 9525	113.36465	0.282044	1
## 21580	125.42007	0.599789	-1
## 12281	90.47106	0.510672	1
## 652	97.33965	0.381857	1
## 21603	123.35973	0.352464	1
## 13030	99.64517	0.454723	1
## 2941	122.44255	0.593742	1
## 10461	100.98187	0.568019	1
## 18937	101.90673	0.365755	1
## 18575	141.00183	0.753752	-1
## 8937	128.81590	0.337419	-1
## 9905	126.57656	0.500185	1
## 18870	122.71774	0.449532	1
## 17875	99.36243	0.363834	1
## 4379	125.72948	0.299814	-1
## 890	100.47973	0.435297	1
## 20759	127.03274	0.400494	-1
## 21932	138.32646	0.733225	-1
## 17884	104.58425	0.560471	-1
## 11535	126.33312	0.458803	1
## 15242	108.53346	0.387822	1
## 12436	113.43370	0.484105	1
## 20158	113.02901	0.410683	1
## 19247	124.84826	0.305164	-1
## 18248	110.06029	0.168356	1
## 5648	131.55910	0.390114	-1
## 2612	121.41993	0.641328	1
## 12505	136.49843	0.816098	1
## 8178	127.05899	0.416980	1
## 499	151.68282	0.598921	1
## 8564	104.03522	0.458015	1
## 2347	90.92206	0.467402	1

## 8642	125.30969	0.535425	-1
## 16088	114.15962	0.741822	1
## 18058	144.39185	0.334701	1
## 1457	116.51249	0.409963	1
## 9355	115.82581	0.622449	1
## 9036	109.65215	0.266508	1
## 18614	104.67402	0.518861	-1
## 5252	86.62927	0.431985	1
## 14334	108.86043	0.523083	1
## 12760	114.87284	0.622762	1
## 7282	133.36585	0.241318	1
## 4335	133.47208	0.609627	-1
## 10265	98.60874	0.211013	1
## 11191	154.94531	0.667466	-1
## 5874	136.77799	0.606594	-1
## 15815	100.66290	0.530917	1
## 17896	110.19573	0.472337	-1
## 9622	96.03526	0.480834	-1
## 20096	130.61046	0.666278	1
## 16249	116.06100	0.809623	1
## 12907	97.96558	0.547673	1
## 3547	134.02069	0.558752	1
## 1603	137.95799	0.666625	-1
## 21662	127.63664	0.417082	1
## 18600	134.99548	0.600134	-1
## 4768	85.37825	0.183219	1
## 10291	98.24017	0.291415	1
## 12838	87.54343	0.845649	1
## 21146	117.28307	0.561123	1
## 16933	82.57718	0.710303	1
## 90	117.59945	0.481197	1
## 13446	113.29060	0.248473	1
## 18895	116.98400	0.479177	1
## 3403	154.98038	0.811080	-1
## 13334	132.77679	0.593792	-1
## 19347	140.94809	0.351351	-1
## 12625	105.25270	0.466099	1
## 13562	102.17787	0.463831	1
## 4224	114.50851	0.946765	-1
## 9237	124.67055	0.831999	-1
## 17192	101.50766	0.840449	1
## 6018	124.70068	0.757560	1
## 20291	147.12801	0.625866	1
## 20827	114.93190	0.240983	1
## 1824	125.68378	0.347163	-1
## 14645	126.44707	0.653327	-1
## 14203	107.22507	0.577471	-1
## 9483	131.72708	0.564462	1
## 9965	121.16554	0.484495	-1
## 18339	137.95760	0.770033	1
## 7933	139.44873	0.245388	-1
## 17480	125.97233	0.318988	1
## 10760	119.82618	0.399390	1
## 18508	145.24492	0.703191	-1

## 214	118.07534	0.536319	1
## 19540	148.71802	0.703275	-1
## 5592	119.94151	0.346110	-1
## 18525	142.90183	0.522187	-1
## 9727	120.43584	0.510313	1
## 9433	96.36269	0.424384	-1
## 5941	103.90546	0.405961	1
## 8548	72.87964	0.399547	1
## 1316	103.76996	0.938154	1
## 14067	112.67763	0.535936	-1
## 10032	115.94213	0.619365	-1
## 9732	125.43116	0.544696	1
## 17905	154.56802	0.714346	-1
## 21929	144.71117	0.688321	-1
## 2958	112.40668	0.666309	1
## 22357	138.92984	0.702220	-1
## 5289	82.67464	0.278585	1
## 20627	143.09648	0.703664	1
## 3223	142.70354	0.705827	-1
## 7503	117.02792	0.301716	1
## 6724	128.28081	0.208140	-1
## 3972	127.72958	0.494362	1
## 18655	91.18562	0.449195	1
## 3778	106.09424	0.310052	1
## 14616	109.80225	0.416738	-1
## 9697	135.84950	0.246630	1
## 13399	120.31865	0.554526	1
## 8803	152.53799	0.391746	1
## 627	89.34972	0.498977	1
## 5152	86.23029	0.318373	1
## 7303	115.71918	0.758340	1
## 14327	105.39423	0.228539	1
## 21903	132.96768	0.311204	-1
## 18581	138.84679	0.623465	-1
## 9202	124.54756	0.565725	-1
## 19341	132.49188	0.266538	-1
## 8029	124.56461	0.292814	-1
## 16313	124.74961	0.596784	1
## 8095	98.24284	0.502114	1
## 5122	142.55138	0.856605	-1
## 20285	146.43094	0.566430	1
## 8133	86.53391	0.350415	1
## 18986	136.82330	0.424998	-1
## 12267	131.07179	0.386313	-1
## 7283	118.42331	0.265873	1
## 22273	93.60613	0.622501	1
## 8553	101.42407	0.371415	1
## 7222	120.27021	0.302710	-1
## 14123	131.50812	0.231853	1
## 15494	114.38718	0.146777	1
## 2025	111.20589	0.742074	1
## 8387	120.30039	0.465101	1
## 13420	113.29745	0.130451	1
## 19421	114.04631	0.158139	1

## 3628	111.68658	0.647256	1
## 9729	102.39770	0.403142	1
## 1491	112.96352	0.685682	1
## 15935	112.97583	0.168320	-1
## 6064	155.05937	0.772574	-1
## 875	124.46723	0.706838	1
## 6440	139.62161	0.436365	1
## 6193	146.21747	0.449145	1
## 14416	129.68869	0.279969	-1
## 8538	111.69373	0.318186	1
## 4995	106.76481	0.754320	1
## 4990	102.36316	0.697341	1
## 14427	123.08577	0.512459	-1
## 17809	124.17631	0.338703	1
## 10651	118.47790	0.692102	1
## 7208	160.80809	0.439142	-1
## 22396	127.87771	0.311400	-1
## 17488	140.31822	0.298807	1
## 14247	113.16776	0.354314	-1
## 6882	141.69785	0.653849	-1
## 8656	119.08809	0.653261	-1
## 16658	78.25920	0.267529	1
## 4217	111.76572	0.773564	-1
## 14602	127.07070	0.381721	-1
## 19895	85.00352	0.324926	1
## 5811	99.20594	0.277510	1
## 13338	141.24065	0.750964	-1
## 9696	133.91242	0.260776	1
## 15386	122.39648	0.752347	1
## 7843	110.73206	0.594568	1
## 8340	125.79414	0.431019	1
## 16936	99.95869	0.722503	1
## 10454	98.18584	0.584899	1
## 10958	143.08470	0.772702	-1
## 17928	159.47205	0.418190	-1
## 10484	148.54436	0.846420	1
## 6769	133.54776	0.522609	-1
## 17414	130.50165	0.848847	-1
## 12250	95.11339	0.206945	-1
## 5884	144.26312	0.780370	-1
## 12015	123.74470	0.627444	1
## 17454	136.48498	0.878260	-1
## 19665	139.91898	0.678352	-1
## 16923	126.16820	0.784425	1
## 11455	100.47902	0.438757	1
## 10245	125.97334	0.100623	1
## 7442	116.12248	0.701168	1
## 13088	147.38785	0.771214	-1
## 17618	117.15637	0.412659	-1
## 7831	152.25978	0.460986	1
## 758	102.52238	0.590822	1
## 6785	133.87889	0.511385	1
## 18537	133.54524	0.621202	-1
## 21742	118.43930	0.608000	-1

## 3274	125.81575	0.547031	-1
## 15148	127.41621	0.858944	1
## 19956	128.08559	0.292125	1
## 14110	109.87491	0.549528	-1
## 13873	114.90359	0.405225	1
## 14467	129.09592	0.274202	-1
## 795	101.42195	0.544516	1
## 11623	127.52975	0.711873	1
## 15324	129.80603	0.710591	1
## 12268	114.63827	0.654136	-1
## 16000	104.85416	0.326108	1
## 14541	89.85438	0.281022	1
## 880	135.25705	0.406541	1
## 12878	80.48711	0.429799	1
## 16982	99.42029	0.477597	1
## 22356	139.37157	0.717317	-1
## 6525	112.06539	0.659315	1
## 14573	151.83183	0.321595	-1
## 7471	123.79652	0.492016	1
## 17907	135.83116	0.630734	-1
## 12155	85.57275	0.178690	-1
## 6351	114.44953	0.389950	1
## 21946	144.17221	0.651574	-1
## 53	140.26840	0.595120	1
## 450	101.89760	0.838588	1
## 4893	115.32530	0.801544	1
## 19029	93.45592	0.578041	1
## 19564	128.01714	0.892720	-1
## 22129	115.57961	0.601572	-1
## 9641	129.25467	0.299930	1
## 6632	90.70692	0.276259	-1
## 4533	102.87273	0.670606	1
## 11814	105.49605	0.601153	1
## 22048	103.66438	0.411673	1
## 7661	137.20570	0.742089	1
## 9233	119.97363	0.412141	-1
## 22199	138.11952	0.767136	-1
## 4093	112.34579	0.230330	1
## 15868	125.18712	0.258796	-1
## 7787	109.56647	0.389544	1
## 9608	119.51670	0.632063	-1
## 3456	104.88023	0.375710	-1
## 22023	143.96623	0.351065	-1
## 17104	129.73241	0.663322	-1
## 3352	130.49094	0.866210	1
## 17326	99.70862	0.416914	1
## 18989	120.00765	0.657523	-1
## 22243	106.34840	0.457233	1
## 17749	147.66919	0.661202	-1
## 11710	151.82770	0.559362	-1
## 20486	123.31918	0.528354	-1
## 15257	151.41649	0.266911	1
## 8601	118.57985	0.307041	1
## 1332	130.03726	0.849982	1

## 10419	101.94067	0.619519	1
## 10316	113.36397	0.574922	1
## 5318	114.80950	0.317977	-1
## 11350	107.26903	0.674783	1
## 2400	128.42770	0.908388	-1
## 18383	112.85677	0.433727	1
## 3665	99.40634	0.541088	1
## 6287	122.90268	0.693830	-1
## 17528	111.42949	0.339358	1
## 7421	88.50332	0.373463	1
## 11167	139.62227	0.798039	1
## 6524	149.46838	0.670738	1
## 13470	115.56074	0.225545	1
## 5661	129.16469	0.545522	-1
## 9512	150.19385	0.265972	1
## 16258	92.72419	0.705729	1
## 12215	149.36173	0.346844	-1
## 18984	133.79108	0.389186	-1
## 19227	127.18361	0.554705	1
## 3468	80.86214	0.616200	1
## 19712	130.90471	0.415058	-1
## 3799	134.88376	0.844912	1
## 13924	124.51776	0.734817	1
## 14755	90.47742	0.332090	1
## 8667	134.94609	0.463694	-1
## 6017	127.97948	0.617053	1
## 19788	108.76585	0.631317	1
## 12568	80.66363	0.254616	1
## 22109	130.08981	0.238582	-1
## 2317	118.55325	0.546132	-1
## 14548	110.16820	0.565214	1
## 843	93.51169	0.622939	1
## 3340	113.02975	0.712687	1
## 2995	124.15489	0.916608	-1
## 13978	154.17055	0.393180	-1
## 19816	116.16575	0.185378	1
## 15174	105.60704	0.727457	1
## 15298	120.32373	0.754550	1
## 4924	126.02732	0.662286	1
## 14144	120.86629	0.409899	1
## 3178	97.66518	0.531589	1
## 19604	99.14417	0.137282	-1
## 18463	150.85620	0.718910	-1
## 16625	100.99781	0.552083	1
## 17894	110.96731	0.207495	-1
## 9867	135.89537	0.382996	1
## 13331	150.04065	0.748236	-1
## 21273	131.92555	0.433033	-1
## 2591	149.03593	0.771797	-1
## 21259	146.56058	0.291960	-1
## 14965	82.62243	0.441244	1
## 10339	106.41895	0.583502	1
## 5461	88.05306	0.706332	1
## 10226	136.65544	0.411933	1

## 8485	136.71805	0.391275	-1
## 20902	135.67303	0.651561	-1
## 13206	148.05006	0.570668	-1
## 5248	99.40066	0.545251	1
## 12117	133.51579	0.407903	-1
## 16416	98.83972	0.534842	1
## 5408	134.10071	0.264574	-1
## 3883	114.60432	0.563321	1
## 19720	114.19421	0.702546	-1
## 14956	134.20961	0.821946	1
## 16710	94.13682	0.391337	1
## 20321	145.67883	0.704245	1
## 3946	106.94217	0.604154	1
## 21228	138.72194	0.317906	-1
## 3580	135.38725	0.709056	-1
## 1040	134.81708	0.893592	-1
## 8011	150.11636	0.539897	-1
## 12213	134.06755	0.507873	-1
## 20543	147.36986	0.730354	-1
## 1327	110.80712	0.275111	1
## 12946	93.08156	0.673757	1
## 16512	107.14472	0.748058	1
## 14143	98.26632	0.260437	1
## 8801	100.41352	0.340419	1
## 2977	135.28311	0.605886	-1
## 6262	107.98397	0.714177	-1
## 11057	107.65370	0.617214	-1
## 14891	105.81395	0.717939	1
## 16994	77.13573	0.467102	1
## 12600	104.88615	0.640837	1
## 11298	96.33653	0.726998	1
## 21473	111.38369	0.280525	-1
## 5639	145.44459	0.799953	-1
## 19877	149.61444	0.279464	-1
## 17115	128.88832	0.474351	-1
## 3131	115.02541	0.518714	1
## 12331	127.78751	0.701569	1
## 18281	146.87056	0.380429	-1
## 530	113.88072	0.512466	1
## 4548	73.58117	0.690256	1
## 7258	123.04864	0.308965	1
## 6161	128.96053	0.713364	1
## 13973	101.99225	0.273364	1
## 8349	72.62819	0.480319	1
## 7449	80.53765	0.405009	1
## 3102	123.20018	0.858953	-1
## 10869	92.74921	0.570073	1
## 8610	115.84066	0.502890	-1
## 12466	94.60020	0.606542	1
## 15416	87.88020	0.613058	1
## 6209	99.85206	0.691506	1
## 790	124.03191	0.858743	1
## 21189	133.12686	0.709982	-1
## 2270	131.46568	0.375251	1

## 17967	117.09804	0.321896	1
## 18309	118.54751	0.578592	-1
## 585	90.60923	0.599050	1
## 20205	127.99267	0.508044	1
## 21235	132.61649	0.288839	-1
## 16663	124.27537	0.681804	1
## 3953	96.07484	0.552891	1
## 17221	143.70480	0.607330	-1
## 14376	105.62228	0.292261	1
## 7378	135.67767	0.369826	-1
## 16522	115.51000	0.785638	1
## 10717	120.36509	0.789520	1
## 10231	100.43255	0.340891	1
## 11245	144.33473	0.579607	-1
## 15511	122.95072	0.488935	1
## 15623	72.72620	0.584461	1
## 8321	106.83318	0.544722	1
## 15527	99.17163	0.402554	1
## 3804	119.05205	0.652804	1
## 10970	142.24875	0.610736	-1
## 2472	135.65303	0.837558	-1
## 19729	105.06537	0.414800	-1
## 1953	106.33740	0.858778	-1
## 3358	89.32032	0.673703	1
## 15131	93.81010	0.470892	1
## 2638	115.83759	0.316227	1
## 14498	138.89122	0.525318	-1
## 13666	113.22165	0.238502	1
## 955	116.63949	0.545248	1
## 21960	116.26366	0.287169	-1
## 15220	120.03581	0.592915	1
## 744	96.48434	0.858899	1
## 17774	149.67656	0.366286	1
## 20904	146.24959	0.440077	-1
## 18627	145.51417	0.756210	-1
## 1174	93.95818	0.454767	-1
## 11752	145.61394	0.702091	-1
## 2783	142.51421	0.428588	-1
## 17219	135.99393	0.706984	-1
## 12173	110.13833	0.121085	-1
## 8131	110.71245	0.545991	1
## 11812	100.34718	0.693066	1
## 5672	133.73872	0.507778	-1
## 12755	100.98286	0.795025	1
## 16165	109.25468	0.376795	1
## 8092	84.56988	0.609748	1
## 256	115.03928	0.769154	1
## 15100	143.24248	0.390493	1
## 18706	141.07297	0.507253	1
## 16117	84.51193	0.336224	1
## 13907	104.61157	0.585557	1
## 5414	112.54256	0.539491	-1
## 7549	104.56516	0.217200	-1
## 4805	86.49233	0.357417	1

## 15996	128.45494	0.917422	1
## 11573	125.12539	0.627777	1
## 12999	98.22216	0.424188	1
## 20463	144.15967	0.597062	-1
## 4100	87.30626	0.300260	1
## 395	99.46759	0.558956	1
## 11626	86.88614	0.443862	1
## 9431	109.71558	0.305643	-1
## 2135	117.46419	0.689243	1
## 13796	108.46694	0.601921	1
## 2284	80.43081	0.343839	1
## 18769	153.45312	0.790937	-1
## 7901	118.61304	0.648229	-1
## 8994	126.64198	0.596368	-1
## 9384	87.11106	0.633445	-1
## 20255	112.37221	0.752730	1
## 18786	130.04918	0.423574	-1
## 17442	120.50865	0.281138	-1
## 12698	91.67191	0.428804	1
## 6759	90.45724	0.266817	-1
## 21706	144.65984	0.474874	-1
## 20144	123.45638	0.374132	1
## 3314	107.93737	0.352493	-1
## 20251	103.49287	0.530138	1
## 18774	125.67903	0.687943	-1
## 17593	131.83983	0.736976	-1
## 2615	78.15292	0.444368	1
## 19189	121.32744	0.479338	1
## 20232	124.79813	0.568636	1
## 9094	99.13010	0.208551	1
## 17043	87.99098	0.595771	1
## 11465	120.98139	0.562948	1
## 1484	100.57576	0.494249	1
## 2085	105.76522	0.458900	1
## 21158	110.11266	0.421638	1
## 2469	140.99757	0.563642	-1
## 16562	127.59250	0.524097	1
## 16504	89.15328	0.493518	1
## 14457	128.46922	0.371720	-1
## 6085	108.83438	0.738972	-1
## 18044	115.91344	0.687264	1
## 12176	113.66130	0.434610	-1
## 1833	114.82569	0.549579	1
## 13761	133.57393	0.845990	-1
## 22197	135.53657	0.794365	-1
## 22352	109.23585	0.441582	1
## 16922	115.83708	0.390593	1
## 18949	134.35477	0.327537	1
## 1547	129.55893	0.736577	-1
## 12460	125.90298	0.438233	1
## 10788	122.41850	0.935856	1
## 5459	96.93759	0.543883	1
## 1780	126.73142	0.835928	1
## 4854	114.44473	0.536708	1

## 11883	122.54696	0.568640	1
## 3253	132.99396	0.952981	-1
## 9858	123.35771	0.789394	1
## 3733	93.07878	0.372101	1
## 16225	101.38725	0.543981	1
## 16001	142.01990	0.560026	1
## 5636	140.46175	0.793018	-1
## 4718	87.66899	0.262263	1
## 13270	140.43042	0.705064	-1
## 850	92.07227	0.231301	1
## 15441	88.54412	0.578064	1
## 11698	146.52144	0.205022	1
## 21571	116.75713	0.630812	-1
## 3512	110.08100	0.478429	1
## 13824	140.88686	0.365854	1
## 2240	115.40237	0.549656	1
## 1976	104.04276	0.530176	-1
## 15269	140.43780	0.697202	1
## 16698	113.18684	0.346269	1
## 8085	159.53230	0.609522	-1
## 12322	90.74100	0.604496	1
## 17110	154.68814	0.585308	-1
## 22293	92.21260	0.558869	1
## 16521	128.32472	0.878275	1
## 1017	122.56794	0.702367	-1
## 4853	123.26857	0.487406	1
## 5511	110.66370	0.501039	1
## 19884	123.55396	0.724242	-1
## 11254	146.92410	0.592473	-1
## 15362	130.50269	0.665101	1
## 9198	131.84502	0.798489	-1
## 4359	131.53877	0.763999	-1
## 15750	116.66990	0.225741	-1
## 20609	134.88335	0.510334	1
## 9754	146.65117	0.783247	-1
## 21684	154.80785	0.829772	1
## 13078	150.53963	0.740255	-1
## 18314	109.08946	0.536684	1
## 1238	110.62626	0.614371	-1
## 21629	136.90329	0.404292	1
## 12549	105.45723	0.562058	1
## 1427	104.21469	0.385271	1
## 3051	92.74543	0.724511	1
## 10980	143.17778	0.449470	-1
## 16890	79.90005	0.389066	1
## 8457	152.40266	0.559879	-1
## 9277	95.05423	0.267554	1
## 1440	123.98156	0.550057	1
## 7588	133.97493	0.524498	-1
## 17963	103.76653	0.384163	1
## 14957	128.25314	0.869059	1
## 12147	123.20982	0.132986	-1
## 19258	136.41792	0.691657	-1
## 1534	134.18904	0.857823	-1

## 3994	120.05377	0.668252	-1
## 155	134.58661	0.282162	1
## 6062	148.68773	0.700527	-1
## 15228	107.42415	0.794648	1
## 7014	144.58414	0.597190	-1
## 966	57.41492	0.355101	1
## 15440	98.28585	0.428597	1
## 5698	146.20824	0.704739	-1
## 12364	118.31427	0.457028	-1
## 11339	88.60712	0.517099	1
## 6984	136.52635	0.767623	1
## 8808	132.52277	0.807255	1
## 16613	108.60220	0.326852	1
## 21713	106.26592	0.453647	-1
## 15662	135.06841	0.699543	1
## 20744	129.74655	0.427330	-1
## 20393	149.51701	0.664402	-1
## 13036	94.69622	0.437272	1
## 13055	129.85577	0.407044	-1
## 15605	115.88929	0.595361	1
## 9752	129.66492	0.390291	-1
## 996	138.18041	0.487852	-1
## 15019	89.02501	0.628862	1
## 20111	119.04279	0.716086	1
## 13515	153.81348	0.503910	-1
## 1039	121.50047	0.926609	-1
## 9342	123.69957	0.784128	1
## 4444	93.83282	0.469180	1
## 20184	141.13982	0.379567	1
## 11353	133.02539	0.605387	1
## 16753	107.13279	0.341551	1
## 16637	121.45492	0.710278	1
## 10163	115.50507	0.456924	1
## 13897	104.87933	0.107772	1
## 7181	85.95810	0.516343	-1
## 14502	139.13371	0.601352	-1
## 19986	121.24311	0.694582	1
## 12738	106.01714	0.480339	1
## 4084	111.54702	0.474484	1
## 9508	99.42896	0.341851	1
## 2253	111.21451	0.381406	1
## 8228	111.85380	0.274540	1
## 16214	162.24104	0.240125	1
## 12000	118.77159	0.640580	1
## 16288	78.18450	0.524415	1
## 22279	88.87126	0.832872	1
## 895	133.57790	0.674248	1
## 12388	108.47188	0.832954	1
## 6505	144.52988	0.749277	-1
## 3510	108.20597	0.455431	1
## 8826	102.71401	0.709128	1
## 18899	97.51143	0.236033	1
## 10875	95.80737	0.273607	1
## 18064	97.78376	0.251093	1

## 20564	93.18019	0.707312	1
## 8221	126.24111	0.383114	1
## 7519	102.94066	0.677688	1
## 15338	78.88425	0.683116	1
## 19118	112.64182	0.256338	1
## 14561	100.55689	0.518162	1
## 6114	97.94417	0.792764	1
## 15285	128.56726	0.368254	1
## 2609	116.31233	0.490545	1
## 9105	114.02931	0.319732	1
## 21464	109.21300	0.280997	-1
## 2356	86.14219	0.571939	1
## 1229	123.34003	0.473936	1
## 14285	135.35814	0.442114	-1
## 1521	119.57842	0.798793	-1
## 14612	125.12238	0.293125	-1
## 19881	158.05489	0.441923	-1
## 452	123.92111	0.890164	1
## 8685	144.20258	0.381261	1
## 5416	132.54846	0.555862	-1
## 21945	156.00702	0.721738	-1
## 16427	110.42742	0.410838	1
## 11576	89.66687	0.607838	1
## 5307	102.36607	0.577738	1
## 14783	101.53922	0.610197	1
## 11893	106.51784	0.543582	1
## 15232	135.38734	0.540312	1
## 6267	103.86713	0.804928	-1
## 6591	115.87770	0.854368	1
## 10635	131.24219	0.344682	1
## 8777	98.57906	0.760387	1
## 11813	102.50417	0.844772	1
## 11128	148.07503	0.706452	-1
## 9524	122.55754	0.249273	1
## 20922	125.05308	0.566412	1
## 13878	111.84112	0.396281	1
## 5376	118.48614	0.467611	-1
## 8363	89.75633	0.454389	1
## 14883	100.44723	0.657745	1
## 18673	87.57291	0.205283	1
## 9758	123.05064	0.678377	-1
## 5914	91.89119	0.465272	1
## 5124	143.25794	0.783246	-1
## 8879	140.18211	0.763311	-1
## 2738	131.75885	0.355739	-1
## 5569	149.16187	0.772405	-1
## 21502	139.99644	0.405006	-1
## 14782	100.67572	0.455469	1
## 899	141.04950	0.877108	-1
## 5131	114.60068	0.335413	-1
## 5849	146.68410	0.719288	-1
## 16931	91.15331	0.572299	1
## 12328	137.59456	0.685476	1
## 13921	130.99951	0.496998	1

## 9596	110.99680	0.484508	-1
## 8873	135.59349	0.534500	-1
## 368	109.52356	0.817885	1
## 164	118.21835	0.389495	1
## 2373	113.57332	0.634104	1
## 17764	153.54448	0.615769	-1
## 10120	131.27069	0.644239	1
## 11021	103.52377	0.310917	-1
## 1034	126.05161	0.588086	-1
## 13625	127.03211	0.296021	1
## 280	64.73813	0.348660	1
## 325	159.60001	0.383660	1
## 13949	117.81229	0.302422	1
## 22033	125.60733	0.714910	-1
## 16097	93.56551	0.122635	1
## 7925	131.66736	0.364736	-1
## 16244	133.66556	0.779483	1
## 21678	127.56168	0.344368	1
## 7897	112.31833	0.507749	-1
## 5603	130.61955	0.647101	-1
## 12315	69.23072	0.510975	1
## 12118	128.29341	0.126481	-1
## 4940	117.08163	0.494120	1
## 13392	138.88063	0.671982	1
## 20338	142.03290	0.723160	1
## 17265	105.89558	0.392767	-1
## 2077	93.03590	0.556936	1
## 5945	136.46173	0.431195	1
## 12319	78.92923	0.607243	1
## 10816	124.85265	0.385780	1
## 10854	99.80910	0.465018	1
## 17333	88.91688	0.533506	1
## 22372	136.74886	0.480045	-1
## 13963	102.37553	0.561566	1
## 20704	150.88698	0.392254	-1
## 20125	145.99736	0.341242	1
## 1364	119.61646	0.345545	1
## 1867	137.44710	0.408382	1
## 22282	134.12267	0.677186	1
## 6884	143.83446	0.628606	-1
## 15693	94.86076	0.524636	-1
## 15237	111.78252	0.611488	1
## 16139	102.67381	0.281659	1
## 33	109.51063	0.367148	1
## 20210	143.56003	0.565025	1
## 22335	92.76990	0.367579	1
## 14004	132.08720	0.440147	-1
## 21298	108.86041	0.238921	-1
## 22168	108.97845	0.466679	1
## 16433	122.89840	0.747258	1
## 18416	120.45367	0.553432	1
## 19171	96.53853	0.218378	1
## 4388	115.22000	0.793587	-1
## 2797	142.82893	0.531087	-1

## 3638	125.81396	0.533538	1
## 8121	139.48257	0.837987	1
## 467	157.55238	0.413984	1
## 4096	99.84766	0.391054	1
## 2933	134.25090	0.754010	1
## 20879	118.08963	0.104971	1
## 2097	135.09729	0.871207	-1
## 11748	144.61548	0.710217	-1
## 17785	106.85982	0.303971	1
## 19695	126.00228	0.611615	-1
## 21522	113.83298	0.359596	-1
## 3983	123.38473	0.852976	-1
## 6451	98.07616	0.293335	1
## 1529	127.75331	0.824674	-1
## 4624	118.75571	0.835318	1
## 634	126.54237	0.643413	1
## 11263	139.95277	0.731146	-1
## 1002	122.97002	0.476977	-1
## 1239	133.42610	0.764981	-1
## 1473	119.98678	0.621145	1
## 6692	117.95857	0.507418	-1
## 18207	110.31726	0.340675	1
## 15604	115.02874	0.448393	1
## 20876	130.53784	0.284795	1
## 21542	116.89226	0.313261	-1
## 14949	124.48317	0.662700	1
## 9140	134.05002	0.382223	-1
## 945	81.77262	0.693361	1
## 3219	98.41504	0.645189	-1
## 19432	113.11390	0.476891	1
## 3518	97.99330	0.432487	1
## 553	103.20709	0.753405	1
## 5529	108.05870	0.225760	-1
## 18275	153.46603	0.656556	-1
## 15182	96.54485	0.712282	1
## 4826	97.17052	0.855355	1
## 4361	124.63264	0.503633	-1
## 3193	107.95187	0.696460	1
## 13758	129.71579	0.556083	-1
## 19051	134.30528	0.768820	1
## 10550	113.05155	0.831701	1
## 22490	101.31433	0.496383	1
## 16035	134.12083	0.415591	1
## 8385	120.72813	0.765281	1
## 1306	82.36277	0.338036	1
## 14931	121.41551	0.096098	1
## 11552	91.08278	0.438853	1
## 18063	109.96543	0.486532	1
## 15630	100.00126	0.511164	1
## 17953	148.16898	0.428229	-1
## 18822	126.60387	0.584844	-1
## 4541	114.95022	0.837062	1
## 10506	79.56605	0.734641	1
## 6679	147.19997	0.373331	-1

## 6008	129.74307	0.484035	1
## 13080	137.51045	0.331407	-1
## 16434	123.61659	0.552423	1
## 9918	135.00961	0.832504	1
## 16639	141.04492	0.617931	1
## 241	129.94238	0.310236	1
## 17034	94.77530	0.693186	1
## 9807	115.91599	0.762017	-1
## 16634	72.69616	0.686497	1
## 2751	99.06480	0.316796	1
## 12327	123.02096	0.500266	1
## 17329	90.17297	0.554448	1
## 20981	129.22806	0.385970	1
## 4090	108.42591	0.558118	1
## 12312	88.19582	0.587273	1
## 11680	137.57117	0.684556	1
## 3958	139.18529	0.736832	1
## 6605	147.37151	0.486290	1
## 19035	141.02097	0.741713	1
## 14072	139.38351	0.422927	-1
## 13011	132.01457	0.772195	1
## 12765	107.07027	0.824861	1
## 10085	149.49777	0.648394	-1
## 13805	114.14665	0.659129	1
## 815	142.12865	0.813914	-1
## 6566	103.12152	0.479019	1
## 14339	133.48700	0.755246	1
## 13299	144.21307	0.713433	-1
## 21402	118.94331	0.425623	1
## 993	127.55866	0.704750	-1
## 8082	151.69827	0.386315	-1
## 21442	150.75697	0.501728	-1
## 7227	129.73253	0.480759	-1
## 7685	105.50867	0.583906	1
## 329	111.45224	0.327990	1
## 830	94.56970	0.544813	1
## 19775	90.58135	0.115534	1
## 4689	121.71993	0.297200	1
## 15627	105.67947	0.795107	1
## 2556	114.36988	0.439927	-1
## 12274	111.78047	0.737998	-1
## 4612	103.14552	0.302846	1
## 21027	123.28050	0.714814	1
## 10148	139.92219	0.389739	1
## 20693	130.46710	0.328883	-1
## 5728	105.77333	0.760434	1
## 18461	129.47372	0.340462	-1
## 5156	105.81737	0.318818	1
## 12866	147.49734	0.509771	1
## 422	136.92235	0.381537	1
## 5068	95.90120	0.772423	1
## 5259	123.65977	0.671158	1
## 7454	88.87635	0.570405	1
## 1591	112.68205	0.824971	-1

## 8947	123.76202	0.261802	-1
## 11457	121.46146	0.286589	1
## 10	124.33065	0.678812	1
## 12383	118.76966	0.445363	-1
## 18376	78.48135	0.398629	1
## 3515	105.17111	0.503770	1
## 1992	143.72920	0.704255	-1
## 17733	104.19297	0.382214	1
## 12540	133.39528	0.708721	1
## 17218	140.54524	0.568482	-1
## 20336	142.39157	0.736806	1
## 18579	137.36726	0.636768	-1
## 13456	100.68215	0.158558	1
## 1638	123.69085	0.692655	-1
## 19299	83.45112	0.429574	-1
## 2774	141.25503	0.742055	-1
## 6890	139.74623	0.651289	-1
## 22408	138.39050	0.523834	-1
## 13273	144.54341	0.603123	-1
## 5545	136.07938	0.370330	-1
## 10783	105.18675	0.463039	1
## 6563	91.14351	0.494901	1
## 16450	112.50417	0.582914	1
## 10186	95.03215	0.450014	1
## 16137	130.06661	0.430124	1
## 8274	104.82230	0.476512	1
## 5037	101.05756	0.211986	1
## 18481	105.27807	0.566622	-1
## 4824	108.39717	0.781534	1
## 16460	114.99129	0.815042	1
## 2856	83.05956	0.591003	1
## 21591	126.82055	0.303598	1
## 5793	116.88609	0.713787	1
## 16311	124.01041	0.394810	1
## 9398	133.17352	0.254447	-1
## 1215	117.32800	0.616512	1
## 7653	122.93951	0.811400	1
## 12774	87.47363	0.322817	1
## 10445	129.39561	0.318314	1
## 19410	131.75290	0.275833	1
## 17434	128.49959	0.433984	-1
## 16997	127.25577	0.493203	1
## 10138	144.33142	0.563874	1
## 6419	130.64416	0.680477	1
## 15302	134.43657	0.773590	1
## 2316	150.87860	0.748416	-1
## 6457	107.73646	0.266217	1
## 8552	105.19342	0.377431	1
## 13945	128.61060	0.210244	1
## 3895	123.98790	0.685612	1
## 962	142.49339	0.474937	1
## 3227	119.56363	0.862191	-1
## 20805	123.15472	0.715575	1
## 18843	129.09659	0.322105	-1

## 8889	120.68627	0.398753	-1
## 10755	130.39334	0.409941	1
## 1263	134.50015	0.796844	-1
## 21611	119.46452	0.585218	1
## 20910	137.46089	0.432349	-1
## 22475	131.20436	0.420939	1
## 20857	125.36979	0.502778	1
## 12359	142.84291	0.600987	-1
## 10022	141.06663	0.610812	-1
## 6687	123.50828	0.830867	-1
## 6198	96.66635	0.624455	1
## 13658	96.23662	0.264430	1
## 16958	80.33808	0.362359	1
## 4592	102.49741	0.696476	1
## 5909	151.99095	0.745920	-1
## 19449	137.98058	0.773968	1
## 21318	116.21195	0.595780	-1
## 18556	145.80609	0.553666	-1
## 11118	142.47592	0.776433	-1
## 10089	115.21512	0.229630	1
## 17729	115.71656	0.777279	1
## 8435	117.49257	0.751756	1
## 9078	112.81303	0.221916	1
## 13023	102.36862	0.397823	1
## 8327	142.21539	0.663701	1
## 929	107.61664	0.909981	1
## 1359	120.68085	0.796867	1
## 3984	133.86566	0.948681	-1
## 14201	129.24260	0.585791	-1
## 16323	97.77262	0.281767	1
## 19894	123.92165	0.120080	1
## 16620	116.15942	0.880614	1
## 11355	86.38859	0.419095	1
## 7225	132.52432	0.579669	-1
## 5940	109.49685	0.425168	1
## 18591	135.67726	0.571001	-1
## 12601	113.84210	0.607019	1
## 5004	122.30299	0.556606	1
## 16043	108.44989	0.743714	1
## 20531	136.80206	0.644901	-1
## 13395	119.96763	0.785746	1
## 3533	69.44062	0.639592	1
## 12416	113.96109	0.645985	1
## 1160	137.86144	0.513816	-1
## 10284	100.41673	0.857647	1
## 3785	103.27426	0.725221	1
## 348	117.40334	0.744147	1
## 2139	115.62612	0.633970	1
## 6079	156.96756	0.750993	-1
## 4833	106.34158	0.488562	1
## 21685	140.06114	0.806454	1
## 9033	101.66231	0.222801	1
## 10981	128.76535	0.416783	-1
## 7111	121.71055	0.615043	1

## 19418	111.17681	0.344784	1
## 5317	95.49952	0.357657	1
## 1622	124.50121	0.799069	-1
## 754	97.54848	0.288240	1
## 17926	136.95369	0.372760	-1
## 13360	110.91527	0.241578	1
## 1865	114.57750	0.540155	1
## 7257	125.81130	0.383608	1
## 9715	110.30370	0.408374	1
## 22059	97.01356	0.352720	1
## 21865	96.11034	0.871663	1
## 18647	116.55817	0.796953	1
## 19022	109.56905	0.340186	1
## 3272	116.64992	0.804332	-1
## 17243	112.03134	0.310604	-1
## 19661	151.35545	0.554208	-1
## 19395	117.45401	0.603728	-1
## 8902	140.05154	0.627060	-1
## 18323	103.35056	0.636617	1
## 14827	134.97745	0.785307	1
## 965	122.11176	0.593044	1
## 9625	125.17016	0.453604	-1
## 3079	103.00530	0.858062	1
## 19084	123.15461	0.455153	1
## 15445	112.15292	0.564292	1
## 13177	128.08325	0.252051	1
## 19331	98.35645	0.342995	-1
## 3391	129.54181	0.883366	1
## 5785	142.17381	0.824130	1
## 13152	138.59757	0.510339	1
## 4763	116.56546	0.214643	1
## 2519	116.54701	0.578676	1
## 12694	107.59417	0.423482	1
## 16709	115.97772	0.401652	1
## 12953	111.74769	0.683717	1
## 1858	120.47751	0.620649	1
## 14056	126.79205	0.640168	-1
## 10034	140.62865	0.772282	-1
## 4020	102.09161	0.503643	-1
## 13000	106.71355	0.319838	1
## 22272	99.01938	0.606178	1
## 429	124.30298	0.531656	1
## 18602	118.21167	0.432209	-1
## 6889	134.15097	0.592994	-1
## 5951	128.28481	0.533078	1
## 7420	88.37462	0.298946	1
## 1344	153.04843	0.751638	-1
## 8030	129.85568	0.326640	-1
## 22433	141.79181	0.702060	-1
## 18733	112.43172	0.330917	1
## 7341	119.14033	0.607440	1
## 12676	75.26672	0.409393	1
## 5449	96.32066	0.764017	1
## 7861	118.76419	0.397488	1

## 21606	81.27278	0.265940	1
## 10615	115.43876	0.251415	1
## 14803	117.26736	0.588963	1
## 18788	117.66517	0.403699	-1
## 4558	102.36547	0.477217	1
## 10552	115.94411	0.293217	1
## 22175	111.08024	0.379063	1
## 11896	81.64053	0.694979	1
## 15951	80.50821	0.602005	1
## 18341	110.87991	0.817281	1
## 2524	108.27332	0.529004	1
## 17181	90.98068	0.286136	1
## 5524	128.88409	0.744790	-1
## 15559	98.74435	0.868619	1
## 18642	140.19373	0.516950	-1
## 13979	139.15887	0.336010	-1
## 19767	138.56432	0.208200	1
## 17019	117.69156	0.888735	1
## 2059	99.03637	0.310626	1
## 11043	124.71340	0.805598	-1
## 19224	125.84097	0.788083	1
## 13204	120.09827	0.188863	1
## 3183	77.61571	0.291704	1
## 5887	153.46971	0.652691	-1
## 20331	141.20877	0.673744	1
## 18514	113.56696	0.489901	-1
## 12714	106.41201	0.720357	1
## 6392	132.73399	0.492772	1
## 5184	100.16201	0.539701	1
## 3927	111.55483	0.358465	1
## 10964	102.35249	0.503820	-1
## 2343	121.91994	0.866759	1
## 13042	109.32051	0.433931	1
## 20911	122.07957	0.484697	-1
## 3596	112.25555	0.725311	-1
## 10936	88.21270	0.218084	1
## 14631	100.12759	0.390429	-1
## 15138	118.31409	0.578597	1
## 12969	127.29880	0.624935	1
## 3961	58.92238	0.400412	1
## 9189	106.27348	0.370214	-1
## 12799	119.99215	0.809626	1
## 11364	118.39509	0.553311	1
## 17345	97.77939	0.535824	1
## 14361	121.52783	0.706951	1
## 17515	96.43924	0.590906	1
## 4133	112.03445	0.584509	1
## 7071	139.74077	0.627875	1
## 19742	130.75450	0.315679	-1
## 1835	121.82407	0.487413	1
## 18211	119.09705	0.307923	1
## 1909	98.82371	0.322511	-1
## 274	119.70010	0.518802	1
## 2000	133.05916	0.798908	-1

## 11543	123.76794	0.685047	1
## 7416	124.86725	0.769767	1
## 1885	135.70279	0.763173	-1
## 7736	122.98936	0.339501	1
## 2470	145.10753	0.740418	-1
## 13491	145.60494	0.683181	-1
## 1724	114.14629	0.862821	-1
## 6695	131.00090	0.487043	-1
## 8027	134.49124	0.290275	-1
## 13096	141.08727	0.581548	-1
## 14750	113.02874	0.595903	1
## 2194	118.25807	0.569190	-1
## 5304	104.65601	0.836681	1
## 21859	107.68835	0.371002	1
## 8405	86.03452	0.331955	1
## 2734	131.12772	0.352149	-1
## 19419	101.89979	0.226988	1
## 17163	105.28097	0.290853	-1
## 8106	140.98280	0.498072	1
## 8584	127.95863	0.703107	1
## 5970	145.77650	0.548995	1
## 1652	126.22762	0.663452	-1
## 14366	128.17897	0.212923	1
## 536	91.83919	0.547320	1
## 3263	133.57280	0.519913	-1
## 18520	144.08630	0.359838	-1
## 13749	112.48480	0.406119	-1
## 9671	108.45228	0.511290	1
## 8618	147.45129	0.585835	-1
## 14010	134.26099	0.468587	-1
## 8471	162.64540	0.694059	-1
## 1993	141.70944	0.808881	-1
## 105	118.59423	0.373571	1
## 18500	132.63107	0.581596	-1
## 11153	133.09139	0.266553	-1
## 7104	112.17301	0.418429	1
## 14230	121.38149	0.388361	-1
## 1805	146.46271	0.817292	-1
## 12507	102.56537	0.691998	1
## 95	106.88685	0.621615	1
## 14861	140.45399	0.398712	1
## 7780	136.94574	0.716204	1
## 5834	152.25552	0.736964	-1
## 11730	123.58472	0.455353	-1
## 19592	98.90971	0.291608	-1
## 12869	147.01764	0.283524	1
## 16821	119.60561	0.557406	1
## 8835	96.42590	0.467375	1
## 1139	137.81865	0.827499	-1
## 10023	147.18796	0.689244	-1
## 4398	119.44436	0.262429	1
## 8894	118.66960	0.600503	-1
## 10920	133.94034	0.429695	1
## 14985	149.36763	0.157279	1

## 9714	139.08562	0.301671	1
## 512	111.14574	0.459624	1
## 14505	127.96880	0.590204	-1
## 7033	139.52597	0.619443	-1
## 11886	143.27559	0.331820	1
## 21849	95.10883	0.355927	1
## 9859	133.94029	0.658703	1
## 5634	147.03332	0.602160	-1
## 6067	150.45938	0.479550	-1
## 4669	120.08516	0.306255	1
## 3509	111.72367	0.256972	1
## 16544	99.16036	0.487674	1
## 10641	130.27161	0.394304	1
## 2674	95.76043	0.776421	-1
## 22204	139.07684	0.795484	-1
## 17964	106.65007	0.469675	1
## 20322	145.83313	0.432802	1
## 1198	100.76508	0.578746	1
## 18884	98.80308	0.284320	1
## 14641	128.30449	0.337790	-1
## 5104	90.79874	0.713777	1
## 4497	109.32187	0.622522	1
## 10037	138.18320	0.730161	-1
## 1589	109.09994	0.787406	-1
## 7039	121.53365	0.257647	-1
## 11993	130.87776	0.344411	1
## 366	113.83838	0.824402	1
## 15449	110.16866	0.695104	1
## 8531	99.87076	0.582572	1
## 15931	129.62175	0.265251	-1
## 21478	142.04878	0.766535	-1
## 20680	131.06200	0.206769	-1
## 19269	135.64928	0.609501	-1
## 13013	138.10603	0.658661	1
## 16513	123.94395	0.780877	1
## 18695	135.44507	0.752014	1
## 16624	90.71811	0.401108	1
## 11564	127.89202	0.328654	1
## 22454	131.10562	0.257040	-1
## 2124	131.28592	0.669893	-1
## 10659	78.51828	0.688416	1
## 9386	78.24506	0.459849	-1
## 431	95.75824	0.528397	1
## 2389	114.84287	0.376441	-1
## 1036	134.16640	0.901658	-1
## 10812	115.13319	0.436125	1
## 14792	113.82268	0.549836	1
## 4064	99.22360	0.400412	1
## 6177	88.15723	0.363710	1
## 14501	142.99242	0.749595	-1
## 7882	126.76814	0.464839	-1
## 7885	141.57271	0.506530	-1
## 7538	114.49665	0.360665	-1
## 6422	106.30504	0.319604	1

## 20056	108.95871	0.399774	-1
## 18750	118.79441	0.482189	1
## 19923	126.62627	0.511495	1
## 16874	107.53695	0.489822	1
## 8412	84.42409	0.247124	1
## 22387	131.19928	0.468910	-1
## 22250	120.39555	0.398035	1
## 15213	112.39505	0.440996	1
## 12806	114.65679	0.512037	1
## 2862	127.63752	0.622812	1
## 16458	110.38309	0.666421	1
## 8903	119.17529	0.312313	-1
## 2852	110.09003	0.675245	1
## 20885	103.64419	0.203514	1
## 8600	99.73106	0.769429	1
## 1088	105.56243	0.664762	1
## 5659	116.07034	0.428527	-1
## 2675	117.22758	0.988093	-1
## 12338	144.72272	0.693307	-1
## 2925	126.23791	0.830792	1
## 19938	113.22667	0.566383	1
## 3783	119.75010	0.415567	1
## 2812	134.47577	0.805608	-1
## 18157	105.57597	0.576665	1
## 4793	113.62358	0.647799	1
## 20665	126.67869	0.310550	-1
## 16867	105.55428	0.838324	1
## 17692	89.34379	0.301657	1
## 17187	150.93935	0.264908	1
## 19348	150.42772	0.287857	-1
## 15473	122.74328	0.773130	1
## 14130	125.79527	0.267329	1
## 21569	118.80740	0.848552	-1
## 299	151.16524	0.684318	1
## 15599	86.17477	0.685657	1
## 11501	103.09737	0.320951	1
## 7799	127.67070	0.755237	1
## 557	120.44177	0.512265	1
## 20818	101.87171	0.398482	1
## 12049	91.29783	0.438823	1
## 10695	128.92230	0.823884	1
## 8285	111.76797	0.487936	1
## 19907	114.39665	0.230456	1
## 21512	158.95964	0.431449	-1
## 8884	142.57387	0.467546	-1
## 5656	149.37666	0.455431	-1
## 19453	125.16612	0.656491	1
## 10759	127.57560	0.387404	1
## 13803	133.48729	0.651354	1
## 17762	143.93907	0.549382	-1
## 5777	137.42143	0.503065	1
## 19678	122.62537	0.154798	-1
## 16636	121.22063	0.669709	1
## 13138	115.74299	0.155556	1

## 6783	137.71979	0.793361	1
## 16611	120.13724	0.839743	1
## 20765	126.79844	0.235806	-1
## 7030	134.07638	0.694053	-1
## 7478	139.79065	0.848811	1
## 13166	144.19739	0.770697	1
## 9915	129.74654	0.211130	1
## 18646	124.15202	0.664718	1
## 4011	125.96283	0.803626	-1
## 15577	83.76144	0.304750	1
## 5194	116.29100	0.751801	1
## 21794	126.22226	0.539153	-1
## 14523	126.50436	0.323248	-1
## 4843	127.26491	0.419667	1
## 12874	158.42011	0.214127	1
## 8858	97.54765	0.386301	1
## 19185	126.43931	0.294933	1
## 21348	132.02458	0.756639	1
## 13683	133.20270	0.661688	1
## 11267	148.71382	0.699437	-1
## 16692	107.10311	0.399038	1
## 15555	141.46587	0.764077	1
## 10418	98.87562	0.405023	1
## 16350	131.37178	0.701354	1
## 1495	140.95489	0.710741	-1
## 10160	126.59813	0.606069	1
## 11102	124.67621	0.260208	-1
## 11424	126.39413	0.399407	1
## 10850	98.25021	0.597542	1
## 12930	137.31143	0.428433	1
## 6274	104.98328	0.819320	-1
## 12826	137.77103	0.375327	1
## 7394	137.13594	0.680731	-1
## 17834	77.21248	0.752024	1
## 20689	123.57079	0.662786	-1
## 10844	79.65585	0.456348	1
## 4253	134.57927	0.527002	1
## 835	77.21688	0.657813	1
## 2342	95.06945	0.647990	1
## 12029	113.74163	0.693584	1
## 16934	91.25551	0.624327	1
## 11669	132.39935	0.660844	1
## 3626	118.65239	0.407550	1
## 13114	125.00916	0.567398	1
## 3212	141.29198	0.570845	-1
## 1322	100.93058	0.544990	1
## 20720	128.52754	0.425693	-1
## 13131	108.56482	0.520467	1
## 5949	139.00694	0.390875	1
## 777	101.38613	0.719400	1
## 5339	110.55920	0.557696	-1
## 2669	95.57912	0.865140	-1
## 17450	131.61446	0.223308	-1
## 22365	121.28211	0.312090	-1

## 20794	143.04219	0.694170	-1
## 2801	136.47508	0.329497	-1
## 8283	115.14642	0.486407	1
## 18004	88.91614	0.431239	1
## 16246	120.66108	0.908568	1
## 21789	135.22359	0.808947	-1
## 4030	115.58939	0.440916	-1
## 2336	140.65718	0.316079	-1
## 19761	121.80412	0.228961	1
## 2922	150.69791	0.786710	1
## 8732	142.59134	0.691657	1
## 19230	136.68504	0.705168	1
## 4348	139.88762	0.769491	-1
## 1706	144.93053	0.785457	-1
## 14488	139.72198	0.777651	-1
## 22415	110.07021	0.364239	1
## 21207	107.11489	0.657453	-1
## 18585	141.36346	0.567334	-1
## 17296	130.89676	0.354736	-1
## 1517	121.26374	0.758411	-1
## 9964	134.42050	0.716384	-1
## 1977	117.37408	0.839721	-1
## 10280	88.93240	0.832216	1
## 14973	100.96433	0.151632	1
## 9074	133.80722	0.249848	1
## 20783	151.95167	0.581844	-1
## 1742	109.40577	0.493666	1
## 4720	73.72707	0.178890	1
## 18243	128.65877	0.497767	1
## 3379	104.09654	0.454491	1
## 4832	114.47662	0.561559	1
## 9688	133.62448	0.508695	1
## 8142	115.50881	0.383885	1
## 6245	125.56686	0.355522	1
## 4118	110.31162	0.920435	1
## 2456	129.46368	0.741920	1
## 20412	112.64806	0.558370	-1
## 2016	112.31878	0.647541	-1
## 8034	146.17375	0.246071	-1
## 19942	123.46035	0.653691	1
## 16901	108.90819	0.339529	1
## 9650	131.19983	0.515574	1
## 141	96.36031	0.296201	1
## 15128	85.61359	0.460696	1
## 7845	112.02295	0.415167	1
## 16775	114.32230	0.894068	1
## 1393	87.55650	0.565959	1
## 6834	127.13020	0.350465	1
## 21449	118.72694	0.503483	-1
## 7405	137.44548	0.333188	1
## 613	132.42480	0.484863	1
## 6705	132.98477	0.840904	-1
## 14291	108.34024	0.326908	-1
## 158	124.74567	0.351107	1

## 14987	148.42235	0.920879	1
## 1882	133.41293	0.608234	-1
## 18894	95.83360	0.520283	1
## 271	115.55118	0.255559	1
## 3631	103.69576	0.589880	1
## 20554	122.10529	0.535534	1
## 20482	151.00273	0.751163	-1
## 11161	119.41488	0.622926	1
## 22252	140.34506	0.433798	1
## 12539	115.96182	0.421588	1
## 6135	114.16465	0.819195	1
## 17469	118.69558	0.407155	1
## 21915	143.79677	0.739396	-1
## 16741	97.50168	0.425728	1
## 12175	114.64647	0.591561	-1
## 15011	116.74527	0.436104	1
## 10867	99.91013	0.568213	1
## 19190	117.85223	0.360851	1
## 8278	92.00488	0.781667	1
## 1255	140.08684	0.750713	-1
## 4147	101.42751	0.869033	1
## 17026	135.39780	0.232647	1
## 7560	154.01077	0.175553	-1
## 5378	131.25468	0.551719	-1
## 20954	74.99540	0.579251	1
## 10810	112.50319	0.589001	1
## 22028	142.29575	0.355863	-1
## 21472	129.10236	0.322371	-1
## 4493	93.10332	0.827097	1
## 9655	84.12888	0.229919	1
## 10672	110.59679	0.299972	1
## 9340	125.35859	0.201547	1
## 1035	137.57083	0.415595	-1
## 14330	113.50637	0.278005	1
## 12703	117.13387	0.260556	1
## 10653	99.40518	0.616072	1
## 3892	125.08923	0.494816	1
## 17568	133.67755	0.255748	-1
## 17121	120.75761	0.620760	-1
## 11077	143.51054	0.554995	-1
## 2498	132.41977	0.521105	1
## 11670	133.60858	0.573877	1
## 18020	118.25836	0.446075	1
## 8760	119.20977	0.337628	1
## 5919	104.18391	0.310380	1
## 13643	131.77951	0.757447	1
## 12522	85.60085	0.777516	1
## 22449	113.10866	0.620796	-1
## 12205	121.29260	0.823085	-1
## 12252	105.60288	0.497261	-1
## 15792	117.07404	0.480678	1
## 8353	93.89739	0.276711	1
## 16716	129.34384	0.474444	1
## 10487	147.58212	0.830355	1

## 8040	129.42326	0.547730	-1
## 7400	131.93495	0.607552	-1
## 20753	149.26100	0.677513	-1
## 9470	105.03266	0.604584	1
## 11860	121.93805	0.638216	1
## 6827	91.08111	0.534344	1
## 6818	120.59171	0.469588	-1
## 1336	94.34141	0.553071	-1
## 3159	101.83173	0.911038	1
## 8025	131.75858	0.368288	-1
## 16926	120.32552	0.677295	1
## 13962	134.38039	0.484181	1
## 12898	113.37883	0.553392	1
## 16891	93.91328	0.502672	1
## 12800	130.03146	0.580991	1
## 4923	120.77110	0.817679	1
## 22184	134.19665	0.356965	-1
## 20652	118.69368	0.256339	1
## 20136	137.77808	0.420604	1
## 21080	140.20418	0.715613	1
## 18684	104.42551	0.364176	1
## 7698	116.69602	0.455784	-1
## 15983	89.35273	0.459770	1
## 15437	113.79085	0.639727	1
## 20354	146.66054	0.671255	-1
## 18417	143.83461	0.714388	-1
## 3552	104.07276	0.688878	1
## 4186	147.10754	0.672795	-1
## 16200	111.18455	0.386591	1
## 9259	117.42130	0.269023	1
## 14845	118.31771	0.506072	1
## 1223	119.19759	0.528564	1
## 14453	118.64526	0.278743	-1
## 10117	122.51238	0.193000	1
## 18330	103.93586	0.285878	1
## 6105	119.48971	0.364414	1
## 15615	89.02982	0.302347	1
## 9365	110.90684	0.295472	1
## 8443	124.51102	0.421007	1
## 3743	101.34061	0.641869	1
## 19898	99.83109	0.283714	1
## 12077	92.13534	0.606871	1
## 6981	108.99560	0.416238	1
## 16456	115.56422	0.818578	1
## 7594	146.99780	0.409038	-1
## 3117	144.17403	0.778879	-1
## 5303	107.50905	0.595114	1
## 4448	114.95049	0.312339	1
## 3933	75.18559	0.328480	1
## 8065	147.43855	0.584566	-1
## 4578	90.39670	0.454096	1
## 75	86.62927	0.431985	1
## 13199	102.52651	0.498795	1
## 12594	88.55683	0.672544	1

## 11615	114.62680	0.344408	1
## 7425	105.77579	0.425112	1
## 1786	107.19354	0.636557	1
## 16608	101.84238	0.274304	1
## 16616	107.03770	0.428289	1
## 17942	143.24857	0.591560	-1
## 3175	123.28268	0.448209	1
## 15096	97.44108	0.619109	1
## 21872	117.61848	0.888206	1
## 11687	149.96825	0.570591	1
## 16125	86.89976	0.467194	1
## 14532	115.50172	0.368875	-1
## 3471	105.46359	0.707391	1
## 2144	96.31310	0.733030	1
## 12854	114.04045	0.295867	1
## 10349	119.74585	0.880788	1
## 20824	98.20504	0.237567	1
## 21152	127.42890	0.524056	1
## 14005	113.05942	0.265879	-1
## 9576	130.83984	0.225845	-1
## 14657	136.82231	0.369684	-1
## 13991	140.80783	0.382267	-1
## 17800	103.83369	0.786075	1
## 4891	107.73638	0.754867	1
## 9329	106.82702	0.092970	1
## 568	138.85936	0.519380	-1
## 5799	103.08019	0.231567	1
## 3617	126.87750	0.303641	-1
## 9119	120.82632	0.633180	-1
## 9518	127.78142	0.199721	1
## 20601	99.74876	0.543675	1
## 20726	133.95459	0.345419	-1
## 2130	129.06076	0.672866	-1
## 149	139.87981	0.351657	1
## 3693	121.22454	0.954578	1
## 4500	128.38805	0.520090	1
## 15515	113.85354	0.499304	1
## 19993	115.56021	0.500158	-1
## 4480	124.55663	0.743697	1
## 21916	131.23575	0.702181	-1
## 10196	114.89304	0.326539	1
## 6650	151.67604	0.611446	-1
## 6006	96.05198	0.427005	1
## 5480	103.48204	0.672044	1
## 1795	148.86523	0.670413	-1
## 6164	111.32913	0.631040	1
## 19636	101.70139	0.217971	-1
## 4740	100.44345	0.800492	1
## 11122	138.41684	0.622323	-1
## 6970	126.11598	0.663042	1
## 8866	123.55535	0.298718	1
## 15819	106.26255	0.575309	1
## 6606	133.98325	0.528660	1
## 20791	148.24893	0.668076	-1

## 3217	117.98006	0.803883	-1
## 1232	121.81245	0.913386	1
## 3557	131.42058	0.917039	-1
## 17005	141.70204	0.525346	1
## 16046	81.73875	0.428884	1
## 7139	136.59602	0.642943	-1
## 10261	112.74548	0.302661	1
## 9476	123.55633	0.511655	1
## 14494	133.31557	0.589520	-1
## 17493	140.75629	0.711988	1
## 10240	116.13780	0.463987	1
## 5483	136.10770	0.613369	1
## 4930	137.22838	0.778649	1
## 21159	92.41837	0.219232	1
## 8272	100.54225	0.645905	1
## 1008	104.23251	0.672368	-1
## 10647	102.04363	0.162056	1
## 12187	137.56348	0.525862	-1
## 9450	112.55664	0.201028	1
## 17378	92.44416	0.476737	1
## 13624	128.07045	0.202973	1
## 3056	92.49691	0.510758	1
## 19517	133.96355	0.398713	-1
## 12596	137.65739	0.269072	1
## 2411	132.06314	0.488542	1
## 16298	112.73585	0.465984	1
## 14042	130.86070	0.398240	-1
## 17925	148.05017	0.584820	-1
## 17943	141.89265	0.679910	-1
## 16505	67.94723	0.643432	1
## 20984	131.73471	0.217362	1
## 8619	146.71782	0.763166	-1
## 5065	113.16915	0.880487	1
## 20529	146.79279	0.716645	-1
## 3245	137.51602	0.818668	-1
## 3074	120.84278	0.689509	1
## 4231	113.52180	0.469772	-1
## 17308	122.71890	0.293971	-1
## 11365	108.11098	0.672133	1
## 13970	93.60635	0.308544	1
## 9521	86.88546	0.206388	1
## 21842	115.81617	0.367831	1
## 2896	121.61171	0.761945	1
## 9547	126.49558	0.208649	-1
## 7752	87.63165	0.330523	1
## 6629	127.66394	0.228923	-1
## 500	124.64273	0.380315	1
## 775	94.52020	0.576782	1
## 20776	143.24821	0.611990	-1
## 10313	117.90373	0.568000	1
## 2322	147.81520	0.749675	-1
## 7326	105.62487	0.485438	1
## 12044	79.31131	0.577869	1
## 17076	135.05942	0.473717	-1

## 19437	78.30841	0.489406	1
## 10897	113.40932	0.853919	1
## 12702	107.09393	0.524622	1
## 19183	105.70180	0.323743	1
## 18143	105.72315	0.648793	1
## 6087	142.30852	0.671143	-1
## 4120	91.69862	0.852492	1
## 2128	111.60569	0.739570	-1
## 6700	142.56909	0.519002	-1
## 11320	100.44586	0.495853	1
## 20252	116.63614	0.637258	1
## 5837	158.56317	0.732610	-1
## 21012	139.58865	0.392116	1
## 1526	123.41256	0.751487	-1
## 8444	111.13898	0.775057	1
## 1762	117.58353	0.463759	1
## 8427	120.41848	0.658381	1
## 10616	78.31924	0.211169	1
## 10211	108.64583	0.659735	1
## 294	135.96249	0.515974	1
## 10358	89.40061	0.423053	1
## 18192	110.80567	0.328158	1
## 3194	111.84456	0.871262	1
## 19649	117.43482	0.183978	-1
## 18389	120.28165	0.841843	1
## 16869	112.38108	0.507900	1
## 15105	125.78954	0.575274	1
## 9900	123.16444	0.518670	1
## 3231	118.17352	0.686510	-1
## 3007	102.04640	0.328670	1
## 9665	129.03125	0.619470	1
## 12260	122.06122	0.185813	-1
## 5031	97.15878	0.298637	1
## 6943	116.89390	0.806755	1
## 14311	117.42818	0.234288	1
## 14021	136.36325	0.796187	-1
## 12677	94.88113	0.550716	1
## 2567	128.83031	0.518436	-1
## 8408	96.88998	0.268487	1
## 20150	154.99420	0.761686	1
## 7324	166.43806	0.423375	1
## 20551	151.18265	0.289394	-1
## 11792	99.99165	0.323530	1
## 140	95.49952	0.357657	1
## 19844	109.37177	0.712943	-1
## 970	78.11260	0.510644	1
## 17645	134.31190	0.856701	1
## 21225	133.45691	0.400955	-1
## 20648	94.53289	0.106958	1
## 11946	126.38110	0.846088	1
## 19095	158.51862	0.793545	1
## 8705	131.07690	0.721485	1
## 17339	101.54916	0.413730	1
## 15736	134.29599	0.446341	-1

## 14585	112.81704	0.649465	-1
## 3014	113.03404	0.522401	1
## 19914	105.36884	0.519555	1
## 12655	97.60773	0.819102	1
## 3826	149.26209	0.642517	-1
## 22152	127.39625	0.522901	-1
## 8487	138.57274	0.573794	-1
## 6423	121.77207	0.364583	1
## 15548	87.29884	0.343991	1
## 165	127.78378	0.530459	1
## 3087	105.99564	0.585898	-1
## 21951	155.24333	0.663553	-1
## 19053	132.12582	0.553521	1
## 4712	91.51520	0.376295	1
## 9572	128.26715	0.367965	-1
## 8924	141.96137	0.481339	-1
## 16399	111.81160	0.712980	1
## 2149	104.59303	0.689866	1
## 4234	101.49416	0.738827	-1
## 17495	113.27646	0.689912	1
## 3135	118.57331	0.739819	1
## 16568	92.59747	0.441816	1
## 17238	131.40208	0.243609	-1
## 1998	130.48166	0.518198	-1
## 11134	141.33841	0.533387	-1
## 333	125.77123	0.137851	1
## 5818	106.85587	0.308466	1
## 464	106.33713	0.311699	1
## 13317	141.42087	0.668633	-1
## 7201	118.46263	0.300633	-1
## 17496	145.65105	0.745418	1
## 21954	135.25661	0.487593	-1
## 17312	111.49898	0.351731	-1
## 11410	98.07539	0.546704	1
## 14493	140.71922	0.512052	-1
## 2582	120.90211	0.783596	-1
## 6266	111.07423	0.565370	-1
## 4694	107.73604	0.447659	1
## 1342	140.69360	0.322508	-1
## 9030	106.92684	0.123569	1
## 2558	123.15465	0.749861	-1
## 18448	149.05707	0.742539	-1
## 9005	92.59552	0.393901	-1
## 15845	92.90517	0.285785	-1
## 18402	111.47330	0.609009	1
## 3916	111.64580	0.510810	1
## 14620	107.61970	0.474653	-1
## 6706	138.92470	0.622861	-1
## 8639	142.02289	0.643140	-1
## 21005	127.79522	0.206833	1
## 12892	94.76672	0.865158	1
## 3896	114.89485	0.795783	1
## 11333	86.04712	0.506416	1
## 13681	132.12617	0.516042	1

## 9087	114.70434	0.134690	1
## 19701	104.42549	0.582218	-1
## 17268	118.27032	0.425344	-1
## 20520	123.80170	0.499614	-1
## 4127	111.47935	0.804699	1
## 21347	109.68838	0.367998	1
## 14211	130.21158	0.504485	-1
## 8498	125.97923	0.572201	1
## 3338	121.53946	0.361372	1
## 17592	110.48618	0.719539	-1
## 13082	125.59458	0.349431	-1
## 12772	88.30057	0.346177	1
## 3880	103.47327	0.491834	1
## 6256	93.11797	0.455618	1
## 19320	114.45397	0.217054	-1
## 17487	109.97227	0.395609	1
## 8386	121.19375	0.641379	1
## 20461	146.96524	0.731192	-1
## 20186	118.58160	0.352563	1
## 10128	143.88654	0.384695	1
## 8891	123.58131	0.483603	-1
## 12479	94.26541	0.303078	1
## 21657	129.78761	0.110924	1
## 10498	99.37091	0.444582	1
## 5712	148.52035	0.705333	-1
## 19610	117.16849	0.193624	-1
## 16548	86.74109	0.618557	1
## 8390	109.41163	0.472435	1
## 2156	84.26648	0.583694	1
## 6765	106.41419	0.581421	-1
## 5075	99.03561	0.436725	1
## 344	122.68973	0.277690	1
## 11811	104.47352	0.616612	1
## 21495	122.25598	0.527194	-1
## 10479	132.35739	0.414668	1
## 14799	92.21729	0.453072	1
## 16040	133.23541	0.820323	1
## 611	93.33497	0.377253	1
## 18803	96.07681	0.286201	-1
## 13218	131.02353	0.414040	-1
## 7445	104.59544	0.612949	1
## 8842	100.29087	0.594561	1
## 9839	114.20921	0.576165	1
## 9337	130.77365	0.465596	1
## 19019	95.50088	0.108175	1
## 2031	130.84325	0.555000	1
## 5046	133.82667	0.406065	1
## 3022	133.70529	0.446362	1
## 12311	69.25678	0.634203	1
## 7802	100.53013	0.456080	1
## 14223	134.35156	0.344739	-1
## 18194	113.37804	0.506514	1
## 8796	137.35555	0.373976	1
## 19018	115.92424	0.119015	1

## 7408	118.97843	0.408890	1
## 13900	112.08566	0.352052	1
## 15431	126.09202	0.292073	1
## 5916	95.33569	0.355635	1
## 10224	136.10406	0.569102	1
## 620	85.87421	0.522840	1
## 13172	131.46777	0.915682	1
## 17401	98.10276	0.292800	-1
## 5586	112.00308	0.712355	-1
## 10319	119.38580	0.407911	1
## 436	109.85003	0.421367	1
## 2047	132.16753	0.572556	1
## 19308	90.64327	0.214920	-1
## 14297	96.87683	0.203468	-1
## 10645	122.18881	0.235282	1
## 5614	150.20007	0.342103	-1
## 11688	133.53332	0.736034	1
## 3038	113.82841	0.656039	1
## 22262	130.86806	0.763011	1
## 4874	135.46254	0.807088	1
## 11534	110.10626	0.636425	1
## 15223	94.19967	0.524477	1
## 1970	89.57545	0.891537	-1
## 13505	133.85573	0.323522	-1
## 8433	100.88951	0.692657	1
## 19349	165.15442	0.364410	-1
## 2372	127.36831	0.585197	1
## 20992	143.98569	0.353249	1
## 10121	146.40097	0.766006	1
## 10979	109.68957	0.393407	-1
## 12484	95.54614	0.192353	1
## 5268	102.14524	0.874818	1
## 8392	116.16344	0.399274	1
## 6474	105.86829	0.807439	-1
## 7381	124.00763	0.461395	-1
## 1090	91.30701	0.271665	1
## 14651	122.39542	0.201762	-1
## 4722	84.40116	0.302237	1
## 5203	138.73932	0.535544	1
## 19225	139.14906	0.682078	1
## 19543	124.94222	0.672848	1
## 8535	125.22543	0.571130	1
## 4714	95.43572	0.296184	1
## 868	140.14348	0.722335	1
## 16454	118.03789	0.883494	1
## 17557	114.34539	0.294899	-1
## 22364	133.10594	0.488368	-1
## 365	80.19295	0.664326	1
## 22340	100.18362	0.454300	1
## 564	125.54305	0.612047	1
## 3820	110.87453	0.814553	-1
## 12974	130.48389	0.894391	1
## 17931	126.60192	0.318710	-1
## 2793	140.81184	0.659638	-1

## 20638	127.29674	0.220220	1
## 4162	94.29761	0.790830	-1
## 15008	99.39985	0.410114	1
## 6672	131.00032	0.368826	-1
## 22082	95.94818	0.360859	1
## 3527	95.93272	0.360344	1
## 18471	138.83067	0.304163	-1
## 17992	112.12724	0.415465	1
## 18802	130.23631	0.669491	-1
## 13485	124.55102	0.309927	1
## 5239	146.84445	0.780452	-1
## 8232	118.51303	0.412945	1
## 17303	117.92515	0.354736	-1
## 16889	94.17310	0.230486	1
## 9676	138.33188	0.510463	1
## 21258	113.38887	0.390062	-1
## 14898	111.81423	0.583585	1
## 13954	133.83432	0.102758	1
## 2811	131.62961	0.330428	-1
## 17571	121.19882	0.315219	-1
## 2514	127.97085	0.576659	1
## 21979	129.85893	0.479917	1
## 8098	75.91107	0.673251	1
## 15579	97.83177	0.279079	1
## 9430	105.24893	0.212095	-1
## 9953	130.79913	0.430958	-1
## 1051	146.64668	0.780962	-1
## 9406	128.95387	0.294412	-1
## 21785	102.24780	0.242380	-1
## 15938	119.50682	0.623621	-1
## 14962	72.78520	0.321927	1
## 7368	127.60240	0.786152	-1
## 16176	126.53532	0.833236	1
## 20405	102.54153	0.671304	-1
## 4018	114.87117	0.464100	-1
## 13984	119.93367	0.625677	-1
## 8895	124.47800	0.486875	-1
## 17478	125.06324	0.568998	1
## 5689	141.37012	0.753389	-1
## 12910	125.35493	0.823021	1
## 6269	105.05538	0.609528	-1
## 1555	109.00830	0.777936	-1
## 11351	109.67687	0.698194	1
## 11799	173.44170	0.335912	1
## 16723	101.05076	0.826754	1
## 7913	109.34955	0.529723	-1
## 12793	110.10828	0.285269	1
## 1864	115.13857	0.392617	1
## 6907	140.51985	0.336628	1
## 18337	92.99560	0.503799	1
## 10235	124.03409	0.312102	1
## 9162	96.39360	0.496548	-1
## 18827	133.18071	0.383143	-1
## 10968	130.60458	0.347571	-1

## 7095	129.93611	0.709000	1
## 22260	142.57915	0.595668	1
## 308	132.79457	0.681568	1
## 12399	95.35973	0.314729	1
## 3327	103.18549	0.350897	1
## 15764	94.94833	0.239483	1
## 8263	149.26050	0.823046	-1
## 10309	107.18658	0.572849	1
## 14810	119.06797	0.685613	1
## 16014	114.06032	0.713202	1
## 19970	122.68193	0.504178	1
## 3752	99.18772	0.737768	1
## 17443	128.48291	0.312657	-1
## 19196	100.64687	0.402229	1
## 6839	140.19914	0.700964	1
## 2383	131.56451	0.816193	-1
## 12712	107.72204	0.688456	1
## 677	120.76858	0.890851	1
## 6716	139.91628	0.349602	-1
## 10795	109.07617	0.354248	1
## 2987	120.40095	0.603628	-1
## 18760	125.49881	0.329392	-1
## 16640	126.44737	0.409297	1
## 3249	147.72639	0.924328	-1
## 21098	105.37174	0.279651	1
## 3416	149.53281	0.925607	-1
## 714	123.62690	0.627982	-1
## 14800	122.15006	0.829105	1
## 9313	119.85015	0.206594	1
## 8650	139.69650	0.624864	-1
## 17909	143.21918	0.364036	-1
## 13699	130.66943	0.510223	1
## 19841	127.30205	0.694907	1
## 746	83.74819	0.292676	1
## 657	93.89479	0.384947	1
## 4000	149.67297	0.804578	-1
## 8416	106.32755	0.656844	1
## 13447	96.20097	0.234523	1
## 6924	120.01642	0.168715	1
## 14048	139.91287	0.771719	-1
## 13067	147.84044	0.608959	-1
## 12697	102.54296	0.683363	1
## 18990	125.85922	0.278589	-1
## 12222	136.91084	0.564632	-1
## 13616	154.30502	0.328259	1
## 22017	119.64658	0.395612	-1
## 2219	124.93905	0.597254	-1
## 7158	142.37376	0.630634	-1
## 1405	113.13320	0.627078	-1
## 16161	127.99171	0.472067	1
## 6752	126.23820	0.339987	-1
## 7537	116.33650	0.285133	-1
## 8441	137.75768	0.549620	1
## 13094	130.32027	0.405217	-1

## 8602	125.73023	0.379177	1
## 1898	147.03033	0.776820	-1
## 728	124.74967	0.407414	1
## 12013	113.58057	0.699030	1
## 19723	137.59842	0.775566	-1
## 10768	106.22656	0.845175	1
## 176	81.44934	0.449944	1
## 22399	118.54449	0.783444	-1
## 20483	145.04633	0.747797	-1
## 1726	111.14125	0.541607	1
## 278	122.01904	0.345092	1
## 19697	114.28989	0.449769	-1
## 9666	94.20674	0.620332	1
## 6855	102.00324	0.599168	1
## 6603	122.96323	0.526775	1
## 14175	115.15239	0.811911	-1
## 4024	99.96768	0.391944	-1
## 5584	124.06683	0.442722	-1
## 13359	108.16009	0.263224	1
## 13289	132.06743	0.290815	-1
## 13588	144.74602	0.356752	1
## 19929	145.95760	0.363368	1
## 21843	124.84019	0.536277	1
## 14309	124.98438	0.675387	1
## 8431	122.51459	0.606802	1
## 13856	127.56470	0.520188	1
## 8226	136.56747	0.274153	1
## 6739	140.11234	0.382426	-1
## 8931	135.59735	0.435417	-1
## 3992	110.62593	0.727632	-1
## 17562	121.93363	0.569248	-1
## 12059	122.91402	0.415267	1
## 17972	119.18510	0.592013	1
## 10308	90.89053	0.434644	1
## 17425	127.69533	0.295727	-1
## 17370	109.67740	0.528237	1
## 3068	101.79345	0.478279	1
## 9006	133.22363	0.323338	-1
## 13645	121.58742	0.373496	1
## 9034	99.60156	0.336657	1
## 15032	131.20865	0.631881	1
## 4443	106.26112	0.357927	1
## 11452	132.70758	0.295035	1
## 2382	142.13359	0.402813	-1
## 4543	111.96484	0.828124	1
## 7465	144.01236	0.485705	1
## 10566	117.27552	0.400132	1
## 1913	97.61452	0.667792	-1
## 15816	124.17722	0.426448	1
## 19214	129.76587	0.492474	1
## 5953	112.67027	0.611665	1
## 9985	126.09405	0.466857	-1
## 11977	110.25778	0.734528	1
## 664	102.68728	0.505074	1

## 12231	132.92319	0.726755	-1
## 21020	115.99483	0.232102	-1
## 13906	120.79175	0.522796	1
## 19954	125.08366	0.216139	1
## 22310	123.10706	0.737131	1
## 16197	127.19041	0.664623	1
## 8805	146.84996	0.341224	1
## 4717	124.03930	0.253505	1
## 20787	140.69673	0.593904	-1
## 12960	96.97828	0.650460	1
## 2169	106.28964	0.851021	1
## 5547	129.80560	0.361142	-1
## 5959	123.33459	0.846671	1
## 10377	91.36502	0.580444	1
## 2483	109.82777	0.583108	1
## 15911	120.79516	0.355971	-1
## 10428	130.35605	0.645683	1
## 11399	109.73113	0.402939	1
## 13746	120.81335	0.370060	-1
## 1417	129.96536	0.780097	-1
## 7261	131.03792	0.533363	1
## 3860	92.11859	0.330597	-1
## 19847	144.83285	0.509989	-1
## 7553	130.65237	0.483054	-1
## 17032	89.60195	0.618851	1
## 12919	97.24139	0.828835	1
## 13370	116.71376	0.270891	1
## 14497	118.74680	0.320411	-1
## 5969	130.73558	0.614479	1
## 11074	145.38733	0.610460	-1
## 17797	128.40707	0.332406	1
## 952	126.76815	0.385267	1
## 6898	149.23700	0.667133	-1
## 3011	111.66553	0.824337	1
## 8088	130.56232	0.641581	-1
## 1187	115.38458	0.444219	1
## 5027	100.21606	0.694942	1
## 20962	123.88136	0.474194	1
## 1967	114.24814	0.350921	-1
## 5319	140.04564	0.288764	-1
## 15786	109.48020	0.171537	1
## 10929	89.46412	0.641122	1
## 16939	106.61816	0.462894	1
## 6668	110.61948	0.344426	-1
## 5306	107.01436	0.677512	1
## 15702	117.60391	0.561551	-1
## 13121	90.52967	0.240587	1
## 10406	98.41608	0.725807	1
## 11036	94.95413	0.625684	-1
## 2826	111.80969	0.745300	1
## 13948	123.41466	0.343108	1
## 9266	114.19703	0.249495	1
## 20234	127.96900	0.592674	1
## 2442	111.70138	0.586499	1

## 1891	113.26241	0.576233	-1
## 14391	110.57441	0.560971	1
## 16812	112.49345	0.459609	1
## 2846	121.14761	0.713650	1
## 19681	109.67052	0.216850	-1
## 19747	120.97446	0.840190	-1
## 17525	87.77712	0.529285	1
## 11589	118.76200	0.730942	1
## 8185	111.63589	0.527476	1
## 19477	97.86395	0.216032	1
## 13217	125.44306	0.503428	-1
## 16731	100.64014	0.584525	1
## 22392	134.23242	0.464614	-1
## 6502	147.47739	0.686466	-1
## 386	113.60482	0.344598	1
## 672	136.51787	0.361643	1
## 17431	122.35120	0.346877	-1
## 11256	143.82590	0.630510	-1
## 19066	130.77788	0.226447	1
## 3289	123.92464	0.753894	-1
## 20696	140.35271	0.544425	-1
## 13612	120.86440	0.386370	1
## 15998	130.02823	0.400734	1
## 15991	128.95166	0.490769	1
## 17533	109.20586	0.391853	-1
## 12964	102.89445	0.708905	1
## 2289	83.62885	0.865693	1
## 20774	125.98491	0.330195	-1
## 7333	87.79719	0.515789	1
## 17440	156.06455	0.365972	-1
## 4680	127.88854	0.781905	1
## 11354	120.07200	0.400653	1
## 20270	112.13262	0.650347	1
## 7497	105.29630	0.873338	1
## 18578	150.63878	0.727541	-1
## 8571	113.62507	0.418941	1
## 19006	98.34959	0.286987	1
## 510	116.72061	0.859524	1
## 18749	116.50874	0.509284	1
## 15235	121.62045	0.649498	1
## 831	95.11053	0.321128	1
## 9081	130.88103	0.322264	1
## 4732	106.63135	0.397945	1
## 1129	98.41414	0.778768	1
## 13246	136.40755	0.387446	-1
## 22459	128.04567	0.260318	-1
## 3439	125.48176	0.850805	-1
## 779	102.17576	0.254197	1
## 9352	139.02878	0.566185	1
## 2706	135.63074	0.909003	-1
## 12120	135.89574	0.691354	-1
## 560	96.66635	0.624455	1
## 13745	116.53425	0.407601	-1
## 14514	123.97701	0.325086	-1

## 11503	109.97627	0.581435	1
## 9902	125.90896	0.514168	1
## 170	102.35438	0.546305	1
## 9155	128.65604	0.785436	-1
## 1983	118.88604	0.693022	-1
## 12546	113.39069	0.335435	1
## 13381	119.00002	0.729389	1
## 15017	78.72882	0.845471	1
## 1962	109.68333	0.536008	-1
## 3511	101.84526	0.485608	1
## 1738	126.83039	0.530529	1
## 14546	118.70503	0.511467	1
## 5518	92.16975	0.340773	-1
## 14499	133.20766	0.515182	-1
## 21435	152.88574	0.683414	-1
## 20711	119.17449	0.343362	-1
## 9947	130.77376	0.722703	-1
## 19690	132.54604	0.390117	-1
## 20209	146.23181	0.418365	1
## 11596	93.66103	0.420009	1
## 5564	154.32752	0.756001	-1
## 14323	120.07584	0.474766	1
## 8152	128.78262	0.904403	1
## 21515	148.71080	0.278106	-1
## 5568	145.17357	0.820225	-1
## 11533	117.80480	0.524957	1
## 22149	112.94778	0.876481	-1
## 16119	98.00575	0.601732	1
## 3453	123.84022	0.265382	-1
## 16163	104.14342	0.328889	1
## 6564	91.22957	0.483571	1
## 7703	140.79013	0.613945	-1
## 5812	123.58554	0.351983	1
## 4506	137.12714	0.738386	1
## 19570	130.48099	0.275727	-1
## 22509	129.74991	0.840468	1
## 19107	123.37776	0.723424	1
## 13355	105.94888	0.324636	1
## 7676	134.65160	0.527303	1
## 6216	122.17693	0.459063	1
## 2619	108.58092	0.570795	1
## 10136	145.00377	0.552171	1
## 20334	143.34642	0.679830	1
## 13378	124.94646	0.613629	1
## 18940	119.57250	0.252906	1
## 6261	127.95395	0.685849	-1
## 20119	107.52836	0.253082	1
## 5947	109.67666	0.468888	1
## 22477	105.34823	0.455723	1
## 7475	107.19163	0.807658	1
## 20504	147.68713	0.327833	-1
## 16400	123.95983	0.677710	1
## 22176	136.49033	0.471787	1
## 14893	97.06836	0.746139	1

## 19781	106.52360	0.260309	1
## 460	132.89722	0.527827	1
## 3963	75.86487	0.605810	1
## 8290	100.28144	0.731346	1
## 15300	117.76812	0.856901	1
## 10024	136.66573	0.392923	-1
## 5001	135.26472	0.485670	1
## 6221	115.07588	0.489664	1
## 1220	119.65284	0.282003	1
## 15507	106.78044	0.593501	1
## 13516	114.84313	0.368579	-1
## 21139	138.84405	0.752026	1
## 16219	105.48340	0.315739	1
## 10077	154.67554	0.646525	-1
## 5779	151.16524	0.684318	1
## 6073	146.42891	0.778615	-1
## 13064	141.17828	0.754286	-1
## 18574	147.37563	0.752182	-1
## 15035	128.73865	0.835935	1
## 4913	120.58884	0.257448	1
## 10872	85.52821	0.646588	1
## 21025	115.92924	0.400651	1
## 12934	144.12703	0.150026	1
## 4798	129.93762	0.817695	1
## 21897	132.03340	0.583514	-1
## 4684	111.90280	0.301794	1
## 15756	115.15533	0.367636	1
## 12847	116.80956	0.218082	1
## 15995	138.76611	0.881930	1
## 18468	139.10472	0.752298	-1
## 23	121.60601	0.602686	1
## 15766	88.60768	0.193826	1
## 13450	114.28951	0.479620	1
## 6744	123.49115	0.593177	-1
## 7496	111.59319	0.482304	1
## 11996	128.16505	0.785387	1
## 7779	120.39431	0.384339	1
## 12257	143.46063	0.841196	-1
## 22119	123.83857	0.523959	-1
## 7874	135.31210	0.494626	1
## 10756	117.28406	0.390208	1
## 2771	132.29024	0.470991	-1
## 22295	140.42888	0.806502	1
## 10366	110.73081	0.668958	1
## 15451	127.31644	0.668402	1
## 8772	79.62308	0.591846	1
## 7072	94.95931	0.792244	1
## 19382	139.03693	0.427092	-1
## 9246	110.93680	0.539448	-1
## 20258	108.69209	0.787603	1
## 18853	156.86046	0.584009	-1
## 19887	137.93770	0.636214	1
## 13580	133.60617	0.726462	1
## 13024	110.46147	0.436426	1

## 16633	93.17285	0.599065	1
## 1434	99.79101	0.881088	1
## 1674	124.60765	0.789189	-1
## 4884	100.57242	0.646556	1
## 6869	124.95226	0.604651	1
## 10152	96.25587	0.559216	1
## 10388	119.19569	0.280652	1
## 12459	122.56235	0.675411	1
## 12376	93.44250	0.353161	-1
## 8310	111.57918	0.642240	1
## 10251	134.19073	0.343079	1
## 16186	69.26556	0.277438	1
## 10353	116.10515	0.410874	1
## 2138	118.43738	0.574808	1
## 16030	120.39881	0.416300	1
## 20574	117.57210	0.714418	1
## 12862	138.05428	0.500510	1
## 626	102.33281	0.499827	1
## 9509	90.66250	0.289048	1
## 15719	125.17706	0.254290	-1
## 18230	70.19868	0.166678	1
## 7856	124.56336	0.506290	1
## 17361	112.48211	0.494717	1
## 4502	122.57080	0.633654	1
## 11910	137.70404	0.331154	1
## 6382	110.24089	0.372637	1
## 11049	99.34361	0.443843	-1
## 20523	134.93947	0.324302	-1
## 13584	118.48805	0.491507	1
## 17087	131.29611	0.798924	-1
## 5397	132.06477	0.480936	-1
## 22127	117.67543	0.554523	-1
## 12324	81.73641	0.572300	1
## 21441	152.33903	0.652435	-1
## 2165	84.57224	0.404940	1
## 5905	153.07240	0.682584	-1
## 15241	99.94377	0.253221	1
## 18944	149.74506	0.236208	1
## 526	111.32913	0.631040	1
## 7311	132.02483	0.536360	1
## 387	139.00694	0.390875	1
## 13518	113.31194	0.609522	-1
## 20241	133.00613	0.649799	1
## 17128	113.08121	0.841033	-1
## 13434	107.01727	0.602902	1
## 7429	141.72652	0.756002	1
## 4795	127.51547	0.670806	1
## 5715	144.98393	0.693651	-1
## 18928	143.35113	0.686307	1
## 19085	121.92796	0.276713	1
## 11072	80.02835	0.368307	-1
## 11436	136.07205	0.718331	1
## 4182	131.36496	0.837998	-1
## 16771	111.75009	0.524108	1

## 9978	129.27446	0.503651	-1
## 3077	138.95039	0.589178	1
## 9941	129.46841	0.331252	-1
## 14479	135.20103	0.421331	-1
## 2755	143.78436	0.376439	1
## 12807	112.38420	0.407405	1
## 6988	110.36684	0.393165	1
## 2583	149.66661	0.601411	-1
## 3445	113.15966	0.559789	-1
## 1030	131.37196	0.468244	-1
## 15456	116.45177	0.433342	1
## 18530	129.48080	0.584507	-1
## 10088	130.78867	0.272389	1
## 3247	129.40132	0.791457	-1
## 7140	143.25673	0.574596	-1
## 15584	104.31037	0.305693	1
## 12608	110.59348	0.631196	1
## 13205	136.03456	0.558995	-1
## 13808	122.84091	0.367248	1
## 15133	84.92214	0.326788	1
## 20628	131.18100	0.659339	1
## 7393	135.10173	0.564387	-1
## 12275	86.68626	0.446656	-1
## 10378	84.24782	0.615519	1
## 15199	113.19643	0.626421	1
## 13136	81.07914	0.224213	1
## 21707	133.30595	0.516075	-1
## 11329	138.16562	0.285944	1
## 7272	107.50263	0.697154	1
## 21140	127.89919	0.671228	1
## 13779	96.00435	0.239628	1
## 19246	137.38318	0.256467	-1
## 15964	102.51742	0.584328	1
## 16823	125.86822	0.882451	1
## 4387	111.28702	0.518085	-1
## 10570	114.72280	0.665346	1
## 858	85.35616	0.562960	1
## 2296	129.33160	0.658521	1
## 17594	123.63004	0.337174	-1
## 9789	118.66660	0.397499	-1
## 9190	129.16312	0.364318	-1
## 12610	99.27316	0.694088	1
## 21836	95.12020	0.378498	1
## 19083	121.14191	0.264850	1
## 16645	110.43207	0.870372	1
## 18239	113.37600	0.370158	1
## 20754	134.79253	0.283074	-1
## 15977	93.29165	0.301769	1
## 532	97.94579	0.512988	1
## 9375	91.64387	0.357054	1
## 17230	128.46947	0.228296	-1
## 10234	123.98689	0.495314	1
## 13192	127.30632	0.319521	1
## 9906	116.07075	0.421369	1

## 19282	134.17093	0.513583	-1
## 531	107.16534	0.508581	1
## 1847	94.96408	0.408114	1
## 2012	146.09004	0.755272	-1
## 3147	145.50320	0.404978	1
## 21046	90.83260	0.237683	1
## 22369	134.96187	0.698521	-1
## 11923	115.72063	0.793795	-1
## 3986	133.35538	0.965114	-1
## 3645	119.61800	0.487578	1
## 17275	101.38223	0.318143	-1
## 4057	99.70155	0.549144	1
## 4050	131.55963	0.812130	-1
## 4701	118.79913	0.520291	1
## 7154	149.76663	0.688595	-1
## 6201	66.86106	0.517689	1
## 12248	123.15707	0.419966	-1
## 9158	128.49594	0.785868	-1
## 4248	116.28128	0.731389	1
## 8675	139.65428	0.601570	1
## 18269	135.30438	0.439751	-1
## 10427	114.21355	0.441577	1
## 15663	130.20735	0.475532	1
## 13764	131.16707	0.573178	1
## 4213	100.05482	0.830630	-1
## 17802	114.77558	0.255516	1
## 19111	128.57165	0.272948	1
## 6860	108.24068	0.388795	1
## 18596	144.55107	0.495379	-1
## 8972	146.16783	0.746352	-1
## 1043	134.45476	0.815123	-1
## 12316	70.54771	0.643948	1
## 14036	134.51169	0.374611	-1
## 1156	130.27339	0.771939	-1
## 13223	132.91353	0.337377	-1
## 17285	126.17712	0.314918	-1
## 14686	118.01942	0.595607	1
## 7356	105.53392	0.504574	1
## 8211	117.58491	0.481534	1
## 7740	137.36581	0.316105	1
## 13534	130.09195	0.580189	-1
## 17681	88.21838	0.436426	1
## 11997	106.50021	0.516240	1
## 20264	114.56138	0.635529	1
## 22497	93.13715	0.383716	1
## 16094	85.11242	0.418304	1
## 10389	82.67863	0.284289	1
## 3996	150.73116	0.852782	-1
## 3753	120.81417	0.614066	1
## 5533	140.85217	0.648673	-1
## 4570	134.43630	0.384798	1
## 8156	144.09395	0.864849	1
## 13035	73.28942	0.443235	1
## 4286	100.06331	0.708730	1

## 16109	143.05934	0.437184	1
## 10275	107.36852	0.546701	1
## 6675	159.54485	0.534250	-1
## 19444	137.11290	0.670493	1
## 20064	109.14833	0.123438	1
## 5245	145.20506	0.687363	-1
## 18713	140.58949	0.789753	1
## 8101	83.03997	0.609742	1
## 3202	110.80971	0.696616	-1
## 9760	138.40622	0.745359	-1
## 9904	117.61623	0.395684	1
## 9845	94.02219	0.515001	1
## 17078	120.63584	0.341596	-1
## 16752	117.77989	0.302216	1
## 16041	103.48251	0.861482	1
## 18097	139.87537	0.589139	-1
## 7008	119.81936	0.635930	-1
## 4952	119.82913	0.488520	1
## 2417	128.82753	0.888032	1
## 17309	84.01833	0.545610	-1
## 19188	114.72234	0.315264	1
## 3597	117.06264	0.893478	-1
## 13592	130.76154	0.815351	1
## 9236	112.42656	0.881335	-1
## 5387	130.22827	0.542262	-1
## 444	96.05198	0.427005	1
## 19870	136.09831	0.332082	-1
## 4495	107.30795	0.827795	1
## 13103	116.50475	0.615174	1
## 12420	129.40773	0.281345	1
## 12001	116.98631	0.552493	1
## 5609	126.99667	0.415431	-1
## 12485	112.05900	0.383675	1
## 2275	103.81312	0.464567	1
## 1328	112.72020	0.742745	1
## 1623	124.26121	0.563691	-1
## 14239	130.39577	0.350352	-1
## 9549	108.90164	0.273565	-1
## 16179	105.09931	0.864843	1
## 10909	58.82013	0.422356	1
## 5523	102.90568	0.257063	-1
## 3203	121.93952	0.785478	-1
## 11808	111.09326	0.247688	1
## 13847	108.04761	0.229993	1
## 21999	113.55325	0.459615	1
## 17402	128.26448	0.388321	-1
## 2327	125.76605	0.479955	-1
## 14111	132.12097	0.600566	-1
## 3712	155.45299	0.944630	-1
## 5718	123.33853	0.415298	-1
## 909	149.10242	0.827169	-1
## 18431	146.59621	0.601713	-1
## 5026	102.58650	0.675088	1
## 20977	132.51714	0.499309	1

## 11969	113.37075	0.666314	1
## 18444	146.93681	0.757065	-1
## 2971	138.27310	0.553034	-1
## 18141	129.24841	0.481389	1
## 13426	129.07019	0.418452	1
## 6971	133.65694	0.614478	1
## 17512	106.78479	0.579590	1
## 13227	120.11491	0.459996	-1
## 579	124.76346	0.884755	1
## 10837	84.47030	0.629740	1
## 14509	130.83456	0.564887	-1
## 14025	152.25894	0.376141	-1
## 7636	121.35841	0.679661	1
## 22373	121.93456	0.305581	-1
## 13514	132.39925	0.481263	-1
## 5772	142.28404	0.467853	1
## 14693	103.53803	0.697577	1
## 16520	132.71889	0.878032	1
## 2201	124.89138	0.920375	-1
## 2577	110.28320	0.671686	-1
## 15790	112.51481	0.613836	1
## 776	117.70388	0.804424	1
## 13964	96.26348	0.535146	1
## 4556	105.67001	0.902328	1
## 3406	120.47111	0.850415	-1
## 19698	139.69775	0.430759	-1
## 2547	132.27554	0.758807	-1
## 11089	136.21106	0.832271	-1
## 2107	125.83107	0.771379	-1
## 1668	133.86600	0.568487	-1
## 9927	128.31134	0.450714	1
## 4496	126.36880	0.681638	1
## 9404	130.14009	0.302708	-1
## 9173	136.96042	0.277315	-1
## 3410	122.97295	0.842587	-1
## 6091	106.33713	0.311699	1
## 16188	84.48148	0.355722	1
## 20927	131.03361	0.279757	1
## 19725	120.38023	0.359005	-1
## 7340	108.93526	0.273337	1
## 3952	104.58127	0.498808	1
## 1420	129.95096	0.847794	-1
## 505	101.08600	0.417343	1
## 7750	141.68031	0.515764	1
## 5522	115.45501	0.328704	-1
## 8061	155.98619	0.825842	-1
## 11007	129.52388	0.526903	-1
## 1178	109.14719	0.288295	1
## 9613	122.71221	0.265486	-1
## 11366	83.18149	0.727417	1
## 21874	99.26648	0.496870	1
## 3990	129.89821	0.772745	-1
## 8478	118.79275	0.348633	-1
## 6627	112.07398	0.283041	-1

## 5797	146.89255	0.363741	1
## 15069	100.66215	0.493993	1
## 12565	78.00223	0.216959	1
## 3690	120.41271	0.639369	1
## 15252	94.99755	0.162854	1
## 15026	129.13441	0.396826	1
## 2992	138.05943	0.808350	-1
## 15752	101.40561	0.306414	-1
## 15	86.23029	0.318373	1
## 7873	110.31628	0.415977	1
## 14953	132.69974	0.881011	1
## 1320	136.89325	0.359286	1
## 1464	112.54491	0.645275	1
## 4279	105.18572	0.307543	1
## 4758	130.26186	0.415506	1
## 10700	101.03468	0.662734	1
## 20077	104.84943	0.237477	1
## 423	160.76991	0.456200	1
## 1477	128.37285	0.458182	1
## 17048	122.60609	0.486425	1
## 12679	123.36581	0.827688	1
## 16270	109.85191	0.314078	1
## 15086	87.54443	0.402399	1
## 16679	123.81509	0.420305	1
## 8150	112.19154	0.360214	1
## 9635	137.97427	0.579475	-1
## 21648	129.65300	0.389726	1
## 22290	108.68825	0.656439	1
## 5000	110.66583	0.249502	1
## 12099	138.67027	0.272622	-1
## 16331	88.30727	0.420253	1
## 16572	82.11520	0.476996	1
## 6851	93.76030	0.387625	1
## 1029	142.11403	0.311870	-1
## 20439	141.74252	0.464418	-1
## 20072	110.33741	0.491112	1
## 14241	103.32479	0.310444	-1
## 5097	102.03464	0.804891	1
## 15160	102.95137	0.414057	1
## 13576	96.90215	0.610135	1
## 2947	127.40727	0.826734	1
## 21384	139.22931	0.253460	1
## 1347	140.74927	0.768677	-1
## 10149	102.62481	0.649858	1
## 5626	141.42929	0.785083	-1
## 3414	146.05421	0.844161	-1
## 8794	129.94138	0.875023	1
## 20932	91.15246	0.328549	1
## 5173	93.88517	0.350377	1
## 21541	93.58952	0.301939	-1
## 2170	96.84990	0.347970	1
## 15975	93.57327	0.321453	1
## 6780	136.86272	0.796673	1
## 18234	133.52361	0.402623	1

## 2953	97.89483	0.713859	1
## 106	115.43787	0.723462	1
## 10011	143.60214	0.832814	-1
## 8785	77.51512	0.542786	1
## 19181	124.19572	0.091646	1
## 600	81.44031	0.576743	1
## 15735	129.64079	0.891140	-1
## 18572	144.83482	0.525140	-1
## 21452	150.22980	0.660423	-1
## 1266	122.93446	0.805142	-1
## 14304	109.67454	0.745076	1
## 352	91.89119	0.465272	1
## 12937	155.18140	0.331687	1
## 21890	137.71838	0.600105	-1
## 11336	109.13567	0.445536	1
## 9939	137.75008	0.420725	-1
## 4769	125.91317	0.693201	1
## 13987	148.17757	0.255035	-1
## 11514	120.25214	0.866776	1
## 14968	88.72593	0.237665	1
## 11741	135.71573	0.666786	-1
## 21665	154.82271	0.501925	1
## 1560	141.57523	0.940505	-1
## 10591	114.24135	0.724820	1
## 16677	63.34255	0.381654	1
## 9410	126.28252	0.246134	-1
## 18345	114.86520	0.527982	1
## 12293	128.93300	0.638256	1
## 4149	113.79591	0.739429	1
## 6846	123.29633	0.566552	1
## 8978	144.36874	0.815680	-1
## 20936	106.09396	0.263256	1
## 16857	84.01387	0.494116	1
## 6290	107.32938	0.490394	-1
## 3750	116.58484	0.638201	1
## 11749	154.01616	0.726780	-1
## 19576	119.65929	0.791810	-1
## 12809	123.84032	0.406312	1
## 9662	116.64497	0.530522	1
## 2070	77.02721	0.636426	1
## 12678	113.43956	0.392739	1
## 13184	120.24481	0.329957	1
## 11363	111.76608	0.774147	1
## 16791	84.26406	0.480571	1
## 12987	104.48475	0.461979	1
## 5573	133.00455	0.372133	-1
## 21614	125.21064	0.760267	1
## 12368	131.43596	0.550455	-1
## 11708	146.43512	0.508566	-1
## 3466	94.71733	0.497035	1
## 2167	100.88443	0.893944	1
## 11297	89.66280	0.619613	1
## 1571	148.70630	0.274609	-1
## 13197	112.22060	0.249680	1

## 20142	121.56838	0.433801	1
## 9500	105.07867	0.220805	1
## 4575	122.19024	0.782168	1
## 12766	103.68886	0.870644	1
## 15221	122.57793	0.436002	1
## 7254	137.34613	0.505211	1
## 4393	97.31473	0.691292	1
## 19170	90.18644	0.279836	1
## 12920	99.32430	0.755807	1
## 20206	132.89862	0.477970	1
## 19853	145.92151	0.609881	-1
## 3598	114.82165	0.818006	-1
## 8359	116.66055	0.503725	1
## 13572	110.09660	0.738277	1
## 18011	107.46954	0.451935	1
## 733	96.58652	0.565056	1
## 7117	104.14196	0.845122	1
## 15934	126.01714	0.210997	-1
## 20288	142.71876	0.714491	1
## 10702	94.35522	0.719383	1
## 21426	130.94458	0.606416	-1
## 14078	137.03691	0.611848	-1
## 14126	114.60306	0.123542	1
## 8432	127.25521	0.785063	1
## 10978	125.76509	0.310809	-1
## 5771	118.39333	0.753896	1
## 9041	129.85356	0.568409	1
## 20107	132.35167	0.738189	1
## 22254	122.01939	0.352583	1
## 13968	110.39518	0.382033	1
## 10805	96.35153	0.553402	1
## 7247	124.72852	0.356741	-1
## 21899	134.61336	0.550110	-1
## 2806	140.78006	0.728212	-1
## 1413	142.18056	0.566301	-1
## 5089	94.14587	0.179986	1
## 22240	90.67969	0.622157	1
## 11303	114.22671	0.432377	1
## 11198	127.12199	0.587164	-1
## 13785	120.47774	0.343934	1
## 11843	113.79237	0.399408	1
## 21290	112.76724	0.442560	-1
## 1362	112.92720	0.690859	1
## 4207	106.37534	0.708892	-1
## 20826	115.74536	0.169891	1
## 20123	120.48789	0.390134	1
## 19572	129.87175	0.547805	-1
## 18012	95.16824	0.667118	1
## 18748	102.60716	0.443362	1
## 3874	105.72697	0.080868	1
## 551	131.21951	0.487978	1
## 21616	127.02408	0.739768	1
## 10578	103.05331	0.643016	1
## 10008	147.93843	0.705931	-1

## 13631	117.47017	0.465236	1
## 19744	120.75860	0.369836	-1
## 12149	123.10708	0.138764	-1
## 5176	116.20807	0.602730	1
## 14658	99.04127	0.366268	-1
## 17662	95.54878	0.464230	1
## 5276	106.66020	0.594682	1
## 11627	135.26529	0.827609	1
## 9737	146.61864	0.843267	1
## 21396	132.22888	0.144127	1
## 19212	131.08826	0.502934	1
## 18098	128.44338	0.459332	-1
## 3105	132.16432	0.686933	-1
## 20475	144.75134	0.414362	-1
## 14496	121.38963	0.361093	-1
## 13089	155.37216	0.720097	-1
## 20836	138.08470	0.749138	1
## 18693	117.88563	0.595545	1
## 1285	82.92903	0.580736	1
## 8234	113.21160	0.245929	1
## 1618	121.41901	0.854887	-1
## 1713	138.36699	0.767814	-1
## 17349	110.71892	0.516426	1
## 1159	128.65131	0.775394	-1
## 9187	118.04009	0.320875	-1
## 8963	144.24171	0.657209	-1
## 3741	121.00813	0.812882	1
## 15394	133.44780	0.792341	1
## 10608	110.39948	0.453323	1
## 21588	101.87756	0.298152	1
## 18306	146.18111	0.753011	-1
## 12063	132.89777	0.357593	1
## 9691	141.66278	0.916238	1
## 8180	119.31703	0.687201	1
## 4394	89.81393	0.726567	1
## 8170	132.65887	0.592673	1
## 5633	140.09253	0.604421	-1
## 3531	90.62289	0.444714	1
## 19980	149.50958	0.691097	1
## 5074	122.00048	0.492056	1
## 19116	96.33514	0.202138	1
## 18603	147.01070	0.605720	-1
## 14289	113.49851	0.827543	-1
## 8941	135.42348	0.317324	-1
## 12992	93.31768	0.469904	1
## 12298	97.44756	0.776306	1
## 8784	101.66255	0.483511	1
## 12592	85.88292	0.459493	1
## 7277	119.99369	0.644481	1
## 19277	131.89418	0.494328	-1
## 11375	113.31856	0.870014	1
## 19497	83.51511	0.365761	1
## 12722	128.34712	0.776909	1
## 17716	66.21652	0.600353	1

## 13883	113.32077	0.245581	1
## 2243	106.98219	0.565612	1
## 11207	123.87589	0.573162	-1
## 15780	132.67812	0.524964	1
## 3588	115.28097	0.734128	-1
## 3259	142.96181	0.881690	-1
## 13498	123.28889	0.504370	-1
## 13072	144.52229	0.700779	-1
## 14789	112.99921	0.570051	1
## 4637	100.33176	0.309880	1
## 10337	125.28873	0.669059	1
## 13231	132.63560	0.589297	-1
## 6143	142.01544	0.713014	-1
## 296	130.85854	0.695418	1
## 16315	128.99733	0.752930	1
## 7785	106.08833	0.443343	1
## 5106	85.75994	0.778103	1
## 1281	94.48206	0.590287	1
## 6200	62.99981	0.617790	1
## 11292	114.39417	0.442843	1
## 13049	102.59792	0.398355	1
## 2750	106.35705	0.539339	1
## 2019	138.64313	0.839275	-1
## 15912	124.11009	0.854097	-1
## 16103	141.62405	0.153869	1
## 11271	145.18056	0.704218	-1
## 9786	111.16843	0.519819	-1
## 1691	135.00777	0.819734	-1
## 25	138.50339	0.616643	1
## 1310	105.68630	0.398922	1
## 4023	116.08398	0.703719	-1
## 19762	107.78932	0.240009	1
## 16815	97.22394	0.500562	1
## 21497	130.06705	0.554325	-1
## 5515	97.21646	0.425437	1
## 6416	126.42986	0.729520	1
## 10749	108.83510	0.700695	1
## 21937	161.81692	0.636378	-1
## 18873	112.15467	0.432686	1
## 15109	128.99802	0.845979	1
## 14684	120.90350	0.453627	1
## 5293	88.54514	0.689013	1
## 10642	114.30041	0.657164	1
## 5990	135.01065	0.761815	1
## 2131	133.29860	0.868220	-1
## 7364	90.17082	0.268193	-1
## 13972	90.44276	0.238363	1
## 16546	82.06006	0.522818	1
## 14171	127.69578	0.788363	-1
## 12537	111.90042	0.290470	1
## 761	110.53408	0.691356	1
## 1137	122.13973	0.822403	-1
## 14368	96.00906	0.256736	1
## 13385	139.48254	0.497356	1

## 11822	87.56007	0.752367	1
## 19203	143.69780	0.521954	1
## 1498	144.50420	0.913328	-1
## 6817	143.16827	0.430809	-1
## 16105	135.69586	0.370788	1
## 15134	88.45239	0.517909	1
## 22133	147.44952	0.347823	-1
## 21608	117.22053	0.743598	1
## 1507	122.27623	0.767141	-1
## 2882	127.39896	0.818162	1
## 4998	103.00959	0.818853	1
## 21034	95.57841	0.321455	1
## 15318	98.73021	0.638571	1
## 19973	129.15730	0.441294	1
## 21123	114.25477	0.550222	1
## 9646	89.89684	0.273075	1
## 252	92.60541	0.350531	1
## 2849	128.04585	0.480815	1
## 18331	113.36051	0.342919	1
## 6391	144.38063	0.870689	1
## 9926	136.80247	0.516430	1
## 1750	133.31604	0.421465	1
## 10822	109.90898	0.242699	1
## 8097	74.85873	0.552052	1
## 9901	120.23997	0.421392	1
## 40	75.86883	0.765802	1
## 17056	111.86131	0.304498	-1
## 13770	111.52620	0.243777	1
## 6745	136.61383	0.440353	-1
## 14069	144.32349	0.327963	-1
## 8750	92.35343	0.598233	1
## 5833	145.35469	0.813429	-1
## 20602	116.58297	0.548776	1
## 7374	137.17133	0.573511	-1
## 685	121.28772	0.979368	-1
## 16598	133.36963	0.445723	1
## 19749	135.22940	0.798497	-1
## 11377	94.65019	0.552362	1
## 15550	89.08721	0.373917	1
## 7880	115.18246	0.514263	-1
## 13762	109.26682	0.648051	1
## 16614	106.14446	0.394281	1
## 3042	120.65813	0.662349	1
## 8280	107.94169	0.541338	1
## 9716	107.99513	0.204080	1
## 16573	118.17055	0.630053	1
## 3302	109.30956	0.463452	-1
## 609	117.47728	0.500164	1
## 9167	105.21133	0.406171	-1
## 462	125.10793	0.466770	1
## 20973	139.92674	0.687423	1
## 3016	108.96587	0.386290	1
## 22246	111.82192	0.432435	1
## 7491	107.10485	0.461287	1

## 13502	136.91296	0.559976	-1
## 9917	111.62289	0.400380	1
## 10435	85.29662	0.471571	1
## 5140	92.69461	0.591414	1
## 12732	111.45194	0.265665	1
## 22045	89.82518	0.356535	1
## 6722	130.67827	0.355801	-1
## 11608	134.93068	0.498629	1
## 14282	129.91855	0.486605	-1
## 16363	85.69188	0.507255	1
## 16961	113.46068	0.341771	1
## 21184	111.71039	0.586856	-1
## 983	115.70931	0.887258	1
## 12027	107.33802	0.434422	1
## 1241	144.50670	0.759512	-1
## 8949	119.01114	0.247615	-1
## 6857	103.41946	0.532870	1
## 17351	83.09117	0.578985	1
## 13256	141.84157	0.589040	-1
## 9234	125.81022	0.361904	-1
## 13838	148.56058	0.269556	1
## 17224	154.04678	0.274159	-1
## 18142	123.59583	0.749313	1
## 15210	116.67874	0.619478	1
## 18671	94.52068	0.325148	1
## 18138	172.01086	0.444150	1
## 2029	129.92409	0.733591	1
## 19404	111.78532	0.241439	1
## 19043	113.66445	0.366493	1
## 12830	105.84391	0.395742	1
## 20663	121.32554	0.296566	-1
## 3993	123.96899	0.571541	-1
## 1588	116.52573	0.831530	-1
## 12005	117.63039	0.510014	1
## 11173	123.73175	0.482813	1
## 13528	127.31830	0.854207	-1
## 639	125.03220	0.606020	1
## 9719	128.37140	0.226159	1
## 19969	125.61708	0.289418	1
## 20586	108.72209	0.249910	1
## 10851	96.70726	0.593131	1
## 459	118.10862	0.622167	1
## 15859	99.20446	0.352424	-1
## 17534	140.54813	0.338405	-1
## 11632	131.41248	0.632733	1
## 15278	108.24190	0.429371	1
## 16444	105.16496	0.640484	1
## 17670	119.16136	0.837827	1
## 3773	133.52965	0.406503	1
## 14853	91.73681	0.725096	1
## 2749	126.79709	0.480976	1
## 21941	151.76390	0.683867	-1
## 15573	136.17044	0.622661	1
## 687	107.89473	0.953315	-1

## 21216	137.09547	0.451482	-1
## 2731	143.49661	0.839388	-1
## 379	103.90546	0.405961	1
## 10413	83.42585	0.721148	1
## 18680	96.03955	0.131183	1
## 10175	101.93130	0.564055	1
## 6111	117.21733	0.520784	1
## 10007	145.14449	0.790594	-1
## 1619	111.84910	0.503290	-1
## 7870	116.11081	0.304261	1
## 11636	136.93233	0.365115	1
## 5067	98.97471	0.784772	1
## 15185	118.47852	0.640237	1
## 14380	101.58312	0.358770	1
## 6386	91.18030	0.772562	1
## 22284	101.52053	0.822575	1
## 5960	113.91721	0.810822	1
## 21645	135.89740	0.344163	1
## 21831	115.63757	0.371698	1
## 9699	128.11197	0.277354	1
## 1813	144.42429	0.840490	-1
## 14086	144.51648	0.867114	-1
## 1728	80.29121	0.551683	1
## 19403	126.54516	0.230057	1
## 19445	127.15289	0.829691	1
## 9860	140.65408	0.765175	1
## 20515	149.90630	0.631272	-1
## 19589	127.42163	0.219510	-1
## 8480	142.78952	0.635181	-1
## 7132	138.71532	0.644110	-1
## 22513	100.24548	0.368750	1
## 1809	145.16429	0.847715	-1
## 11995	104.08068	0.346461	1
## 8214	126.00115	0.689185	1
## 13478	128.60652	0.089595	1
## 19655	147.82567	0.445785	-1
## 389	128.28481	0.533078	1
## 20296	147.37746	0.474055	1
## 18497	110.87869	0.501031	-1
## 2572	136.78325	0.298278	-1
## 731	113.50636	0.493297	1
## 2088	96.17033	0.606603	1
## 9199	136.42203	0.374455	-1
## 14921	111.93870	0.419973	1
## 13099	122.90031	0.445009	1
## 10667	129.70015	0.804020	1
## 11388	102.77569	0.610301	1
## 20433	153.84495	0.613300	-1
## 5662	131.84506	0.316100	-1
## 3312	114.00958	0.435601	-1
## 15876	111.42612	0.417167	-1
## 5881	151.69209	0.670207	-1
## 877	123.41004	0.777468	1
## 14819	114.35524	0.742364	1

## 15262	107.70390	0.526359	1
## 17874	103.38147	0.420485	1
## 20200	125.26664	0.351283	1
## 15089	101.35188	0.436409	1
## 7811	128.38287	0.589639	1
## 11702	95.13666	0.533160	1
## 15150	126.05003	0.718581	1
## 1125	76.27281	0.379974	1
## 21196	126.72995	0.514869	-1
## 7484	111.93893	0.732798	1
## 5492	118.07534	0.536319	1
## 15898	105.77461	0.416242	-1
## 14014	140.54663	0.792665	-1
## 6074	146.76810	0.768593	-1
## 18101	158.26402	0.804608	-1
## 21277	138.07823	0.689162	-1
## 6455	111.06904	0.357015	1
## 289	126.15625	0.623946	1
## 1248	139.29692	0.773316	-1
## 21134	124.45934	0.648480	1
## 22053	123.01363	0.393191	1
## 7573	146.88792	0.715912	-1
## 21296	134.03317	0.349848	-1
## 15484	95.57987	0.680605	1
## 20557	118.16784	0.799774	1
## 7761	93.80905	0.540919	1
## 5457	105.56193	0.787223	1
## 14849	115.91330	0.476422	1
## 15680	118.48883	0.469657	1
## 1989	133.34726	0.517602	-1
## 7195	136.50453	0.619326	1
## 19009	101.86519	0.340354	1
## 12151	96.25311	0.092898	-1
## 13318	130.10681	0.516140	-1
## 1061	150.93840	0.800930	-1
## 3568	107.97508	0.799064	-1
## 315	141.10269	0.915496	1
## 15726	127.69504	0.328393	-1
## 10174	98.54400	0.510912	1
## 15532	108.15188	0.551777	1
## 12192	122.45917	0.185587	-1
## 9135	130.86960	0.249047	-1
## 4899	72.76622	0.286882	1
## 9050	152.67822	0.667964	1
## 20090	107.09039	0.462045	1
## 12602	115.93571	0.725960	1
## 8469	148.73228	0.616008	-1
## 10518	93.05119	0.802876	1
## 5965	115.77408	0.500638	1
## 18851	118.87942	0.304449	-1
## 12836	101.56725	0.628528	1
## 1063	131.37607	0.914082	-1
## 14383	129.10646	0.321068	1
## 17500	128.05380	0.339480	1

## 5314	137.64148	0.559101	1
## 9370	140.73744	0.591270	1
## 584	95.54304	0.593780	1
## 9241	112.30118	0.397375	-1
## 7627	123.66267	0.606726	1
## 20093	113.62157	0.507792	1
## 11458	110.11961	0.232613	1
## 9207	112.10620	0.385948	-1
## 6490	159.20480	0.452192	-1
## 7019	151.66229	0.672328	-1
## 11599	139.81409	0.665617	1
## 6370	83.31290	0.639721	1
## 1938	98.72052	0.446298	-1
## 2559	105.21813	0.784012	-1
## 15168	144.67013	0.679835	1
## 13657	104.36501	0.280029	1
## 9954	136.94789	0.437776	-1
## 20434	140.85815	0.364315	-1
## 3717	153.37466	0.587132	-1
## 13936	139.19292	0.911570	1
## 13353	117.45642	0.298835	1
## 20862	99.62299	0.359333	1
## 4711	88.18144	0.287717	1
## 8160	122.69147	0.414327	1
## 18038	141.42804	0.593020	1
## 12624	101.93047	0.510080	1
## 11040	109.11068	0.465671	-1
## 12134	132.51788	0.135997	-1
## 10170	146.19118	0.879098	1
## 4754	118.75150	0.266964	1
## 17423	125.14874	0.344122	-1
## 9568	113.73410	0.550678	-1
## 8241	142.36496	0.382645	-1
## 20067	95.50435	0.205022	1
## 4756	116.75122	0.728793	1
## 2601	129.87482	0.423345	1
## 16953	107.85242	0.271128	1
## 3322	117.03732	0.576581	1
## 8383	116.71318	0.615452	1
## 1333	124.09142	0.928008	1
## 21276	134.90973	0.586687	-1
## 5525	125.18805	0.350582	-1
## 11414	122.52651	0.418374	1
## 11481	102.48178	0.618489	1
## 16805	117.46256	0.627296	1
## 11637	139.79125	0.342707	1
## 1486	106.12869	0.909476	1
## 13823	129.96959	0.376700	1
## 11650	132.71040	0.222059	1
## 9554	99.96805	0.177719	-1
## 1372	105.65418	0.902831	1
## 13862	147.69809	0.382865	1
## 6417	111.96613	0.657226	1
## 14465	126.39517	0.364784	-1

## 14814	116.18220	0.709338	1
## 17815	109.53565	0.384411	1
## 2594	130.92526	0.589752	-1
## 7995	144.50673	0.869768	-1
## 6175	116.92245	0.537332	1
## 10079	147.60353	0.707245	-1
## 15523	136.95129	0.322266	1
## 12865	150.14038	0.452384	1
## 8135	77.79334	0.444344	1
## 16878	134.84116	0.500817	1
## 5756	91.39331	0.125488	1
## 8607	105.23650	0.448083	1
## 3319	123.90834	0.831736	1
## 2129	114.64400	0.805858	-1
## 6616	121.63308	0.469613	1
## 11403	126.49608	0.518758	1
## 4016	115.77494	0.412672	-1
## 13014	135.39006	0.761997	1
## 7221	128.43224	0.339427	-1
## 525	122.56829	0.338585	1
## 22075	160.97020	0.485224	1
## 16676	66.51392	0.281974	1
## 14611	125.04610	0.279214	-1
## 9591	129.13496	0.346699	-1
## 941	137.41118	0.711170	1
## 4196	142.11357	0.750847	-1
## 19792	141.81467	0.522540	1
## 17868	106.46862	0.771614	1
## 18162	118.86092	0.574537	1
## 684	139.41951	0.707740	-1
## 17415	141.34293	0.441625	-1
## 15396	118.38603	0.852007	1
## 5484	137.14877	0.583699	1
## 13132	103.80959	0.466842	1
## 8355	113.40399	0.357462	1
## 18523	131.75124	0.481402	-1
## 222	91.14117	0.588786	1
## 22370	123.12862	0.314786	-1
## 15578	87.26093	0.617804	1
## 968	88.02180	0.502433	1
## 4914	112.60015	0.479339	1
## 4185	117.18160	0.893185	-1
## 3432	126.71796	0.615261	-1
## 7317	102.95742	0.503692	1
## 10075	146.05028	0.601665	-1
## 6653	106.14839	0.449701	-1
## 14692	103.83485	0.845953	1
## 21354	110.96610	0.755068	1
## 7028	139.09334	0.591040	-1
## 16854	107.11446	0.554754	1
## 9735	127.57378	0.531283	1
## 19865	120.42728	0.271244	-1
## 6139	141.51427	0.626303	-1
## 2381	115.25201	0.458656	-1

## 11439	100.67241	0.397948	1
## 837	87.75320	0.654989	1
## 15268	141.44357	0.716405	1
## 17870	130.19681	0.359982	1
## 2473	151.73438	0.366357	-1
## 18829	145.15181	0.539463	-1
## 16973	121.66082	0.315643	1
## 13351	99.23354	0.227160	1
## 20579	102.97706	0.309419	1
## 3700	142.55763	0.924738	-1
## 19110	112.73385	0.244766	1
## 2064	124.70564	0.549061	1
## 1020	130.52145	0.480445	-1
## 17313	129.92746	0.296677	-1
## 13504	151.22441	0.444952	-1
## 10165	119.28155	0.549936	1
## 21128	102.85896	0.466286	1
## 4925	127.56963	0.698763	1
## 11335	120.00055	0.665448	1
## 696	108.36774	0.700549	-1
## 10103	120.63119	0.269215	1
## 4334	135.80524	0.693953	-1
## 19787	106.46879	0.607967	1
## 7763	88.04740	0.427664	1
## 3725	117.38466	0.745103	1
## 14219	134.86279	0.276363	-1
## 555	146.21747	0.449145	1
## 4315	114.68657	0.625528	1
## 9407	122.77559	0.227163	-1
## 5171	126.57639	0.361200	1
## 2522	86.77765	0.363494	1
## 5671	123.09798	0.439284	-1
## 283	103.78059	0.261706	1
## 7812	96.87952	0.580107	1
## 12868	152.08730	0.236077	1
## 5889	148.33530	0.792130	-1
## 4264	105.71920	0.690852	1
## 18111	146.23471	0.815829	-1
## 21671	110.05832	0.347377	1
## 6244	125.34090	0.362341	1
## 5750	122.32585	0.274745	1
## 18877	115.38438	0.403983	1
## 5024	97.01335	0.634787	1
## 615	83.24254	0.360212	1
## 2818	94.49091	0.317905	-1
## 4357	135.57523	0.763299	-1
## 491	95.92607	0.302469	1
## 14475	142.86838	0.730989	-1
## 3902	119.34005	0.306178	1
## 9794	120.65585	0.564625	-1
## 8598	137.96434	0.248550	1
## 10066	150.18133	0.677834	-1
## 9969	133.79546	0.800938	-1
## 11521	91.79561	0.522571	1

## 8216	133.08049	0.517940	1
## 3556	123.93645	0.922426	-1
## 13113	115.06186	0.771214	1
## 14031	142.56854	0.654315	-1
## 7932	124.62243	0.536916	-1
## 2361	86.31490	0.354727	1
## 3317	87.51708	0.895117	1
## 19732	135.99556	0.446463	-1
## 2127	127.69791	0.419117	-1
## 4650	99.16228	0.386841	1
## 22057	126.11221	0.553162	1
## 5810	131.86791	0.174861	1
## 13885	84.73522	0.306504	1
## 10952	153.23033	0.511737	-1
## 12473	98.94462	0.776559	1
## 151	142.01578	0.223843	1
## 4743	104.53564	0.672226	1
## 17180	92.71440	0.370195	1
## 1859	120.08320	0.497610	1
## 3787	111.28455	0.502108	1
## 11850	115.08865	0.623773	1
## 9584	113.26317	0.162591	-1
## 13237	145.38661	0.326693	-1
## 2120	129.77712	0.471161	-1
## 4242	130.35020	0.537675	1
## 20634	146.04134	0.261052	1
## 19221	141.21845	0.663134	1
## 6477	97.66245	0.272958	-1
## 12002	129.17129	0.786598	1
## 19752	127.72245	0.682941	-1
## 8550	75.14220	0.403759	1
## 1879	123.05984	0.572915	1
## 8819	124.68640	0.531145	1
## 4702	131.55600	0.284300	1
## 11607	118.51352	0.536600	1
## 15667	154.52599	0.725841	1
## 8666	111.45700	0.454149	-1
## 207	108.71973	0.416145	1
## 11418	128.16251	0.778489	1
## 15642	103.89903	0.677269	1
## 20828	99.64279	0.262727	1
## 14471	132.42171	0.335283	-1
## 15778	131.22667	0.572988	1
## 11638	111.45970	0.491253	1
## 11217	130.82471	0.281360	-1
## 13797	111.83784	0.625535	1
## 16502	131.84798	0.379959	1
## 10864	121.68671	0.409878	1
## 18792	128.37009	0.348340	-1
## 9077	121.02101	0.271579	1
## 5038	117.15157	0.391060	1
## 7929	93.85263	0.336581	-1
## 16096	149.83191	0.737020	1
## 8614	153.88852	0.634245	-1

## 5323	140.72057	0.385833	-1
## 5549	136.02687	0.596253	-1
## 15587	115.71886	0.348628	1
## 2825	117.10149	0.692694	-1
## 4814	91.39042	0.353167	1
## 3003	78.49040	0.644172	1
## 18469	151.13025	0.710664	-1
## 2171	115.40332	0.455576	1
## 11242	151.61224	0.700127	-1
## 14393	107.89352	0.309371	1
## 231	111.80076	0.818626	1
## 15619	108.35440	0.252393	1
## 21727	121.53094	0.561971	-1
## 21205	103.68331	0.495864	-1
## 211	135.02869	0.430854	1
## 8381	136.03363	0.718244	1
## 7292	113.65193	0.562882	1
## 19441	129.78891	0.353236	1
## 12811	121.63585	0.461470	1
## 21617	90.67223	0.516125	1
## 10512	93.85349	0.691586	1
## 9290	138.20018	0.505256	1
## 4988	91.37259	0.612371	1
## 13807	140.31731	0.503369	1
## 9203	128.45174	0.497679	-1
## 5195	90.80563	0.524604	1
## 5719	134.62913	0.567829	-1
## 8809	113.40093	0.898303	1
## 15972	113.56461	0.488654	1
## 14865	121.45526	0.631967	1
## 3244	124.86644	0.749926	-1
## 4022	110.25459	0.616945	-1
## 20750	107.78003	0.252863	-1
## 22337	119.60364	0.385478	1
## 8708	111.90272	0.576390	1
## 14413	145.00105	0.613879	-1
## 22084	85.51457	0.551154	1
## 10724	126.86897	0.269710	1
## 21105	112.86247	0.254867	1
## 16243	139.61624	0.413255	1
## 16649	89.41280	0.657358	1
## 6384	121.97610	0.376527	1
## 4572	131.31020	0.717520	1
## 632	107.18021	0.772822	1
## 9832	110.25128	0.156783	1
## 2147	118.48640	0.437629	1
## 9053	143.33209	0.693037	1
## 4770	105.60205	0.286886	1
## 17888	89.52845	0.492658	-1
## 11539	116.73071	0.461586	1
## 7185	151.76123	0.536239	1
## 20101	131.86075	0.751355	1
## 17239	115.54739	0.262865	-1
## 19796	118.08697	0.662679	1

## 6420	109.29937	0.855344	1
## 18625	134.53035	0.645807	-1
## 3503	129.70175	0.358068	1
## 840	107.77156	0.637477	1
## 13583	131.74287	0.659483	1
## 17002	147.21512	0.479228	1
## 18634	151.85094	0.773501	-1
## 19567	123.30830	0.577073	-1
## 18701	117.41479	0.490594	1
## 3655	140.30914	0.815857	1
## 21165	123.16582	0.296933	-1
## 1200	78.77254	0.344910	1
## 16308	110.11025	0.392310	1
## 17580	128.09613	0.410682	-1
## 103	96.16812	0.652804	1
## 7022	159.44353	0.705490	-1
## 1660	113.14723	0.794791	-1
## 11345	134.80290	0.808552	1
## 8765	91.06531	0.475937	1
## 4053	109.16949	0.497894	-1
## 18798	137.84662	0.416328	-1
## 11840	127.85909	0.747328	1
## 16442	87.29598	0.418601	1
## 6228	80.14001	0.397406	1
## 7868	99.77104	0.727581	1
## 11795	107.88274	0.717615	1
## 20260	104.14091	0.605570	1
## 2944	119.41830	0.844594	1
## 980	121.42436	0.273884	1
## 11674	136.93881	0.670483	1
## 17715	63.86678	0.506984	1
## 1634	111.36774	0.689790	-1
## 10286	112.36262	0.682771	1
## 1579	139.30434	0.817287	-1
## 7968	125.98858	0.341559	-1
## 12169	123.82867	0.174184	-1
## 21596	78.21624	0.404121	1
## 10354	98.93874	0.668578	1
## 13058	124.86391	0.332412	-1
## 9229	146.11887	0.361133	-1
## 13694	129.30838	0.763948	1
## 22218	137.41713	0.551183	-1
## 21038	140.86769	0.264723	1
## 15384	123.42748	0.754110	1
## 5064	88.17635	0.699936	1
## 6002	119.67102	0.431132	1
## 12512	81.76923	0.617390	1
## 14121	110.09472	0.697474	1
## 11529	92.70551	0.658116	1
## 18722	124.25758	0.193441	1
## 16090	102.04552	0.839815	1
## 18437	149.16122	0.720735	-1
## 4032	141.57636	0.952563	-1
## 16248	108.88917	0.650776	1

## 14822	108.98495	0.565113	1
## 1900	109.93160	0.864952	-1
## 10857	121.79429	0.552816	1
## 5985	160.76991	0.456200	1
## 2510	116.07387	0.763061	1
## 15682	128.72325	0.447676	1
## 8468	127.94312	0.529478	-1
## 20054	101.87470	0.743805	-1
## 8012	136.84541	0.263375	-1
## 6661	151.78374	0.588741	-1
## 11149	145.34514	0.497472	-1
## 11181	131.58438	0.613862	1
## 5733	97.98933	0.689345	1
## 10505	83.66426	0.661712	1
## 16841	100.81825	0.427887	1
## 18717	142.34979	0.719699	1
## 17826	129.73410	0.326121	1
## 21698	137.53816	0.393512	1
## 8089	144.50783	0.650747	-1
## 11655	133.76298	0.333132	1
## 1121	97.25051	0.513738	1
## 9604	106.88641	0.168316	-1
## 20277	136.69490	0.655139	1
## 11130	146.22101	0.786341	-1
## 17432	110.05705	0.514779	-1
## 21956	142.55425	0.270966	-1
## 4404	98.58837	0.716271	1
## 22499	92.07769	0.536178	1
## 18632	142.42215	0.504375	-1
## 19563	139.30937	0.598607	-1
## 18911	138.15602	0.752847	1
## 11200	110.10843	0.466455	-1
## 17446	138.06709	0.869327	-1
## 5003	122.26648	0.395107	1
## 4960	113.91721	0.661622	1
## 14214	108.86752	0.499700	-1
## 22395	143.34116	0.753399	-1
## 9681	137.32440	0.816872	1
## 813	145.37822	0.800086	-1
## 10711	85.39287	0.693839	1
## 14444	127.44339	0.485087	-1
## 892	97.87202	0.862864	1
## 6449	107.40066	0.443366	1
## 12291	102.19898	0.475855	1
## 20083	125.68264	0.754367	1
## 19627	129.45830	0.178145	-1
## 11662	117.58629	0.338527	1
## 7645	135.68732	0.750742	1
## 1096	116.05428	0.602578	1
## 10951	140.17281	0.553278	-1
## 21479	111.41502	0.594628	-1
## 1918	113.02223	0.486077	-1
## 5114	140.58679	0.488794	-1
## 14621	109.32282	0.616158	-1

## 13866	138.29942	0.525014	1
## 16919	133.96603	0.566082	1
## 1489	100.43690	0.910012	1
## 3505	108.36063	0.617581	1
## 6804	138.37700	0.682079	-1
## 2557	123.98553	0.742274	-1
## 18988	138.22061	0.437232	-1
## 3496	95.80496	0.751852	1
## 12620	106.99391	0.678998	1
## 21880	132.61324	0.449675	-1
## 17183	84.45734	0.438835	1
## 10207	136.63444	0.677626	1
## 6294	152.76730	0.772895	-1
## 3156	115.50426	0.398076	1
## 20849	130.67110	0.666324	1
## 1725	84.49742	0.349832	-1
## 13054	130.67720	0.409463	-1
## 598	77.81132	0.305866	1
## 22359	138.01007	0.536302	-1
## 15162	83.77745	0.625449	1
## 14181	122.50663	0.505112	-1
## 6610	124.24623	0.776504	1
## 6365	120.53854	0.750157	1
## 15439	110.20060	0.563316	1
## 5928	113.83838	0.824402	1
## 7281	133.19162	0.241882	1
## 22384	127.80988	0.305342	-1
## 8047	145.55418	0.327902	-1
## 12132	115.45209	0.103904	-1
## 5669	117.59330	0.336494	-1
## 21861	87.78450	0.362495	1
## 3329	118.44441	0.488340	1
## 8009	149.26442	0.294337	-1
## 7838	107.56226	0.863828	1
## 10246	105.93571	0.430253	1
## 21800	150.68341	0.674048	-1
## 12384	100.69730	0.687083	1
## 11756	133.49121	0.465605	-1
## 13254	136.22073	0.471692	-1
## 7748	141.56439	0.740500	1
## 22432	113.51075	0.753457	-1
## 6010	81.87139	0.421679	1
## 9993	134.95650	0.382284	-1
## 14614	123.98682	0.667788	-1
## 15992	90.99032	0.497819	1
## 9736	107.63551	0.622938	1
## 17001	152.35551	0.509696	1
## 9092	117.75249	0.313894	1
## 20933	137.90489	0.300229	1
## 14294	94.88268	0.265165	-1
## 19618	95.62307	0.156604	-1
## 17278	135.26605	0.319507	-1
## 20134	115.33749	0.202962	1
## 13953	115.50564	0.142901	1

## 1360	127.02020	0.835600	1
## 455	127.97948	0.617053	1
## 6997	123.08672	0.522273	1
## 13128	120.24081	0.250761	1
## 10858	127.90578	0.599579	1
## 17335	119.02914	0.420535	1
## 21545	143.95190	0.213740	-1
## 19467	123.10408	0.341444	1
## 20957	121.76150	0.465154	1
## 8347	84.61864	0.505235	1
## 2972	135.42918	0.666511	-1
## 1254	134.03485	0.762033	-1
## 10376	103.20528	0.802970	1
## 660	99.32029	0.432716	1
## 14720	124.05194	0.279855	1
## 21039	96.45126	0.239962	1
## 30	113.67149	0.396954	1
## 1149	133.27438	0.816556	-1
## 6096	126.77898	0.465913	1
## 17101	94.10878	0.330979	-1
## 7965	126.01938	0.218668	-1
## 19281	116.33104	0.478227	-1
## 15258	146.35162	0.162736	1
## 10631	118.67672	0.276575	1
## 11096	150.97809	0.772955	-1
## 14220	117.29605	0.273387	-1
## 2936	121.71480	0.814737	1
## 2994	117.73420	0.769123	-1
## 2804	139.50240	0.436878	-1
## 683	137.07452	0.486625	1
## 11957	119.72780	0.703518	1
## 19961	107.67829	0.143304	1
## 3766	108.78464	0.731848	1
## 16962	106.15798	0.398997	1
## 9582	98.39128	0.259372	-1
## 22004	108.74189	0.838530	1
## 14920	107.32847	0.718932	1
## 14136	123.47282	0.120506	1
## 13603	139.11113	0.381697	1
## 5384	137.07623	0.341243	-1
## 14451	144.50743	0.416848	-1
## 12419	115.64065	0.343509	1
## 16156	119.57666	0.906022	1
## 1549	100.11390	0.561624	-1
## 1959	111.19688	0.437580	-1
## 6093	106.02924	0.835778	1
## 16981	114.89723	0.321799	1
## 4314	122.84408	0.604116	1
## 8253	151.87259	0.637014	-1
## 22159	107.02423	0.670261	1
## 9775	128.17801	0.165501	-1
## 1917	107.21108	0.459988	-1
## 7520	139.40141	0.693744	1
## 11916	101.73864	0.488436	1

## 3359	109.53915	0.489902	1
## 3113	122.46141	0.681496	-1
## 7642	126.52332	0.467509	1
## 19783	114.50615	0.759239	1
## 22521	150.05953	0.624862	1
## 8391	106.77861	0.467278	1
## 3197	123.14893	0.824525	-1
## 16408	93.64233	0.822418	1
## 9720	115.26530	0.298002	1
## 20219	139.11316	0.617666	1
## 19323	112.03870	0.267277	-1
## 17638	139.08122	0.620991	1
## 19177	125.28620	0.218779	1
## 9238	119.45692	0.721059	-1
## 14804	93.76919	0.338319	1
## 11348	84.91771	0.689699	1
## 13307	140.05794	0.601005	-1
## 8917	151.69513	0.608796	-1
## 17837	102.03816	0.471625	1
## 20187	143.51266	0.389798	1
## 16606	113.70290	0.633824	1
## 19802	132.59491	0.660510	1
## 4996	106.62896	0.698695	1
## 14244	114.77167	0.381654	-1
## 10327	103.57159	0.622015	1
## 13100	119.20069	0.485376	1
## 1177	89.08930	0.376780	1
## 1402	147.51292	0.931194	-1
## 2310	147.93240	0.930135	-1
## 2447	145.11926	0.364607	1
## 10583	97.75670	0.457586	1
## 11158	120.44013	0.361375	-1
## 16566	127.89519	0.589763	1
## 14829	123.68819	0.677002	1
## 9434	100.23877	0.386277	-1
## 9834	120.61890	0.248252	1
## 14169	99.50541	0.355001	-1
## 3864	86.26844	0.474273	1
## 16482	91.75159	0.444437	1
## 14934	106.64107	0.838732	1
## 8222	120.41943	0.284642	1
## 1161	134.24878	0.774324	-1
## 9358	115.24828	0.185351	1
## 11046	124.75138	0.757070	-1
## 14145	74.95725	0.246442	1
## 8918	132.78958	0.562773	-1
## 12825	92.77314	0.772317	1
## 3246	138.40277	0.821858	-1
## 18796	137.19243	0.580051	-1
## 1391	122.18697	0.621969	1
## 2378	87.67575	0.621120	-1
## 8287	115.18809	0.584807	1
## 16696	105.56673	0.782544	1
## 6549	106.87312	0.618996	1

## 13854	129.48082	0.776222	1
## 10639	126.60825	0.674595	1
## 18291	142.22179	0.665797	-1
## 20130	154.94586	0.143065	1
## 14582	146.15846	0.740724	-1
## 11081	150.26799	0.728418	-1
## 1488	103.97894	0.901062	1
## 3046	127.18604	0.710771	1
## 18483	127.76986	0.517897	-1
## 7371	143.11491	0.672427	-1
## 15724	120.56619	0.476534	-1
## 1729	78.91883	0.810073	1
## 6666	129.71867	0.552303	-1
## 9997	141.32065	0.337082	-1
## 13983	139.85368	0.204621	-1
## 7564	107.64334	0.261861	-1
## 1119	94.09358	0.501573	1
## 19648	91.61095	0.232733	-1
## 18818	138.72891	0.708269	-1
## 7656	97.33346	0.409798	1
## 11793	80.18639	0.497932	1
## 5121	133.83467	0.818998	-1
## 12239	101.05903	0.309689	-1
## 19236	121.86743	0.370464	1
## 7178	90.87621	0.410347	-1
## 13401	141.39327	0.697437	1
## 11009	123.75640	0.606444	-1
## 17050	126.62257	0.500511	1
## 16266	101.79758	0.389633	1
## 12606	114.17494	0.670951	1
## 15088	118.74116	0.382837	1
## 4310	128.58635	0.805435	1
## 3267	147.63808	0.647112	-1
## 14318	109.84262	0.282296	1
## 19521	134.74425	0.315459	-1
## 16207	80.27718	0.437788	1
## 13302	148.15947	0.625834	-1
## 8128	129.22272	0.689198	1
## 12091	132.23544	0.219395	-1
## 1714	144.18678	0.807498	-1
## 15443	111.76224	0.582380	1
## 14209	119.43493	0.606706	-1
## 2984	121.72089	0.710776	-1
## 8912	112.56906	0.524189	-1
## 17806	110.01566	0.300828	1
## 14481	121.50517	0.473059	-1
## 15671	142.48286	0.621966	1
## 10539	107.02356	0.433834	1
## 2457	123.57702	0.362512	1
## 17801	73.13024	0.759637	1
## 8323	147.70406	0.583923	1
## 21250	113.65990	0.251979	-1
## 4389	111.03600	0.337426	-1
## 4564	114.12534	0.298595	1

## 16122	124.27560	0.540282	1
## 589	77.63416	0.547811	1
## 10877	91.68005	0.300764	1
## 12917	77.00786	0.448963	1
## 9166	110.74344	0.619567	-1
## 3951	104.04858	0.355805	1
## 12431	129.51137	0.716155	1
## 13258	142.26979	0.623916	-1
## 10216	104.86456	0.795411	1
## 11986	114.13905	0.517065	1
## 8957	138.14589	0.712731	-1
## 22138	143.70981	0.395799	-1
## 10252	130.38327	0.401638	1
## 19840	126.74466	0.443221	1
## 581	84.48827	0.698029	1
## 2358	118.04452	0.875638	1
## 5210	108.85116	0.315621	-1
## 18069	100.90959	0.670088	-1
## 19899	88.99960	0.253663	1
## 409	165.83919	0.493504	1
## 8990	123.99003	0.374599	-1
## 13321	141.16505	0.697982	-1
## 7436	134.60335	0.511116	1
## 2422	99.21619	0.524541	1
## 14770	129.66905	0.382901	1
## 7621	80.42333	0.568728	1
## 6623	93.09235	0.402376	1
## 8752	118.84151	0.530846	1
## 145	133.98384	0.240982	1
## 22259	105.88174	0.489126	1
## 15899	123.40233	0.851124	-1
## 18397	125.34248	0.432168	1
## 995	148.19772	0.698420	-1
## 17936	140.96005	0.723213	-1
## 2701	142.28560	0.767741	-1
## 12615	84.82767	0.786302	1
## 14117	120.31278	0.570913	1
## 4771	105.82279	0.285028	1
## 17901	121.39630	0.743491	-1
## 20185	127.15342	0.441387	1
## 10350	136.50749	0.092761	1
## 20714	130.64107	0.427809	-1
## 2489	114.38725	0.622479	1
## 2627	109.12875	0.858793	1
## 12441	127.38946	0.828207	1
## 8215	127.44254	0.564824	1
## 21507	152.46173	0.575294	-1
## 15159	118.46417	0.428842	1
## 13864	129.25859	0.572287	1
## 21677	116.77797	0.502688	1
## 2295	93.17729	0.431303	1
## 19151	137.23399	0.674831	1
## 8100	81.34802	0.667179	1
## 1620	110.10082	0.721927	-1

## 5670	112.68607	0.548639	-1
## 10356	117.90070	0.168923	1
## 21164	138.29736	0.243560	-1
## 17689	128.18983	0.415467	1
## 98	67.91911	0.398125	1
## 8962	145.10487	0.708502	-1
## 14868	106.09739	0.533995	1
## 19126	80.01157	0.240575	1
## 1716	149.15887	0.864113	-1
## 818	120.57122	0.373085	-1
## 11105	143.61147	0.684639	-1
## 1289	98.69671	0.753804	1
## 14252	116.19325	0.476734	-1
## 1059	134.69356	0.424727	-1
## 15811	133.12521	0.899960	1
## 19724	118.21867	0.175696	-1
## 20280	139.50411	0.673416	1
## 5394	102.23262	0.452607	-1
## 17459	108.54530	0.544412	-1
## 16992	93.65581	0.652823	1
## 4708	90.78414	0.217401	1
## 13410	151.19519	0.344974	1
## 22531	109.82425	0.799804	1
## 15789	135.32858	0.756697	1
## 934	137.43015	0.405100	1
## 11453	125.26302	0.344176	1
## 2007	153.42685	0.478934	-1
## 9473	108.60309	0.472669	1
## 6329	132.37259	0.541093	-1
## 5018	120.27283	0.842667	1
## 12197	102.45725	0.183330	-1
## 14388	129.27010	0.213116	1
## 21528	107.56432	0.333822	-1
## 3364	123.79584	0.664127	1
## 12576	89.18817	0.253689	1
## 9976	143.09349	0.392523	-1
## 3368	121.13774	0.753805	1
## 9507	140.48962	0.214527	1
## 8127	110.25290	0.246877	1
## 10681	76.98689	0.568394	1
## 9206	122.55859	0.517753	-1
## 8312	125.60071	0.911858	1
## 9467	100.77165	0.522465	1
## 15400	123.09006	0.457632	1
## 14842	123.54765	0.814055	1
## 20364	148.66029	0.720841	-1
## 2678	118.50027	0.577294	-1
## 3040	123.39585	0.600564	1
## 2039	121.98047	0.618325	1
## 7684	123.52816	0.652451	1
## 9297	134.02692	0.590614	1
## 12471	82.52192	0.827336	1
## 12776	74.27573	0.565314	1
## 22321	149.68207	0.520046	1

## 288	93.58119	0.579674	1
## 1925	109.03994	0.353740	-1
## 3528	120.98207	0.636666	1
## 15732	119.82686	0.429780	-1
## 14995	140.26601	0.416007	1
## 1176	93.64727	0.679456	1
## 6145	146.74724	0.756506	-1
## 11689	129.48889	0.274834	1
## 8060	123.64236	0.521245	-1
## 14066	150.03030	0.568447	-1
## 14947	139.31351	0.632970	1
## 11343	81.91570	0.699133	1
## 22480	87.33562	0.334572	1
## 8417	102.26300	0.840763	1
## 11877	115.89980	0.763662	1
## 984	124.10635	0.631425	1
## 21968	90.43313	0.279090	1
## 10592	116.01948	0.786539	1
## 19375	125.56995	0.341070	-1
## 4347	140.28496	0.636076	-1
## 11172	124.50639	0.737762	1
## 4663	103.77738	0.652900	1
## 1493	91.15609	0.594741	-1
## 19491	129.95914	0.479626	1
## 17186	121.47505	0.806985	1
## 15230	120.18227	0.764508	1
## 8328	108.23734	0.432850	1
## 12857	79.03159	0.310239	1
## 1262	145.89983	0.607567	-1
## 3398	93.47398	0.433271	1
## 11247	137.54878	0.472842	-1
## 12567	83.72416	0.528790	1
## 1314	96.28327	0.499103	1
## 7908	91.26149	0.312006	-1
## 18886	99.46250	0.235729	1
## 3831	118.97982	0.841637	-1
## 15943	130.81422	0.415838	-1
## 18915	128.27338	0.507026	1
## 6024	147.89375	0.724534	-1
## 20878	114.25777	0.142076	1
## 4693	95.55986	0.505647	1
## 20394	120.27374	0.580747	-1
## 3513	103.70836	0.724473	1
## 4019	113.36238	0.639488	-1
## 2334	142.41048	0.489730	-1
## 7727	126.17400	0.294360	1
## 12035	99.19230	0.639835	1
## 8481	123.23777	0.469780	-1
## 4681	134.11792	0.780480	1
## 20655	109.72554	0.287481	1
## 7669	102.30613	0.322181	1
## 3558	146.95598	0.863162	-1
## 22360	135.44696	0.478517	-1
## 17066	117.19429	0.566560	-1

## 4355	134.16396	0.771200	-1
## 13670	103.76852	0.258084	1
## 7554	122.69590	0.354493	-1
## 19722	129.45938	0.715045	-1
## 14449	143.99832	0.862791	-1
## 18485	133.87526	0.744624	-1
## 10792	123.32991	0.390977	1
## 9984	136.16057	0.480899	-1
## 18353	114.71203	0.218687	1
## 3662	102.62873	0.682633	1
## 797	141.64023	0.947066	1
## 9776	120.41943	0.434839	-1
## 7686	133.51343	0.535832	-1
## 8843	115.79139	0.676550	1
## 14328	120.09206	0.352699	1
## 19400	139.64830	0.704608	1
## 14906	117.19540	0.689806	1
## 6335	108.51019	0.272530	-1
## 2884	126.96653	0.784431	1
## 10064	128.40306	0.407172	-1
## 20221	128.48392	0.705047	1
## 8114	111.25164	0.667016	1
## 5886	149.13071	0.620886	-1
## 20687	110.64176	0.362749	-1
## 11612	129.09755	0.749777	1
## 15834	109.67402	0.455051	-1
## 8851	134.50136	0.548728	1
## 14300	118.41676	0.744170	-1
## 2042	131.78265	0.860413	1
## 692	97.64877	0.696180	-1
## 15529	111.51888	0.397260	1
## 18616	108.54992	0.326905	-1
## 8982	147.12585	0.661629	-1
## 11144	129.65903	0.343019	-1
## 12555	117.23484	0.514678	1
## 22005	113.97968	0.831521	1
## 22456	133.41968	0.448070	-1
## 8308	122.22297	0.608226	1
## 13480	125.49120	0.327839	1
## 3346	117.28490	0.592010	1
## 22096	124.36341	0.434442	-1
## 13511	144.07294	0.565458	-1
## 12101	97.86041	0.294626	-1
## 11673	128.47537	0.786535	1
## 9175	124.39800	0.369904	-1
## 11663	105.63593	0.340087	1
## 2271	108.63574	0.334964	1
## 16068	86.92630	0.272184	1
## 13850	127.63525	0.242505	1
## 3269	104.31660	0.600581	-1
## 20263	95.96139	0.487384	1
## 5356	126.10441	0.838601	-1
## 671	117.44987	0.487120	1
## 13679	120.77414	0.477325	1

## 34	126.57639	0.361200	1
## 6936	129.68884	0.869657	1
## 21830	135.76221	0.391050	1
## 10516	90.28711	0.569583	1
## 2613	79.17375	0.610201	1
## 16902	108.76209	0.360926	1
## 12440	127.94710	0.394753	1
## 18193	130.57921	0.324397	1
## 11126	141.32709	0.604809	-1
## 8853	109.12483	0.617964	1
## 21914	158.04541	0.749772	-1
## 7706	128.19730	0.657979	-1
## 14390	125.34418	0.489160	1
## 14147	108.55778	0.269666	1
## 12462	118.28722	0.759901	1
## 13756	132.11392	0.377603	-1
## 21029	125.19999	0.285999	1
## 902	133.87679	0.637524	-1
## 123	130.81813	0.731949	1
## 1829	90.12157	0.471105	1
## 15043	110.43301	0.545562	1
## 22173	97.52251	0.611473	1
## 17338	100.60590	0.432752	1
## 11630	114.25485	0.810806	1
## 9350	132.76529	0.388605	1
## 18931	123.17221	0.555291	1
## 6956	109.47093	0.494506	1
## 14054	132.12962	0.473455	-1
## 1870	144.84322	0.372710	1
## 19891	119.34594	0.226202	1
## 11520	101.18964	0.351431	1
## 16208	148.88413	0.532428	1
## 9890	129.53519	0.410476	1
## 12306	118.64386	0.705235	1
## 3776	112.37904	0.375780	1
## 17752	128.24236	0.442002	-1
## 5144	124.97644	0.399679	1
## 13181	156.00606	0.219338	1
## 4607	91.14925	0.459567	1
## 21091	103.50137	0.220929	1
## 13853	127.73920	0.176359	1
## 4328	102.95252	0.859003	1
## 18035	93.29334	0.493455	1
## 14197	142.62468	0.507065	-1
## 3765	98.18128	0.817526	1
## 7891	76.73544	0.310795	-1
## 19198	146.73772	0.798237	1
## 14547	123.36062	0.665850	1
## 7620	87.52992	0.584839	1
## 5845	152.48764	0.808375	-1
## 8522	120.78142	0.632115	1
## 19676	111.23319	0.204967	-1
## 5202	131.45848	0.599375	1
## 9454	101.52448	0.399998	1

## 10243	112.73829	0.843314	1
## 5169	119.38635	0.300859	1
## 11723	130.83188	0.660066	-1
## 17987	117.53699	0.308479	1
## 8635	142.44402	0.366917	-1
## 9773	83.68277	0.201649	-1
## 19730	102.89503	0.459329	-1
## 18449	140.81343	0.516356	-1
## 7419	92.54617	0.341313	1
## 9884	122.39839	0.143300	1
## 16971	118.22933	0.508435	1
## 7480	112.25893	0.732731	1
## 19509	129.39864	0.540931	-1
## 17579	68.91322	0.321105	-1
## 4734	90.39705	0.766726	1
## 1866	142.08440	0.323579	1
## 2060	107.62823	0.277607	1
## 5865	157.60770	0.759156	-1
## 13459	116.06954	0.403536	1
## 562	62.99981	0.617790	1
## 1981	116.22056	0.870000	-1
## 11287	121.33650	0.873048	1
## 22190	136.17993	0.601554	-1
## 7971	125.60792	0.323432	-1
## 3923	97.22925	0.527908	1
## 21953	145.97893	0.674360	-1
## 14925	93.28765	0.584710	1
## 9956	129.02800	0.316466	-1
## 14554	114.51305	0.512301	1
## 3780	111.55912	0.714838	1
## 17640	120.35630	0.707077	1
## 10279	105.23343	0.838810	1
## 21619	116.50691	0.675202	1
## 4917	100.87183	0.540663	1
## 5412	126.26894	0.311994	-1
## 17263	97.95994	0.663498	-1
## 12292	85.51920	0.367471	1
## 9835	125.23781	0.398448	1
## 1301	134.75049	0.490266	1
## 10806	120.57069	0.615430	1
## 3297	129.43628	0.560619	-1
## 8054	125.29109	0.246994	-1
## 14177	118.66673	0.554708	-1
## 18661	116.44880	0.607612	1
## 7203	143.51523	0.354140	-1
## 20858	138.06958	0.702976	1
## 2237	115.87990	0.500627	1
## 7678	126.32217	0.765191	1
## 113	107.16775	0.357164	1
## 16192	125.06184	0.372420	1
## 6513	133.68019	0.537219	-1
## 11170	137.66997	0.753397	1
## 19131	115.84261	0.396052	1
## 10782	109.17188	0.240936	1

## 16309	97.41080	0.428446	1
## 18410	68.09660	0.333893	1
## 14326	131.36230	0.343346	1
## 14919	130.64755	0.731297	1
## 4938	121.53210	0.770770	1
## 8557	125.65441	0.780905	1
## 17903	147.61909	0.672083	-1
## 13649	114.35768	0.346381	1
## 7246	136.03863	0.538423	-1
## 5802	127.17550	0.342243	1
## 15674	117.82613	0.603106	1
## 6690	112.19081	0.340208	-1
## 7786	116.19303	0.498705	1
## 3488	129.15221	0.802417	1
## 18071	100.58764	0.504594	-1
## 17322	131.92593	0.297626	-1
## 16209	111.42831	0.750360	1
## 2393	138.39046	0.871097	-1
## 6677	140.70160	0.384128	-1
## 575	136.78983	0.808758	-1
## 13523	145.25011	0.700544	-1
## 4529	95.61089	0.347496	1
## 3334	140.37474	0.364441	1
## 1304	75.54451	0.460436	1
## 1810	115.85578	0.760867	-1
## 16080	107.79067	0.726942	1
## 8288	118.85643	0.567261	1
## 14026	144.18886	0.386336	-1
## 10712	88.82343	0.761614	1
## 10800	111.68046	0.487804	1
## 17950	153.66849	0.341179	-1
## 19886	71.43664	0.398916	1
## 1863	112.10732	0.503063	1
## 14875	101.02309	0.732761	1
## 13541	124.47253	0.593678	1
## 10517	105.10908	0.676303	1
## 18132	79.46166	0.431419	-1
## 16086	106.90391	0.644465	1
## 19574	135.41829	0.207490	-1
## 13772	100.12754	0.310243	1
## 8368	114.13135	0.855980	1
## 19628	124.00145	0.183732	-1
## 12906	113.72778	0.658408	1
## 18153	130.77458	0.598628	1
## 12217	132.42691	0.426910	-1
## 4160	88.48052	0.554580	-1
## 17941	145.46307	0.632007	-1
## 5197	132.82217	0.557575	1
## 14246	128.21065	0.272466	-1
## 10557	115.58434	0.898180	1
## 8688	135.30061	0.819915	1
## 15514	78.19397	0.507866	1
## 1610	111.98273	0.654683	-1
## 17791	103.84999	0.390455	1

## 1985	143.10701	0.975195	-1
## 856	98.00719	0.614598	1
## 17174	108.85841	0.472517	-1
## 19490	114.61424	0.336211	1
## 20522	118.39502	0.313597	-1
## 22091	114.56149	0.471833	-1
## 10538	102.43989	0.280599	1
## 9677	108.44665	0.371570	1
## 6090	83.77937	0.535885	1
## 7518	110.47603	0.549126	1
## 21558	131.49783	0.214392	-1
## 12039	95.68383	0.460888	1
## 281	110.32057	0.162030	1
## 9079	113.55922	0.384518	1
## 7946	139.07581	0.360745	-1
## 6831	117.57033	0.481665	1
## 6366	119.75410	0.895287	1
## 5554	119.54632	0.360484	-1
## 1297	78.69996	0.318067	1
## 2921	136.81621	0.251507	1
## 6355	126.56812	0.513071	1
## 13235	128.57449	0.337145	-1
## 15510	135.21634	0.325814	1
## 1916	104.37363	0.604573	-1
## 9950	141.55425	0.309193	-1
## 15706	127.55324	0.295760	-1
## 17191	119.02127	0.728971	1
## 3672	94.06188	0.486958	1
## 22064	141.01524	0.556908	1
## 13102	112.22957	0.440968	1
## 16727	66.55357	0.720355	1
## 1587	126.82330	0.615147	-1
## 60	132.82217	0.557575	1
## 12356	130.12607	0.390165	-1
## 17363	101.75092	0.497039	1
## 6763	97.78002	0.486926	-1
## 20207	138.02769	0.163050	1
## 11852	102.69923	0.467299	1
## 20710	155.21495	0.360901	-1
## 80	116.74702	0.792549	1
## 19139	118.72817	0.481259	1
## 1787	105.73708	0.861626	1
## 6823	92.20510	0.703056	-1
## 22507	109.58237	0.426913	1
## 19708	110.31417	0.510430	-1
## 22093	130.84418	0.345557	-1
## 2735	147.84036	0.263427	-1
## 14978	97.73016	0.725720	1
## 8556	122.60992	0.807931	1
## 21855	138.51204	0.847466	1
## 6983	129.90109	0.493736	1
## 19518	152.86649	0.580047	-1
## 11389	90.59355	0.632177	1
## 7066	130.97716	0.585182	1

## 18117	155.22881	0.694018	-1
## 6859	110.56012	0.518432	1
## 18878	115.45778	0.605349	1
## 22123	111.13020	0.661968	-1
## 21219	140.47987	0.563436	-1
## 10161	129.28752	0.426242	1
## 9949	143.02205	0.325011	-1
## 4785	119.01759	0.485131	1
## 17583	129.43439	0.436997	-1
## 798	111.69434	0.536920	1
## 2676	140.37276	0.822751	-1
## 18531	119.58689	0.515157	-1
## 6906	137.11616	0.784269	1
## 15496	108.31321	0.422840	1
## 13125	99.62122	0.303872	1
## 7428	135.73831	0.625892	1
## 16590	134.92104	0.552506	1
## 4321	140.67403	0.585147	1
## 1202	80.94079	0.320682	1
## 7960	151.49022	0.261341	-1
## 3878	128.51433	0.396119	1
## 19297	148.38844	0.533839	-1
## 12360	116.15972	0.504945	-1
## 16799	114.31061	0.550913	1
## 20561	103.28074	0.335166	1
## 17937	149.72572	0.680845	-1
## 16012	94.97200	0.535808	1
## 17342	93.63443	0.547942	1
## 9932	123.72150	0.376796	-1
## 20958	135.91618	0.743703	1
## 9124	99.99085	0.472188	-1
## 2418	125.80920	0.828901	1
## 6741	133.75549	0.374016	-1
## 9395	148.04724	0.330040	-1
## 6876	102.09918	0.663367	1
## 12536	109.83266	0.417719	1
## 22018	123.29929	0.504504	-1
## 20368	145.89352	0.539602	-1
## 7424	131.07576	0.450631	1
## 21940	145.54962	0.650595	-1
## 2174	108.45922	0.720808	1
## 16651	82.05329	0.823019	1
## 5041	87.13928	0.655326	1
## 12541	121.43353	0.709986	1
## 10187	89.16065	0.551827	1
## 19820	106.40392	0.343984	1
## 3078	108.22772	0.636497	1
## 13556	80.65269	0.206530	1
## 13135	119.15176	0.334250	1
## 14189	111.18716	0.505545	-1
## 7082	106.28756	0.513266	1
## 15637	131.97485	0.869496	1
## 15475	122.62929	0.698656	1
## 14540	78.12385	0.650913	1

## 8107	113.45454	0.799622	1
## 14983	114.57415	0.124717	1
## 12407	85.53284	0.726687	1
## 12994	112.01771	0.418546	1
## 15712	144.44328	0.350084	-1
## 1704	153.05476	0.841535	-1
## 10884	101.84245	0.312801	1
## 19998	127.29559	0.633563	-1
## 16543	149.70813	0.791868	1
## 14128	128.83714	0.308175	1
## 17400	95.96600	0.512966	1
## 10904	99.64331	0.400662	1
## 482	88.33028	0.330778	1
## 14433	124.83093	0.437432	-1
## 8428	113.32677	0.659015	1
## 16619	114.14946	0.558282	1
## 13425	111.04097	0.310304	1
## 133	109.94714	0.794293	1
## 17772	81.38544	0.442083	1
## 18808	145.48590	0.656087	-1
## 7808	127.45383	0.521917	1
## 18223	109.56667	0.618526	1
## 19233	146.90570	0.579588	1
## 9990	101.56687	0.226593	-1
## 1665	126.57136	0.755538	-1
## 20616	128.70261	0.501145	1
## 5870	137.77472	0.562985	-1
## 22118	117.85351	0.402063	-1
## 8716	149.65569	0.413481	1
## 14959	97.28474	0.721829	1
## 15305	111.55588	0.546958	1
## 10765	105.45550	0.274401	1
## 12314	95.58395	0.610324	1
## 16059	94.75944	0.296504	1
## 14120	131.04811	0.727817	1
## 12463	89.16874	0.532067	1
## 21177	136.36050	0.554733	-1
## 6725	149.65900	0.213745	-1
## 2474	144.27004	0.731103	-1
## 5514	135.54086	0.266682	1
## 15344	105.89134	0.418068	1
## 8959	140.89375	0.653272	-1
## 14164	117.41800	0.299175	-1
## 16601	101.10304	0.607360	1
## 10734	103.84313	0.420727	1
## 20179	136.51549	0.644756	1
## 4153	104.64637	0.518563	-1
## 17272	108.75126	0.663226	-1
## 21470	123.59680	0.222055	-1
## 15028	123.71957	0.698201	1
## 2867	126.46932	0.734769	1
## 10078	151.38574	0.720795	-1
## 8973	141.28894	0.722766	-1
## 1845	108.29184	0.291676	1

## 18506	125.83707	0.543942	-1
## 15886	122.09019	0.362424	-1
## 13923	132.56136	0.572698	1
## 12386	96.45905	0.821855	1
## 4188	152.38066	0.738568	-1
## 11568	125.95821	0.734858	1
## 13934	122.44994	0.705037	1
## 12218	130.37175	0.204866	-1
## 7024	153.67250	0.589303	-1
## 20645	135.38225	0.284122	1
## 6028	135.22385	0.852943	-1
## 13629	123.33775	0.474974	1
## 19527	131.23752	0.628656	-1
## 8714	130.99611	0.464040	1
## 18762	136.26945	0.282237	-1
## 3420	109.49787	0.790472	-1
## 18538	151.40857	0.698349	-1
## 1789	119.85435	0.764665	1
## 10733	134.52797	0.378067	1
## 12424	112.87742	0.559384	1
## 17337	130.16740	0.440054	1
## 15389	104.41946	0.316788	1
## 6219	100.41018	0.500671	1
## 13960	113.10981	0.212717	1
## 10917	125.77220	0.388646	1
## 18620	151.95567	0.703948	-1
## 11929	116.60689	0.694633	-1
## 4739	102.15649	0.711667	1
## 11187	138.97421	0.574560	-1
## 1632	110.68174	0.656662	-1
## 93	95.89084	0.612590	1
## 7712	105.03071	0.495335	1
## 829	124.71509	0.342514	1
## 7211	123.88546	0.443152	-1
## 14322	123.14762	0.520140	1
## 5679	131.27571	0.401440	-1
## 4230	91.48373	0.502240	-1
## 4813	80.96061	0.469870	1
## 1803	138.80139	0.446731	-1
## 466	106.02924	0.835778	1
## 1499	138.70329	0.733591	-1
## 4527	90.79407	0.275286	1
## 17103	153.85211	0.302289	-1
## 8125	108.60712	0.283137	1
## 7847	72.76869	0.747122	1
## 20098	143.51064	0.493225	1
## 14632	133.75592	0.323564	-1
## 11114	144.73035	0.736732	-1
## 13471	114.73766	0.351932	1
## 10084	150.05742	0.625898	-1
## 22009	124.51518	0.544664	1
## 12122	81.83046	0.096815	-1
## 254	107.95408	0.732879	1
## 7863	139.23059	0.455724	1

## 6158	79.02341	0.406992	1
## 6871	136.81700	0.607151	1
## 22116	99.50915	0.521316	-1
## 19815	130.25627	0.357423	1
## 8376	150.75413	0.502039	1
## 2168	75.61281	0.789586	1
## 13706	142.68459	0.238106	1
## 19888	122.91651	0.715398	1
## 15311	110.56581	0.813198	1
## 17142	134.13013	0.717718	-1
## 5232	124.06782	0.445143	-1
## 11479	127.45242	0.699537	1
## 17747	148.42317	0.638735	-1
## 16054	105.11519	0.298255	1
## 21407	125.14596	0.532841	1
## 1746	89.12541	0.308516	1
## 14216	105.82364	0.332894	-1
## 9600	102.72467	0.210354	-1
## 20037	73.58687	0.745376	-1
## 11557	122.77142	0.350157	1
## 17546	120.77261	0.265521	-1
## 8182	124.09045	0.356225	1
## 793	115.53692	0.353272	1
## 20293	146.70404	0.520415	1
## 11166	133.39258	0.820105	1
## 14513	115.96710	0.878649	-1
## 19513	151.43504	0.654534	-1
## 1712	155.69736	0.901482	-1
## 1654	93.56535	0.626485	-1
## 10944	141.08896	0.558912	-1
## 10709	86.47655	0.790839	1
## 21575	118.68034	0.624710	-1
## 5516	84.03644	0.279976	1
## 8776	119.12067	0.639393	1
## 3365	119.72690	0.635901	1
## 18059	142.65947	0.600963	1
## 5183	135.26399	0.490714	1
## 3464	87.83613	0.603466	1
## 21864	100.61211	0.366720	1
## 2161	87.55209	0.846537	1
## 18610	118.34463	0.372067	-1
## 7123	111.97085	0.832085	1
## 17117	138.52563	0.597695	-1
## 17014	116.83459	0.606700	1
## 13911	112.20882	0.761611	1
## 361	134.48202	0.359476	1
## 4103	86.47918	0.568880	1
## 1527	123.67287	0.826932	-1
## 15407	112.76034	0.560406	1
## 11719	112.20379	0.520361	-1
## 15818	107.03560	0.616182	1
## 9989	115.42917	0.274752	-1
## 18727	118.17266	0.243651	1
## 4937	122.63213	0.704680	1

## 12500	125.72157	0.496351	1
## 21730	104.56492	0.617210	-1
## 20851	128.20969	0.432649	1
## 940	121.38502	0.379974	1
## 17738	137.28847	0.484211	-1
## 17273	118.86960	0.495462	-1
## 6300	151.37676	0.754083	-1
## 18081	133.58365	0.456951	-1
## 14543	100.71076	0.515907	1
## 22435	149.57095	0.782345	-1
## 21856	98.98014	0.462636	1
## 5734	107.95408	0.732879	1
## 19494	102.71181	0.297503	1
## 3739	86.24553	0.756082	1
## 5188	123.27224	0.877406	1
## 8330	120.94691	0.455169	1
## 3616	127.26630	0.502919	-1
## 14194	86.75256	0.377204	-1
## 14237	116.57990	0.325796	-1
## 21586	97.40484	0.222427	1
## 21601	119.66390	0.302015	1
## 13027	127.23941	0.478447	1
## 11653	109.95731	0.381527	1
## 18413	127.81152	0.356940	1
## 8048	148.48119	0.278909	-1
## 14599	126.70102	0.371213	-1
## 5460	81.66024	0.687267	1
## 8041	132.70244	0.598151	-1
## 14193	139.09854	0.465327	-1
## 6613	112.31802	0.522421	1
## 18924	137.07593	0.673785	1
## 4616	119.55250	0.269083	1
## 1230	133.56291	0.787704	1
## 19560	97.58300	0.549961	-1
## 1247	146.30589	0.551177	-1
## 14730	154.37823	0.554017	1
## 12550	103.20852	0.758546	1
## 22537	114.60942	0.440714	1
## 15871	116.82973	0.257208	-1
## 10632	144.24429	0.260766	1
## 9328	117.67584	0.137967	1
## 10654	118.18678	0.697098	1
## 541	93.71726	0.433205	1
## 18888	101.94566	0.212153	1
## 13595	142.16383	0.682435	1
## 15434	93.76687	0.692760	1
## 20342	124.57096	0.330402	-1
## 612	145.21800	0.321136	1
## 20372	121.32685	0.304285	-1
## 7427	114.34276	0.791666	1
## 14872	104.91377	0.590557	1
## 14024	135.21448	0.409690	-1
## 14900	104.03005	0.741711	1
## 20971	140.10419	0.439521	1

## 7502	103.20380	0.261465	1
## 6735	135.90727	0.311388	-1
## 12259	135.50764	0.361262	-1
## 2746	113.19705	0.312234	1
## 3020	98.00002	0.625863	1
## 21373	127.92814	0.558233	1
## 22376	131.66562	0.781569	-1
## 10003	144.61710	0.639396	-1
## 16076	139.48314	0.671161	1
## 19588	125.45851	0.296072	-1
## 22196	140.48434	0.726347	-1
## 15154	95.56189	0.718854	1
## 17430	111.96632	0.462639	-1
## 2516	130.97021	0.431363	1
## 2845	105.17976	0.539383	1
## 1082	100.09012	0.230004	1
## 7687	141.56511	0.936633	-1
## 18518	146.90839	0.678466	-1
## 17299	126.90000	0.413830	-1
## 3494	123.34077	0.875749	1
## 20619	134.79176	0.827992	1
## 7798	111.45237	0.594156	1
## 22077	133.20897	0.551225	1
## 8179	115.78673	0.314768	1
## 17930	150.70041	0.539439	-1
## 10341	102.92127	0.424774	1
## 5326	141.60991	0.411109	-1
## 7866	136.88413	0.896284	1
## 9667	111.80157	0.760029	1
## 2551	128.41751	0.827039	-1
## 67	117.36433	0.642532	1
## 2136	127.56059	0.884055	1
## 17282	112.85608	0.313341	-1
## 21642	115.29459	0.219483	1
## 13404	145.05823	0.378245	1
## 17886	105.07658	0.852752	-1
## 10582	96.54668	0.587532	1
## 16148	135.02808	0.653707	1
## 12162	111.52776	0.178347	-1
## 8334	122.02820	0.380170	1
## 1503	141.10585	0.603361	-1
## 18484	113.72987	0.756978	-1
## 11058	118.74972	0.524268	-1
## 17741	139.62888	0.664105	-1
## 421	134.01927	0.417771	1
## 6050	148.22763	0.649593	-1
## 15768	102.66328	0.779102	1
## 22001	112.94358	0.878625	1
## 9527	131.24022	0.383883	1
## 18099	154.33560	0.793010	-1
## 21416	110.96776	0.375224	1
## 12046	98.01894	0.707180	1
## 6146	89.24823	0.746278	-1
## 1428	126.49882	0.354236	1

## 6066	149.47830	0.444160	-1
## 20462	126.37109	0.404106	-1
## 4007	148.64508	0.730231	-1
## 4095	136.64014	0.605012	1
## 18867	138.30574	0.536599	-1
## 14796	115.07205	0.747393	1
## 11296	106.64757	0.716621	1
## 8773	115.33811	0.460218	1
## 17140	121.03769	0.606475	-1
## 6014	123.92111	0.890164	1
## 11259	150.51323	0.551120	-1
## 20839	138.58812	0.521847	1
## 10442	89.81664	0.432656	1
## 10961	140.11754	0.707621	-1
## 12955	108.22895	0.456045	1
## 3911	116.80714	0.719177	1
## 19340	126.12231	0.251090	-1
## 22427	93.95727	0.368073	1
## 19556	76.47978	0.624072	-1
## 7148	145.37949	0.682847	-1
## 18778	86.74257	0.556205	-1
## 7693	129.83847	0.637643	-1
## 21661	119.40360	0.257921	1
## 266	127.08788	0.136333	1
## 17703	112.54225	0.369211	1
## 587	74.52920	0.493729	1
## 15246	87.09927	0.125268	1
## 7118	99.55496	0.680099	1
## 4342	140.18724	0.524580	-1
## 19750	105.18089	0.411468	-1
## 2223	82.23309	0.489044	-1
## 6400	141.85197	0.457903	1
## 13981	145.95894	0.616428	-1
## 10770	104.44300	0.559102	1
## 20457	102.71677	0.254467	-1
## 10258	121.48814	0.921877	1
## 17471	105.87635	0.371998	1
## 4774	107.79171	0.269302	1
## 10721	99.30460	0.433475	1
## 15438	105.32533	0.647121	1
## 14927	120.55660	0.841133	1
## 1868	133.94748	0.397424	1
## 18573	150.06499	0.729022	-1
## 2222	108.38755	0.533841	-1
## 15889	123.74803	0.462424	-1
## 12168	122.15103	0.085131	-1
## 16557	94.51898	0.493935	1
## 14398	129.97618	0.251081	1
## 21927	147.54759	0.712404	-1
## 17628	140.15884	0.819169	1
## 13868	139.54417	0.837361	1
## 15561	107.91099	0.371174	1
## 14852	115.18171	0.599028	1
## 4936	86.83570	0.293107	1

## 210	91.94413	0.365488	1
## 18615	139.99666	0.738751	-1
## 19042	152.06055	0.498822	1
## 12476	109.47005	0.801453	1
## 2651	129.41205	0.741450	-1
## 3709	119.89102	0.922725	-1
## 17639	139.59569	0.732895	1
## 20695	134.05980	0.731398	-1
## 17405	121.50074	0.784417	-1
## 2242	124.98483	0.400656	1
## 21917	136.95602	0.715254	-1
## 13941	127.22968	0.250281	1
## 13105	106.12185	0.750502	1
## 4358	143.33635	0.537042	-1
## 6879	110.08556	0.492445	1
## 3656	105.71085	0.642832	1
## 1217	111.23795	0.305709	1
## 8508	77.79934	0.472168	1
## 14265	129.77281	0.602565	-1
## 8572	88.78723	0.331192	1
## 14306	111.02998	0.407872	1
## 16623	99.03007	0.645691	1
## 4538	96.68810	0.817755	1
## 8512	101.51653	0.566113	1
## 4552	93.28138	0.744143	1
## 9360	102.86302	0.168941	1
## 7922	150.30177	0.542925	-1
## 15465	121.94151	0.635594	1
## 12262	129.39035	0.844716	-1
## 19826	117.67525	0.295929	1
## 19362	131.06065	0.541967	-1
## 15070	93.18803	0.426247	1
## 22095	136.37996	0.533053	-1
## 20509	139.34080	0.628743	-1
## 13736	150.40273	0.825493	1
## 20653	126.85567	0.422856	1
## 22156	110.79211	0.619411	-1
## 9405	113.15607	0.340086	-1
## 3980	127.00269	0.433546	-1
## 12812	123.87703	0.564512	1
## 15227	113.50983	0.400785	1
## 11443	143.59816	0.151469	1
## 21090	100.25266	0.260102	1
## 7692	158.34120	0.657888	-1
## 16819	94.89518	0.499925	1
## 13559	135.43321	0.235005	1
## 4730	97.06462	0.272385	1
## 3715	147.98439	0.949559	-1
## 426	140.16156	0.437136	1
## 21995	99.54224	0.414406	1
## 10181	90.96446	0.299825	1
## 16912	91.39874	0.651699	1
## 14160	112.07321	0.387255	-1
## 21017	160.38380	0.593361	-1

## 12058	139.47527	0.383516	1
## 10731	99.73426	0.430547	1
## 18903	100.50635	0.248733	1
## 10899	105.51471	0.463351	1
## 14797	125.96251	0.626205	1
## 21186	135.93317	0.645049	-1
## 12710	113.40738	0.528105	1
## 9577	88.60256	0.286611	-1
## 11376	98.52455	0.697308	1
## 18121	157.08760	0.784294	-1
## 12355	142.97850	0.386572	-1
## 19040	119.24573	0.652277	1
## 15558	117.52422	0.864432	1
## 10923	129.37041	0.265056	1
## 21313	120.47347	0.734072	-1
## 11714	137.86762	0.268274	-1
## 19696	138.65245	0.335358	-1
## 6684	124.01442	0.652160	-1
## 8213	117.69194	0.462373	1
## 17420	134.64305	0.460450	-1
## 13255	140.10692	0.290616	-1
## 5335	117.70936	0.524379	-1
## 1444	142.96596	0.353514	1
## 3448	107.92984	0.335153	-1
## 3919	88.67408	0.679237	1
## 8964	111.69467	0.385106	-1
## 5856	151.41957	0.726360	-1
## 4623	113.90113	0.813429	1
## 19800	144.04652	0.487453	1
## 1791	87.65552	0.529501	1
## 18252	137.35297	0.801355	1
## 3936	115.41679	0.579652	1
## 10786	85.70169	0.386039	1
## 4790	128.91228	0.825858	1
## 4187	145.22459	0.935877	-1
## 5109	123.92347	0.286311	1
## 19859	137.03017	0.246728	-1
## 4199	145.66350	0.717463	-1
## 8163	118.78103	0.796990	1
## 16597	113.63469	0.374719	1
## 21145	141.32855	0.784067	1
## 18419	146.35097	0.728088	-1
## 18180	123.02628	0.669643	1
## 11216	120.40093	0.342826	-1
## 16756	122.48328	0.280145	1
## 14394	154.32539	0.553917	1
## 2521	95.90633	0.559675	1
## 22326	121.58338	0.398889	1
## 14672	128.53143	0.818754	1
## 3072	125.54727	0.836591	1
## 8479	121.89235	0.740138	-1
## 22177	120.53612	0.428422	1
## 12721	99.25887	0.720268	1
## 13566	113.40949	0.230956	1

## 14787	115.79042	0.598726	1
## 20476	126.95878	0.293840	-1
## 4318	117.32703	0.776414	1
## 20192	137.01117	0.553126	1
## 14443	141.43637	0.691432	-1
## 21950	151.63864	0.621345	-1
## 7634	128.55193	0.747373	1
## 14098	125.01163	0.556459	-1
## 1382	115.27318	0.805816	1
## 13134	130.26184	0.102734	1
## 9416	129.30412	0.245555	-1
## 3069	86.61673	0.387212	1
## 11196	132.32347	0.557250	-1
## 15869	92.26701	0.410533	-1
## 3525	103.76511	0.484934	1
## 3170	87.11034	0.850485	1
## 8952	99.62022	0.476163	-1
## 16706	99.99461	0.528141	1
## 9759	149.67925	0.566951	-1
## 15273	117.65142	0.865667	1
## 10164	101.87869	0.521434	1
## 15803	110.10223	0.575919	1
## 4143	109.89014	0.311448	1
## 9543	113.66976	0.242247	-1
## 9840	99.56158	0.640742	1
## 15696	121.19173	0.456928	-1
## 1522	123.40356	0.836857	-1
## 12251	106.33350	0.328338	-1
## 8802	139.98987	0.454824	1
## 22251	126.29632	0.907036	1
## 5984	136.92235	0.381537	1
## 17241	128.18274	0.672844	-1
## 13352	135.70844	0.246161	1
## 6232	116.88243	0.687856	1
## 12943	69.07307	0.419841	1
## 19259	134.60425	0.418043	-1
## 3664	100.78111	0.539705	1
## 7602	130.94424	0.492030	1
## 4098	101.24985	0.291002	1
## 11342	93.09320	0.623238	1
## 6258	85.56244	0.340693	1
## 17120	137.96223	0.564625	-1
## 4516	102.86968	0.405196	1
## 9753	161.65652	0.726914	-1
## 13260	138.88109	0.461652	-1
## 9321	131.06499	0.219344	1
## 2988	123.31258	0.588493	-1
## 1736	119.16439	0.698655	1
## 3268	131.24219	0.865785	-1
## 5352	116.10393	0.306732	-1
## 12706	107.05521	0.597501	1
## 18047	117.54455	0.662483	1
## 6117	105.40015	0.491242	1
## 14290	119.44080	0.725013	-1

## 10564	101.85385	0.281646	1
## 5544	108.54859	0.277834	-1
## 11022	105.55602	0.493857	-1
## 17406	134.80989	0.769382	-1
## 7614	102.82294	0.519007	1
## 12238	104.56269	0.327822	-1
## 8554	151.91569	0.330005	1
## 9312	132.65198	0.377515	1
## 4244	140.05617	0.715150	1
## 4033	105.45815	0.702887	-1
## 10355	127.54514	0.752062	1
## 20326	134.07251	0.641190	1
## 15540	107.44627	0.529859	1
## 6081	125.27013	0.443277	-1
## 7776	108.98560	0.453712	1
## 19835	110.94643	0.210411	1
## 6230	125.40926	0.516119	1
## 18505	142.63744	0.615214	-1
## 20169	145.34770	0.540714	1
## 10895	99.27221	0.583793	1
## 954	110.41539	0.493489	1
## 13090	156.08510	0.671056	-1
## 18145	73.46428	0.551874	1
## 9012	91.31001	0.395980	1
## 8462	140.27759	0.488867	-1
## 11686	140.92502	0.450004	1
## 3955	128.29184	0.464997	1
## 15283	114.19765	0.863274	1
## 2658	118.18467	0.795111	-1
## 21688	125.36255	0.161677	1
## 13578	97.19119	0.758101	1
## 5258	109.54298	0.815717	1
## 15455	125.33138	0.412522	1
## 7842	106.74940	0.445478	1
## 9414	151.29146	0.269726	-1
## 12993	97.47133	0.407380	1
## 21043	93.58716	0.135072	1
## 12689	127.97492	0.769235	1
## 6075	144.77097	0.711458	-1
## 8273	96.55332	0.566063	1
## 3320	91.85655	0.794232	1
## 19002	126.17680	0.697908	1
## 16553	98.82838	0.463675	1
## 10031	139.95428	0.697746	-1
## 19705	114.55853	0.384863	-1
## 6787	119.83280	0.579296	1
## 20479	137.24940	0.586902	-1
## 15698	126.74648	0.309267	-1
## 3005	81.88533	0.411214	1
## 10101	124.94120	0.239183	1
## 12051	117.34068	0.461910	1
## 3912	80.53779	0.659975	1
## 13720	120.46611	0.144292	1
## 14952	138.98888	0.866673	1

## 2078	72.22355	0.532996	1
## 7476	125.78585	0.208028	1
## 8829	109.63944	0.557653	1
## 22489	94.27261	0.412838	1
## 6681	141.45224	0.554483	-1
## 3214	139.83688	0.449069	-1
## 4367	112.40299	0.396392	-1
## 18681	120.62336	0.118798	1
## 18473	145.33337	0.699407	-1
## 12432	109.40623	0.719046	1
## 18492	121.24807	0.475516	-1
## 6767	116.33833	0.486280	-1
## 15806	109.64390	0.564754	1
## 5127	115.28806	0.420635	-1
## 17088	117.50066	0.767481	-1
## 21973	118.62460	0.557439	1
## 3995	99.06953	0.905719	-1
## 22388	116.84695	0.315884	-1
## 2495	96.72515	0.311412	1
## 7648	120.82467	0.447975	1
## 16488	90.55502	0.600389	1
## 7522	109.57426	0.630577	1
## 12649	116.47750	0.742783	1
## 4059	93.20406	0.626309	1
## 13920	134.34157	0.690524	1
## 9314	119.81001	0.220140	1
## 921	118.99621	0.392289	1
## 6957	119.17392	0.424050	1
## 15733	126.16911	0.454481	-1
## 7875	128.26875	0.491386	1
## 17836	91.87090	0.319000	1
## 21649	135.58763	0.208977	1
## 8382	112.82645	0.466558	1
## 8899	127.86596	0.589249	-1
## 9298	141.06432	0.740248	1
## 18938	104.67947	0.196489	1
## 15358	135.10553	0.856909	1
## 4252	116.97932	0.583021	1
## 4172	144.45862	0.762339	-1
## 13010	126.46219	0.455747	1
## 17890	112.48291	0.814328	-1
## 3669	95.62237	0.409790	1
## 5199	113.52776	0.524160	1
## 10306	114.27878	0.589252	1
## 14017	116.75724	0.502908	-1
## 404	108.08479	0.832389	1
## 17520	114.50975	0.528518	1
## 18219	110.87784	0.506659	1
## 10531	122.24577	0.891220	1
## 11280	134.57443	0.463002	-1
## 7624	112.98363	0.608813	1
## 18005	128.79689	0.371388	1
## 14723	110.53711	0.748477	1
## 5725	124.22384	0.447491	1

## 8736	141.17529	0.539745	1
## 19532	125.81895	0.582128	-1
## 6409	143.22571	0.342084	1
## 18277	149.72967	0.720120	-1
## 1820	132.38069	0.785544	-1
## 21926	150.29042	0.708758	-1
## 12670	85.61643	0.808518	1
## 17841	155.73740	0.763853	1
## 4675	114.12350	0.297909	1
## 11438	123.49377	0.348808	1
## 20425	100.26859	0.494468	-1
## 154	127.67581	0.275247	1
## 21772	155.06357	0.694324	-1
## 578	145.91344	0.780317	1
## 8452	116.22581	0.541758	1
## 16682	111.05355	0.377490	1
## 15157	117.07349	0.581876	1
## 18638	147.93938	0.748313	-1
## 11695	148.24481	0.442298	1
## 10748	108.62363	0.910962	1
## 15202	84.95251	0.578941	1
## 19653	91.25485	0.146375	-1
## 21160	116.05499	0.391217	-1
## 13763	126.38113	0.764694	1
## 6190	109.46412	0.459649	1
## 11250	146.78816	0.553481	-1
## 17998	133.09860	0.392455	1
## 18319	113.05764	0.423200	1
## 6347	107.86589	0.625830	1
## 11898	117.43604	0.725835	1
## 20727	125.95918	0.208016	-1
## 12422	133.67058	0.317699	1
## 10569	123.17417	0.690865	1
## 13908	124.03584	0.575632	1
## 10422	136.20642	0.366056	1
## 17429	123.64625	0.451905	-1
## 20022	112.05071	0.361641	-1
## 14601	128.72275	0.569174	-1
## 9898	130.00006	0.775987	1
## 1013	128.14310	0.670734	-1
## 12023	63.35444	0.598884	1
## 5297	98.18927	0.780298	1
## 17719	116.32124	0.436684	1
## 5927	80.19295	0.664326	1
## 11288	133.88351	0.657212	1
## 19946	135.70819	0.192373	1
## 11405	109.61188	0.622483	1
## 20583	128.21216	0.189229	1
## 21489	126.91036	0.534659	-1
## 4240	82.52229	0.299654	1
## 1351	181.23155	0.992976	1
## 19365	126.12402	0.297997	-1
## 10713	98.30596	0.628935	1
## 15261	125.16612	0.590681	1

## 12207	120.45303	0.906318	-1
## 10767	103.94852	0.451726	1
## 19937	140.20871	0.765389	1
## 20819	97.65997	0.510391	1
## 14600	117.27418	0.560461	-1
## 22482	112.29894	0.453558	1
## 16965	112.12437	0.451816	1
## 17881	137.45766	0.698256	1
## 16138	114.43971	0.363717	1
## 7583	116.80680	0.528931	-1
## 2729	112.74448	0.650829	-1
## 22442	153.14418	0.478103	-1
## 3745	111.27608	0.689870	1
## 9415	139.53996	0.469677	-1
## 8260	158.26967	0.655668	-1
## 19137	117.26352	0.615642	1
## 11190	125.86354	0.510441	-1
## 12421	107.23673	0.361783	1
## 19032	120.41681	0.620885	1
## 17596	84.90748	0.345453	-1
## 10988	133.85512	0.483578	-1
## 9774	109.17513	0.182323	-1
## 14622	105.80904	0.413383	-1
## 5665	121.75316	0.345333	-1
## 948	118.40753	0.321433	1
## 12731	92.76086	0.292986	1
## 14378	131.80133	0.193522	1
## 15701	121.93174	0.334812	-1
## 9308	104.42464	0.714069	1
## 9959	127.60290	0.499240	-1
## 9028	130.70511	0.518670	1
## 7061	138.03992	0.484476	1
## 19952	101.13808	0.214929	1
## 20328	141.81894	0.352756	1
## 13413	98.22568	0.382424	1
## 21149	105.30217	0.715939	1
## 1330	134.16951	0.890728	1
## 6361	110.49850	0.364536	1
## 6511	147.09692	0.779375	-1
## 6358	63.62312	0.594294	1
## 22212	140.09080	0.442839	-1
## 22115	115.55627	0.412970	-1
## 13630	116.02620	0.352603	1
## 14697	123.46291	0.913670	1
## 12209	103.89213	0.586115	-1
## 20441	139.29160	0.171546	-1
## 21720	110.65731	0.507263	-1
## 11639	136.28705	0.713724	1
## 12152	96.18390	0.103818	-1
## 17725	113.43650	0.721649	1
## 6432	105.70227	0.387120	1
## 8860	128.02084	0.518668	1
## 6077	148.75705	0.673993	-1
## 15053	105.17097	0.335554	1

## 11175	127.34421	0.813365	1
## 153	140.22336	0.316012	1
## 4895	126.47250	0.720161	1
## 18317	103.84722	0.698005	1
## 5	95.03695	0.314103	1
## 20474	149.86237	0.562934	-1
## 10401	88.64642	0.749099	1
## 15518	112.78027	0.835154	1
## 6482	122.76478	0.288658	-1
## 21385	135.00423	0.343090	1
## 3611	101.97542	0.734007	-1
## 15287	111.12015	0.366424	1
## 15195	116.15577	0.838089	1
## 6168	113.88072	0.512466	1
## 13350	110.96018	0.310006	1
## 15406	96.93964	0.859887	1
## 3702	98.06480	0.856202	-1
## 21520	128.80388	0.530120	-1
## 5367	123.63588	0.292070	-1
## 4849	97.97094	0.441097	1
## 15714	120.64185	0.230199	-1
## 11900	123.13857	0.562420	1
## 17818	67.93002	0.377440	1
## 19972	101.20154	0.469111	1
## 5789	145.13989	0.778297	1
## 15927	121.88671	0.493508	-1
## 9912	149.05594	0.839703	1
## 2208	140.29343	0.734716	-1
## 7410	106.49049	0.328132	1
## 19900	92.58430	0.225229	1
## 6084	158.00093	0.799534	-1
## 127	104.65601	0.836681	1
## 997	156.79892	0.728491	-1
## 9157	109.31029	0.603522	-1
## 22182	179.26309	0.848199	1
## 7561	138.36789	0.393004	-1
## 832	103.49685	0.864875	1
## 19307	141.28416	0.368553	-1
## 9566	105.65758	0.482949	-1
## 15723	122.32409	0.394843	-1
## 9893	162.00375	0.464029	1
## 502	104.96558	0.374427	1
## 12297	106.84467	0.859736	1
## 12121	95.69052	0.122383	-1
## 990	126.65691	0.800333	-1
## 8673	105.79492	0.453915	1
## 7023	157.05499	0.648692	-1
## 9280	109.89197	0.745517	1
## 20477	133.12427	0.339699	-1
## 7601	136.85306	0.618762	1
## 7161	139.16681	0.611579	-1
## 12667	122.11763	0.810548	1
## 15933	96.94299	0.527403	-1
## 12341	147.22124	0.699100	-1

## 13693	128.46747	0.438267	1
## 13476	119.35088	0.351349	1
## 6253	96.08678	0.303679	1
## 7042	141.84689	0.616403	-1
## 5982	96.07379	0.297449	1
## 1968	75.83057	0.727521	-1
## 787	122.91109	0.344730	1
## 19488	106.54036	0.407919	1
## 19451	107.61108	0.552664	1
## 21016	158.86765	0.794425	-1
## 15598	80.06959	0.243895	1
## 22305	127.81953	0.589977	1
## 21454	128.94060	0.584847	-1
## 14918	109.97427	0.610253	1
## 17642	96.43858	0.693841	1
## 13967	137.37109	0.564669	1
## 12896	109.50527	0.347065	1
## 19766	107.42986	0.305410	1
## 7264	107.98312	0.734059	1
## 16071	106.65721	0.669452	1
## 2212	125.98642	0.885458	-1
## 12859	112.65876	0.271955	1
## 20546	121.96449	0.545089	-1
## 7041	147.95171	0.667508	-1
## 11051	135.84627	0.753136	-1
## 19481	123.28225	0.315356	1
## 5334	120.98498	0.606544	-1
## 9626	121.41161	0.344527	-1
## 21925	158.14800	0.666516	-1
## 3026	110.81349	0.588562	1
## 13129	108.02924	0.234158	1
## 19949	111.66984	0.243010	1
## 2870	141.39986	0.438649	1
## 14047	123.26420	0.808215	-1
## 358	89.74514	0.292501	1
## 8766	87.38430	0.311019	1
## 1612	132.78632	0.617778	-1
## 10935	99.40958	0.582671	1
## 19824	157.04935	0.212790	1
## 959	83.36571	0.334943	1
## 174	109.86395	0.726702	1
## 21068	139.88139	0.365638	1
## 18669	96.09521	0.313633	1
## 7490	121.03185	0.746929	1
## 20044	87.36541	0.483223	-1
## 12768	78.17344	0.473688	1
## 7166	129.53874	0.756802	-1
## 6199	61.20042	0.559153	1
## 8893	129.77876	0.373767	-1
## 5186	110.34499	0.261786	1
## 2757	138.75110	0.310379	1
## 21739	113.75895	0.576833	-1
## 3975	137.37595	0.615917	-1
## 16910	84.27634	0.707519	1

## 19144	111.25486	0.495510	1
## 17072	138.26302	0.346322	-1
## 15315	95.62607	0.643687	1
## 15520	110.07987	0.455378	1
## 6590	128.43484	0.694937	1
## 2816	98.16323	0.609141	-1
## 2923	143.47914	0.751977	1
## 6528	129.67439	0.733305	1
## 20148	131.56924	0.801013	1
## 8325	106.78294	0.514094	1
## 20261	115.28067	0.601471	1
## 17197	93.47523	0.517888	1
## 12	97.25635	0.345087	1
## 14141	112.56348	0.163876	1
## 5129	146.89822	0.254690	-1
## 6912	106.73175	0.384510	1
## 19561	133.80278	0.205210	-1
## 20122	125.31175	0.216288	1
## 20965	148.12068	0.493061	1
## 11820	123.36730	0.491201	1
## 22193	124.71032	0.305793	-1
## 4553	95.37633	0.826863	1
## 18387	92.70877	0.700306	1
## 11183	154.50926	0.581261	-1
## 1380	89.00877	0.493784	1
## 3836	118.54054	0.768959	-1
## 11892	110.98616	0.483599	1
## 4154	134.49687	0.441155	-1
## 5542	126.39015	0.596351	-1
## 13412	157.98613	0.221094	1
## 4229	93.83407	0.796121	-1
## 12519	87.64571	0.809983	1
## 20594	104.86348	0.348358	1
## 21840	99.35085	0.496015	1
## 12687	123.30241	0.288363	1
## 11232	149.80122	0.724578	-1
## 16345	83.50742	0.405077	1
## 16903	82.87637	0.808967	1
## 19321	119.84185	0.282801	-1
## 20282	135.25311	0.588089	1
## 17637	132.93742	0.771967	1
## 16177	113.63930	0.706005	1
## 15498	101.71186	0.125355	1
## 8505	101.27341	0.538395	1
## 8696	102.21750	0.469711	1
## 9725	124.72666	0.514057	1
## 9248	106.60529	0.208694	-1
## 12056	97.77661	0.232196	1
## 7918	109.09981	0.282257	-1
## 21332	116.24472	0.205008	1
## 17139	130.85002	0.532587	-1
## 1830	87.13053	0.492773	1
## 3168	86.31412	0.865869	1
## 7992	151.47247	0.455170	-1

## 18015	97.60596	0.421923	1
## 14267	91.86996	0.453785	-1
## 5288	84.29363	0.624734	1
## 20565	97.21201	0.446318	1
## 4915	107.60764	0.621800	1
## 10594	93.54769	0.669045	1
## 17532	125.80965	0.256430	-1
## 10314	119.33772	0.763198	1
## 2245	89.97146	0.471604	1
## 9138	123.15676	0.549360	-1
## 3035	131.71443	0.501171	1
## 1886	116.79880	0.937549	-1
## 20942	100.46670	0.115861	1
## 5162	138.50339	0.616643	1
## 20941	103.41557	0.135643	1
## 1841	117.30240	0.889380	1
## 18085	103.45468	0.250900	-1
## 11879	122.51144	0.509600	1
## 21687	117.29520	0.198664	1
## 16797	110.31262	0.321757	1
## 4567	133.01375	0.308459	1
## 19364	120.22430	0.570768	-1
## 8289	124.97340	0.597136	1
## 2877	129.20732	0.677845	1
## 14701	112.81071	0.859512	1
## 5695	147.09836	0.692624	-1
## 7670	98.43159	0.253118	1
## 20861	144.24089	0.385857	1
## 18840	140.19113	0.668645	-1
## 11394	116.30367	0.618852	1
## 20860	130.30177	0.914654	1
## 6475	117.43314	0.788540	-1
## 816	139.62935	0.719569	-1
## 3760	93.50777	0.800922	1
## 12736	97.20911	0.297577	1
## 9962	131.62791	0.566645	-1
## 1331	112.78934	0.684079	1
## 19202	125.72066	0.763499	1
## 9534	127.09396	0.386683	1
## 17523	98.51838	0.744361	1
## 14932	151.64142	0.515231	1
## 12069	102.97605	0.836870	1
## 5253	99.58276	0.487160	1
## 13512	122.47930	0.539720	-1
## 15901	129.98843	0.419873	-1
## 22291	116.70242	0.577045	1
## 13329	152.09076	0.666904	-1
## 21532	129.95805	0.515310	-1
## 1000	149.12854	0.848266	-1
## 6340	95.97322	0.505384	1
## 7214	138.38364	0.444884	-1
## 20599	112.66481	0.751419	1
## 10068	122.15224	0.311370	-1
## 13371	97.77041	0.250807	1

## 22288	63.10602	0.797855	1
## 18242	135.50394	0.463280	1
## 22487	108.04459	0.547183	1
## 11978	125.06145	0.516970	1
## 85	114.35708	0.510332	1
## 16547	93.40307	0.686394	1
## 5757	125.96709	0.109511	1
## 14812	126.34597	0.656888	1
## 15802	108.77044	0.597634	1
## 4872	140.90007	0.779182	1
## 5479	100.78188	0.649379	1
## 20031	148.97194	0.587201	-1
## 992	136.54913	0.345380	-1
## 5273	106.72943	0.502259	1
## 65	131.45848	0.599375	1
## 21837	120.38432	0.554174	1
## 5955	106.18835	0.702598	1
## 1539	130.73080	0.851518	-1
## 10362	149.02065	0.168643	1
## 15320	91.86380	0.444694	1
## 20304	133.50633	0.728408	1
## 253	97.98933	0.689345	1
## 6481	112.98433	0.341507	-1
## 20959	130.10257	0.519065	1
## 2966	131.04585	0.525828	1
## 20362	146.00899	0.748444	-1
## 1647	116.01358	0.666641	-1
## 4985	98.19892	0.531446	1
## 21351	112.27610	0.586248	1
## 4737	90.69546	0.805448	1
## 15453	116.75215	0.563059	1
## 11586	138.37080	0.602543	1
## 4504	132.71510	0.495837	1
## 3374	129.94894	0.581028	1
## 21311	114.98856	0.178234	-1
## 15609	98.98271	0.171454	1
## 15214	123.53312	0.585332	1
## 5052	95.15757	0.268642	1
## 9605	110.16314	0.209902	-1
## 9552	117.59337	0.244733	-1
## 1945	124.05881	0.523963	-1
## 9852	87.25922	0.375856	1
## 15497	93.88978	0.528478	1
## 18764	127.58717	0.372704	-1
## 14624	113.63395	0.281882	-1
## 593	87.28212	0.383385	1
## 3154	103.82498	0.717334	1
## 6904	126.66009	0.191951	1
## 3592	114.09753	0.719523	-1
## 2497	127.03725	0.489198	1
## 21369	152.81337	0.431570	1
## 21490	124.95837	0.521754	-1
## 3666	98.27531	0.492776	1
## 21972	117.52405	0.368372	1

## 8083	151.29121	0.837696	-1
## 21691	132.92377	0.550863	1
## 9421	90.40525	0.224271	-1
## 11887	139.89105	0.677455	1
## 12489	112.47222	0.807482	1
## 3886	110.72232	0.580921	1
## 18336	92.64874	0.448447	1
## 3188	110.85024	0.419010	1
## 19990	140.15031	0.703684	-1
## 20407	120.08900	0.447449	-1
## 15063	122.86063	0.679539	1
## 12234	117.81491	0.513130	-1
## 15825	104.29418	0.612478	1
## 17775	118.80669	0.325044	1
## 7336	93.86385	0.559316	1
## 18831	130.81325	0.413894	-1
## 2858	116.35044	0.690775	1
## 17271	128.53604	0.503022	-1
## 9640	120.94134	0.244635	1
## 12990	88.49309	0.326950	1
## 8647	148.16650	0.686479	-1
## 6352	125.55361	0.612989	1
## 8781	101.99992	0.545688	1
## 8837	92.80060	0.789577	1
## 8044	127.22484	0.250975	-1
## 12403	87.76141	0.384892	1
## 1551	120.01781	0.558782	-1
## 6314	129.39496	0.541042	-1
## 11312	128.51912	0.102360	1
## 5054	98.23898	0.278566	1
## 1613	124.19041	0.667965	-1
## 16777	111.27419	0.633084	1
## 20809	135.46674	0.242757	1
## 15140	111.72832	0.443482	1
## 5637	150.44310	0.729784	-1
## 8798	134.39944	0.603373	1
## 9522	104.67245	0.268296	1
## 11758	145.39497	0.504147	-1
## 22236	98.13145	0.683921	-1
## 21561	123.36462	0.220504	-1
## 11178	114.35176	0.603252	1
## 21218	148.05766	0.464796	-1
## 5596	113.80254	0.238627	-1
## 1153	113.71154	0.593384	-1
## 5561	148.10602	0.815056	-1
## 11225	111.95441	0.535746	-1
## 11696	157.20555	0.348456	1
## 16883	110.52702	0.311326	1
## 4767	135.65140	0.308812	1
## 11841	124.00286	0.663097	1
## 977	69.35117	0.428337	1
## 22481	94.99285	0.408077	1
## 1140	132.64790	0.620216	-1
## 199	83.82008	0.827720	1

## 18247	126.85158	0.829955	1
## 7097	112.32207	0.660050	1
## 12548	126.11857	0.600067	1
## 16420	139.83366	0.770227	1
## 11379	109.80013	0.471875	1
## 15847	114.48256	0.340895	-1
## 13994	123.95180	0.422671	-1
## 12665	120.07783	0.788240	1
## 26	144.57864	0.737363	1
## 3492	114.79317	0.602739	1
## 6309	155.70567	0.769245	-1
## 7084	90.39601	0.350430	1
## 19479	123.32523	0.414242	1
## 10100	122.28216	0.206708	1
## 712	144.60146	0.757053	-1
## 16461	103.11727	0.669965	1
## 6568	124.00645	0.478223	1
## 21833	88.16880	0.329109	1
## 5033	89.39475	0.270593	1
## 3849	139.11688	0.595556	-1
## 14608	106.55174	0.283528	-1
## 9952	120.48698	0.731416	-1
## 17225	129.73630	0.182240	-1
## 8768	101.50143	0.363844	1
## 72	119.09174	0.531457	1
## 18440	133.15160	0.745757	-1
## 16870	101.36549	0.623843	1
## 9618	114.83705	0.333625	-1
## 9842	118.55029	0.755729	1
## 1259	145.78885	0.823177	-1
## 3158	119.56535	0.823595	1
## 21650	145.55205	0.347607	1
## 1578	148.15872	0.756994	-1
## 363	126.98280	0.375796	1
## 18817	140.35364	0.651797	-1
## 15749	128.62558	0.837532	-1
## 3605	101.89098	0.331853	-1
## 11186	142.36264	0.659133	-1
## 6220	100.75583	0.417955	1
## 11649	116.38098	0.485740	1
## 19819	92.11413	0.249745	1
## 22448	118.63338	0.281429	-1
## 9249	117.46313	0.863682	-1
## 21971	135.57149	0.334152	1
## 5254	133.42053	0.521627	1
## 13230	126.64771	0.401446	-1
## 4339	139.04576	0.776258	-1
## 11486	135.57320	0.881982	1
## 14168	129.62183	0.316501	-1
## 6541	100.59779	0.759179	1
## 19611	107.82105	0.163182	-1
## 18017	130.71799	0.717492	1
## 10142	150.65138	0.806848	1
## 11110	143.29387	0.753374	-1

## 17600	136.21634	0.454126	-1
## 5860	150.88992	0.774267	-1
## 12845	105.47607	0.543521	1
## 10185	95.54136	0.403298	1
## 11448	128.15506	0.586874	1
## 4026	123.46053	0.430204	-1
## 11810	85.21052	0.383337	1
## 757	100.40604	0.419094	1
## 16348	132.35402	0.662929	1
## 20538	145.14716	0.523486	-1
## 11404	98.60510	0.583772	1
## 18509	152.19388	0.652344	-1
## 295	134.64792	0.506974	1
## 4933	103.76787	0.572185	1
## 8588	142.40613	0.413379	1
## 3278	142.36911	0.691654	-1
## 3705	100.93479	0.933286	-1
## 19049	118.42351	0.786441	1
## 13819	119.29936	0.512407	1
## 9316	138.76660	0.233152	1
## 7065	98.70055	0.533369	1
## 3141	143.07724	0.301789	1
## 15189	116.37525	0.788311	1
## 21594	124.22253	0.263773	1
## 20982	125.74774	0.355990	1
## 12202	126.07783	0.192163	-1
## 18868	149.16373	0.685531	-1
## 20952	104.91960	0.546727	1
## 15962	92.47234	0.720979	1
## 3427	115.71305	0.805937	-1
## 9881	143.94867	0.189969	1
## 261	123.79660	0.694452	1
## 11888	108.94852	0.715562	1
## 120	98.18927	0.780298	1
## 21992	87.73926	0.357733	1
## 1659	106.99056	0.808236	-1
## 8632	81.71287	0.471514	-1
## 1604	124.83780	0.735958	-1
## 8162	126.20936	0.584241	1
## 16336	132.34807	0.877162	1
## 18546	150.90308	0.717150	-1
## 18167	99.81618	0.371262	1
## 10018	136.76773	0.730263	-1
## 15304	125.29642	0.425323	1
## 6176	108.93848	0.422955	1
## 6683	138.89781	0.737794	-1
## 16421	115.02173	0.853082	1
## 4173	127.30388	0.459029	-1
## 18165	103.91930	0.286450	1
## 10276	95.69833	0.486669	1
## 7278	126.08083	0.287750	1
## 19672	99.53751	0.090000	-1
## 7586	132.14110	0.431774	-1
## 15568	104.47590	0.470120	1

## 6870	102.38111	0.794055	1
## 17630	113.91640	0.701862	1
## 4589	85.16112	0.687929	1
## 10387	76.17007	0.454666	1
## 8183	138.73895	0.716603	1
## 12486	118.57523	0.456739	1
## 1505	123.97477	0.713408	-1
## 20756	159.34573	0.549064	-1
## 14484	159.56758	0.569840	-1
## 3	92.69461	0.591414	1
## 617	95.66323	0.687726	1
## 17220	146.18668	0.757086	-1
## 18896	115.47066	0.119552	1
## 19753	117.20773	0.603028	-1
## 10436	113.69051	0.733394	1
## 5272	106.88685	0.621615	1
## 15244	106.50253	0.734165	1
## 4829	111.63037	0.780682	1
## 21786	114.38818	0.494239	-1
## 5015	92.80975	0.612904	1
## 11675	136.92172	0.580818	1
## 15385	98.55595	0.648751	1
## 14652	112.97882	0.213664	-1
## 19496	136.73430	0.567073	1
## 19646	129.63480	0.163472	-1
## 20392	133.37334	0.307282	-1
## 21212	143.98756	0.668776	-1
## 6750	145.55009	0.398961	-1
## 16339	128.94278	0.720607	1
## 2074	107.34154	0.652773	1
## 17269	126.33006	0.686341	-1
## 3575	143.85736	0.890522	-1
## 12454	93.87094	0.429177	1
## 16424	99.57854	0.666674	1
## 4852	90.70673	0.303533	1
## 5278	118.18892	0.441997	1
## 1142	135.23518	0.745268	-1
## 12038	94.78275	0.511119	1
## 7562	133.21107	0.380264	-1
## 20567	82.72069	0.708817	1
## 4478	135.04880	0.800464	1
## 8497	133.09216	0.648430	1
## 15429	75.57585	0.319193	1
## 1424	116.54871	0.345948	-1
## 14798	89.64741	0.567145	1
## 7505	127.86028	0.698733	1
## 20536	144.59491	0.740509	-1
## 20010	131.07899	0.248347	-1
## 9072	112.78882	0.195817	1
## 6881	97.74305	0.411525	1
## 20640	152.32210	0.222892	1
## 9387	104.93425	0.268789	-1
## 8279	114.26797	0.550906	1
## 12577	90.73077	0.299082	1

## 10141	159.70830	0.690109	1
## 18540	126.56417	0.503279	-1
## 11356	145.59915	0.784713	1
## 17622	136.54088	0.767074	-1
## 5474	110.67790	0.424888	1
## 8955	97.81854	0.277791	-1
## 21894	146.53088	0.585900	-1
## 15591	110.97008	0.287044	1
## 6680	121.20074	0.278997	-1
## 6100	130.45641	0.494112	1
## 4441	95.41234	0.447454	1
## 17722	116.66482	0.673823	1
## 5999	97.98518	0.293836	1
## 9090	131.79599	0.323424	1
## 22400	144.27414	0.577973	-1
## 4341	140.58678	0.771266	-1
## 17276	90.82217	0.362072	-1
## 8231	148.50433	0.271111	1
## 17555	100.36305	0.528126	-1
## 6548	82.69350	0.664334	1
## 4901	88.88941	0.267318	1
## 3436	113.27224	0.761926	-1
## 15045	128.97333	0.561539	1
## 14633	117.73844	0.580983	-1
## 2445	124.59734	0.405648	1
## 16794	98.35907	0.526257	1
## 14238	121.45314	0.286070	-1
## 19716	113.06656	0.288124	-1
## 4842	113.31284	0.431223	1
## 17955	146.46568	0.478716	-1
## 14520	131.75569	0.566576	-1
## 15050	93.08518	0.385212	1
## 12944	91.37328	0.486107	1
## 6844	113.44492	0.545627	1
## 7043	155.99988	0.712099	-1
## 17242	122.79455	0.317297	-1
## 6729	128.55246	0.697794	-1
## 2890	130.20955	0.809906	1
## 15501	142.77408	0.851107	1
## 8050	132.95218	0.338898	-1
## 2598	107.25123	0.738755	-1
## 6736	119.85758	0.392667	-1
## 3090	133.96532	0.747865	-1
## 13740	110.76058	0.277697	1
## 10423	129.52675	0.313143	1
## 19915	101.37064	0.591403	1
## 19360	137.51981	0.425156	-1
## 5168	120.45066	0.363259	1
## 118	116.98658	0.322332	1
## 4399	115.13362	0.329005	1
## 17007	123.58792	0.735494	1
## 8754	115.46957	0.670082	1
## 12723	100.09644	0.812750	1
## 15346	137.00293	0.790029	1

## 21069	142.98967	0.505748	1
## 21887	119.84860	0.820781	-1
## 17935	147.04500	0.720344	-1
## 9486	135.72099	0.817218	1
## 9073	119.49161	0.212911	1
## 16552	101.21290	0.721473	1
## 1694	124.72860	0.704672	-1
## 7358	119.28067	0.615838	1
## 19855	147.14160	0.654341	-1
## 6832	111.29333	0.446890	1
## 3172	136.51181	0.568376	1
## 11244	121.81538	0.417740	-1
## 17010	124.65367	0.807747	1
## 766	93.44959	0.881844	1
## 14625	117.44961	0.277744	-1
## 2081	104.20967	0.355352	1
## 3683	93.07137	0.805477	1
## 14807	98.49806	0.824022	1
## 20559	78.93075	0.538259	1
## 20852	120.25065	0.787139	1
## 1697	91.16705	0.745668	-1
## 17647	94.64541	0.490884	1
## 10321	146.36353	0.480427	1
## 15617	98.61007	0.440509	1
## 17977	103.28934	0.755733	1
## 7982	132.79095	0.168048	-1
## 4116	111.68949	0.863972	1
## 2142	110.87587	0.635789	1
## 8526	144.78627	0.195465	1
## 15158	98.44081	0.605813	1
## 4752	121.43230	0.839786	1
## 5971	165.83919	0.493504	1
## 5675	106.71603	0.423497	-1
## 4862	124.42348	0.287748	1
## 9684	155.03346	0.693086	1
## 20738	142.16373	0.308380	-1
## 8718	119.70390	0.387510	1
## 847	102.22684	0.549596	1
## 15145	111.28410	0.637649	1
## 9256	124.62453	0.701522	1
## 1131	103.48413	0.471202	1
## 8475	161.54239	0.679559	-1
## 17938	146.17299	0.682324	-1
## 13140	110.75069	0.254642	1
## 11906	134.48361	0.761005	1
## 4699	125.98682	0.666939	1
## 9611	129.75586	0.229691	-1
## 5743	106.46784	0.229622	1
## 13827	121.33627	0.259968	1
## 5324	143.41661	0.448626	-1
## 6289	132.45254	0.724396	-1
## 393	106.18835	0.702598	1
## 11133	149.76596	0.758382	-1
## 8827	120.24049	0.493832	1

## 9700	121.02008	0.222477	1
## 8561	111.12864	0.446932	1
## 18104	157.79445	0.407062	-1
## 723	101.33499	0.711020	-1
## 13642	142.34538	0.620862	1
## 7921	90.41116	0.668489	-1
## 7078	106.93942	0.660272	1
## 11825	122.08588	0.466457	1
## 9643	88.09609	0.315721	1
## 6015	121.22834	0.873800	1
## 2765	143.02240	0.820311	-1
## 9878	143.15286	0.337419	1
## 13586	134.75195	0.670316	1
## 13397	143.41307	0.747644	1
## 5685	145.83458	0.655820	-1
## 11065	137.93495	0.700040	-1
## 9647	125.65223	0.250666	1
## 5559	144.47005	0.877265	-1
## 6674	167.10879	0.344985	-1
## 18855	154.04521	0.590786	-1
## 16202	109.89490	0.434123	1
## 4036	110.26122	0.965687	-1
## 86	106.93469	0.519929	1
## 5792	125.32581	0.510690	1
## 16058	107.20009	0.292075	1
## 986	110.41030	0.723353	1
## 14397	77.80217	0.320247	1
## 8854	110.52554	0.342650	1
## 15075	132.16681	0.690183	1
## 11965	149.93323	0.444918	1
## 1078	105.70643	0.612317	-1
## 691	109.90829	0.650837	-1
## 713	123.52848	0.977008	-1
## 517	138.09093	0.284284	1
## 3229	120.06606	0.737270	-1
## 14415	129.69807	0.382668	-1
## 18595	148.63066	0.535218	-1
## 17435	131.90913	0.744648	-1
## 4797	142.32762	0.715286	1
## 19478	102.22070	0.261407	1
## 18238	135.68474	0.480944	1
## 6379	132.43675	0.406102	1
## 13262	138.80048	0.645251	-1
## 11904	135.46634	0.846114	1
## 2163	113.84750	0.876867	1
## 19622	123.28602	0.174857	-1
## 3772	141.59093	0.317925	1
## 804	113.70912	0.857403	1
## 3111	120.86822	0.707519	-1
## 6088	126.14094	0.304189	-1
## 20505	158.28545	0.434328	-1
## 2955	142.44269	0.786872	1
## 4918	110.70602	0.407836	1
## 18088	142.70529	0.440866	-1

## 7723	126.47295	0.338436	1
## 648	113.22894	0.487031	1
## 4371	134.53653	0.806232	-1
## 8792	119.64105	0.694841	1
## 17482	128.00940	0.441198	1
## 20295	145.62613	0.718254	1
## 10604	151.17181	0.843799	1
## 2325	129.67920	0.419900	-1
## 9828	114.09723	0.106415	1
## 7415	133.51723	0.794772	1
## 15787	134.45296	0.401296	1
## 2423	88.11819	0.344334	1
## 905	154.88719	0.930217	-1
## 5222	110.02915	0.563819	-1
## 19169	150.85702	0.347074	1
## 6498	154.66605	0.805332	-1
## 17508	101.01768	0.562163	1
## 7532	130.80817	0.752615	-1
## 19791	128.78105	0.740536	1
## 1911	89.95059	0.600536	-1
## 14364	126.26161	0.392867	1
## 17678	71.24915	0.331583	1
## 6614	127.97785	0.325313	1
## 21306	132.33737	0.378433	-1
## 16033	125.11406	0.443403	1
## 1451	115.34678	0.399944	1
## 12406	103.37682	0.703496	1
## 8644	138.48776	0.762680	-1
## 205	136.10770	0.613369	1
## 13396	143.22090	0.688582	1
## 304	128.08067	0.668140	1
## 2001	159.55154	0.437204	-1
## 8793	117.89535	0.701999	1
## 4595	84.22437	0.825462	1
## 12425	111.22646	0.566427	1
## 592	89.51863	0.496136	1
## 1286	107.29426	0.625340	1
## 18736	115.66616	0.365883	1
## 4082	127.21842	0.716991	1
## 18983	133.32106	0.334492	-1
## 916	125.27601	0.465194	-1
## 13214	119.06085	0.393895	-1
## 11094	151.82463	0.732810	-1
## 21006	119.22349	0.288393	1
## 8833	99.90326	0.424108	1
## 15757	105.50266	0.866420	1
## 15640	112.31185	0.652569	1
## 20271	111.98425	0.548862	1
## 16106	120.45562	0.412573	1
## 8109	113.33493	0.292441	1
## 9423	99.31252	0.158222	-1
## 17709	107.07537	0.467887	1
## 7128	153.69116	0.660834	-1
## 528	99.45355	0.468567	1

## 565	116.83336	0.423110	1
## 21007	129.07098	0.501788	1
## 1077	124.27213	0.605588	-1
## 20853	142.68278	0.684465	1
## 15554	144.67172	0.829168	1
## 5722	105.22089	0.446210	1
## 2193	113.00221	0.709606	-1
## 18811	147.80719	0.565842	-1
## 21436	157.42081	0.679286	-1
## 18008	123.76895	0.528983	1
## 18721	126.86242	0.357880	1
## 1650	116.68134	0.726131	-1
## 1630	110.58082	0.641084	-1
## 19947	122.32977	0.214752	1
## 11754	144.93962	0.587461	-1
## 8112	104.07524	0.574699	1
## 5519	101.31110	0.264407	-1
## 16003	139.88553	0.239398	1
## 20636	101.49021	0.341732	1
## 12638	100.71411	0.317155	1
## 5212	126.45749	0.256858	-1
## 9402	131.54227	0.250453	-1
## 4641	103.43195	0.309618	1
## 12604	110.16400	0.769912	1
## 11925	141.82671	0.818805	-1
## 12016	155.28656	0.575108	1
## 1449	107.47645	0.713529	1
## 15676	128.63472	0.642628	1
## 570	136.09827	0.482102	-1
## 2191	115.18285	0.436363	-1
## 5299	114.65834	0.571229	1
## 19407	112.60339	0.324142	1
## 3640	109.06776	0.339454	1
## 9914	111.68160	0.186305	1
## 2832	85.07748	0.624112	1
## 14886	85.18504	0.735488	1
## 12651	113.00477	0.855861	1
## 7598	141.71268	0.333642	-1
## 6574	87.50278	0.639429	1
## 5731	100.97983	0.737766	1
## 11409	108.35334	0.580789	1
## 9491	118.80770	0.564217	1
## 11067	141.13376	0.689591	-1
## 4912	106.26455	0.804247	1
## 9132	136.65198	0.506734	-1
## 17539	143.07831	0.359886	-1
## 2861	102.66106	0.627876	1
## 8567	107.05720	0.378143	1
## 17085	115.93956	0.249970	-1
## 10006	142.36220	0.712232	-1
## 3695	126.99925	0.737102	1
## 7122	109.43122	0.825828	1
## 2879	106.01913	0.603620	1
## 21947	142.78075	0.653842	-1

## 5482	129.58672	0.711846	1
## 5443	127.78378	0.530459	1
## 11511	110.10543	0.348091	1
## 1261	139.52647	0.793387	-1
## 8695	112.77634	0.438361	1
## 9644	119.94177	0.310211	1
## 1375	142.12834	0.566475	1
## 3699	145.02118	0.732214	-1
## 8662	134.37741	0.500267	-1
## 17807	97.21901	0.350590	1
## 11621	96.99802	0.545835	1
## 13875	132.30089	0.640175	1
## 20571	119.61379	0.601079	1
## 5193	106.38760	0.433891	1
## 21700	141.89918	0.354606	1
## 6648	137.66540	0.518133	-1
## 22534	112.56165	0.351602	1
## 14178	117.84705	0.468300	-1
## 21906	130.90494	0.312489	-1
## 20502	148.30597	0.471560	-1
## 2800	133.16054	0.277044	-1
## 18082	116.37530	0.449140	-1
## 17535	142.38757	0.369092	-1
## 4978	122.18193	0.509926	1
## 8566	108.75392	0.621510	1
## 18486	143.16383	0.783552	-1
## 13280	155.35623	0.620420	-1
## 18927	122.89122	0.779262	1
## 18652	109.16542	0.697148	1
## 6383	106.74551	0.461991	1
## 6040	143.32985	0.653869	-1
## 2053	112.36646	0.495102	1
## 10921	121.78448	0.854873	1
## 11805	108.27859	0.664029	1
## 5175	105.07435	0.342860	1
## 19594	144.46608	0.360487	-1
## 1236	134.18666	0.821726	-1
## 20779	121.38921	0.253665	-1
## 16795	80.19868	0.401157	1
## 22024	153.61386	0.369914	-1
## 12184	119.41385	0.166031	-1
## 6321	156.53230	0.808610	-1
## 15259	146.00678	0.853165	1
## 10410	94.64622	0.781477	1
## 10791	99.72176	0.400286	1
## 2727	129.61897	0.778770	-1
## 18791	139.50845	0.428578	-1
## 11588	144.09821	0.356320	1
## 16564	117.56548	0.441524	1
## 5132	90.31187	0.402975	-1
## 10155	89.14404	0.463340	1
## 18244	111.85183	0.584814	1
## 2450	102.35222	0.309567	1
## 11285	107.61350	0.821443	1

## 1102	122.27060	0.435752	1
## 20967	133.08972	0.507567	1
## 5305	106.31866	0.806709	1
## 4150	116.61029	0.587616	-1
## 17945	121.08333	0.182613	-1
## 7365	121.81538	0.246017	-1
## 5154	146.56058	0.299371	1
## 9161	99.76090	0.405538	-1
## 2278	91.76452	0.733841	1
## 17332	90.24210	0.534463	1
## 12730	88.40966	0.336508	1
## 3254	129.04719	0.545167	-1
## 22349	93.87047	0.377592	1
## 9330	94.95760	0.318031	1
## 5125	113.09438	0.378619	-1
## 8648	132.10428	0.535279	-1
## 10169	107.84428	0.791230	1
## 18800	137.32715	0.387983	-1
## 730	128.36574	0.826517	1
## 6326	143.35623	0.788910	-1
## 20016	128.57822	0.757282	-1
## 21494	142.89513	0.521713	-1
## 11927	135.01306	0.450975	-1
## 5262	114.35708	0.510332	1
## 1518	122.90121	0.830793	-1
## 20356	147.30008	0.705587	-1
## 2150	113.23113	0.440789	1
## 5858	144.62445	0.766803	-1
## 18434	131.43269	0.346463	-1
## 18377	94.57424	0.272698	1
## 7493	89.54176	0.435431	1
## 8003	138.20193	0.242695	-1
## 10832	99.52931	0.788414	1
## 19206	109.53802	0.605113	1
## 3351	110.20674	0.479166	1
## 21239	119.40693	0.349359	-1
## 9031	102.42326	0.100687	1
## 21704	122.32172	0.483110	-1
## 12816	112.52384	0.525705	1
## 21262	129.66393	0.380369	-1
## 6140	146.76769	0.737576	-1
## 18728	123.14033	0.227608	1
## 2117	134.54877	0.452673	-1
## 12296	92.76605	0.862756	1
## 21598	110.03449	0.481873	1
## 6307	145.74142	0.713100	-1
## 21120	126.57121	0.403324	1
## 2178	102.83772	0.487231	1
## 19363	133.48294	0.228652	-1
## 16452	126.04648	0.596420	1
## 20240	115.31099	0.570722	1
## 15526	117.70367	0.811905	1
## 19182	110.76009	0.319374	1
## 10139	145.32330	0.671867	1

## 10606	123.51598	0.520852	1
## 3390	134.17928	0.855665	1
## 5906	152.75209	0.665594	-1
## 16615	102.97304	0.683234	1
## 475	99.14405	0.416681	1
## 4944	118.57207	0.500407	1
## 2980	126.46447	0.612237	-1
## 3981	132.57407	0.425570	-1
## 11817	119.57479	0.501238	1
## 21822	106.17588	0.609829	1
## 18775	114.28401	0.557149	-1
## 6254	79.45698	0.504599	1
## 5598	139.31467	0.402992	-1
## 8645	139.80144	0.774817	-1
## 11106	144.15439	0.579034	-1
## 22186	125.65192	0.593573	-1
## 15888	118.56355	0.409913	-1
## 2772	148.23590	0.612907	-1
## 5929	117.88676	0.556520	1
## 3200	116.40364	0.804951	-1
## 20888	137.94853	0.229454	1
## 21703	113.36771	0.298399	-1
## 438	111.04330	0.504345	1
## 6910	129.52524	0.496411	1
## 13215	127.67437	0.494158	-1
## 15001	113.12163	0.360180	1
## 7625	112.39605	0.789013	1
## 11722	151.42694	0.726094	-1
## 15654	105.55094	0.788889	1
## 10188	103.50921	0.645355	1
## 10108	144.00958	0.255582	1
## 14041	126.56400	0.364476	-1
## 9883	125.18980	0.350464	1
## 2538	94.97211	0.814256	1
## 11942	117.56885	0.466718	1
## 21339	103.06419	0.131729	1
## 7182	92.73580	0.445095	1
## 13687	138.34006	0.507559	1
## 6292	141.76175	0.681364	-1
## 22104	127.65524	0.305164	-1
## 14936	137.89302	0.576267	1
## 3824	140.09010	0.711759	-1
## 4846	91.85037	0.432337	1
## 6509	134.66872	0.308662	-1
## 4571	122.78381	0.424473	1
## 18910	122.57986	0.617268	1
## 11091	141.03799	0.722296	-1
## 7357	97.26912	0.581499	1
## 21307	123.15142	0.735628	-1
## 7720	138.36774	0.425825	1
## 3491	104.30128	0.320443	1
## 19406	114.46100	0.133396	1
## 21506	129.54863	0.456449	-1
## 8679	117.38124	0.382844	1

## 13859	99.91962	0.439229	1
## 18678	115.75739	0.515459	1
## 21199	116.80879	0.548392	-1
## 19644	120.57649	0.088440	-1
## 17608	109.66942	0.515227	-1
## 3803	121.63728	0.449236	1
## 10814	102.95322	0.642567	1
## 16629	79.75542	0.813016	1
## 18018	104.96069	0.427875	1
## 184	88.89001	0.599796	1
## 6743	133.31389	0.398602	-1
## 9523	130.69189	0.462733	1
## 15722	128.95245	0.397599	-1
## 9315	124.43570	0.255711	1
## 1265	140.81015	0.796393	-1
## 18590	149.62245	0.482082	-1
## 18672	88.16392	0.300359	1
## 7289	142.86310	0.537739	1
## 19136	102.72085	0.620677	1
## 13062	144.11693	0.648753	-1
## 21878	107.49556	0.884711	1
## 10784	110.80469	0.358225	1
## 17786	81.70370	0.337107	1
## 8596	114.04510	0.510326	1
## 7492	121.17200	0.478068	1
## 11159	149.55057	0.679816	-1
## 1242	148.06688	0.804388	-1
## 12351	145.47192	0.771273	-1
## 13743	112.13387	0.355469	-1
## 13551	123.03191	0.240773	1
## 1398	145.24158	0.947373	-1
## 22461	153.25313	0.660340	-1
## 19387	97.65936	0.282979	-1
## 11331	86.97788	0.254113	1
## 15808	130.67215	0.738215	1
## 12713	111.92027	0.620444	1
## 9493	126.88238	0.518995	1
## 15844	104.24272	0.708514	-1
## 10411	111.06560	0.582358	1
## 12408	113.21050	0.869804	1
## 21612	119.91745	0.585272	1
## 7593	142.15243	0.356904	-1
## 8307	107.29559	0.632556	1
## 8493	135.15857	0.420458	-1
## 12212	128.71974	0.371309	-1
## 8753	112.88625	0.750313	1
## 21681	112.08130	0.495554	1
## 2210	124.23678	0.838260	-1
## 13550	127.69576	0.229434	1
## 11559	123.44445	0.307518	1
## 22362	135.92284	0.463030	-1
## 9150	127.30966	0.563375	-1
## 7402	101.35526	0.310400	1
## 925	81.17386	0.513939	1

## 7016	129.81126	0.597156	-1
## 16985	100.69177	0.841272	1
## 18715	137.17740	0.558936	1
## 5364	126.13588	0.871344	-1
## 20180	140.12927	0.515006	1
## 1844	122.85748	0.618169	1
## 3943	125.69026	0.509786	1
## 9781	151.12430	0.710847	-1
## 2057	129.83931	0.796966	1
## 7397	129.23727	0.597734	-1
## 18147	97.08707	0.525301	1
## 1470	109.19182	0.354582	1
## 15029	102.61665	0.525440	1
## 5419	96.36031	0.296201	1
## 19013	114.14284	0.236365	1
## 13311	141.67879	0.711438	-1
## 14958	102.21787	0.681258	1
## 15146	105.32180	0.812071	1
## 21795	145.14712	0.477304	-1
## 2367	125.23114	0.837517	1
## 1397	120.80553	0.850554	-1
## 10172	125.82130	0.414419	1
## 22270	91.00015	0.697037	1
## 19329	127.35353	0.392644	-1
## 15106	136.81540	0.553901	1
## 10808	62.78974	0.625860	1
## 17182	102.04488	0.500615	1
## 14646	98.80531	0.316221	-1
## 3881	120.18354	0.481471	1
## 9812	108.79193	0.695129	1
## 14905	118.83594	0.417208	1
## 16489	90.01329	0.553195	1
## 5862	144.30272	0.713686	-1
## 2087	106.66428	0.331151	1
## 9933	141.96568	0.766630	-1
## 8019	121.61313	0.608651	-1
## 9000	120.38249	0.608599	-1
## 20156	145.72965	0.685296	1
## 3031	115.40330	0.815753	1
## 586	81.49023	0.548386	1
## 4971	126.75041	0.633210	1
## 738	93.41217	0.496462	1
## 11441	89.89164	0.112237	1
## 370	113.35626	0.410692	1
## 21898	127.06837	0.476293	-1
## 3921	102.92527	0.518157	1
## 245	124.22384	0.447491	1
## 7395	151.05513	0.911121	-1
## 17150	105.47253	0.739011	-1
## 17584	118.84045	0.376124	-1
## 162	141.20872	0.374066	1
## 8742	105.42756	0.436228	1
## 18645	119.27724	0.600751	1
## 21342	95.14449	0.237299	1

## 17148	133.13672	0.472729	-1
## 9098	143.23860	0.275990	1
## 930	110.92954	0.830809	1
## 21161	110.26331	0.390764	-1
## 14647	114.23941	0.293087	-1
## 8630	153.24541	0.580227	-1
## 2204	135.79590	0.713573	-1
## 5655	138.90979	0.474787	-1
## 15490	89.75678	0.419029	1
## 12790	122.81883	0.583452	1
## 12394	90.50346	0.286501	1
## 614	148.18739	0.547373	1
## 2533	87.50057	0.772571	1
## 22145	134.45396	0.527451	-1
## 11352	107.52093	0.552811	1
## 18550	144.82878	0.515399	-1
## 6301	134.42903	0.358294	-1
## 7489	106.49401	0.452132	1
## 15118	141.26367	0.651530	1
## 814	139.98351	0.815002	-1
## 10841	82.35600	0.768403	1
## 177	72.95518	0.731214	1
## 11194	108.68083	0.482263	-1
## 18767	121.73841	0.478321	-1
## 335	112.63141	0.317794	1
## 4882	106.47179	0.753585	1
## 16159	93.97841	0.489849	1
## 14087	106.63963	0.525279	-1
## 5903	141.05493	0.750281	-1
## 13303	141.06209	0.665179	-1
## 15751	117.24009	0.234167	-1
## 8361	98.66987	0.510775	1
## 4454	99.22022	0.575253	1
## 13433	125.96665	0.403909	1
## 8824	102.86382	0.365789	1
## 16559	133.07797	0.459702	1
## 22143	149.04448	0.310632	-1
## 173	99.21005	0.716181	1
## 18687	104.55187	0.265983	1
## 4976	126.18425	0.633342	1
## 13145	123.31846	0.569387	1
## 20914	111.82389	0.716637	-1
## 12279	124.79868	0.788738	1
## 6633	120.33296	0.269865	-1
## 20777	135.23936	0.744800	-1
## 22375	127.46243	0.618191	-1
## 13178	110.81614	0.245118	1
## 19617	103.55534	0.135951	-1
## 4590	98.00436	0.625153	1
## 20715	121.76247	0.507712	-1
## 10927	107.52271	0.648504	1
## 11851	117.82623	0.617139	1
## 18871	104.28732	0.487261	1
## 7990	140.72665	0.402042	-1

## 18586	139.25981	0.732430	-1
## 2209	144.62846	0.941632	-1
## 2963	129.91910	0.707873	1
## 2776	131.48900	0.815752	-1
## 21647	124.73370	0.219279	1
## 8375	111.68536	0.474049	1
## 4125	104.46558	0.890698	1
## 1401	153.67094	0.963816	-1
## 8636	146.85797	0.340750	-1
## 12054	139.29379	0.467108	1
## 16643	104.90306	0.650963	1
## 19455	142.81477	0.891325	1
## 17793	146.52388	0.387201	1
## 5504	113.55130	0.602342	1
## 13250	158.12080	0.724858	-1
## 15505	122.46437	0.712670	1
## 20782	157.50342	0.618981	-1
## 18264	142.66406	0.525213	-1
## 1072	102.17648	0.488236	-1
## 14904	97.51787	0.454506	1
## 13604	134.03439	0.359348	1
## 7619	112.66406	0.564077	1
## 9958	129.74747	0.516155	-1
## 14688	107.41402	0.786136	1
## 17392	117.19385	0.688801	1
## 2148	100.11832	0.426007	1
## 239	85.03432	0.290785	1
## 20082	123.51878	0.385479	1
## 20449	148.87064	0.678976	-1
## 21771	119.72997	0.479422	-1
## 4577	98.21011	0.515503	1
## 12204	117.46870	0.276715	-1
## 12718	100.32124	0.818988	1
## 21527	118.78751	0.344927	-1
## 4585	99.80520	0.509597	1
## 1509	131.99062	0.769154	-1
## 21996	89.27011	0.333914	1
## 7383	148.39937	0.644630	-1
## 9921	131.24939	0.817303	1
## 1770	80.35808	0.267753	1
## 12320	92.18781	0.637776	1
## 16686	111.82587	0.412958	1
## 14261	99.72454	0.658846	-1
## 5790	142.24831	0.571746	1
## 12717	105.76479	0.802558	1
## 8331	129.15604	0.505714	1
## 2926	131.28114	0.790600	1
## 3155	118.78553	0.297697	1
## 11080	148.88797	0.724328	-1
## 17231	127.18298	0.314877	-1
## 1516	116.68756	0.789563	-1
## 1299	154.23303	0.375249	1
## 11570	126.01580	0.686498	1
## 14043	113.91275	0.277140	-1

## 20900	130.65999	0.357940	-1
## 14303	80.81960	0.599768	1
## 20053	110.31164	0.552669	-1
## 18347	123.73819	0.651985	1
## 10962	145.59982	0.628768	-1
## 447	119.11747	0.485292	1
## 19201	131.55569	0.807993	1
## 9968	145.65512	0.336400	-1
## 4494	87.23219	0.805636	1
## 8311	135.68549	0.604802	1
## 6903	132.20087	0.249289	1
## 17957	134.36029	0.471238	-1
## 511	126.79368	0.297796	1
## 1999	140.63585	0.521109	-1
## 3738	117.06368	0.446176	1
## 9680	124.42869	0.670147	1
## 6670	125.51956	0.389266	-1
## 19511	137.05041	0.581784	-1
## 549	107.14180	0.584181	1
## 2975	131.45880	0.607855	-1
## 7764	125.77525	0.752454	1
## 16343	105.69782	0.569389	1
## 2767	143.39247	0.521679	-1
## 21912	147.81589	0.727483	-1
## 9925	136.20285	0.322977	1
## 21821	87.25815	0.793463	1
## 12482	99.17538	0.272286	1
## 17320	101.04937	0.543501	-1
## 5100	109.13997	0.733052	1
## 8525	124.56421	0.633922	1
## 13247	137.00001	0.524074	-1
## 11488	142.61020	0.635753	1
## 13904	119.78455	0.401692	1
## 4413	107.58218	0.540045	1
## 14668	126.78835	0.207561	1
## 5649	137.53609	0.395620	-1
## 10849	109.41225	0.545076	1
## 13403	130.50104	0.910947	1
## 19976	127.06660	0.337342	1
## 17346	101.01338	0.595896	1
## 15107	133.82416	0.473207	1
## 21853	96.29501	0.286053	1
## 9540	111.95863	0.249662	1
## 8052	134.73897	0.475622	-1
## 3123	111.43931	0.402561	1
## 8623	155.98662	0.654391	-1
## 2463	143.10805	0.925531	-1
## 15694	124.01858	0.821972	-1
## 5464	105.46211	0.665118	1
## 19839	116.83422	0.260805	1
## 18321	112.58320	0.642977	1
## 2488	121.35291	0.626262	1
## 3610	107.24998	0.385577	-1
## 19280	122.37296	0.732139	-1

## 15894	102.51746	0.313056	-1
## 16212	112.24075	0.717953	1
## 4110	86.63219	0.563955	1
## 82	123.65977	0.671158	1
## 15153	102.81896	0.817242	1
## 18348	124.30935	0.301234	1
## 7495	117.03530	0.432805	1
## 2479	125.39291	0.673673	1
## 14188	130.20340	0.553066	-1
## 1777	94.27165	0.506239	1
## 8305	125.48689	0.648136	1
## 13703	143.69284	0.384646	1
## 20864	117.02437	0.211934	1
## 15030	116.42018	0.507304	1
## 1889	119.84582	0.637529	-1
## 7817	108.30785	0.446191	1
## 14218	99.48121	0.284501	-1
## 8513	126.07433	0.484749	1
## 7401	100.84927	0.128197	1
## 13646	107.95428	0.588911	1
## 8997	143.53177	0.377383	-1
## 12645	106.25639	0.386766	1
## 11705	113.48569	0.476387	1
## 22450	132.02241	0.425079	-1
## 21846	84.34075	0.494971	1
## 7978	155.00090	0.552526	-1
## 4857	110.56690	0.275733	1
## 15880	118.50677	0.436495	-1
## 13611	124.01455	0.227523	1
## 571	125.75220	0.640636	-1
## 20751	79.87985	0.347552	-1
## 18549	144.94125	0.562141	-1
## 7205	110.62279	0.399128	-1
## 19885	92.30748	0.594840	1
## 18954	125.76425	0.100134	1
## 10937	79.60140	0.286581	1
## 11278	121.64645	0.527323	-1
## 10657	105.68679	0.532119	1
## 22174	101.08405	0.543211	1
## 1582	121.05074	0.613110	-1
## 21338	102.33337	0.480726	1
## 8900	122.59634	0.290120	-1
## 4465	108.07873	0.632963	1
## 22404	139.40773	0.815314	-1
## 2539	93.56685	0.821059	1
## 6537	93.35518	0.704982	1
## 8489	152.14519	0.692993	-1
## 6281	105.03235	0.703987	-1
## 15329	125.84280	0.774199	1
## 20892	115.10530	0.473985	1
## 11736	141.95686	0.724682	-1
## 8898	131.88890	0.476550	-1
## 4179	137.76914	0.486573	-1
## 3633	134.11943	0.690929	1

## 12872	144.28006	0.303775	1
## 16915	102.26215	0.713148	1
## 2164	129.72966	0.899954	1
## 21970	132.06419	0.397949	1
## 6899	146.97926	0.710428	-1
## 22235	136.95360	0.673585	-1
## 19057	141.13458	0.908987	1
## 375	136.20934	0.762292	1
## 15303	110.53578	0.678188	1
## 10072	142.29860	0.817112	-1
## 3305	154.57466	0.432556	-1
## 20662	137.95758	0.600622	-1
## 6579	110.50674	0.606647	1
## 3287	137.95694	0.508473	-1
## 957	85.24719	0.459968	1
## 998	156.58751	0.795219	-1
## 10561	95.30411	0.305453	1
## 1194	93.45023	0.502108	1
## 18201	99.33885	0.634098	1
## 5153	111.78481	0.291844	1
## 7672	109.86491	0.495146	1
## 20311	148.84796	0.757796	1
## 1956	89.00423	0.337105	-1
## 20294	147.33797	0.555187	1
## 20610	127.76469	0.670104	1
## 11079	145.43697	0.534691	-1
## 2716	139.01006	0.464202	-1
## 13843	121.07149	0.322908	1
## 2962	131.31435	0.686990	1
## 11569	124.14717	0.590692	1
## 11030	97.24648	0.609096	-1
## 13345	119.68927	0.577374	1
## 2997	89.00452	0.288696	1
## 484	117.21733	0.520784	1
## 10312	94.21298	0.563794	1
## 644	76.12292	0.317355	1
## 5543	131.62073	0.604870	-1
## 16050	103.61332	0.330535	1
## 5337	121.42918	0.594669	-1
## 12575	100.12891	0.290593	1
## 407	130.73558	0.614479	1
## 12762	104.07555	0.739472	1
## 569	139.77596	0.453860	-1
## 13031	103.18767	0.397017	1
## 14352	134.92598	0.665134	1
## 11651	104.74539	0.404746	1
## 3146	137.43932	0.318541	1
## 2842	119.83308	0.737491	1
## 15878	123.09269	0.319280	-1
## 20239	110.02850	0.690828	1
## 12805	97.13284	0.456558	1
## 17980	111.84632	0.649225	1
## 7150	124.59386	0.338340	-1
## 7110	101.90249	0.282154	1

## 8514	127.34544	0.611065	1
## 13150	128.76556	0.731718	1
## 11781	87.73852	0.710600	1
## 16233	93.16537	0.690182	1
## 13776	119.70386	0.209735	1
## 14508	134.11320	0.714726	-1
## 6905	110.27226	0.185077	1
## 11753	154.19701	0.682075	-1
## 12227	145.01477	0.333449	-1
## 17586	119.81503	0.484420	-1
## 9428	119.82410	0.337212	-1
## 11801	129.18800	0.269952	1
## 3333	121.90185	0.542717	1
## 17623	145.21793	0.731205	1
## 19380	126.93565	0.166003	-1
## 20281	148.46555	0.753136	1
## 10208	137.57962	0.565827	1
## 1475	119.45543	0.844889	1
## 17883	103.72100	0.681391	-1
## 14598	107.09367	0.347557	-1
## 14609	117.79701	0.309076	-1
## 22424	109.67956	0.384355	1
## 198	110.23391	0.512078	1
## 21496	121.76742	0.313416	-1
## 3530	87.49532	0.413569	1
## 2828	99.01994	0.911058	1
## 15629	107.78369	0.611141	1
## 2733	133.81137	0.702247	-1
## 8024	110.20384	0.432610	-1
## 6149	126.79368	0.297796	1
## 9505	122.90284	0.228792	1
## 16654	90.68734	0.350486	1
## 8153	121.22869	0.661395	1
## 10728	113.26208	0.551020	1
## 12589	96.09165	0.523385	1
## 6208	118.46781	0.363910	1
## 16787	98.16079	0.523085	1
## 11450	136.05911	0.721524	1
## 2796	134.32188	0.564223	-1
## 3064	103.22977	0.475850	1
## 9309	145.10008	0.671276	1
## 14912	115.09403	0.106436	1
## 14051	133.57942	0.370915	-1
## 2874	122.64139	0.626460	1
## 12033	96.31876	0.878966	1
## 16563	109.29031	0.377681	1
## 20748	132.98105	0.559929	-1
## 3904	125.23513	0.489631	1
## 22504	97.86392	0.546524	1
## 8139	101.67529	0.308179	1
## 9032	111.04575	0.340993	1
## 2199	125.34686	0.886797	-1
## 4440	148.20099	0.397068	1
## 13333	143.73140	0.626586	-1

## 18863	145.66434	0.669835	-1
## 8960	143.98425	0.730832	-1
## 16539	129.75578	0.724405	1
## 5056	85.80222	0.296872	1
## 6065	154.26511	0.817341	-1
## 686	114.23084	0.419428	-1
## 17227	95.31657	0.668533	-1
## 2758	146.42717	0.382255	1
## 18976	103.19361	0.325158	-1
## 8181	129.37799	0.452563	1
## 18703	124.55278	0.701158	1
## 9520	113.46455	0.409211	1
## 17613	105.30260	0.213175	-1
## 12313	93.75629	0.458763	1
## 4067	91.70489	0.428932	1
## 21744	127.23198	0.579204	-1
## 22479	92.73794	0.305159	1
## 20822	125.50375	0.118809	1
## 20489	103.72580	0.532533	-1
## 15763	113.54271	0.733343	1
## 7852	94.24365	0.505129	1
## 21255	124.13581	0.353237	-1
## 17258	127.82888	0.435282	-1
## 3713	149.30150	0.690731	-1
## 19379	136.75473	0.521329	-1
## 8698	117.77313	0.447494	1
## 3163	86.96998	0.442689	1
## 8855	119.95376	0.694155	1
## 20731	110.02885	0.374423	-1
## 17198	110.34396	0.694443	1
## 9496	143.53024	0.908873	1
## 13912	111.80479	0.477023	1
## 21156	138.20688	0.584061	1
## 9705	129.85161	0.328984	1
## 4414	121.10270	0.710320	1
## 2635	126.20771	0.630747	1
## 8166	114.53606	0.774623	1
## 11251	136.65079	0.559332	-1
## 11862	102.29301	0.455527	1
## 7575	155.18512	0.785595	-1
## 14713	74.19261	0.403533	1
## 128	106.31866	0.806709	1
## 21353	111.54757	0.629845	1
## 14638	123.18375	0.413267	-1
## 14315	85.81172	0.298677	1
## 1338	133.77953	0.901112	-1
## 5498	114.34180	0.672369	1
## 9178	121.85840	0.413692	-1
## 20584	114.32325	0.286218	1
## 8724	150.70065	0.563799	1
## 6721	128.49745	0.495359	-1
## 19020	126.77987	0.346667	1
## 8314	106.82322	0.495434	1
## 20377	131.51659	0.335814	-1

## 6126	151.68282	0.598921	1
## 6849	140.19859	0.640230	1
## 18801	107.82429	0.393469	-1
## 5371	129.85289	0.332509	-1
## 21669	112.60234	0.185188	1
## 14040	128.62418	0.272485	-1
## 16569	74.17063	0.531977	1
## 7612	110.79020	0.744946	1
## 7174	94.03340	0.373245	-1
## 11148	148.29399	0.773878	-1
## 18215	105.51316	0.612291	1
## 4691	120.17561	0.777747	1
## 4876	107.53339	0.843687	1
## 16326	109.92272	0.475226	1
## 2969	135.54517	0.579079	-1
## 14156	88.04002	0.201621	1
## 2435	113.06027	0.809300	1
## 7878	88.33825	0.469471	-1
## 2267	101.14055	0.496325	1
## 17189	127.10677	0.915008	1
## 5034	99.40146	0.448288	1
## 17357	85.90269	0.483526	1
## 10540	118.96140	0.370125	1
## 9063	131.75011	0.773920	1
## 9751	128.58688	0.731299	-1
## 3851	107.37544	0.801070	-1
## 9016	90.56995	0.338692	1
## 7991	157.99644	0.381243	-1
## 12574	92.90824	0.250942	1
## 11513	78.88995	0.419792	1
## 16168	126.51157	0.599374	1
## 18105	154.10169	0.506069	-1
## 12913	130.53886	0.600162	1
## 5135	127.24423	0.746669	-1
## 14035	127.96835	0.274418	-1
## 9831	90.50018	0.343367	1
## 13028	91.33850	0.508094	1
## 21463	127.37544	0.279467	-1
## 20797	108.55436	0.486373	1
## 22242	116.44943	0.393832	1
## 11911	136.46364	0.904452	1
## 22090	125.18127	0.529909	-1
## 7555	125.03092	0.375481	-1
## 1302	92.47531	0.546418	1
## 13543	120.94610	0.578027	1
## 3569	106.79793	0.934201	-1
## 14242	117.17921	0.292942	-1
## 18510	152.94080	0.840535	-1
## 10287	99.36716	0.609461	1
## 6719	133.61891	0.844071	-1
## 15471	121.52988	0.731579	1
## 19710	114.13448	0.700522	-1
## 1831	120.30441	0.357640	1
## 1341	135.94290	0.379029	-1

## 11393	124.75334	0.600387	1
## 17006	113.68871	0.854387	1
## 3957	141.33058	0.341206	1
## 20197	142.19604	0.449243	1
## 14235	98.56800	0.371744	-1
## 10696	138.63847	0.735047	1
## 13191	110.98742	0.092336	1
## 9634	124.04233	0.399829	-1
## 1775	81.47943	0.403635	1
## 9535	119.78342	0.581301	1
## 16158	99.29781	0.478753	1
## 5036	115.67993	0.275897	1
## 14208	129.26761	0.777403	-1
## 13599	132.87755	0.510051	1
## 8116	101.55414	0.431331	1
## 9710	122.77558	0.090974	1
## 15357	142.01230	0.739883	1
## 5774	135.96249	0.515974	1
## 5956	108.14938	0.401801	1
## 12781	90.57838	0.418711	1
## 6663	155.89624	0.631437	-1
## 8309	126.83081	0.769598	1
## 1325	92.64105	0.359520	1
## 16374	105.37339	0.549832	1
## 7305	111.66020	0.316915	1
## 6657	81.56362	0.297532	-1
## 4926	120.37852	0.690161	1
## 4029	120.64464	0.730275	-1
## 15946	90.05838	0.531773	1
## 15737	140.11508	0.426284	-1
## 2662	98.31589	0.732375	-1
## 3602	158.85284	0.730675	-1
## 2717	135.87489	0.743439	-1
## 10180	89.67264	0.295260	1
## 19366	124.73727	0.653632	-1
## 2621	108.19193	0.622286	1
## 9601	109.26401	0.242476	-1
## 19296	143.16208	0.513056	-1
## 13965	96.10875	0.205278	1
## 20699	132.67120	0.445284	-1
## 22171	107.72711	0.551751	1
## 2385	129.88969	0.754978	-1
## 6640	105.12932	0.550152	-1
## 22205	136.23724	0.734421	-1
## 18751	153.67462	0.184615	1
## 10076	147.97972	0.535782	-1
## 14107	122.71588	0.335856	-1
## 7708	137.71335	0.538456	-1
## 13663	108.46698	0.126633	1
## 4738	83.85636	0.769785	1
## 5112	158.14896	0.538840	-1
## 13664	123.16344	0.105854	1
## 13012	125.49448	0.420796	1
## 5399	126.95185	0.371458	-1

## 15229	116.98578	0.577884	1
## 15740	132.69058	0.388467	-1
## 11249	151.77736	0.564045	-1
## 15651	102.89877	0.676526	1
## 8292	94.55026	0.516128	1
## 20287	141.29668	0.745454	1
## 11605	113.41595	0.472148	1
## 11487	125.57430	0.675067	1
## 11837	92.51206	0.658962	1
## 19719	104.30564	0.537239	-1
## 7816	133.37852	0.566574	1
## 21471	129.22673	0.237490	-1
## 9730	113.15179	0.502623	1
## 20366	141.90744	0.513121	-1
## 17821	115.70953	0.454153	1
## 1056	142.11177	0.776124	-1
## 21686	118.85644	0.172921	1
## 14731	128.71994	0.628444	1
## 1664	109.17906	0.674094	-1
## 2259	121.53127	0.707993	1
## 22008	104.99147	0.654231	1
## 15433	104.39569	0.603450	1
## 21751	110.18042	0.446573	-1
## 14517	128.65370	0.523978	-1
## 12199	120.58074	0.140060	-1
## 16587	128.88339	0.493505	1
## 21237	127.47900	0.437858	-1
## 22114	122.58393	0.584988	-1
## 14180	137.87509	0.681609	-1
## 4931	109.70020	0.312272	1
## 11101	145.53992	0.724174	-1
## 3435	108.98913	0.918599	-1
## 3195	107.03406	0.915054	1
## 17041	98.65417	0.714340	1
## 8936	131.00435	0.367214	-1
## 13340	132.02046	0.450753	1
## 9389	110.16859	0.462634	-1
## 9057	135.39467	0.730463	1
## 20450	132.56561	0.591703	-1
## 12444	126.40050	0.311124	1
## 6712	104.81970	0.371730	-1
## 4961	121.08840	0.456251	1
## 759	113.21577	0.465278	1
## 9022	100.85737	0.303753	1
## 10092	133.50455	0.348949	1
## 2876	129.04146	0.756990	1
## 19814	139.74345	0.367911	1
## 1431	106.37495	0.911923	1
## 13817	127.25924	0.568484	1
## 16494	72.37404	0.469553	1
## 13112	97.47975	0.632587	1
## 17171	127.85111	0.523716	-1
## 20577	128.89931	0.224148	1
## 16196	114.09945	0.568695	1

## 11922	133.65079	0.469201	-1
## 4227	110.17658	0.696973	-1
## 15144	125.07127	0.457394	1
## 16201	104.40954	0.352610	1
## 3566	120.75181	0.658476	-1
## 13368	106.54340	0.354146	1
## 14610	120.43329	0.316346	-1
## 8492	133.94611	0.295170	-1
## 17122	150.37134	0.548335	-1
## 5266	103.48925	0.451111	1
## 19014	105.62956	0.231686	1
## 7986	136.68278	0.405808	-1
## 8977	139.84775	0.610532	-1
## 5240	135.93956	0.665310	-1
## 16896	108.04167	0.444031	1
## 14511	126.68026	0.826796	-1
## 11027	133.54529	0.658814	-1
## 10573	102.67110	0.724616	1
## 15530	113.15101	0.577040	1
## 15684	118.39590	0.769033	1
## 18658	97.56496	0.776135	1
## 16398	133.90895	0.550827	1
## 22222	114.24045	0.313730	-1
## 4488	109.57675	0.217060	1
## 1778	93.88644	0.939348	1
## 362	135.89450	0.685984	1
## 21024	114.61309	0.588229	1
## 16073	117.80299	0.455815	1
## 17726	95.92472	0.854910	1
## 9922	139.70915	0.447830	1
## 4209	131.62404	0.632063	-1
## 12105	98.30955	0.203954	-1
## 18094	140.90813	0.612592	-1
## 15583	94.79371	0.276428	1
## 22491	106.50775	0.555489	1
## 5143	109.96493	0.270214	1
## 13814	137.50281	0.783499	1
## 19760	127.24502	0.295581	1
## 8168	133.22522	0.856109	1
## 7604	135.11751	0.388978	1
## 20455	121.23817	0.326244	-1
## 4260	90.84066	0.300089	1
## 5900	150.11186	0.695073	-1
## 7083	83.27571	0.407289	1
## 641	97.56165	0.537469	1
## 21365	130.47559	0.492736	1
## 4302	121.89293	0.520035	1
## 4820	128.75296	0.898757	1
## 17160	129.46097	0.545988	-1
## 8664	140.78413	0.622961	-1
## 17154	93.01093	0.328110	-1
## 1615	116.35774	0.701990	-1
## 16189	83.90362	0.443030	1
## 17758	141.45476	0.666628	-1

## 22339	119.05060	0.458743	1
## 11204	145.74219	0.499228	-1
## 4639	71.40812	0.541515	1
## 11933	117.43615	0.392836	-1
## 17718	109.77177	0.562245	1
## 13079	148.04131	0.719476	-1
## 2362	81.53480	0.347792	1
## 6016	108.04138	0.554381	1
## 20079	125.95866	0.167083	1
## 13332	140.16606	0.684477	-1
## 784	120.28029	0.766358	1
## 711	131.42363	0.863864	-1
## 14082	148.35425	0.823252	-1
## 16824	141.97934	0.918122	1
## 2091	141.66170	0.708114	-1
## 15163	107.82220	0.877210	1
## 21283	136.73962	0.535129	-1
## 3447	122.35333	0.740154	-1
## 21770	129.75897	0.634114	-1
## 3122	128.57739	0.735603	-1
## 5627	143.95451	0.754729	-1
## 8197	119.94887	0.572141	1
## 20743	158.58670	0.710879	-1
## 16830	104.82465	0.317830	1
## 1767	126.39806	0.425691	1
## 21386	119.14679	0.247754	1
## 20498	150.38226	0.467096	-1
## 19798	146.53148	0.495553	1
## 15356	142.18378	0.660955	1
## 12129	127.81551	0.154351	-1
## 1811	104.08035	0.850612	-1
## 6507	137.97994	0.738827	-1
## 5664	139.98752	0.418747	-1
## 4986	85.75584	0.651510	1
## 18866	151.28285	0.660654	-1
## 8976	141.11469	0.776211	-1
## 8562	91.98214	0.398444	1
## 5998	109.85003	0.421367	1
## 3307	121.44254	0.357440	-1
## 7638	119.35945	0.624623	1
## 5560	146.85983	0.806845	-1
## 16464	112.86548	0.424599	1
## 3928	103.13583	0.469598	1
## 10716	102.03544	0.814437	1
## 1418	132.66264	0.648662	-1
## 12022	72.09534	0.542735	1
## 21179	133.09534	0.434048	-1
## 6282	146.04472	0.737391	-1
## 19071	111.50764	0.325545	1
## 19950	131.47594	0.338682	1
## 19332	122.92989	0.322241	-1
## 16128	92.88110	0.414505	1
## 6367	99.58092	0.570189	1
## 3685	112.47800	0.780856	1

## 533	92.79206	0.655895	1
## 11582	82.21513	0.323355	1
## 3043	114.29600	0.556203	1
## 21200	134.98802	0.524673	-1
## 20921	125.74564	0.754919	1
## 14275	132.19037	0.345680	-1
## 21955	148.74149	0.671186	-1
## 10330	90.17484	0.520059	1
## 2843	106.29123	0.616338	1
## 1710	151.49457	0.895477	-1
## 19639	124.31497	0.188594	-1
## 12780	107.40084	0.384958	1
## 10930	130.66853	0.527517	1
## 8712	117.53474	0.405962	1
## 16210	111.69706	0.689519	1
## 2143	124.61735	0.863355	1
## 11075	135.58086	0.586621	-1
## 3964	87.45695	0.368207	1
## 13800	102.71349	0.738015	1
## 16816	120.88314	0.621875	1
## 10824	123.06113	0.386967	1
## 18421	136.28661	0.711498	-1
## 14603	124.10904	0.236375	-1
## 9383	96.71678	0.632869	-1
## 12923	103.85487	0.121419	1
## 14993	124.72153	0.863945	1
## 540	81.69559	0.544058	1
## 18554	141.79866	0.549924	-1
## 20204	135.24582	0.429530	1
## 19215	116.41328	0.653100	1
## 4457	98.32658	0.594121	1
## 3954	112.25786	0.369266	1
## 20918	128.67835	0.550642	1
## 18845	138.46710	0.495078	-1
## 20390	144.54561	0.682090	-1
## 15925	129.95360	0.326846	-1
## 1822	138.49229	0.834770	-1
## 753	107.62430	0.457097	1
## 5761	110.32057	0.162030	1
## 22309	110.06165	0.841737	1
## 11964	143.31120	0.527521	1
## 21031	119.39410	0.240339	1
## 22311	120.18110	0.760766	1
## 8267	101.94754	0.293752	1
## 4787	80.25490	0.401460	1
## 14894	92.09200	0.736994	1
## 19004	118.76575	0.232360	1
## 21409	133.63762	0.280722	1
## 3935	70.81836	0.358012	1
## 15822	85.22413	0.607743	1
## 22052	119.29153	0.433411	1
## 19965	89.28250	0.207448	1
## 403	115.77408	0.500638	1
## 5102	92.46861	0.632644	1

## 8119	115.93473	0.510740	1
## 3736	108.54735	0.620795	1
## 300	143.85194	0.498685	1
## 11014	104.87782	0.656344	-1
## 9399	116.19473	0.358992	-1
## 13265	145.34676	0.722393	-1
## 18569	133.52904	0.394958	-1
## 6845	119.98141	0.625781	1
## 1734	94.60850	0.573924	1
## 22228	151.29077	0.709711	-1
## 14756	119.52260	0.354672	1
## 3218	97.32715	0.726604	-1
## 7483	127.57449	0.499377	1
## 9181	100.15025	0.374012	-1
## 16130	103.48316	0.241714	1
## 8195	104.44701	0.529679	1
## 2875	143.89627	0.820904	1
## 408	145.77650	0.548995	1
## 5794	114.88546	0.672433	1
## 5366	120.15520	0.290802	-1
## 2689	136.12750	0.981578	-1
## 21584	121.42499	0.710410	1
## 5383	148.97330	0.426174	-1
## 8928	135.53746	0.863753	-1
## 17376	88.92851	0.432748	1
## 11383	143.03622	0.450878	1
## 11184	135.63884	0.780239	-1
## 17559	117.21717	0.582170	-1
## 22492	100.38663	0.390086	1
## 14832	96.09049	0.536828	1
## 1089	134.85567	0.648463	1
## 5778	134.63559	0.647672	1
## 20426	140.38962	0.487248	-1
## 13846	131.77101	0.388873	1
## 2455	99.75921	0.463910	1
## 11385	112.41927	0.416877	1
## 2775	123.43076	0.938811	-1
## 11152	149.01991	0.764384	-1
## 6437	142.08060	0.523556	1
## 11231	134.83733	0.622455	-1
## 413	136.69746	0.838010	1
## 13801	117.21888	0.519153	1
## 17380	112.99410	0.763931	1
## 11203	152.64162	0.695502	-1
## 20682	132.84412	0.633088	-1
## 16385	110.85085	0.762367	1
## 7270	124.77684	0.561199	1
## 15352	125.14848	0.554526	1
## 2027	98.74200	0.574114	1
## 14452	145.34387	0.407314	-1
## 13974	144.38629	0.430032	1
## 2719	117.91921	0.641532	-1
## 10848	98.73088	0.779945	1
## 14240	89.55015	0.360629	-1

## 22029	149.59824	0.770943	-1
## 4113	106.69644	0.344148	1
## 9026	75.48794	0.231164	1
## 12165	122.50360	0.098908	-1
## 22476	77.34611	0.296815	1
## 17260	115.32894	0.249948	-1
## 10391	129.69969	0.399565	1
## 1120	104.75626	0.548175	1
## 5126	133.43622	0.587442	-1
## 7306	124.47792	0.450800	1
## 5091	125.14349	0.299648	1
## 5987	144.70924	0.476237	1
## 13507	134.61520	0.774416	-1
## 17684	106.59897	0.508298	1
## 89	103.48925	0.451111	1
## 2709	147.28400	0.472154	-1
## 13998	137.05731	0.511160	-1
## 9935	137.23639	0.763093	-1
## 21321	125.16264	0.397864	-1
## 1545	111.32890	0.411225	-1
## 1727	89.74686	0.536642	1
## 16921	111.77610	0.407042	1
## 8190	123.62749	0.591548	1
## 3256	136.89395	0.629833	-1
## 5226	143.05017	0.487820	-1
## 8594	95.46730	0.432291	1
## 19623	132.39627	0.189342	-1
## 19128	129.00279	0.157738	1
## 10297	110.54977	0.651681	1
## 10870	101.61970	0.547804	1
## 18324	127.37517	0.703692	1
## 17136	130.34721	0.657643	-1
## 16239	126.29597	0.703400	1
## 3328	124.33142	0.391398	1
## 3462	90.11639	0.600471	1
## 15205	97.53944	0.471293	1
## 13929	148.71843	0.676742	1
## 15567	86.03374	0.471244	1
## 19836	121.72079	0.255379	1
## 4801	86.58656	0.411276	1
## 20437	131.50876	0.478132	-1
## 13045	106.94426	0.697223	1
## 16247	128.43884	0.868509	1
## 13296	150.61429	0.718701	-1
## 7923	142.22090	0.192353	-1
## 4099	105.03741	0.607394	1
## 15710	145.46442	0.672302	-1
## 9376	89.49641	0.350732	-1
## 11661	132.39883	0.349465	1
## 4140	117.25781	0.618766	1
## 2855	109.53852	0.717018	1
## 19544	111.02970	0.246563	1
## 16655	76.76579	0.291147	1
## 13536	142.28261	0.302219	-1

## 14044	131.90335	0.358304	-1
## 10660	91.81155	0.595829	1
## 13347	115.04841	0.597076	1
## 19565	137.80975	0.276096	-1
## 11470	91.89725	0.702833	1
## 13044	113.39277	0.541695	1
## 21627	132.03479	0.669467	1
## 16319	94.20197	0.815512	1
## 12256	107.62972	0.369881	-1
## 21206	115.12849	0.664767	-1
## 5084	124.19685	0.655124	1
## 8950	91.29748	0.337913	-1
## 1317	137.12088	0.496416	1
## 2046	114.58659	0.364425	1
## 7655	133.82620	0.297981	1
## 12815	141.37363	0.565422	1
## 15074	111.69849	0.513833	1
## 1335	126.42460	0.815384	-1
## 9245	113.15652	0.249892	-1
## 19466	124.83260	0.230798	1
## 9285	120.72156	0.619703	1
## 3098	106.85706	0.836795	-1
## 15923	130.66249	0.688053	-1
## 18068	114.77958	0.618204	-1
## 2789	129.93973	0.517404	-1
## 9134	134.39876	0.674931	-1
## 7881	124.27619	0.531331	-1
## 22227	159.94392	0.698746	-1
## 5142	95.03695	0.314103	1
## 2106	120.19817	0.729522	-1
## 9603	120.57069	0.254928	-1
## 17948	143.40771	0.591396	-1
## 4922	137.43785	0.627029	1
## 3637	116.55683	0.623426	1
## 7563	90.96137	0.254524	-1
## 4869	112.08625	0.720908	1
## 17665	119.15898	0.597839	1
## 17666	123.41975	0.787760	1
## 12317	77.77026	0.782099	1
## 7116	108.60842	0.836736	1
## 2830	83.18591	0.488109	1
## 3299	135.75116	0.502048	-1
## 15313	126.64605	0.819479	1
## 13686	136.16264	0.697791	1
## 18912	132.83797	0.464317	1
## 3962	80.81279	0.462555	1
## 16074	98.72012	0.348809	1
## 15249	89.03328	0.382790	1
## 8659	136.55875	0.491160	-1
## 9597	112.49538	0.363316	-1
## 8111	96.30724	0.557467	1
## 8421	94.48867	0.665985	1
## 16101	101.21265	0.114786	1
## 12742	96.05409	0.625440	1

## 3671	87.71039	0.388174	1
## 6106	106.44869	0.403930	1
## 2777	140.89519	0.723885	-1
## 15492	130.33760	0.668658	1
## 13251	149.44107	0.697417	-1
## 12831	107.39578	0.417034	1
## 15653	109.36102	0.895435	1
## 1614	124.23149	0.623971	-1
## 8704	115.70791	0.613003	1
## 9799	97.90985	0.258454	-1
## 12006	127.38577	0.458916	1
## 18821	132.36348	0.596188	-1
## 17307	102.72759	0.291911	-1
## 22483	109.03694	0.490318	1
## 181	96.93759	0.543883	1
## 15395	116.19477	0.303768	1
## 4531	82.99783	0.552526	1
## 11165	119.53237	0.769272	1
## 1195	106.71149	0.487321	1
## 18776	130.10815	0.443902	-1
## 21366	132.00960	0.733597	1
## 6508	156.67886	0.782198	-1
## 12100	120.68534	0.211760	-1
## 15821	94.34283	0.583394	1
## 21316	121.78290	0.521860	-1
## 9185	114.06706	0.273841	-1
## 18782	112.85868	0.702425	-1
## 8014	135.93240	0.254481	-1
## 2835	91.59689	0.673861	1
## 1162	136.18753	0.593907	-1
## 848	105.41949	0.510478	1
## 13126	119.91286	0.204134	1
## 17476	124.30398	0.294513	1
## 16988	85.07389	0.837491	1
## 18532	127.81199	0.682537	-1
## 16998	144.85545	0.417707	1
## 15206	97.64076	0.605531	1
## 21758	145.86194	0.631359	-1
## 7343	123.67145	0.709695	1
## 16749	112.88200	0.918243	1
## 20409	123.93253	0.781662	-1
## 15941	120.35792	0.541175	-1
## 1315	101.54839	0.501934	1
## 17609	142.14288	0.878868	-1
## 19641	134.32136	0.207232	-1
## 13613	127.96147	0.230594	1
## 14417	119.72263	0.532452	-1
## 1952	113.05600	0.908239	-1
## 6945	116.20480	0.789848	1
## 19484	123.54853	0.537874	1
## 14377	119.81358	0.330435	1
## 7911	119.31294	0.302726	-1
## 6585	110.82628	0.348237	1
## 16304	118.55217	0.633675	1

## 6813	126.70297	0.604643	-1
## 492	122.68774	0.441123	1
## 19707	120.77507	0.604192	-1
## 13441	87.65913	0.126938	1
## 2986	117.49052	0.643483	-1
## 15720	130.38261	0.305803	-1
## 935	137.28796	0.397451	1
## 13400	118.98644	0.508951	1
## 2220	108.96491	0.701491	-1
## 1642	118.88522	0.795012	-1
## 999	131.45628	0.804012	-1
## 19857	132.26317	0.612176	-1
## 20758	137.41579	0.303448	-1
## 15638	139.77177	0.751932	1
## 12004	134.95027	0.636751	1
## 817	140.86446	0.838461	-1
## 22544	142.69926	0.751775	1
## 6359	97.95573	0.456073	1
## 13076	154.11543	0.725323	-1
## 2530	118.01547	0.627059	1
## 6415	136.07935	0.504701	1
## 18411	62.87505	0.654821	1
## 16297	94.33240	0.488409	1
## 15044	99.69804	0.394968	1
## 1378	104.83557	0.591650	1
## 11684	118.95028	0.581258	1
## 16204	109.37696	0.466881	1
## 196	110.67790	0.424888	1
## 5760	64.73813	0.348660	1
## 18770	148.07312	0.758964	-1
## 22256	138.05074	0.451248	1
## 13893	106.64314	0.409021	1
## 21379	134.19063	0.368441	1
## 5110	103.48229	0.306272	1
## 7976	149.65630	0.341523	-1
## 5285	99.97479	0.529396	1
## 19487	120.46835	0.352108	1
## 13567	119.98347	0.349505	1
## 21731	115.02642	0.547422	-1
## 2365	88.53291	0.869153	1
## 14074	137.41380	0.606003	-1
## 1185	123.82156	0.605865	1
## 19059	131.78670	0.373709	1
## 5699	155.53157	0.755197	-1
## 17734	98.93556	0.324677	1
## 2631	117.76771	0.686508	1
## 21501	86.60880	0.247191	-1
## 13537	131.70117	0.366747	-1
## 22530	102.57752	0.664147	1
## 3057	64.25100	0.380145	1
## 6777	88.48181	0.693392	1
## 11530	115.88586	0.770105	1
## 7285	120.56097	0.407787	1
## 13467	133.91086	0.272531	1

## 10973	99.31144	0.308314	-1
## 13698	115.28776	0.551590	1
## 314	114.88546	0.672433	1
## 15321	77.51550	0.713705	1
## 1792	147.40022	0.580081	1
## 2897	142.93802	0.462151	1
## 12875	109.85195	0.878463	1
## 2003	156.59451	0.473301	-1
## 20275	144.23648	0.311017	1
## 428	135.01065	0.761815	1
## 7200	133.37386	0.310638	-1
## 2471	148.67258	0.815684	-1
## 14133	107.73834	0.404059	1
## 16882	105.49131	0.843307	1
## 224	104.29699	0.775162	1
## 10562	88.56233	0.462518	1
## 13220	136.22258	0.291334	-1
## 22264	129.05945	0.718708	1
## 8456	154.33531	0.524179	-1
## 16064	104.13790	0.664716	1
## 3066	103.03229	0.361924	1
## 22304	107.11307	0.579833	1
## 2553	120.24179	0.406702	-1
## 15447	91.42082	0.740260	1
## 14747	117.41193	0.639805	1
## 20789	145.68574	0.705451	-1
## 14296	128.47182	0.640047	-1
## 13386	126.18401	0.656821	1
## 16134	140.68840	0.804681	1
## 16604	122.97391	0.840592	1
## 14116	122.49123	0.758221	1
## 10785	105.68579	0.341550	1
## 12562	89.52766	0.449224	1
## 14495	128.64168	0.528383	-1
## 5418	112.02975	0.257171	-1
## 7219	143.38834	0.298260	-1
## 9451	125.86293	0.278721	1
## 13508	138.04208	0.688537	-1
## 18952	126.46174	0.354236	1
## 18451	126.16862	0.279521	-1
## 11640	123.08524	0.293097	1
## 5090	115.55170	0.257722	1
## 10200	86.93508	0.468959	1
## 1343	138.01178	0.755867	-1
## 12648	125.58132	0.682190	1
## 20032	103.69630	0.799873	-1
## 16187	69.77537	0.198015	1
## 15323	135.32365	0.487065	1
## 12232	123.35956	0.187377	-1
## 19373	147.71649	0.297064	-1
## 20970	130.13704	0.822747	1
## 14773	137.08490	0.690598	1
## 20550	147.46056	0.748483	-1
## 12561	122.10329	0.653410	1

## 10910	125.92796	0.415679	1
## 2230	87.83954	0.319747	1
## 3562	97.86594	0.807605	-1
## 13932	123.77285	0.555145	1
## 18650	92.88406	0.744826	1
## 10722	92.37415	0.595677	1
## 8141	141.28709	0.400638	1
## 15833	122.95753	0.305172	-1
## 17057	130.88187	0.253974	-1
## 7498	117.37244	0.437404	1
## 15782	133.20387	0.823545	1
## 3294	106.93014	0.689550	-1
## 6297	122.04417	0.664181	-1
## 8905	117.55016	0.336457	-1
## 5691	145.67497	0.598562	-1
## 9788	135.11679	0.564551	-1
## 9141	128.46016	0.547423	-1
## 16347	128.35060	0.785072	1
## 1608	133.54553	0.735593	-1
## 21860	108.57305	0.820892	1
## 6941	72.07264	0.413424	1
## 20384	149.05171	0.698347	-1
## 14566	132.26427	0.508307	-1
## 1781	117.29728	0.769559	1
## 14159	99.83478	0.402193	-1
## 9726	127.04023	0.431004	1
## 21518	149.83775	0.382090	-1
## 14222	77.07677	0.296241	-1
## 91	102.14524	0.874818	1
## 14013	114.56941	0.653258	-1
## 11712	149.14661	0.551069	-1
## 9620	112.63411	0.517732	-1
## 16013	101.06091	0.489808	1
## 20589	124.02775	0.475050	1
## 3678	97.51352	0.894185	1
## 10262	97.53024	0.465161	1
## 6076	147.32201	0.590605	-1
## 18613	159.00552	0.772506	-1
## 14977	76.94643	0.657235	1
## 4871	126.30765	0.870883	1
## 15216	131.06993	0.571734	1
## 6868	116.30588	0.408223	1
## 10555	97.38615	0.567593	1
## 14184	138.33231	0.674011	-1
## 8707	113.04947	0.391154	1
## 1892	115.83218	0.404519	-1
## 10001	142.66931	0.780598	-1
## 20974	141.73068	0.753305	1
## 19073	118.10648	0.276807	1
## 19319	129.76523	0.294961	-1
## 17690	85.32497	0.238015	1
## 2602	137.72855	0.407470	1
## 9764	120.19295	0.575042	-1
## 11700	138.45648	0.366248	1

## 21779	125.67854	0.491142	-1
## 22241	95.53719	0.397157	1
## 357	104.18391	0.310380	1
## 12927	120.74483	0.711526	1
## 115	101.57985	0.528622	1
## 6551	114.12290	0.806162	1
## 8064	102.98219	0.475054	-1
## 9023	129.83372	0.204141	1
## 4950	123.02174	0.429246	1
## 12304	113.63130	0.638553	1
## 19547	117.46687	0.391679	1
## 2575	133.22607	0.422080	-1
## 5499	114.36339	0.574022	1
## 873	132.94801	0.626731	1
## 18993	122.32166	0.444868	1
## 11260	130.82871	0.306001	-1
## 19779	112.11668	0.165580	1
## 19633	122.43111	0.316599	-1
## 13887	112.17376	0.318426	1
## 11112	139.26900	0.742946	-1
## 5964	103.01159	0.386949	1
## 11902	179.14710	0.729051	1
## 12584	118.11711	0.296399	1
## 3508	114.74211	0.311740	1
## 16280	107.38558	0.684512	1
## 15828	96.62309	0.318654	1
## 2762	128.47771	0.463749	1
## 17465	94.58331	0.132666	1
## 10474	108.50581	0.425174	1
## 21051	117.97736	0.386791	1
## 19989	134.75525	0.572162	-1
## 21135	126.95766	0.687465	1
## 11974	105.88517	0.518275	1
## 4619	111.85973	0.348532	1
## 15851	94.16294	0.479190	-1
## 8434	114.78757	0.698504	1
## 18432	148.84665	0.536178	-1
## 7894	76.57981	0.359162	-1
## 260	126.08243	0.723700	1
## 1897	148.58670	0.785851	-1
## 16282	106.77983	0.396747	1
## 9353	135.10731	0.490424	1
## 10130	134.76480	0.390672	1
## 8192	106.56776	0.604210	1
## 18957	123.72305	0.202594	1
## 6215	128.09749	0.408009	1
## 9177	111.16434	0.348621	-1
## 14759	82.93443	0.657308	1
## 12756	103.39477	0.828651	1
## 10365	108.41576	0.650594	1
## 11151	139.77217	0.768293	-1
## 5215	118.23104	0.352867	-1
## 21151	146.60863	0.914532	1
## 13442	136.05258	0.327845	1

## 7587	132.40625	0.510077	-1
## 13933	127.40287	0.513210	1
## 3639	122.61741	0.476891	1
## 19925	119.70856	0.497776	1
## 20611	132.23851	0.498268	1
## 15203	92.25335	0.445059	1
## 15528	111.82720	0.694237	1
## 4073	98.49776	0.561143	1
## 14329	102.94581	0.159145	1
## 21876	117.47972	0.845122	1
## 7737	125.39778	0.376985	1
## 14095	138.32648	0.638988	-1
## 22390	136.71033	0.464296	-1
## 9689	114.88377	0.716032	1
## 136	119.57372	0.507269	1
## 22126	110.65820	0.725716	-1
## 19837	129.52280	0.424542	1
## 9351	127.66155	0.544678	1
## 18639	150.54050	0.706502	-1
## 20323	139.46652	0.788272	1
## 20825	99.48548	0.349732	1
## 10769	105.32227	0.485806	1
## 8954	121.44539	0.368300	-1
## 2523	87.62532	0.286032	1
## 6667	125.33436	0.698946	-1
## 4205	139.78436	0.854232	-1
## 11697	150.79788	0.320274	1
## 16726	94.69376	0.600234	1
## 13717	164.12494	0.180517	1
## 21734	105.74224	0.489014	-1
## 18366	107.27026	0.818981	1
## 4060	72.29840	0.558598	1
## 21042	112.82465	0.469237	1
## 9114	106.47826	0.494423	-1
## 8641	143.20342	0.571327	-1
## 6961	109.83352	0.257805	1
## 21804	138.89607	0.729006	-1
## 6375	132.93854	0.814490	1
## 18253	123.84075	0.420459	1
## 18096	155.82194	0.731637	-1
## 20708	146.44449	0.533125	-1
## 21893	150.59784	0.615662	-1
## 10371	129.36337	0.814239	1
## 9886	109.35926	0.323601	1
## 2108	121.13808	0.707882	-1
## 874	116.01466	0.621349	1
## 13545	119.05341	0.604174	1
## 5578	132.36793	0.329562	-1
## 19892	112.40707	0.243512	1
## 4625	88.06149	0.801455	1
## 6012	101.89760	0.838588	1
## 21675	104.08330	0.440441	1
## 7590	117.86244	0.516290	-1
## 2851	105.37550	0.427938	1

## 17927	156.54436	0.512888	-1
## 11496	101.10686	0.748054	1
## 9772	121.45502	0.228610	-1
## 17371	91.34324	0.555785	1
## 2685	115.60860	0.297622	-1
## 14199	126.27103	0.499551	-1
## 9979	120.77510	0.223047	-1
## 19621	122.98336	0.168451	-1
## 13634	107.85885	0.368841	1
## 12379	132.27324	0.511063	-1
## 21673	127.01859	0.389998	1
## 7115	105.85132	0.589585	1
## 10866	90.32680	0.612573	1
## 11108	131.10725	0.354726	-1
## 8033	121.66601	0.535333	-1
## 2462	134.90048	0.814961	-1
## 18982	111.03424	0.275400	-1
## 19718	105.36021	0.410046	-1
## 869	127.89123	0.600424	1
## 15839	109.98145	0.327097	-1
## 15648	110.07941	0.506704	1
## 5204	117.36433	0.642532	1
## 7606	129.75938	0.526900	1
## 2069	112.32202	0.627464	1
## 10991	129.61819	0.152382	-1
## 15928	125.49114	0.593764	-1
## 3718	139.70493	0.916944	-1
## 12130	98.13967	0.179250	-1
## 12663	103.26424	0.602707	1
## 8751	89.09736	0.537503	1
## 19460	125.09645	0.246785	1
## 4648	98.56560	0.488213	1
## 13154	137.60673	0.497105	1
## 5094	117.13691	0.848631	1
## 7338	105.43297	0.629883	1
## 1245	133.87706	0.982421	-1
## 273	135.04073	0.406840	1
## 16929	93.78719	0.712245	1
## 11999	130.29776	0.573950	1
## 4628	88.29367	0.671149	1
## 15139	113.08152	0.538762	1
## 7867	125.05254	0.716244	1
## 7250	137.75369	0.665545	1
## 4226	105.95994	0.917338	-1
## 5439	137.94406	0.191778	1
## 17644	127.83719	0.699037	1
## 12064	125.62923	0.434844	1
## 726	129.20299	0.536641	1
## 21538	129.40512	0.256723	-1
## 15398	128.98431	0.831694	1
## 9304	143.33350	0.780302	1
## 8756	130.44904	0.783730	1
## 3465	92.69801	0.551231	1
## 17383	123.44330	0.489661	1

## 13157	142.77145	0.496244	1
## 15196	141.28197	0.666373	1
## 18765	106.72989	0.260322	-1
## 110	77.11111	0.459774	1
## 6713	142.10284	0.539862	-1
## 5283	115.43787	0.723462	1
## 19793	136.90210	0.513425	1
## 5357	144.82816	0.567857	-1
## 21796	138.98111	0.770174	-1
## 10915	114.22491	0.430905	1
## 4078	75.96534	0.504748	1
## 808	141.71646	0.681845	-1
## 3550	117.86362	0.949365	1
## 10493	98.04990	0.862747	1
## 8118	129.31108	0.622621	1
## 9481	137.55633	0.505490	1
## 1861	101.12160	0.726866	1
## 11956	99.49076	0.693150	1
## 7434	90.34006	0.446035	1
## 21534	135.20250	0.755494	-1
## 7106	103.58174	0.851969	1
## 3949	121.47479	0.532967	1
## 2661	122.27884	0.760231	-1
## 10777	107.27406	0.295393	1
## 6643	132.99471	0.431601	-1
## 4269	131.18013	0.535408	1
## 14053	135.12350	0.493743	-1
## 321	127.84875	0.235329	1
## 11092	143.89714	0.740831	-1
## 21989	109.21367	0.348253	1
## 10145	152.64200	0.591646	1
## 901	137.76921	0.938325	-1
## 4481	125.95402	0.563725	1
## 17862	109.01939	0.810136	1
## 3577	148.14336	0.945611	-1
## 16932	91.49547	0.665001	1
## 6550	95.29632	0.847021	1
## 11987	103.38945	0.550964	1
## 10303	99.17122	0.615557	1
## 15426	72.81585	0.593559	1
## 8755	132.90710	0.650053	1
## 12095	138.89769	0.260852	-1
## 5581	137.47829	0.524016	-1
## 20290	142.03697	0.612558	1
## 12071	120.20000	0.350173	1
## 5606	134.50961	0.322161	-1
## 4390	137.85584	0.460988	-1
## 16808	97.62532	0.886501	1
## 380	117.33678	0.493039	1
## 5454	81.44934	0.449944	1
## 10325	90.31162	0.526851	1
## 19184	111.74624	0.213475	1
## 14262	143.98634	0.510256	-1
## 2930	123.21940	0.752458	1

## 143	117.14317	0.416824	1
## 20679	133.37099	0.534095	-1
## 18668	107.05591	0.245654	1
## 9059	126.16728	0.814998	1
## 19506	131.28862	0.876712	-1
## 15413	89.57781	0.610242	1
## 21957	148.99081	0.712981	-1
## 6807	123.88753	0.656778	-1
## 15801	87.30069	0.600464	1
## 5696	134.69424	0.354037	-1
## 3474	97.34672	0.787978	1
## 21499	131.31316	0.466328	-1
## 7683	143.29263	0.673296	1
## 1356	106.58832	0.290880	1
## 22258	128.45148	0.721861	1
## 1624	126.37643	0.772924	-1
## 1878	102.10060	0.739663	1
## 3822	102.77896	0.800610	-1
## 19117	85.30875	0.273366	1
## 12693	118.89048	0.807253	1
## 18041	102.20177	0.668549	1
## 21003	111.60529	0.256575	1
## 12053	134.52339	0.773015	1
## 1264	143.82958	0.770577	-1
## 20308	153.02622	0.713256	1
## 599	78.51248	0.558499	1
## 8991	127.48064	0.373469	-1
## 15919	95.62393	0.525797	-1
## 1381	116.34673	0.690748	1
## 8243	148.41656	0.644590	-1
## 14928	82.04821	0.165768	1
## 18027	84.59565	0.572885	1
## 19585	107.12926	0.268504	-1
## 1280	95.28584	0.477388	1
## 2656	118.32526	0.853622	-1
## 9083	110.16953	0.325242	1
## 18893	114.44455	0.401193	1
## 15487	80.99867	0.729092	1
## 13458	105.82078	0.256190	1
## 16530	102.03660	0.397249	1
## 8251	125.40800	0.273854	-1
## 1065	111.05911	0.715995	-1
## 10737	102.38683	0.517881	1
## 18390	124.78155	0.341524	1
## 1350	122.44221	0.814830	-1
## 21194	102.89871	0.492821	-1
## 11150	142.40549	0.789428	-1
## 17252	123.41864	0.407088	-1
## 8652	148.83787	0.619763	-1
## 8876	143.43967	0.746553	-1
## 6454	124.23882	0.274435	1
## 1812	113.32806	0.818238	-1
## 18557	134.98804	0.752463	-1
## 6095	101.42456	0.314985	1

## 15686	97.95798	0.510023	1
## 3873	121.09335	0.480658	1
## 8343	98.70629	0.279766	1
## 142	92.86983	0.458822	1
## 2840	90.18855	0.641438	1
## 17999	129.15143	0.576754	1
## 9127	116.12827	0.366194	-1
## 4094	98.61134	0.267650	1
## 19516	108.84457	0.290429	-1
## 15341	109.91550	0.713193	1
## 14596	128.59076	0.546023	-1
## 4761	119.97177	0.621815	1
## 17486	127.59698	0.434449	1
## 21754	106.51718	0.501623	-1
## 21965	96.24227	0.275808	1
## 15817	101.39226	0.414971	1
## 22289	87.59056	0.573932	1
## 6737	126.84026	0.382967	-1
## 20378	142.66019	0.699930	-1
## 12585	91.81345	0.286599	1
## 21397	151.65056	0.105552	1
## 1110	113.19595	0.663920	1
## 9276	125.16386	0.155407	1
## 7224	129.66374	0.564212	-1
## 20702	123.39232	0.366171	-1
## 14518	133.06680	0.235893	-1
## 1147	129.96916	0.845724	-1
## 7839	97.74397	0.446008	1
## 18384	102.98395	0.429001	1
## 12989	99.58507	0.464821	1
## 17788	104.62446	0.455334	1
## 1513	127.63855	0.636820	-1
## 4725	75.78304	0.258828	1
## 19748	116.97798	0.569542	-1
## 5279	103.87421	0.342050	1
## 16807	138.66615	0.750533	1
## 10326	115.57571	0.611126	1
## 2305	131.51205	0.797103	-1
## 227	99.82745	0.550998	1
## 678	131.27469	0.715321	1
## 1014	131.35879	0.760517	-1
## 21633	108.94556	0.570760	1
## 15681	138.41650	0.520769	1
## 11590	118.41331	0.780961	1
## 19140	125.05825	0.738937	1
## 1851	132.33096	0.718764	1
## 9972	143.30319	0.408757	-1
## 6327	144.14535	0.725235	-1
## 7771	113.97927	0.404424	1
## 11038	101.44850	0.679146	-1
## 21819	91.06077	0.636697	1
## 21761	138.21585	0.698966	-1
## 6179	93.71726	0.433205	1
## 12348	147.37589	0.759043	-1

## 19336	123.69545	0.238781	-1
## 5782	130.99049	0.583927	1
## 15519	130.18802	0.431366	1
## 2413	94.63779	0.500143	1
## 238	84.03644	0.279976	1
## 13492	146.11650	0.773802	-1
## 12323	114.05460	0.588695	1
## 10225	137.36487	0.613668	1
## 1709	149.96194	0.877610	-1
## 14675	118.73337	0.825201	1
## 6284	144.87578	0.759747	-1
## 6921	130.89017	0.808713	1
## 4453	108.38441	0.913657	1
## 9287	136.19514	0.465948	1
## 8520	119.84705	0.200860	1
## 16681	84.75840	0.345507	1
## 9819	120.68173	0.309658	1
## 918	124.61586	0.325485	-1
## 6118	95.92607	0.302469	1
## 6654	123.61421	0.463324	-1
## 6046	140.31076	0.601881	-1
## 19457	136.36291	0.370078	1
## 2056	121.93671	0.675238	1
## 7615	87.65898	0.198436	1
## 10986	140.30659	0.368323	-1
## 9339	121.07165	0.293881	1
## 11690	132.18114	0.774175	1
## 14431	127.48062	0.334178	-1
## 17949	150.89212	0.656415	-1
## 9049	149.06619	0.512814	1
## 5981	129.14223	0.296697	1
## 22103	106.24096	0.479783	-1
## 19075	98.41759	0.145973	1
## 22215	124.79356	0.292384	-1
## 15177	87.82388	0.556760	1
## 22128	101.85321	0.694120	-1
## 8677	131.24184	0.467113	1
## 4498	102.37869	0.532006	1
## 15091	87.31688	0.455468	1
## 6987	134.67741	0.421455	1
## 20381	148.58269	0.692873	-1
## 16920	102.38828	0.597238	1
## 7714	97.73899	0.310789	1
## 16053	112.07724	0.796162	1
## 8720	125.96531	0.895547	1
## 12451	123.56710	0.771113	1
## 405	133.71303	0.559123	1
## 19082	108.52728	0.218761	1
## 9951	125.27064	0.378333	-1
## 1635	114.01921	0.660976	-1
## 11864	144.02263	0.481288	1
## 12835	92.81458	0.442844	1
## 9749	135.36163	0.287122	1
## 16575	107.04040	0.750982	1

## 10460	86.73981	0.557188	1
## 6930	121.70615	0.622369	1
## 14745	109.96027	0.494931	1
## 6377	119.54369	0.423247	1
## 16862	103.20335	0.617883	1
## 7012	149.14046	0.666481	-1
## 21504	139.77751	0.417794	-1
## 1903	112.13465	0.826510	-1
## 17984	84.41334	0.584815	1
## 8686	132.47545	0.445122	1
## 7404	126.49839	0.716944	1
## 9746	139.98018	0.273730	1
## 11220	130.89096	0.233893	-1
## 16507	101.24810	0.414754	1
## 2764	116.65614	0.707109	1
## 3052	108.53786	0.651940	1
## 2319	116.30853	0.630597	-1
## 17213	155.49246	0.662971	-1
## 3871	115.63180	0.511242	1
## 11082	119.13300	0.219068	-1
## 9763	125.57296	0.579356	-1
## 6652	145.03737	0.453649	-1
## 13836	98.82463	0.331794	1
## 15891	115.25925	0.843101	-1
## 9825	123.68185	0.517284	1
## 17248	125.25704	0.282394	-1
## 629	123.28501	0.466196	1
## 6821	95.04077	0.401249	-1
## 5120	135.46346	0.693540	-1
## 4817	97.86677	0.625276	1
## 7788	93.90900	0.418585	1
## 14227	125.17508	0.343822	-1
## 19599	119.91570	0.733172	-1
## 1093	117.13031	0.498288	1
## 21075	141.25624	0.689033	1
## 7093	112.56605	0.541028	1
## 2929	122.08720	0.671747	1
## 4470	128.19237	0.625489	1
## 1552	131.72478	0.789809	-1
## 20600	98.08945	0.532399	1
## 2215	98.16619	0.679915	-1
## 10993	131.50758	0.321726	-1
## 7204	141.67419	0.382815	-1
## 4201	104.27737	0.734818	-1
## 8466	150.65958	0.536125	-1
## 2439	101.53519	0.375066	1
## 12170	120.41209	0.125279	-1
## 9456	105.32546	0.470368	1
## 8209	104.75284	0.463087	1
## 18125	140.50034	0.757838	-1
## 10619	88.77865	0.290359	1
## 21480	90.65504	0.359136	-1
## 9174	129.61853	0.285211	-1
## 19919	129.07533	0.752149	1

## 3603	109.41139	0.927950	-1
## 11980	118.00173	0.453010	1
## 5894	160.54915	0.730560	-1
## 14461	131.93489	0.354876	-1
## 15921	127.93954	0.783220	-1
## 13632	109.24538	0.440313	1
## 469	126.77898	0.465913	1
## 1184	109.37030	0.279908	1
## 3205	126.36569	0.554299	-1
## 10742	130.67423	0.556423	1
## 17654	125.66114	0.458378	1
## 20621	130.43455	0.787432	1
## 5528	96.81262	0.333389	-1
## 13288	143.64094	0.237187	-1
## 19050	142.33287	0.655243	1
## 4519	109.24549	0.524780	1
## 15537	72.76894	0.388961	1
## 8453	116.51143	0.455736	1
## 19034	122.51101	0.461423	1
## 10845	62.36073	0.606130	1
## 17777	138.23085	0.509978	1
## 1798	135.31551	0.797063	-1
## 5896	145.74146	0.659487	-1
## 2853	126.90832	0.648763	1
## 19709	97.15933	0.506190	-1
## 1169	104.61657	0.696138	-1
## 3629	97.09881	0.303692	1
## 18420	113.28900	0.555911	-1
## 1984	143.17584	0.788619	-1
## 6025	153.90472	0.788458	-1
## 18980	148.16226	0.464561	-1
## 17458	127.00407	0.520459	-1
## 15238	96.09704	0.343205	1
## 5336	111.80953	0.481118	-1
## 16730	114.73785	0.705775	1
## 2285	84.75451	0.502052	1
## 15222	107.59108	0.393058	1
## 13365	122.72544	0.108316	1
## 12813	97.12060	0.406698	1
## 5746	127.08788	0.136333	1
## 16511	115.03545	0.596312	1
## 5973	160.85890	0.542013	1
## 17744	146.80656	0.644310	-1
## 13016	134.44167	0.867671	1
## 8934	109.02970	0.880545	-1
## 3821	105.95610	0.833791	-1
## 21924	151.55449	0.683639	-1
## 11658	132.16037	0.418401	1
## 5938	144.59523	0.754247	1
## 20737	133.07719	0.569206	-1
## 16375	133.53284	0.505632	1
## 16251	73.40781	0.642860	1
## 22438	129.19278	0.640450	-1
## 5413	117.75388	0.520267	-1

## 21337	119.57663	0.515206	1
## 13361	110.20136	0.395468	1
## 1567	130.63197	0.819406	-1
## 15110	105.08572	0.725068	1
## 10764	114.93031	0.752420	1
## 20145	127.37825	0.327102	1
## 14986	145.55194	0.853146	1
## 18050	99.10377	0.700844	1
## 4830	110.45427	0.298434	1
## 17178	97.23531	0.413778	1
## 21523	132.46161	0.408845	-1
## 1476	101.12192	0.342760	1
## 3967	100.16287	0.938916	1
## 5398	148.55475	0.420208	-1
## 2754	125.49529	0.369338	1
## 12801	100.74585	0.373915	1
## 8351	91.21098	0.439461	1
## 2265	81.16386	0.415603	1
## 5236	110.10017	0.664035	-1
## 12599	124.69603	0.692947	1
## 8529	137.13054	0.590817	1
## 22180	107.49762	0.432564	1
## 8067	148.16737	0.472075	-1
## 171	96.32066	0.764017	1
## 4285	114.16600	0.602423	1
## 22527	107.62231	0.529738	1
## 20468	145.02179	0.560141	-1
## 17829	111.59332	0.837823	1
## 3676	113.08785	0.854357	1
## 4101	86.90705	0.487414	1
## 22541	136.46684	0.377947	1
## 13792	127.54435	0.755411	1
## 22538	129.78998	0.366130	1
## 19578	115.56295	0.223455	-1
## 6707	127.65574	0.675944	-1
## 21368	126.59438	0.822725	1
## 14565	129.79572	0.543088	-1
## 13760	106.23611	0.150324	-1
## 8341	75.09572	0.837359	1
## 9940	138.50200	0.315308	-1
## 14848	128.84918	0.796760	1
## 9743	130.64847	0.828717	1
## 19533	133.36333	0.649773	-1
## 14574	146.06168	0.297050	-1
## 3806	113.52071	0.635672	1
## 19081	126.51688	0.418979	1
## 7409	126.47827	0.388077	1
## 1515	132.64533	0.778822	-1
## 19191	114.79363	0.462477	1
## 19038	139.47633	0.659417	1
## 7983	143.98524	0.710665	-1
## 6655	132.90373	0.518131	-1
## 6233	107.85882	0.524458	1
## 4928	111.65609	0.826169	1

## 13047	105.98444	0.470455	1
## 8611	124.48164	0.522690	-1
## 2973	129.10881	0.849033	-1
## 3555	108.95360	0.801657	-1
## 1827	108.08155	0.830994	1
## 3426	120.17072	0.532643	-1
## 6806	134.59145	0.580214	-1
## 2911	99.34300	0.450361	1
## 9466	103.13441	0.749979	1
## 1300	144.38451	0.336546	1
## 16719	131.59244	0.821727	1
## 18391	118.70208	0.689081	1
## 13831	120.83593	0.229520	1
## 7556	128.38553	0.462772	-1
## 1318	124.37769	0.469585	1
## 19261	130.31384	0.539341	-1
## 6609	136.04944	0.575747	1
## 16484	105.54982	0.512949	1
## 3657	122.10300	0.637838	1
## 11284	106.75301	0.663626	1
## 1083	130.10886	0.811090	1
## 21251	114.65286	0.428934	-1
## 13162	132.69180	0.780165	1
## 18920	140.80980	0.505101	1
## 8998	108.39841	0.451805	-1
## 4468	103.94524	0.560407	1
## 17315	124.45046	0.793344	-1
## 12336	141.40665	0.615808	-1
## 7441	125.04802	0.705933	1
## 4810	90.14749	0.298028	1
## 4819	91.61769	0.747354	1
## 7430	140.10979	0.792794	1
## 12427	109.85476	0.420178	1
## 19812	127.20883	0.640893	1
## 10304	81.84609	0.774832	1
## 5703	158.16208	0.732002	-1
## 11270	136.98566	0.694036	-1
## 7975	132.86453	0.309591	-1
## 5071	115.94878	0.833524	1
## 2694	115.21743	0.779557	-1
## 7184	122.02560	0.581306	1
## 6044	143.82205	0.737897	-1
## 17262	84.70534	0.347087	-1
## 10045	143.41603	0.378902	-1
## 12918	105.47001	0.430120	1
## 2954	122.99828	0.877389	1
## 18113	133.13650	0.713682	-1
## 10838	85.16554	0.604768	1
## 3770	96.45729	0.482856	1
## 8258	155.99854	0.678178	-1
## 1212	120.94455	0.574936	1
## 1873	104.32027	0.379618	1
## 20761	146.51276	0.679136	-1
## 15297	142.79681	0.752550	1

## 20138	111.98283	0.287698	1
## 9920	132.46393	0.852278	1
## 3521	123.10586	0.476626	1
## 9274	108.21390	0.225637	1
## 21141	140.04660	0.832042	1
## 4152	123.94585	0.415924	-1
## 4610	124.37761	0.514452	1
## 18053	90.94495	0.241612	1
## 6852	117.43791	0.625361	1
## 346	160.55588	0.495608	1
## 21565	121.31564	0.314890	-1
## 8477	135.30699	0.636919	-1
## 20560	97.09811	0.742553	1
## 14104	119.65422	0.309869	-1
## 18304	154.28979	0.732143	-1
## 19295	130.83803	0.407999	-1
## 1561	131.85098	0.370273	-1
## 16746	119.54330	0.477894	1
## 4973	122.95344	0.511048	1
## 9745	123.81267	0.693828	1
## 2213	131.60091	0.375130	-1
## 1692	113.21574	0.809237	-1
## 17869	93.87457	0.368810	1
## 2527	118.11516	0.375542	1
## 16048	86.67481	0.355540	1
## 22313	104.07002	0.736401	1
## 2831	86.18400	0.316777	1
## 13219	118.86952	0.450897	-1
## 904	133.23621	0.784175	-1
## 5613	139.32362	0.345554	-1
## 1079	88.52344	0.878246	1
## 7457	111.72897	0.309395	1
## 21792	113.33273	0.361631	-1
## 10861	117.25928	0.513227	1
## 2116	132.07349	0.498717	-1
## 2686	129.79129	0.407141	-1
## 3363	140.54335	0.604751	1
## 3048	128.79622	0.782426	1
## 11618	113.59274	0.384746	1
## 22455	135.22873	0.499865	-1
## 10881	108.09330	0.505624	1
## 4980	130.34471	0.658180	1
## 4549	87.62160	0.787026	1
## 5854	146.02832	0.681129	-1
## 3216	116.56436	0.901961	-1
## 6210	94.87210	0.457950	1
## 8038	141.32567	0.250318	-1
## 9413	110.95520	0.460476	-1
## 7096	131.48717	0.903668	1
## 6132	101.08600	0.417343	1
## 15424	111.08291	0.447775	1
## 21921	149.57506	0.789457	-1
## 4027	119.98019	0.692582	-1
## 20396	102.04295	0.547036	-1

## 14828	136.14450	0.691086	1
## 4581	127.22179	0.408028	1
## 6022	132.89722	0.527827	1
## 7323	172.46379	0.514269	1
## 11147	142.46905	0.725318	-1
## 7629	120.12951	0.667024	1
## 9528	125.00914	0.401704	1
## 21142	131.38327	0.438987	1
## 17387	96.28496	0.298840	1
## 19121	107.78719	0.519664	1
## 17439	140.17746	0.573724	-1
## 5645	147.03145	0.782795	-1
## 15023	81.32204	0.338560	1
## 13354	107.08045	0.122317	1
## 1934	115.33903	0.589428	-1
## 15060	113.38822	0.412025	1
## 7302	118.00051	0.925940	1
## 12318	81.36060	0.557078	1
## 5249	119.09174	0.531457	1
## 3825	144.59718	0.839947	-1
## 9889	113.96983	0.305532	1
## 22148	96.99903	0.517245	-1
## 290	135.02112	0.626587	1
## 8335	121.38339	0.393016	1
## 4900	96.79553	0.270059	1
## 9499	123.95505	0.193942	1
## 12178	167.10922	0.137010	-1
## 12415	85.13948	0.682077	1
## 15277	115.80704	0.506687	1
## 9668	112.17078	0.465144	1
## 1570	124.14481	0.749445	-1
## 20041	102.05569	0.313018	-1
## 4139	93.41845	0.461557	1
## 22130	94.68083	0.312006	-1
## 3692	120.31183	0.645647	1
## 9766	161.53726	0.618449	-1
## 11132	148.93060	0.756193	-1
## 5331	127.13985	0.375095	-1
## 4428	94.78494	0.772315	1
## 6979	84.14198	0.739944	1
## 10793	152.16351	0.454312	1
## 13274	146.03940	0.619014	-1
## 10761	132.34255	0.366710	1
## 14357	141.20396	0.752332	1
## 11482	93.89101	0.403437	1
## 18163	126.94201	0.476754	1
## 2935	123.86846	0.618570	1
## 19012	88.92876	0.271682	1
## 2324	130.02617	0.704162	-1
## 14062	144.71338	0.777372	-1
## 12535	127.58819	0.316586	1
## 10880	94.04138	0.858835	1
## 19469	141.42755	0.324121	1
## 8354	133.14011	0.474964	1

## 16967	114.17109	0.812773	1
## 11603	131.77104	0.657401	1
## 2979	138.82396	0.542529	-1
## 7704	147.40967	0.624923	-1
## 7350	90.75154	0.590484	1
## 19963	127.56981	0.321244	1
## 20460	148.66763	0.723288	-1
## 18108	160.18514	0.657092	-1
## 10119	143.70699	0.666354	1
## 3293	140.73483	0.761533	-1
## 8832	120.20586	0.505922	1
## 10780	126.04182	0.229353	1
## 18355	109.10913	0.374876	1
## 2309	133.78415	0.475708	-1
## 7076	89.94936	0.511858	1
## 4232	139.20984	0.488269	-1
## 9515	104.58211	0.097624	1
## 396	105.42242	0.711929	1
## 9977	128.86316	0.647318	-1
## 11724	149.17232	0.635336	-1
## 1823	142.50871	0.807137	-1
## 6789	145.27359	0.454874	1
## 7654	104.33736	0.770149	1
## 3396	85.09700	0.757490	1
## 2484	135.98935	0.504267	1
## 7557	134.35370	0.373261	-1
## 5506	89.34244	0.584813	1
## 8778	91.69539	0.485109	1
## 340	111.56382	0.211041	1
## 5660	124.91908	0.589595	-1
## 16453	98.67071	0.852146	1
## 1100	98.88113	0.598424	1
## 10663	89.25033	0.774631	1
## 15460	134.84532	0.806487	1
## 5234	95.35786	0.359616	-1
## 1510	121.68385	0.806675	-1
## 20019	133.24535	0.674330	-1
## 12740	99.47934	0.396544	1
## 6223	108.34016	0.806967	1
## 707	122.40212	0.840359	-1
## 20046	109.29349	0.291970	-1
## 21827	98.92583	0.300117	1
## 11206	149.94249	0.517702	-1
## 2883	128.28795	0.873245	1
## 20643	110.02966	0.335562	1
## 13323	142.71433	0.695437	-1
## 1921	95.66600	0.282661	-1
## 201	100.78188	0.649379	1
## 18083	102.36536	0.544381	-1
## 14939	127.81715	0.662068	1
## 6908	139.70393	0.509660	1
## 6593	82.93370	0.760084	1
## 20361	131.48524	0.758866	-1
## 5013	81.03446	0.711750	1

## 6656	105.34754	0.409188	-1
## 21736	114.61088	0.820967	-1
## 9674	116.07852	0.660460	1
## 20189	112.53983	0.441023	1
## 21487	136.43265	0.501762	-1
## 5045	102.31561	0.810447	1
## 13050	101.00028	0.488470	1
## 10232	99.49237	0.624094	1
## 10887	90.61501	0.594038	1
## 14767	101.92606	0.599755	1
## 10524	104.62647	0.713792	1
## 16379	100.07572	0.415393	1
## 19673	106.65966	0.124267	-1
## 18026	119.84315	0.510078	1
## 12616	106.62163	0.707896	1
## 14114	86.17946	0.791842	1
## 8530	100.58739	0.523328	1
## 1365	141.79105	0.576117	1
## 20157	131.77020	0.513117	1
## 14273	117.54626	0.318471	-1
## 6503	147.84085	0.788166	-1
## 21089	136.95949	0.344003	1
## 8974	136.72836	0.669563	-1
## 20173	120.93372	0.406747	1
## 9004	87.72618	0.378170	-1
## 13364	115.44350	0.122920	1
## 3701	145.98230	0.602855	-1
## 1595	109.20450	0.748593	-1
## 19470	112.55820	0.176563	1
## 21905	130.75507	0.858593	-1
## 7552	131.02856	0.462589	-1
## 11330	133.89061	0.292950	1
## 14134	118.51201	0.522470	1
## 10662	103.06149	0.686823	1
## 2509	82.80755	0.326530	1
## 18109	129.33609	0.376465	-1
## 7389	157.11999	0.573946	-1
## 5957	99.46759	0.558956	1
## 19275	107.26453	0.536794	-1
## 8983	145.92232	0.634178	-1
## 5017	93.25613	0.725882	1
## 21559	135.43883	0.313858	-1
## 11711	141.78276	0.468715	-1
## 1450	117.48989	0.300472	1
## 21312	101.80009	0.832873	-1
## 7069	132.91789	0.697002	1
## 15130	86.44101	0.518402	1
## 3815	112.95951	0.938174	-1
## 4076	70.47892	0.386685	1
## 16560	120.60864	0.438517	1
## 12821	101.81564	0.496240	1
## 1111	110.30598	0.807034	1
## 15823	89.86937	0.706587	1
## 3564	113.34348	0.700217	-1

## 19810	140.80957	0.502760	1
## 17492	138.08147	0.228929	1
## 3429	102.85926	0.930370	-1
## 5196	118.28268	0.566865	1
## 19465	149.49234	0.385954	1
## 5118	145.75398	0.792756	-1
## 18662	89.95546	0.400969	1
## 2526	111.55214	0.393069	1
## 7021	159.68472	0.702165	-1
## 2967	137.29532	0.846649	1
## 4522	92.16515	0.278716	1
## 4582	102.36131	0.588432	1
## 8167	111.39681	0.659776	1
## 20512	141.78036	0.624823	-1
## 15115	131.29996	0.828059	1
## 9692	143.20761	0.377237	1
## 8970	145.79486	0.703295	-1
## 15343	96.02488	0.606592	1
## 10183	89.38694	0.282084	1
## 5674	119.76321	0.731451	-1
## 3224	115.58978	0.952108	-1
## 6049	152.42255	0.734983	-1
## 22303	81.85143	0.559604	1
## 3257	129.21799	0.821226	-1
## 5508	112.88564	0.803256	1
## 6368	99.54458	0.225836	1
## 6517	132.49867	0.467596	-1
## 11407	87.91824	0.569860	1
## 19223	127.12241	0.434812	1
## 19917	96.58218	0.611398	1
## 11307	83.41230	0.390265	1
## 14989	95.04240	0.489862	1
## 18757	123.97700	0.487284	-1
## 11162	102.55229	0.608352	1
## 3542	126.83968	0.440285	1
## 21514	130.79462	0.445146	-1
## 16383	95.96526	0.291080	1
## 3689	127.07866	0.586410	1
## 17125	114.45129	0.526644	-1
## 11061	135.60515	0.320105	-1
## 6459	130.09122	0.277582	1
## 19339	147.62416	0.240226	-1
## 18631	145.74764	0.531037	-1
## 9286	105.28329	0.750941	1
## 15009	89.56248	0.459942	1
## 6520	128.96774	0.348063	-1
## 6356	122.66270	0.628934	1
## 20810	123.53750	0.303007	1
## 10637	84.83778	0.258121	1
## 5402	139.39610	0.764089	-1
## 15566	113.41911	0.588404	1
## 18110	138.86505	0.666814	-1
## 9368	113.69118	0.256808	1
## 20306	144.68666	0.742529	1

## 8591	133.66237	0.440165	1
## 1066	109.87029	0.593504	-1
## 18956	120.25234	0.326238	1
## 20211	139.47716	0.607736	1
## 4706	89.01459	0.542955	1
## 8316	93.64334	0.604383	1
## 3721	121.67709	0.686609	-1
## 19396	119.93739	0.766818	-1
## 10133	124.72258	0.387792	1
## 19485	128.69092	0.422613	1
## 11984	98.85732	0.350719	1
## 4343	132.13637	0.527995	-1
## 14226	92.15813	0.312918	-1
## 21114	140.70207	0.384003	1
## 15773	134.33450	0.439446	1
## 2622	101.27164	0.403370	1
## 12047	95.54087	0.640023	1
## 10475	113.05115	0.672963	1
## 1554	95.13584	0.626672	-1
## 10891	95.44975	0.452602	1
## 14115	129.49492	0.633905	1
## 11138	143.41957	0.623999	-1
## 15867	127.26681	0.279811	-1
## 15713	145.98116	0.362444	-1
## 2544	126.84360	0.609100	-1
## 17573	119.76730	0.385462	-1
## 4117	112.86201	0.318123	1
## 8261	144.05716	0.239066	-1
## 11561	121.75030	0.254515	1
## 15361	137.24519	0.853562	1
## 15783	134.76724	0.827707	1
## 12696	120.59084	0.614382	1
## 19248	131.03653	0.454155	-1
## 5365	127.41142	0.274036	-1
## 1412	138.99112	0.487783	-1
## 9621	135.51443	0.327942	-1
## 8657	134.22041	0.689157	-1
## 8713	125.96745	0.657853	1
## 14801	84.97079	0.627413	1
## 9616	108.46007	0.153392	-1
## 17759	146.07788	0.665813	-1
## 15699	119.02772	0.313432	-1
## 21493	113.93543	0.642240	-1
## 15380	129.80617	0.570403	1
## 19507	147.23753	0.477359	-1
## 22037	135.38046	0.754642	-1
## 1914	78.46659	0.345775	-1
## 12349	144.64137	0.759626	-1
## 3180	88.35747	0.419042	1
## 9660	126.85571	0.396192	1
## 10932	125.61090	0.334116	1
## 20672	113.73211	0.229624	-1
## 3504	103.89171	0.464030	1
## 18122	146.40927	0.624915	-1

## 21417	125.61015	0.251285	1
## 9570	107.37222	0.628622	-1
## 13107	97.11591	0.528645	1
## 1553	119.50647	0.818986	-1
## 11319	135.66481	0.424632	1
## 10560	96.21603	0.349528	1
## 15574	111.30907	0.524168	1
## 16652	98.95815	0.641498	1
## 2328	128.65723	0.702890	-1
## 19651	96.98201	0.165855	-1
## 8447	103.28655	0.812204	1
## 7360	138.93274	0.557359	-1
## 716	130.37968	0.481274	-1
## 10646	111.63247	0.687857	1
## 19367	126.15638	0.363159	-1
## 14093	146.86160	0.815653	-1
## 18547	121.20612	0.289026	-1
## 739	91.15610	0.307662	1
## 8927	131.07016	0.609341	-1
## 9013	132.23434	0.598600	1
## 18953	120.49108	0.142487	1
## 9264	88.81786	0.201148	1
## 20843	116.23561	0.666151	1
## 16526	127.41467	0.626276	1
## 16697	122.71762	0.899328	1
## 16439	109.20917	0.558623	1
## 20978	126.12898	0.708664	1
## 15211	113.88641	0.446402	1
## 12270	125.57770	0.506792	-1
## 2548	131.03690	0.427780	-1
## 20657	129.86484	0.250042	1
## 17116	148.38444	0.725022	-1
## 22457	126.71051	0.455585	-1
## 6694	126.14289	0.386193	-1
## 19226	136.95308	0.785012	1
## 20980	139.16261	0.911305	1
## 1559	140.27277	0.868749	-1
## 9439	85.24351	0.405674	-1
## 7884	93.38987	0.544238	-1
## 9871	131.68016	0.250666	1
## 16145	94.66174	0.452520	1
## 16747	108.51804	0.635990	1
## 8938	106.93130	0.375969	-1
## 10554	113.80486	0.514019	1
## 15457	118.87141	0.790692	1
## 3675	82.17014	0.845397	1
## 20556	124.19554	0.677106	1
## 16579	119.73958	0.646047	1
## 17161	121.21584	0.233769	-1
## 8130	76.32069	0.536956	1
## 11519	84.46420	0.805884	1
## 17385	95.84299	0.543946	1
## 3532	81.63961	0.361138	1
## 5315	133.67169	0.618350	1

## 12749	105.73194	0.781936	1
## 10618	82.96256	0.627455	1
## 9733	149.66937	0.570496	1
## 7474	109.77081	0.523742	1
## 16761	100.67525	0.736148	1
## 394	108.14938	0.401801	1
## 7332	95.95283	0.574830	1
## 1566	114.34332	0.880831	-1
## 3434	127.66943	0.647431	-1
## 12889	87.59926	0.406612	1
## 2441	105.72183	0.340089	1
## 6041	146.76800	0.709984	-1
## 19178	123.13429	0.270669	1
## 7595	135.35965	0.654641	-1
## 14274	116.50701	0.398473	-1
## 6055	149.14188	0.741009	-1
## 6110	83.17420	0.683107	1
## 10664	107.83383	0.747780	1
## 324	155.16086	0.216591	1
## 15282	129.38623	0.316170	1
## 12141	84.13133	0.111659	-1
## 11164	118.47947	0.527207	1
## 15454	113.16718	0.602182	1
## 14715	75.97196	0.618156	1
## 21943	152.48486	0.713486	-1
## 7160	119.01356	0.410528	-1
## 13327	143.37579	0.684795	-1
## 14539	85.44762	0.644332	1
## 21032	100.98675	0.281755	1
## 9790	123.95560	0.513018	-1
## 12885	81.79267	0.482635	1
## 7937	151.19487	0.271214	-1
## 5393	138.23305	0.403500	-1
## 22358	120.68321	0.284728	-1
## 20870	111.94430	0.353981	1
## 12104	131.66988	0.212561	-1
## 7632	99.92028	0.668636	1
## 20508	146.33835	0.604527	-1
## 5530	94.36610	0.319166	-1
## 9973	125.30554	0.230061	-1
## 21988	107.90912	0.816095	1
## 4181	137.77065	0.773620	-1
## 18433	142.84441	0.624089	-1
## 17606	117.44085	0.315085	-1
## 1426	91.08894	0.323646	-1
## 1763	82.69504	0.276271	1
## 17222	160.74132	0.188868	-1
## 12941	109.61105	0.276417	1
## 41	119.27661	0.405429	1
## 20105	132.50926	0.772595	1
## 4537	91.85177	0.809843	1
## 9400	115.59907	0.230256	-1
## 4126	89.72226	0.784080	1
## 12343	149.27255	0.762480	-1

## 7172	90.14764	0.516017	-1
## 21291	130.16214	0.429523	-1
## 5155	130.83507	0.574563	1
## 19657	143.84547	0.177699	-1
## 4200	110.04402	0.968771	-1
## 6891	141.48598	0.625560	-1
## 14769	130.94675	0.830131	1
## 4513	94.69067	0.798385	1
## 14860	111.39353	0.420534	1
## 3585	147.54196	0.723915	-1
## 6428	117.06560	0.373275	1
## 15122	117.20807	0.551317	1
## 17039	96.05997	0.611662	1
## 14909	119.58765	0.350069	1
## 22121	104.26160	0.675515	-1
## 15046	107.85053	0.527323	1
## 11768	135.73477	0.557821	1
## 10036	143.29094	0.638649	-1
## 16780	113.14379	0.784119	1
## 17879	130.61122	0.251235	1
## 18139	141.34534	0.484033	1
## 7077	71.04756	0.551399	1
## 10042	146.61444	0.722803	-1
## 2079	87.83148	0.488763	1
## 3888	107.59502	0.439536	1
## 8731	115.95610	0.420099	1
## 12377	137.70912	0.556258	-1
## 702	139.27824	0.798928	-1
## 10975	135.88954	0.572140	-1
## 5407	126.75496	0.791341	-1
## 12773	87.28992	0.308401	1
## 10940	125.77169	0.570881	1
## 5180	73.44726	0.377483	1
## 13142	115.74154	0.715062	1
## 13652	108.38487	0.308350	1
## 18607	149.05270	0.630886	-1
## 1600	113.96192	0.839887	-1
## 7691	152.87172	0.693051	-1
## 11542	121.98943	0.690173	1
## 4783	100.75497	0.804399	1
## 19424	111.45802	0.400330	1
## 16524	122.13241	0.504789	1
## 3985	132.06636	0.872392	-1
## 13725	99.57832	0.299956	1
## 14629	122.12942	0.396186	-1
## 15141	111.75314	0.571263	1
## 11484	114.41380	0.787830	1
## 10692	122.63345	0.642882	1
## 21540	109.02945	0.239139	-1
## 13	110.95454	0.331181	1
## 12639	129.96202	0.288586	1
## 4946	105.38338	0.444591	1
## 20566	100.43983	0.647560	1
## 3393	89.82002	0.420042	1

## 13771	116.30225	0.252545	1
## 3286	158.55826	0.970306	-1
## 7820	121.29202	0.447497	1
## 8944	107.72533	0.352878	-1
## 1846	122.52187	0.754010	1
## 2033	121.49336	0.655614	1
## 4009	145.98872	0.676949	-1
## 7271	105.61439	0.545734	1
## 12911	90.34861	0.754852	1
## 19896	100.99568	0.299867	1
## 8217	97.61403	0.280310	1
## 17344	98.85068	0.458423	1
## 22298	124.76354	0.816553	1
## 12961	125.18640	0.910751	1
## 22050	124.67852	0.374176	1
## 7596	119.52343	0.510242	-1
## 376	144.59523	0.754247	1
## 12671	85.36891	0.817006	1
## 6886	148.59312	0.701607	-1
## 16227	91.56158	0.405500	1
## 7710	149.94003	0.741037	-1
## 15102	140.48013	0.354227	1
## 20194	119.79867	0.593928	1
## 3599	108.12920	0.948989	-1
## 1585	143.57242	0.813671	-1
## 22089	132.46905	0.713592	-1
## 11968	124.40395	0.683243	1
## 2625	98.85086	0.470119	1
## 17677	75.54567	0.595163	1
## 3211	123.26749	0.365740	-1
## 19941	119.16756	0.706760	1
## 18604	149.25368	0.686241	-1
## 22231	135.26297	0.571657	-1
## 5911	92.16812	0.383314	1
## 11286	105.41174	0.445290	1
## 17704	118.48722	0.348844	1
## 19713	107.00844	0.506256	-1
## 13678	109.37925	0.741150	1
## 2834	148.37166	0.764622	1
## 14816	124.97962	0.744157	1
## 8450	92.89362	0.195638	1
## 2566	125.69621	0.546199	-1
## 544	111.96390	0.664951	1
## 11323	148.38011	0.169792	1
## 8672	130.80309	0.413810	1
## 1919	121.07379	0.467687	-1
## 8804	139.83261	0.460674	1
## 13858	126.00684	0.516902	1
## 14158	84.11418	0.452287	1
## 6931	122.81933	0.777594	1
## 11160	120.14920	0.632733	1
## 5589	128.26572	0.799788	-1
## 11903	121.67437	0.734759	1
## 9792	118.61187	0.480346	-1

## 14991	114.43462	0.567527	1
## 4751	100.37299	0.500857	1
## 19615	74.77164	0.156068	-1
## 21656	126.29056	0.141067	1
## 19505	139.84073	0.673144	-1
## 22451	125.51574	0.308672	-1
## 21701	118.03149	0.366440	1
## 9916	132.29054	0.159827	1
## 12396	88.04622	0.313690	1
## 4620	104.43834	0.428955	1
## 10318	127.39724	0.632425	1
## 5737	127.71738	0.567029	1
## 11587	138.52910	0.801435	1
## 13020	119.64635	0.839414	1
## 12771	110.79665	0.277331	1
## 17766	135.71256	0.568598	-1
## 17597	121.52002	0.847133	-1
## 19558	122.60908	0.431206	-1
## 14781	102.63115	0.565578	1
## 13961	119.48310	0.310425	1
## 21057	125.67221	0.601409	1
## 3728	109.06639	0.353789	1
## 16803	111.49888	0.509848	1
## 17982	103.24245	0.607621	1
## 15725	123.79575	0.240423	-1
## 21699	125.01408	0.374441	1
## 15014	117.29570	0.593569	1
## 13542	132.42638	0.745779	1
## 3277	129.67180	0.925294	-1
## 18830	127.18295	0.314498	-1
## 11324	143.44182	0.849285	1
## 20642	151.16511	0.293258	1
## 8719	124.23670	0.615209	1
## 16666	86.46343	0.333808	1
## 14916	133.75948	0.565864	1
## 11894	95.35201	0.802335	1
## 6178	81.69559	0.544058	1
## 9363	115.06916	0.432235	1
## 7456	100.64912	0.703994	1
## 16052	111.36370	0.373237	1
## 20593	108.30299	0.253546	1
## 12769	76.52111	0.633222	1
## 16532	128.61053	0.877070	1
## 21317	108.79913	0.520310	-1
## 6434	115.39539	0.444768	1
## 5030	86.27768	0.838073	1
## 9265	115.04954	0.272586	1
## 2153	93.14150	0.277015	1
## 663	116.84521	0.915782	1
## 961	110.32481	0.524015	1
## 9152	141.59570	0.538272	-1
## 12637	122.58207	0.275815	1
## 5711	156.24452	0.674520	-1
## 16353	96.73596	0.658026	1

## 19528	143.84106	0.710674	-1
## 17300	93.46819	0.480214	-1
## 19055	128.46078	0.713379	1
## 17872	156.48616	0.637184	1
## 4964	119.06849	0.687558	1
## 13553	105.87426	0.124089	1
## 5824	122.68973	0.277690	1
## 10244	129.40543	0.115380	1
## 10329	81.22097	0.850224	1
## 8245	145.41382	0.794928	-1
## 6730	131.51442	0.296741	-1
## 1454	113.53603	0.288773	1
## 371	121.44959	0.432188	1
## 28	102.76906	0.736903	1
## 19213	135.31689	0.663612	1
## 10613	143.90213	0.628850	1
## 4508	115.24761	0.638142	1
## 9061	118.59701	0.781525	1
## 21824	95.49320	0.847192	1
## 12223	140.87111	0.327613	-1
## 12096	132.28197	0.190713	-1
## 519	101.15031	0.535890	1
## 20071	99.32842	0.394635	1
## 22154	128.18694	0.422862	-1
## 3370	109.42558	0.596469	1
## 16144	119.72716	0.631947	1
## 10446	128.72777	0.496118	1
## 20644	125.16305	0.150921	1
## 21305	123.57191	0.477206	-1
## 1012	145.77309	0.633669	-1
## 11890	98.03233	0.385981	1
## 36	93.88517	0.350377	1
## 19290	130.02211	0.531888	-1
## 1912	91.76315	0.522211	-1
## 16712	79.63832	0.720017	1
## 18606	152.95047	0.629497	-1
## 21101	109.86868	0.104033	1
## 6427	102.16633	0.440930	1
## 20257	117.77281	0.722806	1
## 2673	106.15218	0.814464	-1
## 15284	127.78413	0.858286	1
## 6082	140.79515	0.763835	-1
## 5081	91.44755	0.461674	1
## 9880	125.64394	0.325817	1
## 11078	145.81171	0.743292	-1
## 16792	89.49131	0.442961	1
## 16764	68.94778	0.420854	1
## 21676	132.04697	0.367073	1
## 19254	134.82771	0.300784	-1
## 2707	120.25692	0.838504	-1
## 19905	119.21619	0.115405	1
## 5076	116.95948	0.804115	1
## 15132	100.20796	0.426679	1
## 5063	108.76306	0.700271	1

## 258	92.53329	0.388207	1
## 16868	82.82578	0.290693	1
## 2112	146.71228	0.973517	-1
## 2355	87.84055	0.674118	1
## 5093	121.88847	0.691327	1
## 8384	123.06207	0.505825	1
## 13438	108.26562	0.253742	1
## 597	68.52239	0.535662	1
## 19797	148.32935	0.700077	1
## 18300	123.03001	0.442332	-1
## 146	126.13590	0.353467	1
## 878	138.56667	0.533044	1
## 12916	81.68628	0.608892	1
## 4839	125.72612	0.498719	1
## 15715	122.03030	0.261790	-1
## 18553	147.26044	0.582883	-1
## 16075	144.12646	0.654285	1
## 7165	116.39632	0.250239	-1
## 21439	119.45853	0.379187	-1
## 16596	95.78620	0.457454	1
## 16099	89.61170	0.421109	1
## 5651	140.47170	0.581771	-1
## 17194	95.09991	0.613956	1
## 8726	123.37540	0.552372	1
## 5327	132.72777	0.488818	-1
## 14411	144.34137	0.234263	-1
## 19669	139.18710	0.428917	-1
## 1592	118.56152	0.916913	-1
## 17578	103.73673	0.445632	-1
## 18140	99.67364	0.390956	1
## 8350	81.30328	0.459056	1
## 10853	106.96407	0.568971	1
## 2071	98.58913	0.493967	1
## 10674	103.61518	0.286774	1
## 3388	134.25522	0.913105	1
## 18854	152.11510	0.574370	-1
## 14167	102.27996	0.649468	-1
## 16369	117.18923	0.885179	1
## 17367	118.12788	0.443530	1
## 6546	82.49860	0.549552	1
## 11464	114.55632	0.524510	1
## 16665	97.21069	0.405851	1
## 10361	135.93643	0.262281	1
## 18499	107.21059	0.648073	-1
## 4151	123.55405	0.740747	-1
## 7279	131.30069	0.335601	1
## 13363	117.82460	0.479556	1
## 18037	124.47282	0.551428	1
## 1145	137.17314	0.804351	-1
## 9432	116.05081	0.256807	-1
## 19007	76.58912	0.133203	1
## 14700	89.13062	0.830480	1
## 11097	142.32053	0.751132	-1
## 17114	131.73910	0.535870	-1

## 22245	106.41969	0.486295	1
## 13702	139.54465	0.916212	1
## 20388	147.48192	0.675987	-1
## 20110	122.10448	0.506585	1
## 1535	130.94098	0.841879	-1
## 17891	111.38651	0.760829	-1
## 14446	122.61285	0.341363	-1
## 8560	114.18123	0.857794	1
## 15337	96.81844	0.577386	1
## 22073	155.40379	0.475092	1
## 4672	108.10800	0.554129	1
## 18745	106.86540	0.265244	1
## 9966	130.70990	0.291781	-1
## 8129	107.21476	0.495258	1
## 3614	118.87125	0.491842	-1
## 19436	132.55447	0.668632	1
## 4812	87.30700	0.279178	1
## 16908	98.39475	0.870077	1
## 10628	99.66887	0.192638	1
## 7514	133.93515	0.590015	1
## 20422	153.10820	0.704392	-1
## 19061	142.57027	0.224497	1
## 8868	97.04800	0.847828	1
## 20078	104.59277	0.345840	1
## 7422	118.24456	0.555145	1
## 11502	99.26384	0.541310	1
## 1849	118.03841	0.644834	1
## 8699	138.97726	0.500958	1
## 2634	126.78680	0.585869	1
## 15758	135.11400	0.780464	1
## 12890	101.21025	0.695478	1
## 4800	98.47325	0.838881	1
## 265	90.32523	0.302201	1
## 7025	147.15422	0.729599	-1
## 10990	129.76323	0.445052	-1
## 5517	85.03432	0.290785	1
## 15373	76.31473	0.428009	1
## 2375	118.90836	0.646614	1
## 15360	142.30482	0.819146	1
## 4331	116.32867	0.789368	-1
## 2545	104.12047	0.822440	-1
## 16229	94.95643	0.601441	1
## 2626	106.34002	0.483040	1
## 6107	113.27387	0.644964	1
## 7499	123.98414	0.662248	1
## 9183	113.48465	0.330707	-1
## 17804	99.16518	0.817903	1
## 6682	141.34656	0.564590	-1
## 20677	102.57750	0.242138	-1
## 974	95.47437	0.732541	1
## 16672	107.15311	0.517883	1
## 8814	127.31352	0.612340	1
## 14439	132.21117	0.719911	-1
## 12518	89.18656	0.616292	1

## 2555	105.09901	0.417999	-1
## 9841	102.41993	0.619069	1
## 4587	91.12108	0.531308	1
## 10081	143.21782	0.710952	-1
## 14519	125.50865	0.474873	-1
## 8674	133.69402	0.673652	1
## 18308	143.55386	0.465542	-1
## 7800	107.34139	0.769030	1
## 20061	110.02623	0.226957	1
## 15641	96.49742	0.812693	1
## 15379	96.48599	0.595415	1
## 13711	138.17333	0.235433	1
## 4723	116.14255	0.282339	1
## 4956	124.61712	0.694175	1
## 14109	111.90313	0.587224	-1
## 3800	113.35449	0.665074	1
## 20741	156.32928	0.562192	-1
## 7914	142.70755	0.218714	-1
## 13886	101.82570	0.136439	1
## 12400	90.33737	0.278610	1
## 3782	113.24383	0.397306	1
## 20039	100.01987	0.651579	-1
## 14068	122.44889	0.374191	-1
## 17820	115.58656	0.280228	1
## 3843	138.26677	0.612732	-1
## 17280	106.95167	0.402994	-1
## 14724	124.12886	0.457182	1
## 8790	77.67140	0.533183	1
## 3574	148.95010	0.945994	-1
## 4452	116.26125	0.614599	1
## 15848	132.27125	0.574968	-1
## 14619	121.39427	0.416500	-1
## 18880	125.13851	0.702401	1
## 9372	128.59891	0.502527	1
## 20527	111.98481	0.516324	-1
## 21284	128.39300	0.257792	-1
## 21178	136.80875	0.710449	-1
## 520	79.02341	0.406992	1
## 5676	111.58222	0.447840	-1
## 5520	112.32269	0.316238	-1
## 4945	123.45830	0.663624	1
## 270	122.32585	0.274745	1
## 11620	102.07378	0.699000	1
## 18720	145.24364	0.389676	1
## 21356	111.58775	0.740318	1
## 15310	87.50786	0.811256	1
## 17652	126.18203	0.373883	1
## 16115	123.02380	0.298017	1
## 5486	105.90685	0.367465	1
## 1790	104.84389	0.504154	1
## 16329	122.10523	0.688501	1
## 11971	107.87915	0.875697	1
## 19629	96.46048	0.167140	-1
## 15403	127.48610	0.664198	1

## 16519	163.32950	0.822134	1
## 8921	150.15909	0.696727	-1
## 6634	119.79839	0.338148	-1
## 6476	107.60380	0.826239	-1
## 7544	115.39568	0.208188	-1
## 3934	89.43638	0.408063	1
## 17619	134.43199	0.167313	-1
## 9810	122.99859	0.598522	-1
## 8173	113.14843	0.537625	1
## 21381	124.19747	0.185866	1
## 12695	125.24088	0.413651	1
## 20821	102.44872	0.136743	1
## 20025	149.25377	0.612451	-1
## 12433	111.64494	0.798962	1
## 8631	139.05292	0.382511	-1
## 7050	130.05522	0.839972	-1
## 8549	81.53745	0.383107	1
## 3660	105.64060	0.680042	1
## 14065	135.56697	0.607559	-1
## 15142	96.76032	0.508974	1
## 13336	144.62373	0.707576	-1
## 20929	103.95383	0.244785	1
## 14531	111.56484	0.515535	-1
## 537	116.92245	0.537332	1
## 8680	97.13253	0.361404	1
## 11387	102.57590	0.505764	1
## 21136	137.30220	0.493019	1
## 10129	129.80032	0.253829	1
## 2910	104.10242	0.445673	1
## 381	137.38025	0.511726	1
## 13325	158.82715	0.766076	-1
## 20719	105.63346	0.287465	-1
## 9551	117.05743	0.332577	-1
## 22516	105.33350	0.598995	1
## 15940	129.72612	0.547480	-1
## 6995	122.50015	0.510253	1
## 22517	107.16888	0.432394	1
## 3472	109.19892	0.791623	1
## 18202	121.77274	0.632304	1
## 14911	111.39279	0.526027	1
## 1687	152.40469	0.834308	-1
## 4471	134.02080	0.709714	1
## 17130	134.88444	0.669167	-1
## 272	92.36517	0.232542	1
## 12191	117.07277	0.385724	-1
## 10345	151.68156	0.891642	1
## 8284	108.88419	0.590971	1
## 3151	131.44304	0.778366	1
## 3140	115.10362	0.503795	1
## 6547	90.95061	0.810359	1
## 15422	101.44485	0.354507	1
## 9942	135.40515	0.417246	-1
## 17327	90.20139	0.622381	1
## 15489	113.40699	0.096949	1

## 19101	138.31618	0.853156	1
## 19486	128.99040	0.348985	1
## 20909	137.21284	0.371058	-1
## 5083	93.98470	0.401376	1
## 18066	104.85751	0.736080	-1
## 16989	79.67184	0.674204	1
## 77	133.42053	0.521627	1
## 9803	112.65689	0.192108	-1
## 12211	134.75899	0.269371	-1
## 1319	122.64399	0.480895	1
## 17020	93.55517	0.309240	1
## 1825	130.12869	0.535063	-1
## 20725	133.82379	0.335651	-1
## 16406	74.53260	0.515994	1
## 5432	127.67581	0.275247	1
## 9093	114.75580	0.419309	1
## 16970	97.09708	0.422590	1
## 14689	106.68659	0.827713	1
## 15776	128.93617	0.408609	1
## 2386	120.99855	0.891628	-1
## 12081	130.30423	0.404373	-1
## 2753	135.84802	0.394316	1
## 8821	115.26050	0.600942	1
## 7399	138.61661	0.613262	-1
## 3243	137.25041	0.513032	-1
## 20995	131.63187	0.147369	1
## 13726	114.26182	0.386307	1
## 8510	98.28653	0.492624	1
## 21336	134.80850	0.404369	1
## 15562	106.96312	0.380543	1
## 14034	133.32198	0.339600	-1
## 16191	95.67909	0.687032	1
## 4463	114.16366	0.663405	1
## 9526	124.23931	0.281024	1
## 14866	110.92065	0.546149	1
## 17588	117.22668	0.562141	-1
## 18438	150.21338	0.685185	-1
## 18905	132.25969	0.748604	1
## 1899	113.89410	0.824436	-1
## 13118	127.76606	0.674178	1
## 3583	149.51837	0.779376	-1
## 10026	125.07086	0.503630	-1
## 1680	120.52183	0.861189	-1
## 16126	67.73148	0.484032	1
## 7141	150.13458	0.569767	-1
## 4351	146.69078	0.767204	-1
## 21126	121.80347	0.629983	1
## 22211	142.21725	0.499313	-1
## 16523	117.17175	0.242170	1
## 13569	101.90072	0.273466	1
## 20153	120.03986	0.152298	1
## 3059	101.37215	0.676668	1
## 12097	130.29430	0.275704	-1
## 2893	127.32411	0.575543	1

## 16840	66.03679	0.374511	1
## 13259	141.91356	0.673796	-1
## 5187	137.30759	0.891526	1
## 10974	121.28487	0.351957	-1
## 16263	97.26815	0.629721	1
## 18562	152.56924	0.549271	-1
## 15856	97.57512	0.298144	-1
## 14586	121.72564	0.168347	-1
## 2043	125.20034	0.765348	1
## 137	137.64148	0.559101	1
## 2756	147.03659	0.780688	1
## 1670	123.35005	0.765908	-1
## 15543	114.26215	0.319599	1
## 22478	108.30249	0.375053	1
## 12491	80.29100	0.802249	1
## 11090	136.39641	0.791031	-1
## 21547	122.96020	0.224642	-1
## 13712	106.22040	0.392209	1
## 22306	106.61512	0.455188	1
## 17965	85.93577	0.577359	1
## 5952	127.13132	0.719552	1
## 6761	94.61543	0.404948	-1
## 3661	107.72903	0.677581	1
## 1743	134.99443	0.807681	1
## 12739	124.56272	0.333664	1
## 22030	150.95131	0.513458	-1
## 6127	124.64273	0.380315	1
## 4038	98.01813	0.824582	-1
## 94	96.73098	0.557669	1
## 17254	128.00226	0.258883	-1
## 19156	132.00050	0.778020	1
## 9131	140.05138	0.675491	-1
## 17246	110.81930	0.195115	-1
## 9544	141.90633	0.231912	-1
## 3010	112.51023	0.573250	1
## 16578	86.13361	0.433247	1
## 11809	105.47187	0.289369	1
## 9487	140.79231	0.436277	1
## 4777	117.15469	0.343538	1
## 16206	92.12923	0.808353	1
## 13738	114.32672	0.832703	1
## 20002	147.86038	0.253537	-1
## 11127	144.96028	0.782664	-1
## 7747	137.42810	0.673126	1
## 5555	114.91927	0.301103	-1
## 1843	135.55727	0.278413	1
## 3045	127.51358	0.623824	1
## 3367	138.75948	0.577412	1
## 4759	120.60326	0.661523	1
## 8813	125.79016	0.485031	1
## 5014	107.41260	0.755337	1
## 8157	110.88824	0.754294	1
## 17902	142.42465	0.572344	-1
## 7342	124.97034	0.742669	1

## 13473	118.97141	0.330289	1
## 1965	94.26775	0.322330	-1
## 21282	127.34342	0.443569	-1
## 10590	134.69984	0.466426	1
## 14850	125.54600	0.805425	1
## 21869	97.18430	0.365373	1
## 17798	134.30225	0.411454	1
## 11012	92.18016	0.475842	-1
## 2642	84.07578	0.888658	1
## 15703	109.60030	0.539506	-1
## 15042	113.69213	0.643934	1
## 14766	111.22335	0.570676	1
## 19435	107.42860	0.507527	1
## 7290	122.13077	0.615590	1
## 11241	126.66693	0.286420	-1
## 2021	87.39454	0.850071	-1
## 20114	130.84621	0.376960	1
## 9008	96.35899	0.584241	1
## 4281	103.99168	0.485383	1
## 14018	98.16132	0.332390	-1
## 2887	118.27317	0.769237	1
## 6843	77.04584	0.510861	1
## 14295	117.91727	0.544574	-1
## 11	116.90527	0.266648	1
## 15948	93.63573	0.525898	1
## 16708	99.08144	0.316888	1
## 21560	107.32911	0.277634	-1
## 3467	87.83810	0.452107	1
## 2500	122.23807	0.599085	1
## 14232	115.62035	0.371983	-1
## 14019	102.10434	0.364063	-1
## 15840	118.93866	0.326375	-1
## 16990	87.10393	0.729553	1
## 8320	103.22925	0.390526	1
## 19067	148.28993	0.380682	1
## 4673	119.26573	0.323506	1
## 17381	90.88276	0.723677	1
## 5678	139.65506	0.399795	-1
## 19175	154.27580	0.284925	1
## 1445	143.55530	0.372026	1
## 22097	111.15086	0.374456	-1
## 4611	130.26775	0.824045	1
## 10300	95.91769	0.447069	1
## 11633	132.93205	0.452552	1
## 4001	134.54144	0.782404	-1
## 10551	84.80982	0.454155	1
## 13665	120.68515	0.344405	1
## 10690	125.50790	0.514611	1
## 21984	132.78685	0.457409	1
## 6272	107.86013	0.806645	-1
## 21848	95.30462	0.547934	1
## 4250	112.69164	0.443706	1
## 20724	91.49524	0.306713	-1
## 15770	139.08421	0.526859	1

## 21721	110.02362	0.477771	-1
## 3335	121.90174	0.527849	1
## 2782	119.78343	0.397805	-1
## 8022	110.57809	0.533543	-1
## 3085	117.99091	0.766586	-1
## 9804	99.12521	0.199460	-1
## 11775	101.72269	0.353461	1
## 6581	94.67583	0.822521	1
## 3138	95.58576	0.428519	1
## 3540	120.91378	0.575183	1
## 755	109.69380	0.587364	1
## 6993	143.09053	0.476102	1
## 16810	124.36343	0.263931	1
## 15849	118.45693	0.748479	-1
## 7190	122.87558	0.510819	1
## 15466	113.59862	0.443825	1
## 185	90.86258	0.786365	1
## 17960	129.77260	0.720613	-1
## 1730	109.61655	0.923050	1
## 7792	108.29166	0.305796	1
## 14703	80.60776	0.725912	1
## 19536	134.75159	0.527136	-1
## 3094	124.36102	0.849673	-1
## 4115	115.50398	0.476204	1
## 16979	111.22684	0.350499	1
## 13530	107.92668	0.875477	-1
## 7236	132.60535	0.316126	-1
## 8422	112.97124	0.856527	1
## 19338	114.46086	0.340529	-1
## 21774	112.47251	0.374536	-1
## 9617	119.45845	0.639213	-1
## 3401	118.48887	0.897566	-1
## 10597	92.81319	0.889781	1
## 12905	88.66447	0.385721	1
## 13969	130.46683	0.519351	1
## 11060	115.41319	0.273986	-1
## 22147	112.70064	0.530007	-1
## 3541	114.79572	0.717462	1
## 5427	139.87981	0.351657	1
## 18146	105.28647	0.598715	1
## 11317	114.49559	0.172510	1
## 4214	109.68232	0.933825	-1
## 17649	99.71827	0.468682	1
## 21428	141.35414	0.693338	-1
## 9569	109.85998	0.274370	-1
## 14480	144.24672	0.497136	-1
## 8907	130.66014	0.348617	-1
## 1804	143.93320	0.364381	-1
## 8240	144.32039	0.438672	-1
## 13393	126.99929	0.823249	1
## 209	109.84465	0.646329	1
## 8909	134.85259	0.314806	-1
## 3121	97.13013	0.579040	-1
## 1443	130.50032	0.396542	1

## 2780	140.77708	0.534023	-1
## 112	82.67464	0.278585	1
## 6473	104.97532	0.585656	-1
## 22421	127.79328	0.373489	1
## 10254	112.34195	0.107015	1
## 18280	148.49138	0.771400	-1
## 9374	90.70150	0.471748	1
## 7679	118.66486	0.668714	1
## 12276	116.01872	0.547727	-1
## 742	101.42389	0.327346	1
## 18288	150.75490	0.800188	-1
## 2878	135.50249	0.748615	1
## 15113	105.71204	0.569315	1
## 16642	143.96637	0.793439	1
## 13802	104.67513	0.508940	1
## 14212	138.48379	0.269314	-1
## 18292	140.67786	0.400840	-1
## 11402	113.23174	0.451067	1
## 7108	119.82352	0.793861	1
## 8348	99.30290	0.445662	1
## 9176	111.93497	0.330182	-1
## 17266	144.98969	0.393919	-1
## 4911	108.13050	0.802281	1
## 13279	148.55321	0.360318	-1
## 13164	117.65364	0.770803	1
## 5406	128.79283	0.602528	-1
## 7813	111.76917	0.334047	1
## 11834	96.80441	0.677911	1
## 20487	150.88805	0.759420	-1
## 7818	79.37909	0.572505	1
## 19150	131.37160	0.745588	1
## 10250	85.72604	0.174279	1
## 12675	91.16190	0.614679	1
## 8643	118.25691	0.553467	-1
## 1747	114.07878	0.606022	1
## 7790	111.97649	0.698917	1
## 16691	101.05574	0.304510	1
## 15660	136.41725	0.460664	1
## 16193	134.09483	0.436755	1
## 14926	118.50551	0.470466	1
## 13040	86.18428	0.539100	1
## 11243	124.15320	0.310713	-1
## 20343	147.56696	0.662504	-1
## 8637	153.81662	0.217262	-1
## 21242	107.68328	0.302113	-1
## 7133	146.69400	0.713394	-1
## 4605	114.30035	0.513037	1
## 18806	139.72554	0.595128	-1
## 7337	122.77666	0.756617	1
## 6115	94.64173	0.603085	1
## 6543	82.39873	0.591788	1
## 21363	137.91072	0.496899	1
## 21746	111.43643	0.509962	-1
## 21067	144.67664	0.498311	1

## 18124	137.70450	0.690706	-1
## 12166	124.37357	0.080739	-1
## 13510	152.92416	0.618682	-1
## 7581	148.82628	0.787045	-1
## 16228	93.00459	0.738504	1
## 22437	133.21895	0.785245	-1
## 259	117.60648	0.592792	1
## 6302	144.84315	0.709849	-1
## 9602	107.19496	0.364722	-1
## 20229	133.00447	0.533890	1
## 10421	115.28513	0.549647	1
## 4382	105.77106	0.373422	-1
## 16083	109.05286	0.546293	1
## 2628	95.50197	0.807387	1
## 8539	103.58318	0.693650	1
## 6037	152.10616	0.756747	-1
## 2185	142.38980	0.590893	-1
## 18622	136.98048	0.756773	-1
## 21741	112.52290	0.576014	-1
## 18045	101.37998	0.586792	1
## 10433	114.05731	0.493561	1
## 11794	110.67402	0.656292	1
## 10062	142.73291	0.760023	-1
## 11233	138.67990	0.571591	-1
## 16545	90.51653	0.662984	1
## 5043	96.86939	0.814232	1
## 4886	106.98257	0.629641	1
## 78	133.00977	0.797443	1
## 2650	108.67808	0.606929	1
## 4203	104.57697	0.928392	-1
## 2132	108.97920	0.799865	1
## 616	64.99547	0.463642	1
## 21222	130.70699	0.268317	-1
## 4838	122.43233	0.246650	1
## 15963	80.57404	0.555298	1
## 18048	106.58147	0.366902	1
## 4034	102.04165	0.608646	-1
## 1376	116.88428	0.337764	1
## 967	90.26997	0.500312	1
## 4598	91.92711	0.718936	1
## 179	105.56193	0.787223	1
## 12741	92.00661	0.555332	1
## 21780	109.21669	0.456344	-1
## 10643	120.03108	0.456000	1
## 15071	116.84595	0.744201	1
## 7388	157.64214	0.679675	-1
## 10447	116.83646	0.641655	1
## 20869	139.48860	0.219048	1
## 1653	117.93868	0.783280	-1
## 17761	122.83781	0.350628	-1
## 6456	113.40592	0.610529	1
## 12914	81.13371	0.825520	1
## 6967	123.44335	0.596241	1
## 17519	85.53402	0.346610	1

## 22308	123.69803	0.751512	1
## 19285	132.07509	0.290782	-1
## 19005	104.41094	0.246104	1
## 1277	94.29547	0.592792	1
## 355	84.54002	0.462010	1
## 22132	148.01692	0.264183	-1
## 13768	126.18853	0.678115	1
## 15853	120.08051	0.522735	-1
## 3399	105.45753	0.223287	1
## 14790	113.79894	0.437359	1
## 12803	115.23492	0.597746	1
## 1037	137.87628	0.868403	-1
## 11676	138.20827	0.501219	1
## 2603	100.07976	0.499006	1
## 2905	126.01186	0.811422	1
## 20608	140.51502	0.521072	1
## 15307	122.54868	0.840599	1
## 20284	147.30853	0.794436	1
## 5433	134.58661	0.282162	1
## 15190	114.64092	0.729724	1
## 3840	109.82215	0.735322	-1
## 4568	126.77634	0.417917	1
## 5452	109.86395	0.726702	1
## 7541	115.78760	0.189122	-1
## 9560	137.91504	0.234930	-1
## 6030	148.31985	0.790643	-1
## 7407	112.62186	0.449718	1
## 9669	107.12793	0.736526	1
## 5422	115.49300	0.274468	1
## 18369	97.05716	0.465184	1
## 15966	136.47492	0.482752	1
## 2211	125.21562	0.480536	-1
## 13714	127.62367	0.351225	1
## 14988	144.18851	0.632764	1
## 16570	98.40216	0.489929	1
## 17599	136.80098	0.315765	-1
## 16362	77.06904	0.296233	1
## 20951	102.75839	0.525437	1
## 10725	108.84617	0.335531	1
## 15606	115.88647	0.224096	1
## 2448	136.98204	0.376177	1
## 21324	107.74172	0.672752	1
## 22092	122.15520	0.345717	-1
## 876	128.50656	0.858081	1
## 10908	55.50847	0.415575	1
## 13275	140.65042	0.680328	-1
## 16211	110.06962	0.516803	1
## 12208	132.39279	0.842563	-1
## 20834	119.30333	0.593591	1
## 458	133.68401	0.702165	1
## 774	115.68073	0.439973	1
## 13713	92.27831	0.228923	1
## 3412	120.88790	0.831312	-1
## 2898	145.83934	0.933458	1

## 1441	137.84792	0.324385	1
## 21939	153.91786	0.695805	-1
## 3383	122.71487	0.622435	1
## 16333	104.35290	0.538470	1
## 22031	153.87947	0.451576	-1
## 5537	129.59641	0.338552	-1
## 13335	140.74745	0.712538	-1
## 206	137.14877	0.583699	1
## 17470	103.17581	0.076437	1
## 21776	126.54346	0.699254	-1
## 16274	96.89105	0.833626	1
## 610	111.79809	0.387676	1
## 15049	81.82061	0.714047	1
## 5237	131.93207	0.295198	-1
## 9548	106.29450	0.269778	-1
## 1295	86.20342	0.435222	1
## 19630	111.58415	0.141629	-1
## 18042	124.64447	0.851121	1
## 19771	111.51117	0.407809	1
## 8517	129.58678	0.616853	1
## 17244	114.30617	0.328262	-1
## 2888	127.26680	0.764463	1
## 13241	134.64954	0.665582	-1
## 22285	129.16881	0.496179	1
## 20447	134.27965	0.608163	-1
## 623	55.37118	0.456743	1
## 2408	122.50809	0.737406	1
## 22439	117.02525	0.272320	-1
## 19356	127.23595	0.407896	-1
## 750	107.11906	0.413831	1
## 233	110.66370	0.501039	1
## 16943	111.85001	0.549792	1
## 18322	108.59706	0.536549	1
## 4597	96.21258	0.792565	1
## 14234	127.49789	0.349217	-1
## 19734	129.86084	0.345425	-1
## 17457	118.19019	0.511174	-1
## 5115	141.97803	0.751222	-1
## 6901	96.86832	0.662712	1
## 2768	148.96094	0.648726	-1
## 5146	122.91135	0.657833	1
## 3719	148.78117	0.673612	-1
## 9117	114.02736	0.248999	-1
## 6698	124.34226	0.469550	-1
## 13708	113.95343	0.257059	1
## 17940	143.52559	0.677440	-1
## 10285	85.81110	0.753055	1
## 5899	150.76067	0.747615	-1
## 21252	120.11254	0.381218	-1
## 14371	121.38573	0.293045	1
## 19480	99.07603	0.233307	1
## 6902	96.66061	0.218827	1
## 6357	103.28632	0.424944	1
## 11940	136.11163	0.732699	1

## 11515	107.30718	0.580780	1
## 2006	131.32510	0.474577	-1
## 7836	96.32759	0.414468	1
## 56	106.38760	0.433891	1
## 989	125.67412	0.737074	-1
## 15673	119.64243	0.597852	1
## 6795	112.80851	0.643435	1
## 6494	149.06505	0.744425	-1
## 6450	99.05556	0.275110	1
## 13857	105.55741	0.423177	1
## 17823	130.85062	0.360770	1
## 168	134.22275	0.766420	1
## 21406	99.63757	0.209701	1
## 10611	101.93021	0.282364	1
## 15121	99.97403	0.433577	1
## 16010	83.85816	0.469353	1
## 16174	93.11448	0.445286	1
## 10916	90.62028	0.392519	1
## 18674	128.39911	0.273258	1
## 636	129.37009	0.581988	1
## 7186	139.31404	0.485893	1
## 820	120.78800	0.778549	-1
## 3422	126.42793	0.732418	-1
## 8559	106.52488	0.474224	1
## 4807	96.58356	0.288937	1
## 4397	115.84500	0.361048	1
## 5977	101.11974	0.858180	1
## 13867	115.59821	0.630972	1
## 6946	96.02245	0.419425	1
## 18382	106.93092	0.455321	1
## 10995	142.52708	0.438562	-1
## 12557	111.35618	0.797255	1
## 14841	117.05749	0.400178	1
## 18131	79.58364	0.433873	-1
## 15862	122.26132	0.355856	-1
## 15569	137.37878	0.251307	1
## 5931	118.26717	0.316179	1
## 11516	119.86434	0.525733	1
## 22022	147.41267	0.392305	-1
## 5275	67.91911	0.398125	1
## 9533	106.43091	0.318992	1
## 22351	117.70110	0.455366	1
## 12588	101.76032	0.330312	1
## 1168	117.72665	0.506043	-1
## 418	79.81804	0.653502	1
## 9983	121.60073	0.421372	-1
## 18844	129.80205	0.419659	-1
## 21938	160.71220	0.708783	-1
## 11033	125.84558	0.725783	-1
## 20806	125.30565	0.699505	1
## 3148	135.88316	0.394820	1
## 1045	135.60078	0.830663	-1
## 1961	112.73919	0.537154	-1
## 17176	118.56449	0.540603	-1

## 5572	120.31640	0.577304	-1
## 17620	125.60536	0.272696	-1
## 1303	84.65442	0.360838	1
## 7426	125.59448	0.660324	1
## 19625	92.70365	0.172772	-1
## 13635	102.63549	0.326253	1
## 4934	90.28908	0.479708	1
## 4835	117.83166	0.302640	1
## 4970	100.54714	0.688584	1
## 6045	148.22771	0.718810	-1
## 5047	108.30343	0.300049	1
## 11565	121.27337	0.450875	1
## 18516	130.10938	0.608677	-1
## 4818	99.29652	0.674895	1
## 12072	94.84370	0.333207	1
## 5228	131.55728	0.516102	-1
## 328	109.12400	0.289531	1
## 62	113.52776	0.524160	1
## 6711	114.69031	0.339377	-1
## 12657	80.62095	0.733819	1
## 4171	130.61261	0.572636	-1
## 21030	120.95903	0.223964	1
## 11827	125.03733	0.304421	1
## 15033	114.28330	0.578298	1
## 21966	94.65636	0.353042	1
## 12017	121.93057	0.906228	1
## 9821	123.56718	0.276487	1
## 15613	119.14312	0.691384	1
## 18852	110.73103	0.381694	-1
## 11912	142.50490	0.658500	1
## 799	132.06566	0.381601	1
## 8727	112.06902	0.527342	1
## 20126	107.15895	0.291161	1
## 22100	128.92462	0.403965	-1
## 20615	139.81366	0.334444	1
## 12082	126.34030	0.549523	-1
## 9765	151.69249	0.639038	-1
## 2976	130.86320	0.558619	-1
## 12107	111.36677	0.260954	-1
## 20517	129.78075	0.406328	-1
## 19794	128.17464	0.672860	1
## 9857	134.67984	0.435004	1
## 19650	81.92136	0.158737	-1
## 13224	137.63124	0.517867	-1
## 3228	122.19550	0.781992	-1
## 9771	122.32938	0.413978	-1
## 15479	131.67766	0.715015	1
## 3252	133.11414	0.643690	-1
## 22	111.39287	0.390240	1
## 6900	139.85516	0.622824	1
## 3099	113.18117	0.747221	-1
## 1565	111.42024	0.518692	-1
## 8723	109.68825	0.559477	1
## 11274	129.78406	0.538093	-1

## 17297	99.72124	0.389393	-1
## 7905	110.64350	0.790809	-1
## 18820	118.93427	0.449250	-1
## 14863	115.95731	0.658284	1
## 8658	139.43195	0.551513	-1
## 16063	89.40596	0.605901	1
## 22398	111.04428	0.733347	-1
## 13240	128.13264	0.193443	-1
## 20195	139.88039	0.357706	1
## 7850	92.10160	0.318638	1
## 16951	142.02316	0.324317	1
## 21035	107.31426	0.298677	1
## 12817	117.67509	0.859298	1
## 5804	155.16086	0.216591	1
## 22473	115.45487	0.377529	-1
## 2607	111.75445	0.880387	1
## 22117	130.64438	0.418261	-1
## 21760	115.99541	0.756975	-1
## 9778	141.46767	0.536912	-1
## 10217	91.31263	0.659222	1
## 10010	145.95882	0.686889	-1
## 5309	118.44209	0.808092	1
## 6985	134.57947	0.759650	1
## 7713	99.88432	0.224621	1
## 4137	142.40527	0.852178	1
## 19298	122.03360	0.612944	-1
## 12389	104.05961	0.418994	1
## 764	98.58578	0.843588	1
## 19764	81.96828	0.126997	1
## 21750	106.72528	0.529516	-1
## 4174	125.95718	0.598549	-1
## 17899	130.94312	0.266482	-1
## 6395	120.50084	0.395207	1
## 13692	134.51259	0.772950	1
## 16533	131.84302	0.668088	1
## 10147	136.46767	0.358167	1
## 9080	104.23521	0.219739	1
## 4337	126.12601	0.759870	-1
## 11875	99.41274	0.567081	1
## 17206	140.80371	0.621919	-1
## 2620	116.85436	0.825006	1
## 6122	115.48879	0.772941	1
## 4865	104.21658	0.389802	1
## 9757	101.70779	0.471854	-1
## 14864	118.28056	0.898945	1
## 4211	108.39478	0.608450	-1
## 14691	107.27586	0.680414	1
## 4560	109.57906	0.371010	1
## 7702	133.83737	0.572878	-1
## 19077	125.08427	0.327715	1
## 1196	83.34685	0.607912	1
## 1839	117.16999	0.742576	1
## 6252	102.42885	0.756743	1
## 9129	114.47945	0.489360	-1

## 22041	139.70874	0.417656	-1
## 1006	142.98091	0.798304	-1
## 1887	125.27200	0.795008	-1
## 18136	88.35776	0.417159	1
## 11991	108.68268	0.499704	1
## 884	144.17545	0.778584	1
## 19591	78.31001	0.206111	-1
## 5868	133.64761	0.630569	-1
## 22038	139.40495	0.176232	-1
## 885	141.13986	0.315878	1
## 3451	109.24673	0.607968	-1
## 13308	130.39450	0.639942	-1
## 19068	151.77147	0.223759	1
## 8926	140.73692	0.542863	-1
## 12467	81.93218	0.716539	1
## 21182	102.02880	0.558358	-1
## 4025	116.38937	0.646363	-1
## 17466	118.24573	0.077402	1
## 5924	135.89450	0.685984	1
## 9479	119.51203	0.661725	1
## 1693	131.16798	0.819853	-1
## 6758	144.96832	0.469409	-1
## 19267	134.71033	0.547847	-1
## 12136	108.81684	0.107270	-1
## 9465	124.81300	0.405229	1
## 2379	109.03126	0.374191	-1
## 2568	142.68823	0.495311	-1
## 2286	98.25169	0.494651	1
## 3852	102.66031	0.857631	-1
## 7751	113.41097	0.737019	1
## 1205	108.23591	0.568762	1
## 10496	84.12376	0.490796	1
## 11428	134.76871	0.568794	1
## 17145	147.96913	0.445504	-1
## 21147	125.34704	0.546908	1
## 19542	108.39452	0.657962	1
## 16378	101.66580	0.486207	1
## 6704	142.05647	0.823450	-1
## 17621	129.57068	0.264642	-1
## 1252	110.58987	0.637090	-1
## 2919	153.30154	0.391268	1
## 20485	144.62186	0.595293	-1
## 15739	146.42813	0.759260	-1
## 10044	148.28592	0.747217	-1
## 9263	88.52907	0.303834	1
## 16310	127.66817	0.733050	1
## 17787	94.10247	0.525759	1
## 971	79.76753	0.466999	1
## 6978	117.29752	0.498633	1
## 9888	116.11269	0.195677	1
## 2415	111.42017	0.740748	1
## 9160	124.65470	0.604429	-1
## 13891	102.41157	0.261352	1
## 12295	123.57895	0.577576	1

## 18619	130.24091	0.470595	-1
## 16641	125.20888	0.418533	1
## 22363	134.62549	0.509406	-1
## 19411	98.72991	0.253973	1
## 19740	126.29027	0.821644	-1
## 14722	104.71335	0.675254	1
## 19263	106.71648	0.559304	-1
## 6205	105.67587	0.445599	1
## 7121	117.77619	0.812704	1
## 12572	89.42870	0.281704	1
## 20923	114.18221	0.398146	1
## 7826	148.58524	0.585002	1
## 6275	115.40703	0.236096	-1
## 4276	95.61272	0.387621	1
## 17301	104.96527	0.271942	-1
## 19861	142.23985	0.268254	-1
## 18401	114.88058	0.548057	1
## 15336	95.32430	0.747921	1
## 3971	145.22392	0.650618	1
## 14664	116.16540	0.777560	-1
## 21050	92.49402	0.260700	1
## 12142	84.76743	0.126681	-1
## 461	123.41682	0.755544	1
## 9636	132.94717	0.719340	-1
## 14106	124.02206	0.377511	-1
## 22545	143.76469	0.863600	1
## 16269	107.19890	0.419356	1
## 20492	147.39610	0.791824	-1
## 7101	111.54112	0.477169	1
## 13730	126.73331	0.261555	1
## 676	115.93932	0.551751	1
## 2280	91.10184	0.464676	1
## 1308	90.84892	0.525163	1
## 1211	128.26480	0.345230	1
## 6479	98.80539	0.460127	-1
## 17971	140.06578	0.625289	1
## 21712	110.53162	0.769348	-1
## 2649	100.95919	0.452187	1
## 15895	115.39052	0.262270	-1
## 14711	70.51083	0.279095	1
## 16062	109.74456	0.458352	1
## 12951	136.20648	0.369771	1
## 17850	122.81201	0.431888	1
## 12495	101.24399	0.506673	1
## 19904	103.03007	0.141345	1
## 9503	137.26649	0.328482	1
## 10507	101.15558	0.711986	1
## 14941	92.09206	0.565080	1
## 18975	129.52255	0.379389	-1
## 9065	139.56079	0.554790	1
## 54	106.09735	0.458997	1
## 13115	96.43824	0.386269	1
## 17071	118.01073	0.625100	-1
## 16469	108.14592	0.304262	1

## 10004	132.72369	0.747424	-1
## 833	109.60857	0.345348	1
## 21623	117.02054	0.493544	1
## 2996	95.30457	0.612397	-1
## 19579	98.14761	0.309307	-1
## 6441	164.26381	0.504694	1
## 1478	114.70741	0.604425	1
## 5462	88.89001	0.599796	1
## 4048	111.40472	0.377690	-1
## 19602	105.77580	0.144263	-1
## 19620	124.32922	0.119506	-1
## 19489	121.82844	0.397025	1
## 8958	142.60010	0.707758	-1
## 3493	124.03116	0.628707	1
## 21230	130.42618	0.311639	-1
## 1249	150.38528	0.777617	-1
## 15198	110.18952	0.610318	1
## 12834	108.96722	0.322049	1
## 11854	105.89017	0.478308	1
## 20850	137.64203	0.823336	1
## 20389	144.55949	0.721795	-1
## 11713	143.93021	0.555263	-1
## 11478	144.86026	0.632867	1
## 20121	136.62653	0.255818	1
## 14268	75.82761	0.510457	-1
## 8248	146.58481	0.868568	-1
## 18543	124.99957	0.337367	-1
## 5286	78.17009	0.294286	1
## 16977	94.98842	0.394488	1
## 12303	116.96104	0.905242	1
## 7935	120.11263	0.611066	-1
## 12855	119.52326	0.322357	1
## 3850	132.03537	0.581120	-1
## 1979	141.07547	0.788367	-1
## 14830	111.20323	0.824519	1
## 12556	98.70283	0.443855	1
## 20445	125.34169	0.657137	-1
## 6774	89.25139	0.574374	1
## 18171	91.96437	0.485727	1
## 11869	98.04211	0.689415	1
## 12055	125.66983	0.534894	1
## 14874	99.06162	0.606094	1
## 11777	97.15988	0.671210	1
## 11544	116.58927	0.815317	1
## 11842	114.81217	0.495910	1
## 10379	71.60007	0.438288	1
## 19939	128.92572	0.558151	1
## 20359	146.38031	0.770594	-1
## 2576	136.29849	0.855568	-1
## 15464	107.32914	0.613650	1
## 4665	116.74395	0.642087	1
## 22039	135.03906	0.243723	-1
## 2990	122.91116	0.740667	-1
## 17757	143.83159	0.693241	-1

## 8459	140.06543	0.359378	-1
## 13226	128.55504	0.436653	-1
## 10718	102.71664	0.842797	1
## 14802	106.90101	0.696463	1
## 2740	135.41489	0.844702	-1
## 6246	89.36820	0.306458	1
## 7233	139.47906	0.449164	-1
## 10835	102.43177	0.855647	1
## 18996	131.48908	0.613255	1
## 595	65.36771	0.472345	1
## 4649	95.88197	0.360440	1
## 11915	91.46420	0.465248	1
## 800	110.17540	0.325410	1
## 6669	118.84820	0.458988	-1
## 4594	82.68623	0.787873	1
## 1601	118.55511	0.642830	-1
## 11773	90.13544	0.534370	1
## 15137	129.44939	0.341975	1
## 18218	113.76302	0.278702	1
## 15056	107.93545	0.332116	1
## 3239	143.24008	0.972849	-1
## 22460	106.54240	0.711981	-1
## 20573	133.16910	0.644685	1
## 17529	99.95095	0.350599	1
## 22536	106.92875	0.478442	1
## 4071	82.64420	0.580677	1
## 5764	112.61784	0.403760	1
## 14016	118.24892	0.733681	-1
## 17234	119.77068	0.369602	-1
## 10994	133.92535	0.418133	-1
## 18823	108.80634	0.316035	-1
## 19294	135.74869	0.811997	-1
## 7668	112.68409	0.263584	1
## 10885	123.26826	0.556809	1
## 12458	104.05639	0.613654	1
## 21431	142.10069	0.478536	-1
## 15647	116.61691	0.522238	-1
## 1506	136.96976	0.841297	-1
## 18747	132.82416	0.270265	1
## 14092	141.35469	0.739758	-1
## 14945	137.13689	0.781073	1
## 1514	124.01262	0.798762	-1
## 22271	88.77493	0.622575	1
## 2119	136.28818	0.464434	-1
## 1204	85.85982	0.359406	1
## 1296	78.25159	0.452479	1
## 6897	139.13997	0.666813	-1
## 21664	139.64400	0.294407	1
## 8603	129.94861	0.491524	1
## 18365	124.89365	0.455184	1
## 17611	102.29836	0.247344	-1
## 9579	104.34488	0.434319	-1
## 17994	121.94061	0.536087	1
## 15595	128.92844	0.334766	1

## 1005	145.87666	0.899533	-1
## 18858	134.78332	0.511660	-1
## 17805	104.89302	0.363184	1
## 19541	118.77934	0.298507	-1
## 11629	126.95556	0.821517	1
## 16873	109.03543	0.537173	1
## 18934	130.03654	0.672008	1
## 22098	125.76847	0.565543	-1
## 21529	130.39340	0.681317	-1
## 17003	136.65236	0.451767	1
## 6439	148.10211	0.482549	1
## 18164	104.45977	0.461094	1
## 11109	143.23033	0.730800	-1
## 21767	122.49192	0.546116	-1
## 22374	131.29439	0.746240	-1
## 5079	105.23032	0.608932	1
## 16034	115.74867	0.474902	1
## 12414	115.27367	0.841789	1
## 5608	136.74811	0.357799	-1
## 13453	121.96845	0.345574	1
## 2618	84.55798	0.533762	1
## 2416	122.45503	0.542640	1
## 7469	111.10555	0.353884	1
## 21467	139.95940	0.360535	-1
## 17051	133.46837	0.498247	1
## 7153	145.30205	0.773146	-1
## 1251	130.32439	0.550286	-1
## 3751	116.02418	0.395477	1
## 12289	133.54759	0.680929	1
## 17769	115.44254	0.796565	1
## 21637	142.42654	0.643962	1
## 2440	112.45691	0.404972	1
## 20237	104.63366	0.326857	1
## 3625	118.40346	0.768060	1
## 8684	102.45594	0.398444	1
## 9975	150.99641	0.460148	-1
## 18515	107.09350	0.577711	-1
## 16006	141.14233	0.835796	1
## 8143	125.19924	0.448294	1
## 4608	122.00163	0.638284	1
## 3623	114.12949	0.623759	1
## 4435	114.09815	0.779429	1
## 5386	139.01518	0.632764	-1
## 10509	92.64962	0.297210	1
## 1872	126.81239	0.315058	1
## 14572	142.63403	0.334268	-1
## 16111	126.41334	0.706167	1
## 22462	150.20854	0.596657	-1
## 22021	143.56572	0.345773	-1
## 20675	145.44087	0.336265	-1
## 10399	75.24745	0.482692	1
## 3973	113.07415	0.384143	-1
## 9089	113.63926	0.316759	1
## 8294	90.87911	0.528793	1

## 9762	133.70088	0.670214	-1
## 9323	156.08835	0.287681	1
## 13691	142.04492	0.667816	1
## 398	113.91721	0.810822	1
## 13996	125.32338	0.384157	-1
## 19951	143.20628	0.250233	1
## 17419	147.32922	0.405628	-1
## 7517	120.13052	0.364632	1
## 2326	145.32861	0.594297	-1
## 11551	105.66091	0.571893	1
## 3901	124.24998	0.773191	1
## 15340	101.34084	0.663983	1
## 392	107.00075	0.727774	1
## 21554	130.59587	0.282061	-1
## 12514	111.32895	0.841028	1
## 12789	126.07718	0.722700	1
## 19498	88.55500	0.773002	1
## 12401	85.76688	0.485085	1
## 20163	122.45100	0.402629	1
## 16267	104.76432	0.392251	1
## 21086	115.80756	0.218808	1
## 18260	137.09174	0.723928	-1
## 11868	78.02728	0.523964	1
## 15549	97.54455	0.534958	1
## 5362	116.02383	0.281790	-1
## 4655	100.62551	0.879676	1
## 18565	130.70085	0.308621	-1
## 14251	103.06033	0.533983	-1
## 10691	103.78706	0.458765	1
## 20877	126.05733	0.352513	1
## 732	98.55800	0.533058	1
## 10332	138.50320	0.643377	1
## 10040	150.96552	0.641316	-1
## 15970	124.21422	0.430496	1
## 18409	91.73567	0.418188	1
## 2869	128.56151	0.422840	1
## 16589	124.72389	0.704722	1
## 20108	126.83322	0.552707	1
## 1639	111.90424	0.893616	-1
## 22401	145.13571	0.277407	-1
## 292	142.28404	0.467853	1
## 21582	122.87026	0.649042	-1
## 15936	130.97769	0.620396	-1
## 7080	97.98579	0.533580	1
## 7731	138.43588	0.464358	1
## 6373	126.32002	0.644464	1
## 13748	135.35658	0.379859	-1
## 22015	121.68937	0.882755	-1
## 19671	123.90885	0.152230	-1
## 11104	140.16835	0.691935	-1
## 449	92.74784	0.621109	1
## 8206	103.06940	0.418660	1
## 11846	140.95868	0.281934	1
## 16438	102.26346	0.701384	1

## 1054	157.53130	0.639147	-1
## 1908	137.29985	0.232234	-1
## 15292	157.29892	0.406466	1
## 3440	115.66333	0.615800	-1
## 4536	109.18354	0.847381	1
## 9516	120.04552	0.318195	1
## 15371	85.35561	0.282520	1
## 15779	128.22624	0.484915	1
## 22161	102.03631	0.717960	1
## 17739	140.15457	0.696388	-1
## 8885	126.05918	0.339958	-1
## 1053	157.91077	0.767765	-1
## 1022	137.70567	0.700267	-1
## 17267	132.12639	0.416649	-1
## 11006	130.74805	0.725282	-1
## 1675	111.95184	0.453078	-1
## 3576	141.88565	0.523626	-1
## 19241	89.50056	0.307330	1
## 22055	116.29320	0.428496	1
## 3644	119.25221	0.666218	1
## 529	96.02415	0.420580	1
## 14698	101.25790	0.864205	1
## 1123	88.71550	0.227432	1
## 14869	127.78256	0.480823	1
## 21923	152.40288	0.781541	-1
## 17849	127.95276	0.234833	1
## 17506	121.69494	0.738146	1
## 2360	78.60613	0.390015	1
## 12196	113.85290	0.212880	-1
## 8304	102.19421	0.521356	1
## 9153	126.62600	0.578837	-1
## 13952	131.22208	0.332883	1
## 7249	134.90964	0.339133	-1
## 22158	103.82511	0.632160	1
## 19266	128.94403	0.683911	-1
## 19354	136.99504	0.528124	-1
## 17155	129.22618	0.519367	-1
## 13655	101.28338	0.320969	1
## 14743	122.60671	0.680910	1
## 8628	133.94566	0.581249	-1
## 4686	124.28414	0.563683	1
## 8189	63.01299	0.469036	1
## 16060	94.63923	0.246600	1
## 1583	132.39528	0.773067	-1
## 21812	147.56865	0.574126	1
## 19127	106.80069	0.344833	1
## 6234	147.98843	0.488927	1
## 9232	135.73677	0.292434	-1
## 3978	144.06255	0.948975	-1
## 22440	134.90836	0.655405	-1
## 6283	143.98022	0.685111	-1
## 16016	120.00781	0.593654	1
## 5403	132.72919	0.723556	-1
## 9489	133.60092	0.681557	1

## 6172	95.41039	0.403289	1
## 20603	129.78409	0.597344	1
## 17289	107.94791	0.293180	-1
## 3310	130.99687	0.327703	-1
## 10441	95.21193	0.699919	1
## 3829	140.97644	0.792966	-1
## 6489	145.35130	0.595530	-1
## 19833	114.57929	0.324959	1
## 17292	79.88973	0.362745	-1
## 3431	108.25082	0.959667	-1
## 14269	107.38187	0.453753	-1
## 14392	95.11922	0.494615	1
## 3648	115.51882	0.532950	1
## 19450	128.12965	0.565426	1
## 5961	112.86958	0.880897	1
## 16669	110.89073	0.481760	1
## 7886	137.98445	0.434544	-1
## 12921	118.75886	0.772772	1
## 10797	96.87495	0.334535	1
## 5340	94.15482	0.512212	-1
## 3124	97.30602	0.481663	1
## 9143	133.79135	0.470487	-1
## 19975	115.82464	0.365101	1
## 6760	82.70858	0.361870	-1
## 4892	96.98659	0.797626	1
## 18664	113.83498	0.716621	1
## 20678	111.23393	0.441296	-1
## 20073	97.69944	0.467045	1
## 20813	108.76202	0.299996	1
## 6803	143.99612	0.348803	-1
## 5602	136.43411	0.399236	-1
## 4803	101.58042	0.494867	1
## 16856	131.85271	0.528273	1
## 13825	139.21823	0.215922	1
## 11001	130.65291	0.628172	-1
## 1097	112.52332	0.626456	1
## 4555	109.07452	0.831626	1
## 3771	132.04111	0.539529	1
## 10095	136.76599	0.355709	1
## 16072	113.72154	0.765438	1
## 14478	132.04373	0.377885	-1
## 15522	142.19247	0.425629	1
## 21382	134.49780	0.218353	1
## 6814	145.37381	0.672581	-1
## 16541	106.87992	0.786909	1
## 306	128.47899	0.442236	1
## 656	106.01811	0.638657	1
## 1720	117.63127	0.753140	-1
## 9861	117.41646	0.549988	1
## 1282	94.43947	0.498795	1
## 12057	140.34596	0.404479	1
## 8844	109.68261	0.616174	1
## 6486	132.03124	0.717084	-1
## 3982	108.57680	0.748378	-1

## 21753	106.99656	0.539227	-1
## 12493	74.41988	0.620785	1
## 14151	125.60728	0.675561	1
## 17969	134.14259	0.549765	1
## 1494	145.53397	0.907501	-1
## 11157	138.42882	0.249062	-1
## 19825	163.55962	0.355062	1
## 18522	126.77090	0.640544	-1
## 15382	131.54739	0.875955	1
## 12020	92.17123	0.544178	1
## 12767	94.12661	0.660732	1
## 19577	105.62794	0.308775	-1
## 14351	130.57169	0.752584	1
## 6308	150.67694	0.750576	-1
## 17847	104.84156	0.486133	1
## 15013	124.20146	0.526300	1
## 15167	128.82265	0.839686	1
## 11616	116.96096	0.529894	1
## 6316	146.37897	0.794065	-1
## 2121	128.19566	0.502891	-1
## 1658	106.32247	0.795008	-1
## 18902	114.85250	0.281429	1
## 10776	120.75442	0.465903	1
## 1703	151.05328	0.791366	-1
## 2338	104.20911	0.874192	1
## 2680	122.55067	0.703238	-1
## 6431	104.52982	0.425534	1
## 20415	128.01674	0.563370	-1
## 9894	123.46969	0.253285	1
## 250	111.18281	0.533034	1
## 4035	108.54787	0.758152	-1
## 10322	115.84402	0.378515	1
## 22543	116.79937	0.293860	1
## 3989	132.36916	0.872085	-1
## 18916	152.89670	0.673195	1
## 12631	116.79987	0.407319	1
## 8811	153.46922	0.599902	1
## 6960	116.41033	0.810284	1
## 14405	131.82161	0.439242	-1
## 9938	140.84822	0.700792	-1
## 15672	116.78754	0.591141	1
## 10559	88.81800	0.218251	1
## 15915	123.21406	0.556034	-1
## 17833	108.22344	0.534660	1
## 8356	126.36462	0.414270	1
## 13005	112.01988	0.837219	1
## 13041	94.09544	0.503576	1
## 15316	120.91937	0.150625	1
## 15254	143.03485	0.421258	1
## 9463	97.94144	0.294264	1
## 17900	135.08978	0.686144	-1
## 4551	91.34065	0.822668	1
## 13919	90.77385	0.658434	1
## 2333	144.69138	0.479038	-1

## 12647	135.04385	0.620386	1
## 20216	114.74745	0.533913	1
## 2050	122.43803	0.444935	1
## 13175	91.09508	0.202977	1
## 16154	129.48010	0.783648	1
## 19391	114.53217	0.380900	-1
## 19069	150.45172	0.340714	1
## 20386	130.71365	0.257682	-1
## 9168	120.18253	0.395250	-1
## 13066	148.23721	0.721120	-1
## 2529	115.78596	0.607446	1
## 11213	119.74705	0.364018	-1
## 1621	105.07919	0.578616	-1
## 21191	113.51115	0.517546	-1
## 17348	101.63441	0.515299	1
## 16307	125.02041	0.393139	1
## 2600	119.09671	0.672047	1
## 17437	143.74158	0.420725	-1
## 7329	109.51663	0.397766	1
## 16626	119.34856	0.524750	1
## 5380	158.28249	0.338564	-1
## 7372	136.01254	0.486545	-1
## 21264	148.52608	0.307139	-1
## 18869	116.05346	0.298211	1
## 7156	144.88409	0.580175	-1
## 13469	158.72983	0.386996	1
## 9896	115.25819	0.197560	1
## 13342	133.95920	0.528531	1
## 2187	118.79662	0.447872	-1
## 9731	98.27573	0.390283	1
## 3950	112.53776	0.378296	1
## 9472	107.97005	0.761788	1
## 20510	151.91103	0.732189	-1
## 15564	102.49976	0.436184	1
## 736	80.21829	0.253967	1
## 14779	93.24342	0.546798	1
## 12858	111.26893	0.206354	1
## 1410	149.25220	0.877933	-1
## 1920	101.86379	0.059414	-1
## 14960	103.47875	0.801041	1
## 2682	117.20330	0.617090	-1
## 16472	123.53443	0.279682	1
## 12668	104.10379	0.731677	1
## 5123	147.29077	0.786427	-1
## 5897	152.06189	0.640331	-1
## 20133	116.26779	0.338068	1
## 9614	131.02191	0.325982	-1
## 13110	94.13469	0.686333	1
## 12968	150.90924	0.592109	1
## 11917	107.22187	0.216843	1
## 12818	111.91248	0.615793	1
## 6188	119.92998	0.680557	1
## 3240	142.64899	0.529318	-1
## 8580	90.23894	0.386850	1

## 10894	110.38585	0.538926	1
## 6958	134.75279	0.497540	1
## 2491	93.39825	0.467756	1
## 11744	146.75821	0.715786	-1
## 13716	140.27325	0.335566	1
## 11473	93.96497	0.727105	1
## 19936	135.08032	0.668608	1
## 17384	112.37671	0.512350	1
## 13239	145.96890	0.547648	-1
## 11598	102.57636	0.351362	1
## 11013	133.72638	0.544228	-1
## 16234	116.96358	0.769131	1
## 20235	138.03940	0.598649	1
## 1404	147.00162	0.803403	-1
## 21418	118.10142	0.431687	1
## 12863	152.80453	0.309711	1
## 10571	100.20893	0.619978	1
## 417	127.81387	0.427515	1
## 20070	123.96735	0.237485	1
## 21513	138.45096	0.375398	-1
## 7275	115.88333	0.780586	1
## 3567	100.55164	0.923481	-1
## 11390	98.17529	0.665167	1
## 7864	138.40085	0.705118	1
## 21432	142.57098	0.658390	-1
## 21609	108.43640	0.523319	1
## 4850	90.56960	0.515666	1
## 22382	140.57567	0.638397	-1
## 10257	144.84326	0.858695	1
## 15306	110.42988	0.456100	1
## 6799	128.05783	0.535487	-1
## 12686	136.53687	0.750701	1
## 4716	89.82555	0.306547	1
## 9235	129.42238	0.673855	-1
## 8682	138.10359	0.371994	1
## 5207	131.53545	0.678116	-1
## 10159	121.58765	0.588707	1
## 3608	93.78560	0.468912	-1
## 561	61.20042	0.559153	1
## 487	97.94417	0.792764	1
## 12391	127.10123	0.489478	1
## 10839	89.55374	0.614158	1
## 18067	90.68175	0.683204	-1
## 12623	109.99584	0.507924	1
## 83	117.44501	0.511650	1
## 14644	83.92598	0.302953	-1
## 22274	89.98869	0.518882	1
## 14174	124.00293	0.332296	-1
## 17728	108.79271	0.696247	1
## 3724	127.83948	0.899618	-1
## 12683	125.24890	0.708633	1
## 21094	136.77353	0.342441	1
## 18959	130.06773	0.417391	1
## 16107	139.58557	0.418052	1

## 22394	140.55522	0.640571	-1
## 6204	110.17046	0.586908	1
## 19211	133.82803	0.521030	1
## 958	81.44163	0.696239	1
## 11654	133.68515	0.212412	1
## 3306	120.23794	0.791077	-1
## 7699	136.40703	0.612221	-1
## 4483	95.10126	0.280428	1
## 19186	133.19347	0.415972	1
## 21066	134.16446	0.696196	1
## 2679	117.73016	0.597650	-1
## 5513	111.97083	0.577179	1
## 16701	105.23782	0.847237	1
## 22512	95.86868	0.413702	1
## 14892	97.88863	0.620616	1
## 20162	143.90126	0.577260	1
## 18741	121.82820	0.203921	1
## 13828	122.23350	0.264682	1
## 6887	156.68372	0.708224	-1
## 15239	101.44635	0.441726	1
## 5817	119.64871	0.214817	1
## 5411	125.77662	0.607004	-1
## 9108	126.74485	0.190883	1
## 64	125.94299	0.664024	1
## 1400	146.19252	0.814523	-1
## 4258	90.58375	0.672064	1
## 9225	126.03300	0.608490	-1
## 4459	106.25588	0.732116	1
## 21942	154.51874	0.685897	-1
## 15866	124.96497	0.433610	-1
## 15767	88.58200	0.180241	1
## 22391	132.23999	0.435076	-1
## 14924	110.25607	0.641034	1
## 16516	132.41031	0.240453	1
## 21958	145.63275	0.670024	-1
## 14139	102.73190	0.230416	1
## 21481	125.88357	0.757846	-1
## 21544	113.89229	0.274644	-1
## 12757	100.30256	0.620969	1
## 13440	83.80258	0.304596	1
## 8032	114.13366	0.503778	-1
## 13343	117.72849	0.611445	1
## 12894	111.52774	0.524271	1
## 12357	123.00054	0.402990	-1
## 21498	116.21659	0.538992	-1
## 10736	124.30148	0.464206	1
## 915	114.13975	0.438526	-1
## 12452	104.63714	0.239872	1
## 2502	107.53941	0.824963	1
## 18864	146.78708	0.696507	-1
## 11836	106.36173	0.328193	1
## 13179	138.24324	0.338786	1
## 3112	122.82916	0.795638	-1
## 17274	117.97889	0.413511	-1

## 8920	150.13194	0.684236	-1
## 13555	95.50367	0.325076	1
## 12605	122.35034	0.537160	1
## 7320	112.98890	0.374963	1
## 9257	101.95177	0.316519	1
## 8836	121.55322	0.336805	1
## 735	104.21882	0.356102	1
## 11155	150.42108	0.671869	-1
## 16577	103.19159	0.889273	1
## 1699	108.13458	0.823844	-1
## 10458	115.38049	0.575813	1
## 15295	160.24684	0.589144	1
## 6651	147.95949	0.355351	-1
## 3452	133.42444	0.490588	-1
## 6003	109.09800	0.306136	1
## 18073	119.10300	0.826891	-1
## 1001	109.44228	0.844454	-1
## 22207	137.80125	0.444406	-1
## 3697	144.06296	0.696615	-1
## 11019	117.72250	0.633110	-1
## 6174	91.83919	0.547320	1
## 2023	111.13296	0.903064	1
## 9784	126.77347	0.455944	-1
## 7762	101.79491	0.308889	1
## 14071	153.03481	0.509010	-1
## 16007	134.18367	0.313552	1
## 2597	106.04897	0.380121	-1
## 1458	137.26656	0.591277	1
## 12579	76.29559	0.267312	1
## 14589	120.86951	0.153700	-1
## 14806	122.68844	0.594217	1
## 1753	123.75017	0.812467	1
## 4802	100.84255	0.305537	1
## 21908	115.61231	0.378683	-1
## 1942	103.03201	0.279998	-1
## 18548	114.82982	0.321629	-1
## 10390	89.82597	0.231391	1
## 17316	111.89665	0.781691	-1
## 7318	87.12482	0.528064	1
## 9723	134.05307	0.774788	1
## 17030	95.76675	0.669887	1
## 9029	105.49434	0.471946	1
## 13685	115.12099	0.659804	1
## 12438	117.56100	0.404456	1
## 9460	90.38870	0.223214	1
## 16085	116.08701	0.709408	1
## 7806	135.56538	0.836780	1
## 8138	93.14428	0.458742	1
## 6702	107.18782	0.469366	-1
## 20533	146.37526	0.781839	-1
## 1134	128.73569	0.351457	-1
## 18091	154.30724	0.653889	-1
## 11341	84.55598	0.686587	1
## 7896	119.76451	0.540267	-1

## 10033	142.28133	0.669391	-1
## 12752	86.97581	0.712376	1
## 12156	122.98143	0.141364	-1
## 14882	84.72786	0.818002	1
## 8988	137.70480	0.300156	-1
## 11709	145.70364	0.499128	-1
## 12430	106.15842	0.431248	1
## 6938	131.15428	0.349711	1
## 10821	80.77274	0.532447	1
## 21419	138.45261	0.548085	1
## 12372	121.03024	0.340340	-1
## 16688	97.28400	0.450157	1
## 19663	137.85147	0.191599	-1
## 7525	91.08536	0.514886	1
## 17952	152.54298	0.685840	-1
## 11666	137.20055	0.272743	1
## 22157	113.41510	0.426906	-1
## 3271	111.21314	0.408835	-1
## 472	114.10831	0.324843	1
## 17092	113.94179	0.428028	-1
## 12545	113.61812	0.793042	1
## 19250	127.02775	0.437615	-1
## 8741	110.57265	0.511737	1
## 21323	132.88831	0.718403	1
## 13863	136.30942	0.516150	1
## 7742	123.64178	0.330359	1
## 3063	86.03833	0.524901	1
## 13183	108.10910	0.219994	1
## 3784	116.61734	0.474284	1
## 19265	103.25583	0.609716	-1
## 11727	153.08949	0.643378	-1
## 7081	99.32282	0.517432	1
## 9084	126.12717	0.178368	1
## 17347	91.67278	0.445994	1
## 18663	125.31946	0.654301	1
## 16123	85.30904	0.478707	1
## 15759	111.69573	0.656545	1
## 994	147.80586	0.755128	-1
## 8070	128.23715	0.613600	-1
## 284	112.61784	0.403760	1
## 16960	98.33898	0.727251	1
## 20166	153.22235	0.564525	1
## 2587	130.03836	0.513626	-1
## 13506	130.38600	0.315667	-1
## 4860	113.72583	0.278591	1
## 20939	121.89903	0.516510	1
## 10789	122.89334	0.732841	1
## 2179	91.94568	0.786016	1
## 6560	128.47858	0.654969	1
## 10403	93.12907	0.712107	1
## 16418	123.26248	0.419432	1
## 12851	94.03602	0.300168	1
## 16930	101.47098	0.784405	1
## 4467	125.23953	0.655783	1

## 2563	143.02783	0.595251	-1
## 17015	141.89587	0.411983	1
## 4685	114.61442	0.718580	1
## 63	130.32459	0.768905	1
## 14725	109.56826	0.360907	1
## 14344	134.33951	0.668346	1
## 22348	118.34899	0.492465	1
## 9464	120.78919	0.262810	1
## 11881	113.70999	0.291535	1
## 5247	127.58659	0.703489	1
## 14712	95.30780	0.248640	1
## 21144	140.97243	0.688735	1
## 3441	115.89349	0.749358	-1
## 9015	116.30149	0.671939	1
## 11056	119.32522	0.677544	-1
## 3609	89.22756	0.506137	-1
## 13865	136.82715	0.497555	1
## 215	76.79960	0.787861	1
## 19822	128.22604	0.212306	1
## 21756	105.52718	0.704864	-1
## 20525	154.40239	0.750408	-1
## 8693	103.30094	0.395795	1
## 10230	123.00305	0.895413	1
## 9593	105.16969	0.376459	-1
## 7530	144.22867	0.367322	-1
## 9929	135.71484	0.556879	-1
## 4145	100.70141	0.450132	1
## 21944	155.10599	0.698519	-1
## 5546	140.31618	0.278804	-1
## 18814	138.66538	0.404065	-1
## 22020	130.42525	0.428876	-1
## 4910	88.41189	0.827415	1
## 19237	112.27048	0.252215	1
## 15659	128.07346	0.389353	1
## 7418	82.15475	0.472184	1
## 16983	116.88498	0.366475	1
## 6004	129.94943	0.580838	1
## 1832	151.09245	0.731606	1
## 17170	91.73654	0.513634	-1
## 13383	129.39055	0.509179	1
## 15754	110.39830	0.825807	1
## 2221	123.85484	0.554543	-1
## 4501	108.23609	0.473678	1
## 11088	96.02010	0.352999	-1
## 3459	120.48256	0.494038	-1
## 5736	115.03928	0.769154	1
## 6353	105.36415	0.556202	1
## 6920	128.54439	0.807097	1
## 18841	116.18607	0.586742	-1
## 22066	111.42516	0.303399	1
## 19361	129.83141	0.446358	-1
## 16044	114.75743	0.806736	1
## 15904	100.74124	0.298743	-1
## 19096	161.14615	0.558085	1

## 6153	100.49901	0.271998	1
## 14284	115.88377	0.302835	-1
## 7414	142.52193	0.722831	1
## 9783	144.45006	0.324670	-1
## 16492	100.73775	0.505516	1
## 465	101.31110	0.284959	1
## 14917	99.56982	0.723314	1
## 13384	154.90398	0.665686	1
## 11168	126.25856	0.809915	1
## 11944	112.75756	0.843839	1
## 11532	107.68052	0.748972	1
## 1293	79.95259	0.336432	1
## 15728	123.37188	0.303003	-1
## 16496	119.97017	0.831543	1
## 16005	128.79033	0.441135	1
## 11261	123.13763	0.443764	-1
## 5426	129.26689	0.367716	1
## 20327	144.56221	0.490514	1
## 8627	144.85965	0.492246	-1
## 20553	144.23946	0.424180	-1
## 5747	100.17693	0.320862	1
## 19024	116.87052	0.279981	1
## 13423	119.23393	0.332444	1
## 10682	90.05231	0.632386	1
## 1294	87.13799	0.319496	1
## 6888	143.54489	0.681065	-1
## 4822	113.26998	0.785472	1
## 20742	155.22183	0.585920	-1
## 842	98.43892	0.372315	1
## 14593	132.38698	0.284150	-1
## 22257	131.46518	0.504501	1
## 19867	133.61502	0.267826	-1
## 20347	148.43146	0.660317	-1
## 19192	110.10805	0.435055	1
## 1573	135.78363	0.382169	-1
## 10600	94.29502	0.461341	1
## 15112	143.81363	0.635228	1
## 6138	145.80006	0.665006	-1
## 4169	88.26776	0.718170	-1
## 14007	117.93156	0.515111	-1
## 437	97.98518	0.293836	1
## 9422	106.74791	0.352521	-1
## 6764	84.35792	0.685113	-1
## 17510	114.25907	0.688469	1
## 10633	112.50051	0.252585	1
## 16335	128.43333	0.712458	1
## 14653	119.10844	0.338935	-1
## 190	112.78797	0.250772	1
## 11421	114.59478	0.427455	1
## 11908	112.58787	0.481425	1
## 10787	100.42701	0.565645	1
## 21563	137.60849	0.187642	-1
## 3433	129.00404	0.763757	-1
## 7639	127.20655	0.879775	1

## 2886	104.20554	0.621503	1
## 15334	93.59123	0.742010	1
## 17203	97.74565	0.659429	-1
## 12685	126.02586	0.545387	1
## 9649	80.48471	0.402780	1
## 1719	141.99265	0.735375	-1
## 4165	140.13933	0.670319	-1
## 10249	109.33665	0.735397	1
## 353	83.04929	0.417908	1
## 13375	114.67824	0.572722	1
## 2951	108.26840	0.582407	1
## 16287	92.55689	0.574920	1
## 20633	115.96684	0.212208	1
## 20881	113.05312	0.336198	1
## 18594	136.94981	0.380675	-1
## 8558	111.96858	0.270155	1
## 7902	99.83884	0.375444	-1
## 12724	80.99815	0.796470	1
## 1312	97.63573	0.599301	1
## 4698	110.32119	0.556052	1
## 19033	129.76363	0.760836	1
## 6212	106.57061	0.745883	1
## 741	99.26479	0.808231	1
## 10480	120.50764	0.518283	1
## 15827	100.26885	0.284718	1
## 4455	100.89523	0.750914	1
## 8729	119.01407	0.689011	1
## 3190	108.51766	0.626510	1
## 2368	112.10922	0.780120	1
## 4292	86.71801	0.549956	1
## 20494	140.77527	0.737626	-1
## 496	87.45610	0.483224	1
## 7197	160.00517	0.301199	-1
## 9567	110.17065	0.290173	-1
## 3875	110.16540	0.302907	1
## 17284	124.90809	0.623546	-1
## 4670	102.04343	0.293529	1
## 8151	121.75721	0.772241	1
## 10154	109.12317	0.584481	1
## 15383	117.40874	0.538159	1
## 21292	130.50490	0.361402	-1
## 16443	107.21491	0.783012	1
## 7034	145.97357	0.634592	-1
## 1544	81.93063	0.383089	-1
## 21289	123.92156	0.395083	-1
## 20629	133.67230	0.914644	1
## 7781	114.79750	0.381021	1
## 493	114.12067	0.388191	1
## 13266	143.14465	0.697173	-1
## 12116	105.09979	0.445809	-1
## 9326	121.66645	0.277180	1
## 6060	143.50326	0.771600	-1
## 7207	143.86670	0.410669	-1
## 8916	133.61658	0.772759	-1

## 9126	118.72553	0.798383	-1
## 10439	100.18919	0.459300	1
## 2564	108.25674	0.630249	-1
## 4272	116.95530	0.436382	1
## 5382	122.27939	0.402827	-1
## 11914	104.51930	0.366351	1
## 14353	137.89822	0.797336	1
## 12370	131.43909	0.320679	-1
## 2268	140.44661	0.533225	1
## 803	136.77103	0.433087	1
## 2425	97.91765	0.832414	1
## 3571	152.47875	0.941013	-1
## 9545	135.90665	0.229383	-1
## 11371	82.33457	0.480673	1
## 13598	125.61012	0.554476	1
## 9563	135.93524	0.338676	-1
## 2424	103.10695	0.498594	1
## 9071	119.73788	0.368758	1
## 19374	129.86208	0.271807	-1
## 2125	131.49445	0.705534	-1
## 17499	126.91687	0.758899	1
## 661	102.36043	0.413719	1
## 16806	128.22798	0.812261	1
## 767	105.25726	0.906000	1
## 12185	152.68242	0.515137	-1
## 22221	136.92009	0.488927	-1
## 7215	90.09267	0.311992	-1
## 4300	93.21675	0.716366	1
## 9707	93.52773	0.270001	1
## 17417	136.95662	0.321325	-1
## 16410	87.82963	0.369799	1
## 14407	145.58707	0.398846	-1
## 15984	95.04981	0.604582	1
## 6231	138.36638	0.696707	1
## 5057	91.78256	0.285468	1
## 349	92.16812	0.383314	1
## 1415	147.45947	0.699507	-1
## 5274	63.52938	0.616842	1
## 17653	108.70143	0.241145	1
## 15645	113.56091	0.554070	-1
## 4634	84.42526	0.825018	1
## 19228	111.71548	0.555024	1
## 21511	137.41144	0.321391	-1
## 19249	134.72989	0.361526	-1
## 13074	155.93443	0.751865	-1
## 4916	115.65017	0.403388	1
## 17878	130.36906	0.590478	1
## 19933	140.83318	0.822826	1
## 3922	113.40037	0.537951	1
## 13816	130.18018	0.780555	1
## 9822	133.96927	0.250942	1
## 8174	92.59480	0.570117	1
## 5332	128.59242	0.520144	-1
## 2080	93.86007	0.228263	1

```

## 1646      127.27700      0.721570      -1
## 20299     141.52954      0.630228       1
## 3337     124.98862      0.554343       1
## 21877      92.85147      0.269334       1
## 21577     117.95445      0.815650      -1
## 7269     103.53706      0.685121       1
## 7296      66.83836      0.667389       1
## 1231     122.50846      0.973249       1
## 18370      97.08639      0.445614       1
## 4733     107.41553      0.693967       1
## 9045     128.76045      0.752055       1
## 8413      75.93372      0.226366       1
## 21155     119.93909      0.215172       1
## 16700     101.58170      0.458905       1
## 2314     133.62909      0.632676      -1
## 3116     140.70941      0.951593      -1
## 5423     133.98384      0.240982       1
## 9780     127.86974      0.590156      -1
## 8420     106.98172      0.800103       1
## 19901     132.72508      0.400839       1
## 9371     110.43778      0.370358       1
## 21202     113.45450      0.625500      -1
## 8315     111.16368      0.465091       1
## 14050     143.96915      0.665305      -1
## 13278     152.11937      0.752193      -1
## 1807     146.39302      0.811309      -1
## 3092     129.86209      0.951379      -1
## 543       99.58562      0.440339       1
## 21854     132.50111      0.744243       1
## 10847      87.63689      0.637518       1
## 15354      95.21121      0.662656       1
## 7142     126.55481      0.491467      -1
## 10221     113.94991      0.812200       1
## 8986     128.43520      0.522025      -1
## 11871     100.84784      0.460214       1
## 1609     133.26579      0.724744      -1
## 2281      90.57717      0.394643       1
## 8816     147.07181      0.545890       1
## 4278     110.75949      0.776110       1
## [ reached 'max' / getOption("max.print") -- omitted 8037 rows ]

```

Testing Data

```

##      shot_length frame_diff_dist_mn short_time_energy_mn   zcr_mn
## 4           25      41.382828      0.014387 0.069875
## 6           25      27.195999      0.012956 0.068125
## 9           81       6.858030      0.016380 0.110147
## 18          37       9.313793      0.010304 0.090541
## 19          30      12.463446      0.005663 0.126667
## 20         101       6.009381      0.018699 0.101516
## 21         132      17.559553      0.011665 0.121425
## 24          32       1.332545      0.010307 0.086914
## 29         123       3.901220      0.009112 0.145046
## 31          95      16.473642      0.015226 0.122961

```

## 38	37	10.605258	0.017769	0.099409
## 42	293	12.224495	0.014039	0.111764
## 43	25	12.486286	0.022026	0.060750
## 44	42	8.168202	0.017617	0.125446
## 46	38	16.891087	0.022751	0.100164
## 47	25	14.603621	0.022132	0.103250
## 48	34	2.408906	0.020941	0.100827
## 52	80	10.712472	0.014135	0.119648
## 55	92	16.865772	0.017419	0.085700
## 59	27	3.949047	0.012234	0.154977
## 61	59	4.893620	0.011456	0.101430
## 68	113	4.497995	0.014235	0.071847
## 71	39	19.300253	0.009800	0.085817
## 73	37	12.377335	0.022842	0.081841
## 84	202	6.637605	0.014946	0.096782
## 100	63	10.586459	0.010395	0.114484
## 109	28	3.578867	0.026276	0.062277
## 114	32	11.431636	0.015659	0.102930
## 117	41	7.986985	0.011482	0.070427
## 121	25	44.873192	0.011429	0.104375
## 126	101	13.925160	0.023339	0.117420
## 129	43	7.827367	0.016724	0.126163
## 135	25	51.592777	0.018261	0.115125
## 147	67	24.395987	0.015890	0.093050
## 166	77	3.609308	0.015459	0.127922
## 167	46	12.075412	0.014957	0.122351
## 169	46	4.550580	0.012390	0.105842
## 172	27	10.369988	0.017357	0.086921
## 175	41	2.531186	0.018780	0.063567
## 178	29	1.407615	0.018658	0.066056
## 187	83	8.731868	0.008929	0.073042
## 188	25	18.079477	0.018288	0.100000
## 194	43	6.073125	0.015859	0.094840
## 212	25	11.710523	0.015909	0.096000
## 213	29	1.576196	0.012021	0.117349
## 221	61	14.144111	0.021870	0.147541
## 226	43	15.125663	0.020325	0.093387
## 229	93	7.593260	0.022080	0.124563
## 230	111	8.502557	0.021901	0.118215
## 236	252	10.954070	0.016159	0.182775
## 237	34	11.155703	0.030647	0.080515
## 240	26	7.839759	0.008313	0.055529
## 242	59	35.417519	0.016566	0.117426
## 248	124	3.755118	0.016452	0.085232
## 249	46	4.035046	0.013656	0.081658
## 251	44	7.549477	0.018343	0.087642
## 255	65	21.960102	0.011421	0.080192
## 262	45	25.651972	0.011517	0.106111
## 263	74	25.969610	0.010959	0.092399
## 267	25	50.393261	0.022504	0.053750
## 275	31	26.179148	0.016641	0.086895
## 276	30	18.678539	0.018045	0.077083
## 286	31	14.512700	0.020084	0.101008
## 297	32	23.814890	0.020089	0.102344

## 302	62	4.445807	0.020024 0.137500
## 309	67	13.405435	0.017694 0.128685
## 310	25	23.722893	0.019314 0.119250
## 312	29	14.801029	0.016988 0.148168
## 319	25	15.134369	0.013301 0.125625
## 330	101	15.781158	0.020934 0.124288
## 331	35	7.511174	0.018693 0.122679
## 334	31	11.418383	0.017602 0.118145
## 345	59	35.345791	0.019078 0.120233
## 372	131	4.548150	0.009149 0.144967
## 374	223	6.203784	0.006931 0.131656
## 383	35	11.448059	0.004755 0.167411
## 388	124	6.011533	0.005498 0.144632
## 390	47	4.951350	0.010587 0.109574
## 391	43	6.773956	0.008268 0.078634
## 397	46	1.677466	0.016275 0.140897
## 399	138	3.976328	0.012819 0.073437
## 400	31	2.334073	0.011619 0.064718
## 401	27	14.397559	0.011835 0.076620
## 406	39	10.238682	0.009687 0.120833
## 410	39	10.236383	0.012219 0.183173
## 416	52	2.659170	0.012084 0.083594
## 424	49	7.549893	0.008221 0.106059
## 432	25	12.400593	0.010995 0.119750
## 439	28	6.467594	0.009781 0.087277
## 442	94	2.953394	0.009932 0.088431
## 445	25	3.104577	0.007424 0.076875
## 451	49	1.469321	0.018575 0.080804
## 454	203	8.131144	0.013674 0.114624
## 456	34	2.656486	0.015926 0.139890
## 476	25	21.866997	0.013686 0.090750
## 477	26	3.663687	0.016335 0.090865
## 478	42	15.559587	0.017916 0.094345
## 480	43	13.122635	0.013835 0.091933
## 488	63	15.417964	0.013054 0.059325
## 498	25	8.096186	0.014787 0.123250
## 503	25	12.214688	0.016994 0.096875
## 506	36	16.626671	0.017212 0.106858
## 515	25	29.422110	0.022773 0.100125
## 516	79	14.104657	0.029575 0.051859
## 522	63	12.016686	0.011319 0.100893
## 535	35	12.910011	0.018721 0.058125
## 542	25	20.411610	0.015559 0.078250
## 547	25	13.680631	0.012301 0.052125
## 548	32	9.541720	0.018274 0.029297
## 556	35	10.386800	0.009626 0.075804
## 588	40	10.155230	0.016522 0.093281
## 596	27	22.316223	0.017680 0.087963
## 601	36	13.520147	0.014543 0.103038
## 602	35	17.422598	0.019634 0.082143
## 604	78	8.483450	0.018908 0.123117
## 605	41	5.429287	0.018358 0.098857
## 622	30	24.815977	0.022618 0.069375
## 624	37	8.138472	0.018804 0.100845

## 628	135	1.713888	0.022561 0.094005
## 643	39	20.311871	0.018916 0.082692
## 646	43	10.490386	0.017414 0.077108
## 651	25	3.831960	0.012337 0.082750
## 654	25	11.870400	0.013281 0.092750
## 655	29	4.752167	0.015215 0.099569
## 658	25	10.845786	0.015436 0.112250
## 659	44	6.403377	0.015918 0.100994
## 662	112	4.548127	0.018079 0.109654
## 669	25	10.946339	0.016988 0.127250
## 670	41	9.566200	0.010614 0.164482
## 674	36	22.621489	0.027549 0.056424
## 675	106	9.057294	0.022355 0.086822
## 681	25	23.897388	0.015214 0.089250
## 689	335	1.641229	0.014266 0.107649
## 690	272	1.651978	0.017305 0.099299
## 693	41	13.241477	0.011497 0.074543
## 695	41	2.763096	0.011178 0.095122
## 698	29	25.643328	0.011532 0.075216
## 699	26	6.100364	0.008784 0.061538
## 700	290	3.703933	0.017130 0.118858
## 701	281	2.681459	0.016109 0.129137
## 706	391	2.521877	0.014432 0.125360
## 709	300	2.035386	0.016291 0.119594
## 710	174	16.085201	0.014684 0.110022
## 717	255	5.499998	0.018229 0.095699
## 719	599	2.333894	0.016924 0.103902
## 724	88	5.702112	0.011910 0.104972
## 734	43	3.005036	0.018004 0.075218
## 740	33	7.800179	0.015862 0.085322
## 743	25	17.384829	0.013932 0.121375
## 763	95	1.268863	0.019249 0.096875
## 765	105	3.091556	0.025457 0.071964
## 780	97	11.121260	0.019003 0.095619
## 781	72	11.418902	0.019722 0.089453
## 782	220	4.083033	0.018798 0.089631
## 783	260	1.870535	0.020661 0.108534
## 788	130	9.604646	0.019261 0.104567
## 789	80	2.928973	0.015701 0.111367
## 791	135	2.504678	0.017812 0.083218
## 792	70	9.975502	0.015228 0.094777
## 806	25	14.640838	0.016291 0.072875
## 819	205	3.099300	0.016846 0.093354
## 823	1036	3.147527	0.014845 0.134134
## 825	126	3.803694	0.017341 0.101141
## 826	43	9.133017	0.014993 0.076599
## 827	114	5.365431	0.016665 0.103783
## 838	53	2.712890	0.022020 0.062677
## 841	93	5.669611	0.020890 0.072614
## 844	61	5.221579	0.020589 0.064908
## 846	44	10.858115	0.026431 0.033452
## 849	25	21.710499	0.017983 0.069125
## 851	57	19.633051	0.017843 0.080482
## 854	41	13.043179	0.018310 0.079040

## 859	80	5.739727	0.020842 0.081328
## 867	30	8.927836	0.015534 0.103437
## 870	25	13.978269	0.017827 0.094875
## 872	25	13.159403	0.017573 0.109625
## 889	176	4.885578	0.020192 0.110955
## 894	25	14.496103	0.015284 0.166500
## 898	441	2.456204	0.014611 0.153458
## 900	25	18.668665	0.014320 0.115750
## 907	25	23.521696	0.008660 0.269000
## 911	262	1.885589	0.015262 0.185842
## 912	196	2.992969	0.017212 0.143399
## 914	44	4.038948	0.010832 0.127202
## 917	33	11.470766	0.012469 0.104830
## 919	45	8.853973	0.016030 0.118750
## 920	80	9.379103	0.007068 0.163125
## 922	60	13.393625	0.024826 0.101406
## 923	33	24.583954	0.021086 0.087216
## 932	225	5.776083	0.016305 0.106944
## 943	174	4.764536	0.019336 0.114080
## 979	32	9.829373	0.017148 0.112500
## 1007	25	21.225336	0.018297 0.105125
## 1009	40	8.282210	0.010061 0.108047
## 1011	87	5.687543	0.012615 0.164440
## 1016	38	11.591578	0.012007 0.204770
## 1024	169	5.515435	0.014012 0.155455
## 1025	133	5.465432	0.016579 0.131720
## 1032	36	6.949230	0.012641 0.147569
## 1046	540	2.931333	0.013742 0.135440
## 1048	536	2.211196	0.013796 0.132020
## 1060	400	4.447555	0.014214 0.132789
## 1073	74	1.572682	0.014095 0.155954
## 1086	62	8.029851	0.018410 0.076411
## 1103	62	3.290651	0.020080 0.071270
## 1105	110	15.019637	0.018682 0.088352
## 1106	206	12.126119	0.019822 0.091626
## 1107	76	17.611532	0.015909 0.105428
## 1112	86	10.281656	0.017611 0.104142
## 1116	45	8.025811	0.028351 0.060625
## 1124	57	19.890274	0.022484 0.059430
## 1126	56	23.938749	0.018720 0.065402
## 1128	98	11.861804	0.019304 0.082047
## 1130	25	23.476763	0.019951 0.075625
## 1132	190	5.313617	0.021552 0.084441
## 1135	394	2.782628	0.015002 0.141355
## 1141	117	3.799660	0.016196 0.123371
## 1148	25	24.213341	0.011147 0.096375
## 1154	115	3.946219	0.015860 0.150897
## 1158	62	8.631704	0.016259 0.120010
## 1163	25	19.742119	0.015102 0.108375
## 1164	25	14.640865	0.012845 0.131375
## 1166	31	3.451866	0.015254 0.113810
## 1167	25	5.675025	0.016751 0.108500
## 1173	39	25.987850	0.012301 0.114103
## 1175	27	1.652668	0.010621 0.165509

## 1180	29	5.501326	0.019451 0.088470
## 1186	31	9.869729	0.022795 0.082157
## 1189	56	4.960447	0.020373 0.094420
## 1191	36	22.045383	0.022353 0.084809
## 1197	30	7.098247	0.021754 0.081562
## 1203	40	13.496393	0.016593 0.107813
## 1207	260	1.907972	0.016233 0.120144
## 1209	63	1.986333	0.016776 0.067460
## 1218	25	15.494479	0.012559 0.082875
## 1221	89	4.432748	0.018747 0.115871
## 1228	26	22.632347	0.012426 0.094952
## 1237	434	3.629902	0.017129 0.136773
## 1240	239	6.293541	0.016505 0.142887
## 1267	25	19.617102	0.019716 0.076750
## 1270	32	14.256178	0.019789 0.091992
## 1271	39	15.896077	0.017709 0.107692
## 1272	27	10.177736	0.014732 0.111806
## 1273	32	3.577121	0.018645 0.103906
## 1274	31	2.318486	0.016867 0.116431
## 1275	27	13.714216	0.018308 0.093634
## 1276	25	19.794523	0.016569 0.095375
## 1278	25	4.456662	0.016601 0.109125
## 1290	59	0.487648	0.016114 0.113400
## 1292	31	12.049921	0.016605 0.073891
## 1305	28	6.662931	0.019332 0.098884
## 1323	41	9.524506	0.013904 0.165625
## 1324	44	16.673738	0.016078 0.133523
## 1326	32	9.519566	0.024786 0.082227
## 1345	363	2.377214	0.013956 0.163843
## 1348	33	1.048421	0.000043 0.042140
## 1352	25	11.481239	0.000023 0.062875
## 1353	25	32.144665	0.000023 0.059500
## 1354	34	13.027579	0.013041 0.063143
## 1355	39	5.811603	0.010558 0.101122
## 1358	25	2.648149	0.011615 0.076375
## 1366	80	2.888477	0.017234 0.085195
## 1370	234	1.621213	0.015785 0.103125
## 1371	247	3.369455	0.015138 0.119028
## 1386	100	1.696162	0.019740 0.095562
## 1387	113	9.889507	0.018590 0.102185
## 1392	67	1.409937	0.021579 0.098741
## 1395	573	3.469390	0.013183 0.146177
## 1411	284	3.268315	0.014653 0.162676
## 1419	302	4.217829	0.017594 0.103766
## 1421	332	3.637167	0.018591 0.109008
## 1430	94	10.482793	0.021570 0.080718
## 1432	29	1.425009	0.023605 0.082974
## 1435	58	1.776880	0.018473 0.092672
## 1438	87	1.766727	0.021571 0.090661
## 1439	25	4.711363	0.015300 0.106125
## 1442	44	4.226068	0.015447 0.107315
## 1446	111	2.431383	0.020442 0.096791
## 1453	25	24.516228	0.014435 0.102875
## 1460	25	22.898273	0.019084 0.094625

## 1466	28	2.965302	0.017454	0.091295
## 1468	81	11.797623	0.015329	0.123997
## 1472	36	5.879541	0.020276	0.064497
## 1474	139	7.594611	0.016851	0.113759
## 1479	49	1.777306	0.022694	0.085140
## 1480	78	3.050264	0.019014	0.083734
## 1481	167	12.304461	0.018145	0.109600
## 1482	58	22.330309	0.017994	0.093265
## 1501	147	5.363389	0.015899	0.123363
## 1508	177	3.045186	0.017937	0.114619
## 1520	171	3.056676	0.018951	0.106140
## 1524	38	9.471538	0.020145	0.107072
## 1530	42	2.579719	0.012220	0.083482
## 1536	1063	2.931700	0.017257	0.095323
## 1537	864	3.025081	0.015984	0.099157
## 1540	43	6.923715	0.017174	0.085102
## 1562	25	12.568185	0.006328	0.101750
## 1593	321	3.727689	0.013795	0.150126
## 1598	33	1.605340	0.017423	0.099527
## 1605	154	5.051128	0.016295	0.123681
## 1606	151	3.309806	0.012995	0.123820
## 1625	517	4.046546	0.014111	0.123199
## 1628	357	3.533962	0.015777	0.115240
## 1636	785	4.554936	0.014911	0.135733
## 1640	120	2.577956	0.015871	0.128724
## 1641	277	2.665337	0.014368	0.160469
## 1643	189	6.116846	0.010424	0.129613
## 1645	334	3.921346	0.016278	0.120949
## 1651	67	3.311424	0.015891	0.121409
## 1656	25	21.128843	0.008170	0.114500
## 1657	102	4.887065	0.015897	0.115778
## 1669	229	2.988246	0.013197	0.128685
## 1672	110	4.624062	0.014818	0.127443
## 1678	97	3.588800	0.013703	0.107861
## 1679	385	2.889239	0.016049	0.114310
## 1684	498	2.753524	0.014053	0.121630
## 1701	65	6.984146	0.020443	0.128558
## 1702	35	4.035985	0.014242	0.112411
## 1707	147	2.563091	0.014405	0.109417
## 1711	57	3.299055	0.013404	0.105976
## 1717	37	1.962697	0.012007	0.114780
## 1718	1589	2.343315	0.015639	0.113845
## 1721	727	3.416055	0.019067	0.106069
## 1722	344	2.062526	0.019169	0.106259
## 1733	45	19.098503	0.017103	0.123750
## 1735	71	11.180521	0.019871	0.117077
## 1745	27	6.884754	0.019494	0.074190
## 1758	48	2.259328	0.014246	0.067448
## 1760	29	16.400290	0.012708	0.157974
## 1764	49	18.518536	0.016641	0.105485
## 1765	28	15.162710	0.016152	0.083705
## 1774	28	16.736671	0.015852	0.085826
## 1779	213	2.034390	0.019224	0.092298
## 1788	132	2.743665	0.016121	0.096520

## 1793	432	2.741031	0.015588 0.111343
## 1794	272	2.608823	0.013881 0.120186
## 1796	1572	2.751654	0.013542 0.137665
## 1797	113	12.523390	0.015209 0.126659
## 1800	35	5.102516	0.016717 0.107321
## 1801	54	2.286291	0.010531 0.123669
## 1806	90	1.235534	0.015265 0.108090
## 1821	355	2.797408	0.017618 0.123917
## 1826	26	7.831446	0.018836 0.096995
## 1834	41	9.550261	0.014171 0.130488
## 1838	36	22.748018	0.017727 0.119531
## 1840	122	7.658771	0.022360 0.090804
## 1860	266	11.486822	0.018623 0.090214
## 1869	68	7.970075	0.018473 0.109743
## 1875	106	18.702969	0.018449 0.112146
## 1877	25	14.542280	0.013318 0.106125
## 1881	132	3.234616	0.015774 0.104143
## 1893	288	3.084060	0.019287 0.084093
## 1895	332	2.738254	0.019566 0.094023
## 1915	25	5.489248	0.021284 0.099500
## 1923	47	26.054680	0.016454 0.151197
## 1929	34	16.965969	0.017729 0.115441
## 1931	25	3.701434	0.014996 0.117500
## 1932	26	23.587242	0.015649 0.136058
## 1939	25	24.403355	0.019151 0.087875
## 1941	89	3.474134	0.019490 0.103511
## 1943	89	4.352664	0.016928 0.104775
## 1944	84	9.055888	0.014272 0.116815
## 1948	169	12.059077	0.018386 0.120784
## 1958	25	5.972333	0.013300 0.106750
## 1964	332	9.174199	0.020612 0.085062
## 1971	25	1.641026	0.017582 0.084625
## 1972	99	14.359197	0.016285 0.081787
## 1973	275	7.183471	0.016677 0.110261
## 1986	744	2.918499	0.016690 0.110732
## 1987	155	2.988165	0.016195 0.115262
## 1990	515	5.492379	0.016794 0.123629
## 1995	243	3.698675	0.016067 0.115239
## 1996	42	5.486697	0.016909 0.100670
## 2004	995	9.707712	0.014189 0.144614
## 2008	144	6.564608	0.015640 0.142318
## 2009	158	6.621004	0.013626 0.131863
## 2010	858	3.255301	0.015036 0.129338
## 2013	250	5.686858	0.014694 0.124288
## 2018	90	7.979492	0.016571 0.111944
## 2024	43	17.586473	0.018349 0.097674
## 2026	54	3.615660	0.015986 0.095486
## 2028	189	11.051346	0.017477 0.107325
## 2030	43	5.020786	0.015708 0.118023
## 2037	38	4.553109	0.019705 0.096382
## 2038	25	13.060814	0.015825 0.078250
## 2048	45	14.130825	0.014471 0.094931
## 2052	25	2.454504	0.016117 0.103875
## 2058	46	1.004758	0.017947 0.090014

## 2068	53	2.711140	0.016636	0.098172
## 2073	45	8.017768	0.022612	0.057847
## 2075	51	7.514314	0.020492	0.063971
## 2083	56	23.846148	0.018632	0.081641
## 2090	227	3.590167	0.014475	0.125275
## 2093	25	16.209000	0.014725	0.131750
## 2096	364	2.512808	0.014908	0.101846
## 2102	37	3.996319	0.014204	0.104223
## 2109	25	15.731297	0.010041	0.127125
## 2110	322	3.770741	0.013734	0.134967
## 2111	751	2.409790	0.014585	0.140321
## 2123	390	2.319601	0.013399	0.149808
## 2137	114	10.116253	0.018534	0.116749
## 2140	48	0.927482	0.016825	0.099219
## 2146	35	20.538029	0.012153	0.083661
## 2152	25	33.747452	0.022097	0.092750
## 2158	135	2.729238	0.020708	0.097894
## 2159	90	8.269998	0.018319	0.112813
## 2172	47	3.188171	0.019896	0.082779
## 2183	399	8.289001	0.015174	0.130193
## 2184	53	6.227014	0.014440	0.128774
## 2188	231	3.028806	0.018770	0.089854
## 2189	261	4.193440	0.020721	0.094624
## 2197	195	22.431410	0.019620	0.080577
## 2200	154	2.485294	0.019263	0.084700
## 2203	128	4.269806	0.016346	0.119019
## 2206	112	3.518024	0.016786	0.117048
## 2216	55	8.032290	0.016184	0.095114
## 2228	54	31.213198	0.015733	0.093692
## 2229	43	14.315845	0.014913	0.100654
## 2231	25	25.432829	0.014432	0.079750
## 2235	74	6.245324	0.015935	0.101900
## 2241	65	18.031425	0.014968	0.095817
## 2246	29	13.065652	0.016834	0.093211
## 2248	25	14.325852	0.015612	0.077500
## 2250	72	12.765746	0.015483	0.098220
## 2252	25	49.699650	0.018165	0.084000
## 2254	25	20.580395	0.017152	0.083375
## 2257	44	10.321703	0.015322	0.094602
## 2262	64	12.661899	0.018271	0.085010
## 2272	25	11.949071	0.014639	0.084875
## 2282	25	13.688398	0.016929	0.073875
## 2287	134	1.697847	0.022463	0.100933
## 2301	364	9.715179	0.015037	0.123197
## 2303	152	2.003555	0.014982	0.113302
## 2311	185	5.741805	0.013017	0.115422
## 2312	69	2.447354	0.011814	0.273279
## 2320	82	12.616857	0.014568	0.136090
## 2323	38	11.019521	0.012546	0.142434
## 2331	169	5.258327	0.014263	0.150481
## 2339	89	3.295678	0.013342	0.135147
## 2344	26	12.699264	0.022089	0.086538
## 2349	26	1.314698	0.016073	0.113582
## 2359	32	38.143051	0.016102	0.058789

## 2364	43	8.783000	0.014792	0.067224
## 2376	26	2.379695	0.019424	0.103486
## 2384	1624	2.126674	0.016238	0.117932
## 2387	77	8.792731	0.015594	0.137865
## 2388	153	3.373363	0.016017	0.122141
## 2392	126	3.573904	0.015848	0.113269
## 2398	113	2.540516	0.019686	0.109928
## 2399	218	3.443372	0.017173	0.121287
## 2402	331	5.240077	0.017835	0.110074
## 2403	39	24.002907	0.001190	0.178205
## 2428	57	1.764955	0.016574	0.116118
## 2431	32	8.767513	0.016540	0.088184
## 2436	30	1.950850	0.015748	0.115000
## 2443	219	4.205273	0.020969	0.092737
## 2444	133	19.521318	0.017114	0.121640
## 2453	106	18.768843	0.021470	0.094575
## 2454	178	4.869689	0.018836	0.112693
## 2459	218	3.396759	0.019021	0.092919
## 2464	454	7.339590	0.012660	0.142580
## 2468	74	12.436456	0.014054	0.118286
## 2476	57	12.411420	0.011196	0.128673
## 2478	36	24.652498	0.014947	0.082813
## 2490	140	6.574642	0.015968	0.108281
## 2494	89	3.381024	0.016830	0.088413
## 2499	30	13.072606	0.013005	0.101563
## 2511	63	15.121862	0.019195	0.095288
## 2513	54	3.011096	0.013370	0.122917
## 2520	71	17.134909	0.019705	0.085871
## 2525	75	1.825035	0.021833	0.072792
## 2531	33	0.207687	0.018405	0.081723
## 2534	25	15.361693	0.017216	0.066250
## 2536	68	9.546116	0.017210	0.085340
## 2537	82	9.210938	0.017982	0.101829
## 2540	569	4.075287	0.015699	0.115768
## 2542	25	20.814852	0.015186	0.061000
## 2549	25	6.104054	0.013644	0.113500
## 2550	103	1.555473	0.017024	0.109769
## 2552	234	13.273555	0.016266	0.131330
## 2560	172	2.998792	0.013272	0.109411
## 2565	42	4.910395	0.012791	0.133036
## 2569	62	9.693948	0.010168	0.180998
## 2584	69	6.303471	0.010787	0.195969
## 2585	379	9.779880	0.011712	0.156036
## 2589	917	3.950002	0.014882	0.125477
## 2595	25	8.736912	0.018204	0.112375
## 2596	25	14.649374	0.013660	0.110250
## 2611	41	11.171789	0.022281	0.060366
## 2616	32	22.849173	0.017635	0.081250
## 2617	26	3.987123	0.016362	0.086298
## 2623	25	19.269678	0.014273	0.109500
## 2637	135	2.374907	0.018166	0.101042
## 2639	95	1.197446	0.015816	0.097763
## 2641	105	3.101312	0.025474	0.094315
## 2643	58	1.543057	0.018185	0.086692

## 2644	97	6.446969	0.015407 0.114562
## 2647	25	3.655624	0.015194 0.108250
## 2652	29	3.038772	0.016325 0.086207
## 2654	37	3.442521	0.014741 0.088260
## 2655	68	2.020846	0.014753 0.105055
## 2663	54	4.458519	0.013890 0.102431
## 2664	569	4.035587	0.014908 0.120958
## 2667	344	1.654037	0.015399 0.086601
## 2668	60	1.592529	0.016761 0.058490
## 2671	605	2.257918	0.013687 0.078585
## 2677	456	1.908814	0.013652 0.131367
## 2681	149	1.997124	0.013767 0.208159
## 2688	1339	2.572541	0.014100 0.142058
## 2693	77	3.134243	0.016912 0.170576
## 2697	28	4.487473	0.017157 0.143304
## 2699	53	6.398827	0.017260 0.155012
## 2700	78	7.738036	0.014498 0.209816
## 2704	28	2.580927	0.011401 0.247991
## 2705	57	4.040576	0.016783 0.173191
## 2710	172	7.049139	0.016142 0.176726
## 2713	161	11.846477	0.015419 0.175990
## 2714	89	22.091110	0.013400 0.179214
## 2721	89	3.569775	0.014157 0.187676
## 2724	28	0.937018	0.013103 0.123214
## 2726	28	4.449212	0.012412 0.238281
## 2730	62	8.788485	0.017093 0.120615
## 2743	47	2.803705	0.011445 0.148271
## 2745	78	2.897960	0.021536 0.083053
## 2748	95	10.338367	0.018415 0.103125
## 2759	42	3.662005	0.019239 0.084524
## 2760	107	18.882048	0.022012 0.092173
## 2769	37	12.818004	0.009831 0.090118
## 2781	111	15.079815	0.016007 0.122016
## 2787	285	2.504920	0.014634 0.108333
## 2795	25	24.403204	0.019787 0.064750
## 2802	88	9.767586	0.014734 0.106321
## 2815	204	0.941796	0.017047 0.117310
## 2817	30	14.201405	0.012661 0.082292
## 2819	25	3.620917	0.015010 0.086000
## 2824	25	22.891716	0.015763 0.084250
## 2827	249	1.847465	0.019674 0.098193
## 2839	44	1.975364	0.016818 0.079332
## 2844	57	4.967422	0.016435 0.093860
## 2848	74	3.174690	0.018019 0.104941
## 2859	28	8.931639	0.013192 0.127121
## 2860	55	11.700834	0.020027 0.080795
## 2864	80	9.413863	0.021476 0.071914
## 2871	73	9.401813	0.018100 0.127868
## 2872	60	17.334925	0.014053 0.114167
## 2892	36	6.804393	0.007639 0.091580
## 2895	83	8.551238	0.017069 0.119352
## 2899	229	3.204570	0.015120 0.111790
## 2901	28	21.452509	0.014336 0.105692
## 2902	81	15.474323	0.013873 0.106906

## 2904	82	13.278275	0.010101 0.133803
## 2907	68	17.206120	0.011325 0.167233
## 2909	59	4.532235	0.011537 0.125318
## 2913	167	5.707240	0.015273 0.143638
## 2916	62	3.445825	0.012342 0.115726
## 2918	69	14.381196	0.014850 0.117210
## 2920	107	2.807338	0.017445 0.110864
## 2931	333	4.670900	0.017540 0.105828
## 2932	57	0.911779	0.014247 0.094901
## 2934	1014	3.540646	0.015581 0.124051
## 2940	372	1.577145	0.014648 0.121698
## 2946	101	3.370600	0.015252 0.114790
## 2952	281	3.322391	0.015840 0.122131
## 2956	921	1.454817	0.014864 0.126462
## 2961	457	6.694407	0.011936 0.151121
## 2964	25	16.038725	0.004421 0.163625
## 2965	75	11.703794	0.009568 0.160333
## 2983	451	2.453898	0.016061 0.120136
## 2989	33	14.183809	0.012462 0.162500
## 2998	37	10.208514	0.028229 0.047804
## 3001	32	10.858949	0.020324 0.094531
## 3013	25	28.189381	0.011335 0.059375
## 3015	74	1.579971	0.019939 0.087162
## 3017	28	7.285762	0.017221 0.074107
## 3018	25	4.775568	0.016261 0.068250
## 3019	121	7.859929	0.018944 0.083678
## 3023	25	3.570759	0.014835 0.087500
## 3024	25	14.385000	0.015298 0.082375
## 3025	93	3.072024	0.017861 0.102453
## 3033	189	10.897526	0.018028 0.117708
## 3037	70	4.595479	0.016278 0.116161
## 3039	33	3.330446	0.017372 0.100379
## 3050	33	10.881123	0.023433 0.079640
## 3053	53	2.592101	0.021808 0.066038
## 3054	86	9.680047	0.018933 0.076563
## 3060	51	6.869967	0.019437 0.084681
## 3062	69	17.872721	0.019388 0.087228
## 3070	99	10.126502	0.023052 0.062247
## 3075	101	1.981815	0.019590 0.096071
## 3076	113	9.948844	0.019768 0.101632
## 3080	132	2.401473	0.016062 0.096638
## 3081	37	0.893084	0.019470 0.094003
## 3084	58	6.157960	0.015403 0.138685
## 3089	211	2.515358	0.018573 0.139618
## 3096	275	4.744916	0.015592 0.103114
## 3107	94	3.930218	0.009052 0.083178
## 3109	1238	3.102837	0.015321 0.121867
## 3114	163	4.635705	0.013846 0.109663
## 3119	82	2.831774	0.007932 0.083841
## 3120	84	0.728355	0.018466 0.128385
## 3128	31	3.598318	0.021366 0.092339
## 3130	73	2.467062	0.018731 0.097817
## 3133	25	13.413557	0.016155 0.078125
## 3134	45	5.730419	0.017434 0.086458

## 3137	40	9.186682	0.012869 0.132187
## 3139	59	12.343838	0.013856 0.152225
## 3145	217	3.455485	0.021350 0.078557
## 3149	68	8.006950	0.019838 0.103814
## 3150	72	8.999307	0.018899 0.115321
## 3152	94	10.771733	0.022244 0.089661
## 3173	62	2.919943	0.018078 0.106452
## 3174	58	8.159966	0.016119 0.115086
## 3177	90	3.704016	0.019060 0.095521
## 3182	64	15.855512	0.018395 0.083594
## 3187	52	6.967926	0.019226 0.117308
## 3189	55	11.656526	0.021411 0.083068
## 3196	209	2.694685	0.014063 0.095799
## 3198	169	4.321413	0.017266 0.116956
## 3204	110	2.054670	0.008270 0.085682
## 3207	55	1.247184	0.011432 0.094716
## 3220	118	6.197752	0.019115 0.109878
## 3230	1057	3.489519	0.017312 0.104914
## 3234	190	3.440356	0.018316 0.100345
## 3241	48	6.009996	0.010018 0.169271
## 3242	247	2.499675	0.011114 0.154061
## 3248	107	4.010334	0.018898 0.095093
## 3250	71	2.581695	0.016975 0.118354
## 3264	367	4.778658	0.017555 0.093588
## 3270	130	4.594419	0.018476 0.087861
## 3275	332	5.512072	0.016625 0.092423
## 3282	393	2.748603	0.017515 0.078356
## 3284	130	3.945997	0.014591 0.073365
## 3288	119	1.885296	0.016389 0.079202
## 3291	444	2.189626	0.017720 0.084143
## 3292	64	1.952393	0.015648 0.073633
## 3301	274	1.703008	0.018841 0.093944
## 3303	170	2.711898	0.019999 0.106232
## 3304	100	4.350512	0.016084 0.109094
## 3308	184	3.751496	0.016735 0.132880
## 3326	36	13.454423	0.017730 0.063108
## 3330	108	5.287663	0.016210 0.089728
## 3331	25	9.166798	0.011021 0.094500
## 3342	337	3.739362	0.015347 0.121662
## 3343	86	6.270046	0.021998 0.094440
## 3347	25	11.295223	0.015990 0.052625
## 3349	25	12.539543	0.018933 0.090750
## 3360	82	16.339319	0.018581 0.116197
## 3361	30	13.055065	0.010529 0.115833
## 3366	76	1.823251	0.020799 0.108964
## 3371	190	10.990651	0.019057 0.116464
## 3372	95	3.150457	0.017582 0.106086
## 3382	25	13.391250	0.022516 0.090625
## 3386	56	3.791079	0.016484 0.104018
## 3387	98	11.745313	0.018698 0.109088
## 3394	25	3.006415	0.016525 0.067625
## 3397	73	1.701674	0.019173 0.096447
## 3404	323	7.809729	0.016133 0.103425
## 3408	233	12.969953	0.017801 0.115893

## 3424	93	2.844212	0.014287 0.115759
## 3425	177	5.137829	0.014743 0.129661
## 3430	142	4.772075	0.016637 0.091549
## 3443	79	1.975584	0.019659 0.095174
## 3449	39	8.229363	0.014304 0.087179
## 3454	39	16.049717	0.015092 0.174519
## 3457	31	2.163229	0.014742 0.104335
## 3460	43	7.427112	0.010363 0.067733
## 3476	25	7.264433	0.015480 0.069000
## 3480	37	3.782250	0.016938 0.159206
## 3481	37	3.190847	0.023445 0.106757
## 3487	46	5.187961	0.017239 0.122758
## 3490	27	6.733490	0.016208 0.092361
## 3495	25	3.715589	0.004001 0.063750
## 3497	25	15.958587	0.016696 0.107375
## 3498	92	2.820747	0.018512 0.088995
## 3501	63	6.607161	0.018602 0.080605
## 3517	25	39.635296	0.020431 0.087375
## 3526	32	10.847863	0.015224 0.098730
## 3529	80	7.426117	0.015402 0.082539
## 3534	94	8.854266	0.019295 0.075632
## 3535	86	13.132995	0.019507 0.100109
## 3538	88	4.759175	0.018075 0.094176
## 3539	54	2.433042	0.018854 0.097222
## 3543	33	6.112572	0.019678 0.099811
## 3545	90	3.669333	0.017558 0.069965
## 3546	72	17.392380	0.015836 0.147352
## 3553	116	2.002482	0.019763 0.090867
## 3559	82	1.607387	0.016884 0.106860
## 3570	299	3.868020	0.016381 0.095412
## 3572	78	3.459887	0.015297 0.115825
## 3586	172	2.000677	0.016283 0.097765
## 3607	32	8.463640	0.011687 0.069043
## 3612	25	10.200402	0.011189 0.065875
## 3613	40	8.733128	0.015477 0.069609
## 3615	39	6.348571	0.014185 0.075240
## 3618	105	8.658658	0.015112 0.111786
## 3619	122	7.422026	0.016920 0.096260
## 3620	83	0.834575	0.017839 0.141980
## 3624	45	24.408794	0.014478 0.158611
## 3627	34	29.974300	0.018807 0.066820
## 3635	54	11.447595	0.011630 0.092245
## 3649	168	12.036961	0.018623 0.090048
## 3650	25	21.914244	0.017931 0.091375
## 3652	33	11.093424	0.015678 0.082386
## 3654	45	4.366604	0.015478 0.126181
## 3673	95	10.945578	0.019907 0.074145
## 3681	87	1.620883	0.018586 0.094864
## 3691	49	1.165568	0.016459 0.110459
## 3698	284	1.555275	0.015519 0.097590
## 3703	98	1.908658	0.017555 0.067857
## 3707	284	1.667461	0.018688 0.083198
## 3708	150	5.833168	0.018361 0.102396
## 3716	131	3.005343	0.017989 0.099261

## 3722	161	1.960029	0.020342	0.066984
## 3726	38	13.336470	0.013595	0.076069
## 3730	46	5.657169	0.019163	0.097894
## 3731	75	1.674451	0.018778	0.091542
## 3732	55	5.765521	0.021052	0.073580
## 3734	25	4.615972	0.017210	0.070375
## 3735	121	7.870190	0.019124	0.081818
## 3742	68	9.692593	0.020312	0.069853
## 3747	25	4.566756	0.017149	0.095125
## 3754	57	5.056072	0.020661	0.099397
## 3757	44	2.111798	0.016656	0.091406
## 3759	73	15.579909	0.018370	0.101027
## 3761	64	4.333916	0.013809	0.070898
## 3768	58	22.152534	0.020462	0.082004
## 3774	66	6.432307	0.020512	0.107955
## 3781	106	18.795042	0.021587	0.095696
## 3786	95	6.951579	0.018837	0.104638
## 3788	206	11.110373	0.017346	0.109618
## 3789	55	19.115967	0.014723	0.122727
## 3790	75	1.073736	0.015106	0.090750
## 3791	44	17.593782	0.017579	0.117969
## 3792	79	5.059012	0.015385	0.093552
## 3797	44	5.134312	0.018620	0.102415
## 3798	62	17.963827	0.019349	0.098488
## 3801	33	3.498978	0.013714	0.111648
## 3810	56	3.850724	0.016850	0.121038
## 3813	106	6.844025	0.006551	0.069900
## 3817	591	4.093507	0.017270	0.088008
## 3818	189	2.136624	0.017599	0.084160
## 3823	262	1.655270	0.017970	0.110568
## 3832	240	5.107259	0.017559	0.097318
## 3834	67	2.647454	0.018364	0.084515
## 3839	163	3.120805	0.015506	0.076955
## 3842	254	2.438546	0.016380	0.084892
## 3845	145	3.649984	0.017551	0.113319
## 3853	174	3.571508	0.017277	0.087410
## 3856	169	3.696964	0.019867	0.084523
## 3857	92	3.472291	0.015522	0.083832
## 3861	43	7.348427	0.019762	0.082340
## 3862	56	16.865656	0.006436	0.064342
## 3865	33	13.404743	0.008453	0.080114
## 3867	44	18.110481	0.020951	0.125355
## 3882	46	9.824835	0.019082	0.124864
## 3884	25	3.704265	0.015892	0.132125
## 3885	31	9.042780	0.016634	0.105948
## 3890	70	11.527006	0.018430	0.090625
## 3891	25	1.991417	0.014363	0.082750
## 3897	46	1.038756	0.018610	0.104348
## 3903	90	4.381926	0.016410	0.111493
## 3906	30	13.175807	0.015229	0.098125
## 3909	65	15.347988	0.016744	0.117356
## 3910	33	10.901804	0.013689	0.102557
## 3913	53	2.569010	0.021773	0.040330
## 3915	41	14.557362	0.020769	0.067988

## 3917	28	29.824141	0.018645	0.066853
## 3918	46	6.537369	0.021233	0.062908
## 3924	26	21.946815	0.017834	0.064303
## 3931	29	36.365643	0.022051	0.039763
## 3937	36	24.650042	0.011925	0.147569
## 3940	25	19.211636	0.016964	0.085125
## 3941	28	2.934877	0.015157	0.064844
## 3942	25	10.280067	0.020942	0.073250
## 3944	52	6.977483	0.017370	0.109255
## 3956	29	7.008246	0.015914	0.068319
## 3965	44	11.049789	0.022136	0.063707
## 3974	69	2.576582	0.019343	0.109737
## 3998	522	4.629671	0.014571	0.134585
## 4003	80	2.662349	0.017108	0.097773
## 4005	66	1.538844	0.019512	0.095833
## 4008	172	1.626065	0.015375	0.124491
## 4015	237	3.319380	0.017278	0.085100
## 4021	408	3.910442	0.017074	0.087094
## 4028	357	4.762820	0.017632	0.084392
## 4031	97	2.851424	0.017278	0.094394
## 4039	427	3.350766	0.017875	0.092703
## 4040	936	3.707958	0.017352	0.108343
## 4043	108	2.431138	0.015196	0.120804
## 4047	593	3.800325	0.017813	0.119535
## 4051	38	3.837885	0.015281	0.083635
## 4052	25	11.965523	0.017673	0.096250
## 4054	25	12.240758	0.012755	0.074000
## 4066	25	10.403795	0.018149	0.065500
## 4069	25	13.215669	0.014779	0.071750
## 4070	27	25.426844	0.024391	0.073958
## 4075	28	2.198382	0.013772	0.071652
## 4077	25	4.703204	0.017757	0.100375
## 4080	197	4.249748	0.018654	0.104806
## 4081	39	13.719024	0.024857	0.092788
## 4086	26	1.567028	0.019428	0.089904
## 4089	27	2.936831	0.023864	0.070486
## 4097	29	5.928502	0.022939	0.081142
## 4109	148	2.528369	0.018223	0.130173
## 4122	59	1.829038	0.025701	0.076589
## 4123	96	6.469369	0.023836	0.075521
## 4135	49	1.253310	0.016502	0.097832
## 4142	79	3.135562	0.017449	0.102967
## 4146	73	11.859408	0.017193	0.107149
## 4155	91	6.590489	0.016814	0.100309
## 4156	240	4.175099	0.016384	0.121237
## 4161	151	2.994454	0.020446	0.071668
## 4178	43	1.680991	0.010825	0.170785
## 4183	34	1.878700	0.006789	0.163971
## 4189	127	1.458978	0.017300	0.110556
## 4191	403	2.890102	0.012865	0.112965
## 4192	108	2.755282	0.015121	0.085909
## 4210	179	2.317370	0.016856	0.083205
## 4218	124	1.525207	0.017678	0.092666
## 4219	123	3.517345	0.017981	0.067810

## 4221	522	2.955118	0.017452	0.087727
## 4222	137	1.613570	0.016451	0.081957
## 4241	105	8.554838	0.014060	0.088244
## 4247	64	11.154789	0.023716	0.090918
## 4251	62	1.354740	0.020472	0.066381
## 4257	36	24.743235	0.017693	0.088194
## 4263	81	11.589846	0.019281	0.078241
## 4267	36	5.938156	0.016823	0.093316
## 4268	136	8.377249	0.015429	0.095496
## 4273	110	14.902993	0.020366	0.085426
## 4282	82	16.353691	0.017278	0.106593
## 4287	25	27.311775	0.015615	0.087125
## 4288	38	12.216045	0.014734	0.111842
## 4296	45	14.071243	0.016907	0.114792
## 4298	27	4.178783	0.013090	0.089815
## 4299	70	11.397696	0.017228	0.098839
## 4301	27	6.230876	0.014221	0.126852
## 4303	43	6.298390	0.018836	0.116933
## 4309	47	6.522736	0.017303	0.088697
## 4322	82	10.114404	0.019083	0.081288
## 4323	41	8.456351	0.016590	0.069055
## 4329	104	2.752326	0.020741	0.105409
## 4340	412	2.761239	0.015740	0.122755
## 4346	133	2.455008	0.017900	0.115085
## 4349	823	3.158693	0.016194	0.119714
## 4353	343	13.624714	0.017344	0.114769
## 4354	430	3.183220	0.017577	0.131933
## 4362	50	2.277177	0.010941	0.103250
## 4363	96	11.035603	0.012715	0.121159
## 4364	178	6.253991	0.018304	0.122349
## 4369	709	3.560971	0.017594	0.129782
## 4373	50	6.566992	0.014925	0.143188
## 4374	41	13.451836	0.014957	0.117378
## 4380	25	5.657695	0.010486	0.105375
## 4381	31	14.723977	0.010346	0.061290
## 4385	38	14.058387	0.012920	0.121711
## 4386	25	5.093750	0.016658	0.112750
## 4391	25	3.182083	0.014824	0.052875
## 4392	28	2.519983	0.022738	0.071540
## 4395	27	3.005815	0.004948	0.069676
## 4396	72	2.818705	0.008038	0.236892
## 4403	38	9.774121	0.018543	0.114556
## 4406	42	5.761386	0.014465	0.092634
## 4409	29	17.359230	0.009066	0.092672
## 4410	53	2.816130	0.018574	0.110318
## 4411	80	10.694894	0.014164	0.100234
## 4412	57	4.962962	0.016960	0.104496
## 4415	44	2.452690	0.015331	0.125923
## 4417	73	15.233390	0.018347	0.071190
## 4418	30	11.457241	0.019591	0.077500
## 4424	58	1.514117	0.016138	0.108136
## 4425	97	6.601835	0.019423	0.112661
## 4429	230	4.931087	0.024770	0.086073
## 4430	133	19.518272	0.017987	0.109892

## 4439	106	18.805470	0.017134 0.115478
## 4450	96	10.602867	0.020135 0.134082
## 4451	72	11.414209	0.021521 0.087500
## 4460	44	5.213985	0.018517 0.100710
## 4466	25	12.341138	0.008673 0.069750
## 4469	25	13.198660	0.015870 0.089000
## 4472	90	1.240056	0.017567 0.115069
## 4474	62	2.586058	0.016645 0.114617
## 4476	25	16.859871	0.012641 0.083375
## 4477	94	6.460138	0.017504 0.105718
## 4487	25	31.797680	0.013647 0.107625
## 4499	88	11.471023	0.008420 0.112997
## 4503	39	10.533239	0.010672 0.107772
## 4509	102	6.477406	0.013820 0.084252
## 4514	43	4.196544	0.011136 0.043314
## 4517	57	14.774075	0.017861 0.094518
## 4525	40	23.163294	0.017880 0.028906
## 4526	25	17.238464	0.021682 0.073000
## 4528	25	24.504204	0.012026 0.114250
## 4532	25	7.958502	0.017050 0.102875
## 4535	66	2.665628	0.022271 0.105824
## 4540	62	4.073774	0.020655 0.072530
## 4542	25	10.798306	0.006590 0.071750
## 4563	55	18.111414	0.016331 0.119091
## 4584	25	32.556847	0.010160 0.105625
## 4588	35	10.704858	0.028613 0.060982
## 4599	42	5.556009	0.015912 0.077307
## 4606	33	7.162764	0.016972 0.083523
## 4613	34	24.294422	0.012153 0.103125
## 4615	25	20.525705	0.010334 0.098625
## 4617	25	33.238441	0.006863 0.101875
## 4621	30	12.603958	0.008980 0.142708
## 4622	87	4.016727	0.010507 0.151760
## 4629	102	6.322189	0.012087 0.076654
## 4632	50	5.467730	0.014791 0.047938
## 4633	66	6.151636	0.013873 0.070833
## 4635	48	2.392568	0.011266 0.092773
## 4636	43	7.865762	0.011257 0.082776
## 4638	52	5.813059	0.012610 0.055529
## 4642	28	22.438330	0.019138 0.059152
## 4643	26	7.733159	0.014878 0.072356
## 4645	40	23.427109	0.011048 0.073828
## 4657	38	4.732852	0.018119 0.115872
## 4659	60	4.466853	0.020211 0.128594
## 4666	82	14.685708	0.016432 0.072370
## 4667	60	21.835089	0.014823 0.093490
## 4671	66	18.414381	0.020952 0.123769
## 4677	25	31.807690	0.015323 0.079250
## 4678	186	6.403578	0.015997 0.153125
## 4683	98	2.557010	0.017346 0.102137
## 4688	75	3.081726	0.021084 0.065333
## 4692	91	11.381935	0.020448 0.081216
## 4695	150	7.835220	0.015112 0.092188
## 4696	44	8.351332	0.014759 0.099361

## 4703	27	20.506859	0.003102	0.071528
## 4707	25	12.721226	0.020899	0.050500
## 4721	50	13.853275	0.023925	0.037437
## 4727	50	9.471080	0.021081	0.048813
## 4729	476	4.143916	0.023354	0.093888
## 4735	35	8.472860	0.024075	0.052500
## 4741	66	6.530444	0.018616	0.078598
## 4744	33	5.088958	0.018508	0.048201
## 4745	36	13.643208	0.015560	0.086024
## 4757	58	18.040794	0.010254	0.116487
## 4760	73	18.213348	0.011447	0.116610
## 4764	69	4.803711	0.011049	0.147011
## 4773	25	20.739985	0.020126	0.091500
## 4782	64	7.391168	0.019739	0.100146
## 4784	116	17.182634	0.020366	0.084079
## 4786	48	9.114687	0.016220	0.103711
## 4809	37	21.632910	0.010251	0.100760
## 4815	25	26.090351	0.011703	0.034250
## 4821	65	4.381178	0.014815	0.038269
## 4823	33	3.127598	0.009789	0.026989
## 4825	62	4.861339	0.014849	0.033569
## 4831	72	3.631973	0.017148	0.081033
## 4834	75	3.136325	0.015713	0.087083
## 4837	186	3.131689	0.017788	0.084711
## 4845	111	4.437326	0.015202	0.090456
## 4847	25	12.184382	0.013517	0.095625
## 4848	203	25.074165	0.012797	0.071398
## 4856	31	16.730404	0.016536	0.102117
## 4863	25	25.028713	0.011200	0.117125
## 4870	66	1.646149	0.013983	0.115767
## 4875	62	4.723694	0.022423	0.029889
## 4880	69	8.976794	0.017567	0.109058
## 4881	37	5.451106	0.020645	0.117990
## 4887	46	5.682816	0.017854	0.048573
## 4903	37	23.079655	0.014723	0.086909
## 4907	25	22.374058	0.010754	0.082250
## 4908	30	12.345400	0.010909	0.073750
## 4909	87	4.428326	0.018959	0.069145
## 4920	81	7.268909	0.016535	0.091705
## 4947	95	13.164637	0.016074	0.083783
## 4954	37	4.398768	0.019597	0.058953
## 4958	58	19.425919	0.016020	0.082759
## 4959	109	16.314310	0.020999	0.095097
## 4963	81	30.006969	0.019514	0.107253
## 4967	40	22.861401	0.019405	0.103359
## 4981	53	7.713324	0.007628	0.160436
## 4989	46	5.460559	0.013668	0.075611
## 4992	35	7.869503	0.016081	0.071696
## 4997	42	5.308077	0.014301	0.068676
## 5007	60	3.144891	0.017120	0.142031
## 5016	65	4.772791	0.017910	0.049038
## 5019	49	5.403339	0.024452	0.054656
## 5025	102	5.721165	0.013593	0.081281
## 5028	50	5.876815	0.016964	0.075750

## 5032	34	22.160187	0.019560	0.059099
## 5040	30	11.453954	0.020615	0.063542
## 5053	26	7.799323	0.014169	0.039423
## 5061	25	35.614269	0.017180	0.099625
## 5070	62	4.222218	0.020235	0.073387
## 5073	88	10.364834	0.015656	0.090092
## 5077	36	17.073402	0.018364	0.068056
## 5082	25	14.543055	0.014150	0.135875
## 5085	73	18.462143	0.017483	0.083390
## 5086	45	7.031879	0.019770	0.087500
## 5087	81	30.479685	0.020941	0.101659
## 5092	28	39.952477	0.020982	0.116741
## 5095	25	13.109491	0.015421	0.093750
## 5096	30	11.628559	0.014462	0.083542
## 5098	54	4.266151	0.006425	0.063657
## 5101	65	8.493198	0.019533	0.057404
## 5113	361	4.107759	0.014074	0.146312
## 5130	35	15.566821	0.015618	0.091250
## 5145	161	6.740815	0.016213	0.125213
## 5147	116	6.325819	0.015549	0.122683
## 5148	26	25.950470	0.012698	0.122115
## 5149	25	12.322391	0.012863	0.108750
## 5157	101	6.009381	0.018699	0.101516
## 5160	132	5.447408	0.010195	0.114228
## 5161	32	1.332545	0.010307	0.086914
## 5163	107	2.828610	0.012008	0.117815
## 5172	102	15.110628	0.015292	0.127328
## 5178	119	11.432533	0.013902	0.100263
## 5179	293	12.224495	0.014039	0.111764
## 5213	25	26.070854	0.019544	0.102375
## 5217	25	24.734503	0.012769	0.099125
## 5218	93	28.794819	0.006934	0.055679
## 5227	39	24.383602	0.014594	0.095272
## 5233	25	7.203209	0.005439	0.065250
## 5238	374	10.411628	0.014898	0.121875
## 5242	695	6.707217	0.015091	0.119780
## 5243	217	7.714929	0.014458	0.120752
## 5244	304	6.766470	0.016939	0.128279
## 5246	5492	5.873768	0.017802	0.124041
## 5250	37	12.377335	0.022842	0.081841
## 5251	25	21.092529	0.022353	0.074750
## 5260	41	7.544166	0.021821	0.147561
## 5261	202	6.637605	0.014946	0.096782
## 5264	34	17.975311	0.012145	0.099724
## 5265	37	6.153685	0.016671	0.075760
## 5267	172	8.478077	0.015351	0.111428
## 5291	32	11.431636	0.015659	0.102930
## 5292	63	9.762605	0.000559	0.098561
## 5313	79	8.073709	0.017277	0.189320
## 5320	163	19.900934	0.012753	0.118961
## 5321	137	20.424709	0.010939	0.129129
## 5325	70	16.194937	0.016656	0.113795
## 5329	180	19.484655	0.020093	0.106858
## 5338	191	8.609595	0.016235	0.089611

## 5348	52	11.628310	0.009567	0.117067
## 5350	51	15.755490	0.008468	0.095466
## 5369	151	25.629456	0.011514	0.095902
## 5370	2756	19.542343	0.015719	0.145005
## 5381	110	23.926147	0.013816	0.142472
## 5385	129	18.627028	0.015424	0.113808
## 5388	145	12.209212	0.013734	0.120603
## 5390	155	12.518710	0.014932	0.108871
## 5391	41	10.231892	0.010008	0.090015
## 5409	35	13.687518	0.014346	0.079643
## 5424	55	24.071587	0.014560	0.117216
## 5429	28	15.375857	0.013851	0.129129
## 5431	63	22.328697	0.015112	0.103026
## 5440	149	22.442245	0.015531	0.144589
## 5441	39	22.219656	0.013629	0.123478
## 5444	77	3.609308	0.015459	0.127922
## 5446	124	6.092219	0.015695	0.104259
## 5455	26	1.771144	0.009258	0.051683
## 5463	63	1.759133	0.009502	0.071776
## 5469	30	17.504330	0.012489	0.118958
## 5475	36	4.941773	0.017075	0.098785
## 5476	25	5.060236	0.015063	0.092125
## 5477	30	1.156512	0.023785	0.093958
## 5481	44	8.522822	0.011882	0.116548
## 5485	99	25.850391	0.016579	0.114205
## 5489	32	19.324392	0.011978	0.137988
## 5495	60	6.366230	0.016199	0.141146
## 5501	49	6.884603	0.024512	0.101339
## 5509	81	4.300940	0.023643	0.106289
## 5526	52	7.581717	0.019606	0.123978
## 5531	29	16.595678	0.017688	0.066487
## 5534	107	23.160769	0.013153	0.076723
## 5536	30	36.059441	0.023388	0.099792
## 5538	40	14.240839	0.014789	0.088672
## 5541	37	24.499165	0.018924	0.082686
## 5557	6120	5.801754	0.018776	0.129355
## 5566	78	7.177017	0.017040	0.124159
## 5567	688	6.732231	0.018214	0.133194
## 5575	73	14.204680	0.016432	0.137372
## 5583	39	19.846260	0.014040	0.158894
## 5587	29	1.932881	0.007597	0.054418
## 5588	138	2.538517	0.017540	0.087568
## 5593	236	41.545765	0.011534	0.136480
## 5594	76	9.518391	0.016727	0.091160
## 5595	118	4.642069	0.012396	0.082760
## 5604	53	7.893254	0.011176	0.086557
## 5605	25	25.733404	0.013170	0.072750
## 5611	54	20.761787	0.012475	0.121296
## 5617	230	21.667803	0.014731	0.113342
## 5618	96	13.395465	0.020527	0.093880
## 5621	35	24.425962	0.021107	0.103839
## 5623	105	14.546042	0.022891	0.107054
## 5624	28	30.258587	0.021309	0.098884
## 5629	2332	9.923488	0.017645	0.127548

## 5631	368	7.357460	0.020864 0.131861
## 5635	3345	7.770326	0.017006 0.134887
## 5638	991	6.406446	0.016877 0.132899
## 5640	2278	6.254678	0.014244 0.122702
## 5643	555	7.238953	0.017116 0.138998
## 5644	1400	7.127217	0.017573 0.132609
## 5647	80	7.057151	0.019715 0.123516
## 5650	101	15.090178	0.016637 0.129208
## 5652	651	8.032568	0.014788 0.133285
## 5654	203	7.337688	0.010118 0.107051
## 5668	35	38.135654	0.005924 0.155000
## 5677	57	10.976065	0.016413 0.125329
## 5680	103	15.579186	0.015968 0.127094
## 5682	139	9.718484	0.023617 0.115423
## 5684	208	12.982990	0.012012 0.133894
## 5687	3943	7.275319	0.014357 0.137602
## 5690	1066	7.306867	0.014155 0.128137
## 5700	2509	6.055963	0.014004 0.114950
## 5704	25	33.743671	0.013603 0.113250
## 5707	2056	7.014745	0.017403 0.140453
## 5714	426	7.295327	0.013472 0.116681
## 5720	91	16.154362	0.018148 0.097184
## 5723	47	21.989374	0.021657 0.116223
## 5724	75	19.553434	0.026662 0.107958
## 5730	32	10.417964	0.019232 0.089160
## 5735	65	21.960102	0.011421 0.080192
## 5739	72	5.183003	0.020866 0.078950
## 5740	99	12.947767	0.022098 0.080461
## 5741	123	6.326540	0.020031 0.087373
## 5745	32	42.922737	0.025471 0.076074
## 5749	25	36.196365	0.025638 0.054625
## 5752	26	17.010231	0.017196 0.078966
## 5754	61	6.677594	0.021661 0.080994
## 5755	31	26.179148	0.016641 0.086895
## 5762	67	33.003826	0.021493 0.128265
## 5763	25	58.518951	0.017420 0.117500
## 5769	31	1.931629	0.021456 0.093448
## 5775	66	11.073011	0.021046 0.113968
## 5784	41	16.212648	0.019717 0.116235
## 5786	47	13.063539	0.018536 0.151662
## 5791	28	12.854222	0.016894 0.114397
## 5796	67	16.895098	0.012634 0.160075
## 5803	32	17.983673	0.021155 0.129492
## 5805	36	11.529056	0.021915 0.139063
## 5806	38	23.291502	0.019495 0.135033
## 5808	34	23.217630	0.019994 0.122243
## 5814	31	11.418383	0.017602 0.118145
## 5815	33	4.410495	0.018458 0.120644
## 5819	51	17.845932	0.019952 0.126042
## 5820	25	43.834316	0.018213 0.104375
## 5822	49	6.975473	0.018584 0.121811
## 5825	59	35.345791	0.019078 0.120233
## 5831	1890	7.175230	0.018202 0.122187
## 5832	25	17.173119	0.015917 0.089125

## 5838	49	21.933840	0.020509 0.129592
## 5841	833	8.019578	0.018299 0.146965
## 5842	603	7.739935	0.019314 0.122792
## 5847	1280	5.219103	0.018708 0.121301
## 5848	190	5.525411	0.017086 0.136694
## 5850	797	7.405213	0.017501 0.121797
## 5851	1402	7.425593	0.018068 0.133276
## 5852	1309	7.835931	0.018037 0.138844
## 5863	161	6.526884	0.018319 0.110753
## 5869	25	24.941296	0.016195 0.135375
## 5872	539	12.290572	0.017951 0.127685
## 5875	144	12.486675	0.014242 0.134202
## 5876	785	9.170239	0.017870 0.127261
## 5879	1311	8.397558	0.018775 0.133555
## 5883	285	9.549341	0.016798 0.137862
## 5888	360	7.273055	0.016038 0.114427
## 5893	1916	7.238942	0.020242 0.147975
## 5898	1288	7.502832	0.016537 0.116583
## 5901	212	6.909566	0.018091 0.133682
## 5907	278	7.549620	0.014863 0.116367
## 5915	29	6.344428	0.019047 0.079741
## 5918	25	9.339113	0.011957 0.080750
## 5921	108	10.285676	0.023710 0.111429
## 5923	38	21.879225	0.006352 0.179688
## 5930	33	0.879597	0.014090 0.091761
## 5944	34	14.047562	0.008075 0.097151
## 5958	25	9.288410	0.012186 0.151125
## 5972	39	10.236383	0.012219 0.183173
## 5976	42	5.975473	0.018519 0.112351
## 5988	168	6.866000	0.008974 0.114304
## 5991	54	6.560200	0.011702 0.120370
## 5993	25	11.049686	0.010508 0.112375
## 5995	25	5.289560	0.010042 0.090500
## 5996	43	9.868813	0.008415 0.101017
## 6000	64	3.543476	0.007293 0.083887
## 6001	28	6.467594	0.009781 0.087277
## 6009	34	8.195107	0.011775 0.099816
## 6011	77	4.021835	0.005764 0.067005
## 6023	25	3.456037	0.015310 0.127625
## 6033	533	7.742569	0.018315 0.147737
## 6039	3053	7.171276	0.018874 0.117389
## 6043	104	11.322936	0.015507 0.123347
## 6051	1532	6.879868	0.017825 0.131425
## 6053	1119	6.423867	0.020472 0.142471
## 6061	225	4.942996	0.015404 0.145333
## 6063	680	7.831003	0.017241 0.120846
## 6078	316	8.152716	0.019989 0.119452
## 6083	25	18.281563	0.020707 0.087125
## 6094	94	21.286266	0.013249 0.055219
## 6097	25	8.237184	0.011905 0.185875
## 6098	30	6.468755	0.014478 0.123750
## 6099	25	15.632520	0.009416 0.117125
## 6102	41	22.468733	0.016617 0.080335
## 6103	25	21.866997	0.013686 0.090750

## 6119	38	6.146369	0.009076 0.174178
## 6125	25	8.096186	0.014787 0.123250
## 6128	49	11.470051	0.017804 0.100893
## 6129	25	11.891621	0.012632 0.084125
## 6131	41	6.056762	0.020955 0.120274
## 6134	25	13.425202	0.016340 0.131250
## 6136	35	7.982136	0.018369 0.104107
## 6137	45	3.301750	0.015247 0.136042
## 6151	25	6.744553	0.024142 0.107500
## 6154	79	14.104657	0.029575 0.051859
## 6156	25	11.312203	0.000290 0.081625
## 6159	35	9.819512	0.009844 0.081964
## 6167	25	19.741159	0.017684 0.056125
## 6170	25	14.563690	0.012921 0.049000
## 6171	39	10.757949	0.016765 0.036779
## 6192	35	15.571952	0.005865 0.085446
## 6195	37	11.439535	0.008379 0.080321
## 6196	69	10.247195	0.011843 0.081567
## 6202	25	24.831369	0.004914 0.182250
## 6206	25	7.997587	0.010555 0.125500
## 6211	43	9.384554	0.015505 0.102544
## 6217	88	9.493924	0.016584 0.136932
## 6218	29	11.663221	0.012898 0.116379
## 6224	35	8.544328	0.014742 0.145804
## 6226	75	2.573534	0.017176 0.114250
## 6229	241	12.076352	0.013609 0.107495
## 6239	33	12.023583	0.016548 0.116193
## 6241	99	11.334804	0.018374 0.107891
## 6249	32	8.946605	0.019398 0.097461
## 6255	25	22.437119	0.017131 0.063875
## 6257	37	20.013136	0.023856 0.089189
## 6259	40	7.622251	0.020512 0.091406
## 6265	63	13.821931	0.024898 0.081696
## 6270	26	14.947730	0.020695 0.096034
## 6271	34	12.691566	0.023351 0.097518
## 6276	74	8.254091	0.015332 0.206419
## 6278	25	6.869530	0.016851 0.138750
## 6286	615	5.771232	0.017188 0.120970
## 6296	153	4.389343	0.015660 0.129269
## 6298	1971	6.297058	0.013723 0.103701
## 6303	135	6.019799	0.017266 0.111690
## 6304	312	7.134052	0.018836 0.136669
## 6305	25	27.035435	0.014415 0.100000
## 6306	353	5.944361	0.017604 0.113925
## 6312	844	5.610705	0.017432 0.150163
## 6313	1558	5.341628	0.020220 0.117597
## 6318	378	5.315718	0.015269 0.108267
## 6319	595	7.892986	0.015522 0.120520
## 6323	260	8.300185	0.012395 0.132548
## 6324	42	16.974577	0.013103 0.106324
## 6331	245	13.955185	0.017563 0.145255
## 6342	58	13.443916	0.015300 0.069235
## 6346	60	2.957399	0.015672 0.067656
## 6348	64	4.752889	0.007798 0.095410

## 6349	37	5.130243	0.011145 0.103041
## 6350	83	6.869338	0.011109 0.118524
## 6354	25	10.014699	0.009946 0.085500
## 6363	26	17.833015	0.008789 0.143149
## 6364	43	6.484270	0.010028 0.137791
## 6371	37	5.182452	0.024377 0.115541
## 6374	34	13.382995	0.012046 0.127757
## 6380	182	10.477308	0.015848 0.109667
## 6381	102	13.603226	0.016317 0.119455
## 6387	27	2.853492	0.016883 0.094907
## 6393	237	2.954688	0.008409 0.152822
## 6394	90	3.428472	0.012638 0.140729
## 6396	82	13.819643	0.020874 0.115663
## 6397	81	12.819648	0.018876 0.143017
## 6402	40	13.330984	0.008977 0.079141
## 6403	40	11.367600	0.013140 0.087734
## 6404	25	11.454246	0.012882 0.065125
## 6406	44	10.243849	0.013357 0.087429
## 6408	37	9.364050	0.014845 0.075084
## 6410	101	7.444616	0.012952 0.086262
## 6413	127	7.316439	0.015516 0.130684
## 6418	70	3.972248	0.008855 0.098527
## 6424	95	13.538318	0.001680 0.056250
## 6425	285	12.442136	0.018495 0.119002
## 6426	26	7.869510	0.014759 0.103365
## 6433	45	12.189260	0.018884 0.085972
## 6435	52	10.545615	0.019068 0.080589
## 6438	53	7.138058	0.015790 0.130955
## 6452	33	25.866640	0.016521 0.107670
## 6461	30	4.489267	0.010015 0.182813
## 6464	109	11.817860	0.019941 0.064880
## 6465	105	10.294598	0.019276 0.076339
## 6480	25	17.655767	0.019756 0.096250
## 6483	68	15.449023	0.013508 0.214752
## 6491	687	6.010493	0.014839 0.110981
## 6495	1110	8.357962	0.017263 0.121661
## 6499	892	7.669955	0.012001 0.169451
## 6501	445	6.337991	0.013843 0.144782
## 6512	42	9.399786	0.018363 0.129018
## 6514	36	18.813831	0.018612 0.123003
## 6516	76	13.790476	0.015616 0.150082
## 6521	68	6.019048	0.017632 0.102114
## 6523	82	10.069364	0.022881 0.070046
## 6530	124	5.997375	0.017120 0.095716
## 6531	46	3.465056	0.012189 0.084647
## 6532	32	10.210553	0.013478 0.089062
## 6533	44	7.494601	0.010066 0.073224
## 6535	96	7.275229	0.012231 0.088053
## 6539	26	1.616679	0.016303 0.062740
## 6545	59	3.979309	0.007249 0.073676
## 6552	138	5.553279	0.013290 0.109534
## 6557	25	24.234922	0.012180 0.109250
## 6558	68	4.999241	0.014766 0.081893
## 6559	59	9.096902	0.010741 0.101536

## 6567	81	9.055599	0.009724	0.088735
## 6570	44	5.396248	0.016107	0.075923
## 6577	35	26.016571	0.016750	0.100804
## 6584	27	19.063932	0.015957	0.134606
## 6587	26	12.482219	0.004804	0.111178
## 6592	86	3.250464	0.015864	0.109448
## 6596	26	20.729391	0.012229	0.079928
## 6600	47	4.424539	0.017353	0.076729
## 6607	49	4.577611	0.023729	0.091582
## 6608	33	2.947917	0.023251	0.092235
## 6615	30	30.624660	0.020120	0.072396
## 6620	39	19.742777	0.019076	0.096554
## 6625	65	17.593662	0.017154	0.135240
## 6626	52	7.456067	0.009237	0.076202
## 6635	70	17.103569	0.014292	0.134286
## 6639	67	21.264870	0.013483	0.110914
## 6659	229	18.512360	0.016572	0.134320
## 6664	25	34.640274	0.017393	0.091250
## 6673	321	22.381392	0.015781	0.115635
## 6708	423	8.710206	0.019879	0.096890
## 6715	56	16.377174	0.011464	0.104408
## 6717	106	11.899011	0.014362	0.118249
## 6723	65	6.696280	0.015626	0.098846
## 6732	77	12.705285	0.018065	0.106899
## 6733	171	28.477104	0.010746	0.102979
## 6734	56	30.765360	0.016810	0.085100
## 6738	529	26.671452	0.013536	0.140034
## 6746	58	9.856649	0.009374	0.177802
## 6749	72	18.975689	0.012930	0.163325
## 6754	64	7.493731	0.013555	0.120801
## 6770	28	12.711625	0.008991	0.055469
## 6775	27	0.532669	0.024712	0.078935
## 6776	31	10.801511	0.024291	0.087097
## 6779	114	4.302762	0.006320	0.081277
## 6782	138	3.669497	0.014216	0.121830
## 6786	29	9.205221	0.013215	0.172629
## 6790	55	6.681366	0.006971	0.117670
## 6798	207	9.113871	0.016018	0.131356
## 6802	90	21.650572	0.018604	0.102396
## 6805	141	19.823704	0.017733	0.125598
## 6808	34	10.717071	0.011008	0.040349
## 6810	118	16.045046	0.014390	0.108819
## 6816	179	22.446493	0.017653	0.119675
## 6820	55	8.895836	0.017877	0.092955
## 6826	40	23.265448	0.018394	0.077656
## 6828	25	22.860693	0.026391	0.076875
## 6829	75	6.345105	0.028441	0.086917
## 6833	31	29.074347	0.017436	0.079436
## 6836	25	14.419945	0.015618	0.157875
## 6842	25	21.804991	0.015660	0.081625
## 6847	63	6.395281	0.014574	0.103423
## 6848	37	5.455526	0.006994	0.085642
## 6850	55	9.842267	0.014549	0.103920
## 6861	29	21.185024	0.015504	0.110668

## 6862	38	3.966641	0.016572	0.089967
## 6867	143	19.365524	0.009966	0.111691
## 6878	203	7.118435	0.013588	0.089009
## 6880	45	3.302082	0.019634	0.071250
## 6883	35	38.020267	0.013415	0.108571
## 6885	103	13.553968	0.017104	0.143447
## 6893	1193	9.121402	0.016184	0.156470
## 6911	25	12.394992	0.013821	0.091375
## 6916	64	7.446509	0.015418	0.098291
## 6918	55	7.489989	0.015773	0.115909
## 6925	25	16.964901	0.011869	0.109750
## 6932	223	5.705016	0.007905	0.142741
## 6934	68	1.751260	0.011055	0.138465
## 6940	25	19.573845	0.014839	0.084750
## 6942	25	11.903406	0.019359	0.105500
## 6949	46	9.693216	0.016064	0.047962
## 6951	66	15.907482	0.019572	0.069034
## 6953	110	16.287077	0.013560	0.113835
## 6954	158	8.968085	0.014152	0.111195
## 6955	25	9.160987	0.019465	0.077375
## 6963	57	2.480671	0.018963	0.108498
## 6964	25	20.895203	0.018206	0.094750
## 6968	36	9.189088	0.011174	0.097830
## 6972	118	7.191710	0.013519	0.120763
## 6974	41	3.627053	0.008583	0.154268
## 6976	40	13.954023	0.016155	0.131484
## 6986	27	28.334913	0.001222	0.075926
## 6989	72	8.591513	0.026136	0.099392
## 6990	25	25.208803	0.023837	0.116375
## 6994	83	6.982459	0.023886	0.111860
## 6996	110	7.335425	0.023969	0.100199
## 6999	49	5.323686	0.022087	0.078189
## 7005	510	9.863927	0.015567	0.109951
## 7006	35	35.370537	0.014038	0.070625
## 7010	901	13.097940	0.016430	0.175611
## 7013	112	11.431277	0.014921	0.170006
## 7018	641	11.844562	0.015355	0.117390
## 7032	25	26.312988	0.007585	0.193000
## 7035	47	17.373854	0.012127	0.204654
## 7038	190	10.750824	0.015689	0.156480
## 7040	899	10.527369	0.017867	0.148783
## 7044	57	13.604647	0.017140	0.139583
## 7049	145	14.928420	0.016668	0.144181
## 7052	25	15.977904	0.000038	0.035750
## 7058	48	3.443307	0.023065	0.103255
## 7060	49	12.602412	0.023668	0.100128
## 7064	49	5.396133	0.024643	0.098406
## 7079	43	14.490406	0.017497	0.069477
## 7087	25	19.172558	0.012845	0.063750
## 7089	113	2.506771	0.015476	0.084375
## 7091	25	8.452127	0.014522	0.125250
## 7092	28	14.491403	0.016048	0.111607
## 7098	41	8.125446	0.005013	0.103735
## 7107	166	3.056730	0.013637	0.103294

## 7114	94	7.800291	0.024505	0.096077
## 7120	34	12.080050	0.019203	0.101471
## 7124	25	50.660133	0.019587	0.154000
## 7125	125	6.735741	0.017358	0.174225
## 7130	393	11.805696	0.012005	0.114408
## 7134	641	11.170259	0.017543	0.215479
## 7143	226	14.058410	0.015549	0.164574
## 7149	77	9.679295	0.015628	0.168953
## 7151	289	16.213116	0.014842	0.166587
## 7157	206	10.830773	0.009935	0.140033
## 7163	147	11.545060	0.008876	0.275617
## 7168	75	9.315449	0.019180	0.195792
## 7169	48	8.764635	0.024552	0.174805
## 7171	104	13.734923	0.020022	0.125841
## 7173	28	35.043571	0.020934	0.063170
## 7176	26	27.388264	0.020068	0.067067
## 7177	25	15.437508	0.019313	0.068625
## 7180	25	23.481201	0.017649	0.088750
## 7193	121	4.286702	0.022225	0.081173
## 7196	119	13.834271	0.008963	0.114286
## 7198	31	22.214989	0.007299	0.162702
## 7199	925	24.754280	0.013789	0.130081
## 7206	35	27.723616	0.009850	0.150893
## 7212	128	25.996885	0.013841	0.143652
## 7216	40	18.311043	0.014029	0.120469
## 7218	97	14.370055	0.012188	0.135793
## 7230	124	24.014500	0.011234	0.145187
## 7234	72	7.202349	0.013486	0.153516
## 7237	82	25.559788	0.015113	0.148857
## 7238	56	12.695657	0.010818	0.149163
## 7239	86	9.388389	0.012938	0.145930
## 7240	92	5.960831	0.010138	0.146603
## 7244	47	18.265003	0.010587	0.175066
## 7251	25	17.955479	0.024069	0.111250
## 7253	203	9.325841	0.026758	0.123691
## 7260	33	25.160835	0.019247	0.116099
## 7276	37	5.142584	0.007360	0.095524
## 7284	100	6.585928	0.009066	0.196875
## 7287	25	11.834631	0.007132	0.120625
## 7294	65	13.106955	0.017978	0.066875
## 7300	84	1.172263	0.011077	0.131882
## 7304	95	1.494602	0.003072	0.211612
## 7308	47	2.792553	0.020013	0.099335
## 7312	279	5.934698	0.010391	0.101154
## 7315	41	20.362320	0.018246	0.094055
## 7319	39	10.367015	0.008228	0.115545
## 7330	113	3.498571	0.020876	0.050415
## 7331	260	3.557220	0.018860	0.092332
## 7344	94	7.558551	0.016291	0.099933
## 7345	66	14.534071	0.016963	0.143703
## 7349	43	7.953245	0.023090	0.133794
## 7352	93	7.422771	0.024369	0.111559
## 7353	111	7.117152	0.021533	0.133221
## 7354	81	3.388668	0.022478	0.111497

## 7355	25	50.401905	0.019788	0.091875
## 7359	43	16.031935	0.016253	0.227253
## 7362	88	16.910646	0.016552	0.217046
## 7363	133	17.056005	0.014511	0.171757
## 7370	31	21.227045	0.020511	0.090927
## 7382	383	16.960800	0.017206	0.145170
## 7396	157	7.403974	0.007147	0.124005
## 7398	330	14.426720	0.017185	0.159649
## 7423	92	16.683718	0.009277	0.118784
## 7433	32	9.570312	0.007177	0.145898
## 7435	36	5.712390	0.009344	0.121615
## 7438	40	1.528207	0.012286	0.143750
## 7446	36	17.416248	0.008608	0.082986
## 7451	40	11.444894	0.009042	0.120781
## 7452	43	14.211101	0.009942	0.083794
## 7458	131	13.367230	0.011038	0.171446
## 7461	100	5.638060	0.013237	0.118375
## 7462	50	5.512073	0.020276	0.058500
## 7466	152	5.654207	0.014674	0.121155
## 7477	45	6.430770	0.014935	0.129861
## 7482	46	5.524031	0.006225	0.122486
## 7485	129	1.271821	0.006896	0.090358
## 7509	39	15.564656	0.026783	0.114663
## 7510	75	3.261011	0.023648	0.104958
## 7512	39	9.994894	0.018706	0.118349
## 7513	25	13.685154	0.020499	0.097000
## 7521	35	7.397218	0.020178	0.090982
## 7523	25	19.375971	0.020199	0.099625
## 7526	51	6.258461	0.026868	0.089828
## 7540	111	20.769972	0.014496	0.094426
## 7542	66	27.963326	0.012755	0.106345
## 7548	25	33.776264	0.013143	0.105125
## 7550	43	10.205229	0.013363	0.100000
## 7566	26	17.060108	0.015370	0.136298
## 7569	1049	6.154764	0.015720	0.116012
## 7571	103	12.029779	0.013848	0.134860
## 7579	688	7.897940	0.017979	0.137132
## 7580	3786	6.281929	0.017521	0.118201
## 7585	61	19.563002	0.014853	0.137500
## 7589	59	19.961298	0.017017	0.192108
## 7591	106	5.632410	0.017468	0.192600
## 7597	45	4.529706	0.007082	0.148403
## 7607	32	7.831538	0.019174	0.148535
## 7611	25	22.296963	0.014677	0.111750
## 7623	60	3.218503	0.018114	0.106927
## 7630	61	18.757093	0.020360	0.051076
## 7640	55	8.563733	0.004520	0.092159
## 7643	25	15.127927	0.004216	0.103875
## 7647	108	11.672944	0.006434	0.118519
## 7649	127	10.360979	0.013127	0.142028
## 7651	236	8.305078	0.013683	0.105853
## 7662	68	6.534532	0.014970	0.108318
## 7663	25	2.812442	0.002816	0.131375
## 7664	121	7.800662	0.014766	0.117485

## 7673	64	8.351896	0.020920	0.132959
## 7677	25	13.455797	0.017594	0.149875
## 7680	25	21.738934	0.015117	0.115250
## 7681	62	6.765708	0.017161	0.113407
## 7689	103	14.402456	0.008765	0.128277
## 7694	165	1.450379	0.011000	0.148712
## 7695	25	26.245329	0.020535	0.182750
## 7701	40	14.400141	0.014349	0.163594
## 7705	33	7.861057	0.006798	0.237216
## 7716	43	33.859974	0.006462	0.082267
## 7718	50	9.820691	0.020267	0.107375
## 7719	84	8.403011	0.022189	0.146019
## 7725	47	18.257149	0.020466	0.130785
## 7735	63	35.830868	0.016868	0.112946
## 7745	124	8.797706	0.020065	0.124899
## 7755	41	4.035663	0.008190	0.048247
## 7756	25	17.009323	0.013554	0.058125
## 7757	26	1.977593	0.010017	0.053365
## 7758	29	1.470917	0.007732	0.065194
## 7765	25	20.581385	0.007449	0.120375
## 7768	66	5.376688	0.013280	0.089773
## 7770	61	7.119199	0.010092	0.100000
## 7772	64	9.975534	0.015090	0.149219
## 7773	38	8.232585	0.012906	0.148520
## 7775	44	6.079694	0.012641	0.103480
## 7778	32	5.879288	0.012539	0.091504
## 7783	54	2.275610	0.013674	0.098438
## 7789	63	10.673460	0.013263	0.108631
## 7791	41	7.114759	0.011405	0.095884
## 7793	66	6.284592	0.000594	0.112831
## 7796	41	7.665903	0.007971	0.089787
## 7804	25	8.780467	0.011587	0.092125
## 7807	29	18.685080	0.010938	0.111315
## 7814	47	13.751484	0.010722	0.154255
## 7815	33	1.510584	0.011555	0.161269
## 7821	28	7.812358	0.013727	0.110603
## 7823	26	7.585075	0.012328	0.113221
## 7824	25	1.658683	0.006406	0.103625
## 7832	202	7.133464	0.016237	0.123175
## 7837	172	8.653074	0.011881	0.092860
## 7840	25	14.840952	0.012385	0.058750
## 7841	29	11.844008	0.010138	0.080172
## 7851	73	11.848418	0.012634	0.106978
## 7858	110	11.536468	0.026325	0.113040
## 7859	72	5.783235	0.023461	0.119054
## 7862	33	7.614789	0.022487	0.105019
## 7869	54	18.634243	0.021842	0.078414
## 7883	64	10.905182	0.015058	0.093555
## 7892	25	27.109869	0.007228	0.044375
## 7895	25	32.964928	0.015226	0.099875
## 7900	34	19.288874	0.016862	0.096232
## 7904	142	8.903659	0.019090	0.106470
## 7910	25	12.578422	0.014298	0.075500
## 7920	25	19.472925	0.009165	0.118375

## 7924	25	18.721918	0.011239	0.159125
## 7926	117	14.582808	0.014571	0.161352
## 7927	66	20.252834	0.012616	0.141193
## 7939	25	19.387775	0.014790	0.124250
## 7940	28	34.154491	0.022222	0.136272
## 7942	25	14.716972	0.020116	0.140250
## 7953	25	42.336533	0.006622	0.109875
## 7955	29	24.953701	0.008637	0.146121
## 7956	25	17.157906	0.015225	0.134625
## 7957	25	25.940126	0.011613	0.144500
## 7959	63	20.064838	0.020397	0.149058
## 7961	29	33.653515	0.020552	0.150108
## 7962	1110	6.490799	0.019053	0.155036
## 7972	27	32.724281	0.011116	0.116898
## 7973	25	29.265163	0.012410	0.112125
## 7974	25	38.349720	0.016355	0.110250
## 7980	169	6.664700	0.019358	0.114663
## 7985	66	14.969225	0.019718	0.115672
## 8000	70	27.096010	0.020997	0.112991
## 8002	25	24.201136	0.015751	0.122500
## 8004	25	34.539757	0.015338	0.084125
## 8005	34	36.451042	0.015976	0.104963
## 8006	155	17.679077	0.018436	0.128407
## 8007	154	13.345443	0.017988	0.127313
## 8015	49	16.816044	0.017851	0.135778
## 8016	117	8.378820	0.015687	0.134348
## 8021	25	14.422206	0.014494	0.114125
## 8023	25	33.724133	0.016676	0.119250
## 8028	88	17.242321	0.016115	0.137571
## 8039	25	37.270191	0.019260	0.135000
## 8045	25	17.228251	0.021775	0.134500
## 8053	25	41.961864	0.017215	0.147125
## 8055	27	21.964344	0.022285	0.149769
## 8056	25	14.579342	0.021399	0.140750
## 8058	63	20.181808	0.016904	0.162897
## 8059	60	24.417351	0.020521	0.147396
## 8066	339	6.922821	0.015435	0.116427
## 8073	34	30.169189	0.011617	0.143290
## 8075	26	14.938892	0.011834	0.147356
## 8076	27	15.614860	0.015448	0.122569
## 8079	273	8.294410	0.013556	0.119311
## 8080	337	5.142094	0.015135	0.117748
## 8091	131	12.407536	0.012825	0.069943
## 8093	75	21.595625	0.020436	0.042583
## 8099	32	3.599374	0.019353	0.060449
## 8108	29	27.225813	0.018540	0.088578
## 8117	25	16.499609	0.011691	0.087750
## 8122	41	0.764993	0.015073	0.101296
## 8137	34	17.376713	0.016199	0.099632
## 8140	25	1.783749	0.015938	0.086750
## 8148	26	11.028498	0.018977	0.063341
## 8154	46	3.396524	0.011538	0.107948
## 8165	107	3.306615	0.015713	0.072167
## 8172	25	11.986004	0.005567	0.101875

## 8188	29	4.959457	0.001784 0.034159
## 8196	31	8.365784	0.012008 0.108367
## 8199	29	3.952536	0.014737 0.099677
## 8212	57	20.775385	0.017648 0.103564
## 8218	27	15.622699	0.026071 0.117130
## 8219	33	19.027355	0.013691 0.143750
## 8223	122	16.171602	0.018015 0.177792
## 8229	25	41.792431	0.017537 0.126250
## 8230	25	34.217133	0.019547 0.082125
## 8233	25	25.077147	0.013635 0.104875
## 8237	434	15.623183	0.022113 0.159404
## 8239	198	15.849174	0.017844 0.153299
## 8242	73	16.833937	0.014500 0.143236
## 8246	201	15.483777	0.012720 0.115921
## 8247	1503	10.547320	0.015640 0.130242
## 8257	279	11.721449	0.015502 0.187758
## 8264	25	21.210382	0.015565 0.111125
## 8268	111	16.564911	0.024573 0.169876
## 8281	34	5.665498	0.013278 0.086029
## 8282	53	7.026787	0.014753 0.089033
## 8286	25	7.953386	0.016215 0.088250
## 8291	61	7.554178	0.009170 0.135143
## 8293	30	6.747360	0.008457 0.096458
## 8296	25	21.683887	0.009938 0.106250
## 8297	40	11.658571	0.008843 0.103906
## 8298	43	14.514703	0.011589 0.084084
## 8303	37	15.794295	0.008705 0.097973
## 8318	31	16.412373	0.015073 0.058065
## 8319	43	17.990271	0.015991 0.093169
## 8329	81	7.753899	0.017701 0.080363
## 8338	25	11.273912	0.005007 0.227500
## 8342	76	7.420374	0.014622 0.103166
## 8344	25	8.082231	0.009482 0.100500
## 8345	84	4.685365	0.012141 0.106845
## 8362	25	4.444230	0.012965 0.042375
## 8364	25	13.984790	0.002290 0.017875
## 8366	94	3.091401	0.016169 0.072174
## 8369	124	1.908850	0.016162 0.097606
## 8372	241	11.872875	0.013264 0.103760
## 8373	85	10.635750	0.016725 0.086618
## 8374	144	7.084310	0.012253 0.110417
## 8378	25	13.851562	0.011088 0.072500
## 8388	64	6.421948	0.003349 0.097949
## 8389	137	7.111306	0.012573 0.082824
## 8393	37	7.697067	0.017741 0.081503
## 8395	172	8.728973	0.016115 0.111882
## 8399	37	14.560167	0.008303 0.089780
## 8400	28	7.934947	0.008008 0.108817
## 8406	46	12.876457	0.015720 0.092867
## 8414	28	9.794550	0.017867 0.099219
## 8425	25	5.782870	0.002117 0.276500
## 8429	25	14.013348	0.015497 0.142000
## 8438	35	14.132512	0.002416 0.223304
## 8439	25	16.320284	0.000603 0.135500

## 8442	34	16.508507	0.014956 0.165993
## 8449	25	36.246159	0.005281 0.108125
## 8451	32	5.293479	0.002537 0.078418
## 8455	34	15.896545	0.021788 0.111765
## 8458	42	21.224775	0.018138 0.105060
## 8460	35	13.738405	0.009035 0.146071
## 8473	25	40.259781	0.013553 0.082500
## 8474	25	30.447893	0.021728 0.098625
## 8482	25	35.941158	0.018835 0.090000
## 8486	497	13.752810	0.016690 0.135997
## 8488	922	14.052216	0.016146 0.166195
## 8491	76	16.600803	0.011600 0.139967
## 8496	29	4.081985	0.024906 0.120582
## 8504	56	9.250081	0.012880 0.072433
## 8509	29	2.037926	0.014478 0.061746
## 8519	249	3.614752	0.016958 0.083760
## 8521	72	3.668941	0.006478 0.112283
## 8534	54	8.146803	0.014732 0.128241
## 8536	63	10.518805	0.004336 0.087401
## 8541	43	7.943464	0.009054 0.096294
## 8546	42	9.136372	0.018669 0.074033
## 8547	25	9.013838	0.023461 0.067750
## 8551	25	10.118494	0.017200 0.037500
## 8565	25	10.551874	0.014290 0.095375
## 8578	103	18.227348	0.017512 0.080886
## 8587	123	1.618322	0.012815 0.118725
## 8589	92	18.169043	0.012014 0.139708
## 8592	25	9.175851	0.012725 0.106500
## 8593	42	8.013330	0.012599 0.119717
## 8599	45	2.757997	0.012768 0.083819
## 8605	164	3.378915	0.021993 0.127649
## 8612	46	30.016113	0.011890 0.125204
## 8616	104	13.801579	0.012214 0.128215
## 8617	288	15.257677	0.013724 0.141146
## 8621	68	15.565163	0.019305 0.197289
## 8633	29	44.116695	0.011575 0.050216
## 8640	25	39.339275	0.017138 0.111875
## 8655	172	9.710589	0.012221 0.118023
## 8660	33	27.724724	0.015129 0.099337
## 8661	58	17.083933	0.015631 0.103664
## 8663	157	18.014484	0.014281 0.120442
## 8665	25	12.595249	0.010875 0.105875
## 8668	29	6.604203	0.016402 0.096336
## 8676	65	11.448834	0.017577 0.193606
## 8681	29	15.791808	0.019895 0.107435
## 8689	36	9.338844	0.006100 0.214844
## 8691	54	4.583104	0.006333 0.106192
## 8701	65	15.231476	0.008466 0.154808
## 8706	49	7.507790	0.017541 0.067857
## 8733	68	4.705399	0.019607 0.142555
## 8737	38	12.117564	0.013647 0.094079
## 8740	44	17.938469	0.015842 0.085085
## 8743	34	15.498433	0.013948 0.079412
## 8744	30	10.326604	0.011618 0.086354

## 8747	25	20.589855	0.008888 0.118375
## 8761	102	2.385718	0.006600 0.093352
## 8762	345	3.503372	0.007987 0.111033
## 8764	25	22.258766	0.012264 0.110875
## 8771	32	6.901430	0.014708 0.109277
## 8774	40	8.599994	0.014661 0.093750
## 8782	25	7.517855	0.012471 0.138625
## 8783	29	2.182680	0.009740 0.102371
## 8786	28	6.390783	0.010734 0.048772
## 8795	25	28.781662	0.012573 0.128375
## 8797	85	12.102531	0.015548 0.122721
## 8799	64	14.298455	0.011728 0.111230
## 8800	29	11.894296	0.005651 0.174246
## 8820	47	5.321940	0.014945 0.068085
## 8823	49	7.812693	0.015865 0.105357
## 8825	45	7.574689	0.014702 0.090347
## 8828	38	15.243869	0.015676 0.082895
## 8830	39	20.986437	0.012268 0.086298
## 8840	32	2.461442	0.014110 0.155273
## 8841	60	3.700504	0.019532 0.142552
## 8849	29	28.011564	0.012907 0.094397
## 8850	28	4.380120	0.013466 0.099442
## 8852	71	8.039905	0.017036 0.106030
## 8859	66	18.964342	0.018341 0.090625
## 8865	33	23.185011	0.011312 0.134470
## 8869	146	6.776646	0.018414 0.106421
## 8874	1414	12.701698	0.015594 0.141010
## 8881	211	5.978664	0.014079 0.173326
## 8919	565	7.573414	0.015069 0.099004
## 8942	88	10.712170	0.010860 0.098011
## 8951	27	24.540012	0.016952 0.084606
## 8965	447	7.463104	0.015559 0.133697
## 8966	25	35.651634	0.006693 0.076250
## 8968	489	6.476428	0.017377 0.128534
## 8969	1712	7.682681	0.018291 0.133043
## 8971	2738	8.581112	0.017611 0.149044
## 8979	206	11.342179	0.010151 0.116505
## 8980	2454	7.861199	0.015723 0.134888
## 8985	92	11.853681	0.015674 0.100476
## 8987	89	12.458296	0.015515 0.086412
## 8989	72	26.248318	0.015468 0.082986
## 8995	88	14.808558	0.018411 0.112145
## 8999	88	13.632061	0.016633 0.098402
## 9001	84	9.340435	0.011538 0.092188
## 9002	95	9.590672	0.014561 0.104803
## 9007	75	24.898010	0.009645 0.055875
## 9009	66	22.978691	0.015347 0.075663
## 9018	38	19.394058	0.020281 0.084046
## 9021	25	50.380386	0.019650 0.076500
## 9024	37	12.760170	0.020293 0.080068
## 9037	25	59.030685	0.015792 0.098625
## 9038	85	21.107592	0.018736 0.114559
## 9039	60	16.708092	0.012017 0.090469
## 9047	38	2.885190	0.017293 0.120313

## 9048	50	11.986359	0.018061 0.112875
## 9051	28	15.379956	0.017076 0.102455
## 9052	28	5.238128	0.014678 0.093080
## 9054	104	9.939734	0.021243 0.123888
## 9058	41	16.093708	0.019559 0.119665
## 9060	47	13.047371	0.017075 0.130718
## 9066	29	14.757124	0.018141 0.088254
## 9068	27	18.449047	0.011479 0.153472
## 9085	35	7.535658	0.019361 0.126696
## 9091	26	13.869649	0.018003 0.110216
## 9095	37	38.031654	0.018073 0.129561
## 9097	25	37.910732	0.017188 0.104250
## 9099	25	23.104197	0.014640 0.233375
## 9106	27	15.496075	0.017239 0.092824
## 9111	72	7.304089	0.020802 0.097830
## 9113	25	35.440556	0.011576 0.044375
## 9115	95	18.578995	0.015468 0.075789
## 9116	59	29.047770	0.014531 0.058845
## 9120	59	23.817015	0.015435 0.051642
## 9128	69	13.754001	0.016979 0.085824
## 9142	25	13.094312	0.011342 0.159875
## 9147	102	8.864991	0.018088 0.115809
## 9156	66	9.137607	0.009619 0.113778
## 9170	25	37.132626	0.015235 0.060000
## 9180	25	34.034874	0.011001 0.090375
## 9182	25	34.905609	0.013018 0.094125
## 9191	29	17.405058	0.015177 0.099677
## 9192	25	23.039570	0.003429 0.059875
## 9196	146	12.426310	0.015851 0.088998
## 9200	90	17.192394	0.007702 0.090590
## 9205	92	19.926374	0.013544 0.113621
## 9211	85	9.903388	0.018056 0.112059
## 9213	67	9.472175	0.015077 0.108955
## 9214	96	8.270238	0.014486 0.114876
## 9215	25	31.680082	0.020081 0.056875
## 9216	38	26.700222	0.016463 0.079441
## 9219	569	4.440652	0.013976 0.086803
## 9221	81	23.778986	0.010351 0.091127
## 9230	71	19.438990	0.019199 0.099076
## 9231	108	25.353867	0.017177 0.128241
## 9239	25	42.237968	0.021055 0.043500
## 9252	94	18.890047	0.019046 0.097207
## 9255	99	13.228217	0.020806 0.083523
## 9262	25	50.497158	0.006658 0.095875
## 9271	30	18.775797	0.018488 0.086875
## 9272	58	20.269384	0.018911 0.081789
## 9275	25	21.204130	0.018582 0.079000
## 9281	31	15.025354	0.018159 0.128427
## 9284	31	2.168126	0.018696 0.102218
## 9289	50	11.764213	0.017989 0.089625
## 9291	59	19.143511	0.020293 0.098835
## 9292	28	15.975248	0.017829 0.095089
## 9293	28	5.209311	0.015720 0.124888
## 9294	57	9.683590	0.017641 0.112774

## 9302	29	1.512265	0.018947 0.110991
## 9306	28	12.809190	0.015178 0.127902
## 9317	58	13.350431	0.014824 0.137931
## 9319	41	16.421572	0.020508 0.087957
## 9320	36	11.678585	0.016137 0.133507
## 9325	101	13.802654	0.021218 0.111788
## 9327	31	6.602176	0.018393 0.112399
## 9331	49	19.333782	0.017522 0.127105
## 9335	25	44.248695	0.017700 0.114250
## 9338	25	33.868900	0.018206 0.126250
## 9345	34	17.581726	0.016812 0.096507
## 9354	55	7.600245	0.018269 0.106761
## 9362	92	5.298901	0.020934 0.123845
## 9367	26	20.583344	0.011724 0.090385
## 9373	52	13.309214	0.008561 0.203125
## 9380	552	5.937511	0.015317 0.089946
## 9381	49	16.331402	0.010974 0.063329
## 9385	25	6.002644	0.013864 0.071625
## 9390	119	5.155896	0.013251 0.098004
## 9393	55	10.009177	0.010259 0.133750
## 9403	32	11.542293	0.009207 0.081543
## 9411	67	11.432807	0.008929 0.094869
## 9418	528	6.042485	0.016856 0.075610
## 9420	161	16.206726	0.012297 0.068750
## 9435	91	6.644009	0.018863 0.057040
## 9441	99	12.957145	0.020397 0.080966
## 9442	123	6.335172	0.019945 0.095274
## 9443	45	25.297544	0.018368 0.077986
## 9444	73	25.260914	0.021101 0.080908
## 9447	27	14.147249	0.012965 0.076505
## 9452	36	41.846867	0.009904 0.084462
## 9453	26	16.893465	0.010595 0.097356
## 9455	61	6.669607	0.015560 0.089857
## 9458	58	20.118641	0.025751 0.075323
## 9459	65	28.988319	0.022153 0.084856
## 9461	25	21.281361	0.020751 0.075625
## 9468	34	2.307888	0.018485 0.139614
## 9469	51	8.019610	0.021243 0.128002
## 9471	60	6.746832	0.019585 0.137135
## 9482	25	24.357018	0.018728 0.121250
## 9484	49	8.600945	0.022646 0.106059
## 9485	41	16.025494	0.020319 0.110899
## 9490	67	13.202000	0.019697 0.134841
## 9492	28	12.723688	0.019958 0.113058
## 9501	36	18.440321	0.015714 0.173611
## 9504	32	16.789814	0.011689 0.160937
## 9514	32	6.423164	0.020340 0.112891
## 9517	49	19.367355	0.022020 0.109630
## 9529	81	5.994493	0.022523 0.102353
## 9531	26	26.063643	0.018309 0.085216
## 9532	25	12.989271	0.018057 0.065500
## 9536	41	5.491728	0.018782 0.118598
## 9538	60	23.482189	0.020348 0.112760
## 9539	159	30.411283	0.021516 0.121816

## 9541	119	11.561783	0.020745 0.118094
## 9546	104	19.010086	0.010547 0.144080
## 9555	63	20.271439	0.011853 0.109871
## 9556	61	10.862221	0.011189 0.106865
## 9565	31	17.454496	0.012581 0.092036
## 9575	39	23.675917	0.014201 0.126683
## 9578	31	16.207407	0.011834 0.084274
## 9585	46	12.760243	0.015500 0.081250
## 9588	32	19.100292	0.016511 0.101953
## 9598	25	39.568947	0.015320 0.116000
## 9606	38	9.026269	0.014538 0.099918
## 9607	30	29.753683	0.010294 0.126979
## 9610	25	5.377404	0.014546 0.093500
## 9612	48	18.187635	0.017652 0.113477
## 9627	153	23.946011	0.016412 0.111193
## 9642	27	13.987250	0.015531 0.062153
## 9648	26	16.927759	0.014970 0.084736
## 9651	31	26.463652	0.019432 0.093548
## 9653	58	19.256044	0.009850 0.089332
## 9654	65	27.727266	0.010046 0.090913
## 9656	25	20.912016	0.022152 0.062500
## 9658	67	33.674973	0.021269 0.084282
## 9661	60	17.094347	0.018586 0.082604
## 9670	50	12.080297	0.018880 0.134000
## 9693	62	12.085407	0.020452 0.133367
## 9698	58	12.986576	0.018735 0.137554
## 9701	36	11.371453	0.016458 0.175694
## 9703	44	14.024573	0.016648 0.117756
## 9704	34	23.237362	0.011919 0.159743
## 9706	101	16.034334	0.017136 0.136634
## 9718	59	9.689666	0.021814 0.110169
## 9721	27	20.799549	0.017730 0.106829
## 9724	32	18.080929	0.020415 0.119238
## 9734	99	5.541928	0.016329 0.172854
## 9740	25	17.672611	0.020581 0.086625
## 9741	25	30.897974	0.017556 0.100250
## 9742	25	17.055635	0.018492 0.083875
## 9744	41	8.731923	0.019963 0.098323
## 9756	162	27.809113	0.010884 0.093885
## 9761	57	13.544806	0.008010 0.092708
## 9767	25	6.508310	0.011353 0.078750
## 9777	81	7.676414	0.015230 0.099923
## 9779	90	13.690617	0.015360 0.115000
## 9795	76	17.138266	0.012253 0.096916
## 9800	56	31.002041	0.013139 0.091741
## 9802	52	6.054547	0.012431 0.099339
## 9806	66	21.949501	0.010924 0.081818
## 9813	45	25.330322	0.012116 0.146875
## 9820	25	36.004459	0.016324 0.101375
## 9823	26	17.043037	0.016160 0.060938
## 9836	60	16.887201	0.022025 0.083073
## 9851	104	9.756445	0.019010 0.114333
## 9853	62	4.708132	0.015098 0.088609
## 9862	28	12.849672	0.021841 0.098661

## 9863	29	14.666236	0.020357 0.103017
## 9868	62	12.067179	0.020817 0.133569
## 9869	25	10.022006	0.018039 0.112625
## 9870	25	15.421797	0.017153 0.120500
## 9872	25	26.110834	0.018428 0.138250
## 9875	41	16.253510	0.014092 0.136204
## 9876	36	11.586184	0.018676 0.109115
## 9879	34	23.545164	0.017673 0.144301
## 9882	35	7.276257	0.012175 0.160804
## 9885	31	11.213646	0.019058 0.098286
## 9887	49	18.814123	0.012625 0.135459
## 9908	64	7.382102	0.019067 0.126807
## 9913	134	7.590241	0.020330 0.097575
## 9924	47	16.961420	0.019385 0.128059
## 9931	265	6.889120	0.015596 0.132771
## 9955	230	18.844187	0.018373 0.118315
## 9961	352	8.583694	0.016193 0.136657
## 9967	49	41.975098	0.014401 0.134056
## 9970	119	4.427251	0.016062 0.129202
## 9980	436	16.405020	0.018585 0.109397
## 9981	25	26.402830	0.014959 0.073250
## 9986	25	26.657690	0.013003 0.077250
## 9987	128	16.193745	0.013045 0.097852
## 9992	230	21.273792	0.016079 0.115815
## 10000	1253	5.832886	0.020333 0.124447
## 10005	41	19.852758	0.016568 0.144893
## 10014	457	9.198287	0.016802 0.131989
## 10017	661	7.203034	0.014774 0.129155
## 10019	713	4.949721	0.014259 0.127766
## 10025	537	7.211889	0.018104 0.158543
## 10030	176	10.208823	0.016631 0.130930
## 10041	733	7.885418	0.017392 0.150797
## 10046	1005	8.618763	0.017412 0.151962
## 10049	333	8.204178	0.012626 0.133709
## 10051	445	8.154218	0.013254 0.121664
## 10052	493	8.105353	0.017894 0.146007
## 10053	316	9.211717	0.015777 0.127067
## 10056	591	9.795311	0.015538 0.125344
## 10061	231	9.194608	0.018451 0.155438
## 10065	272	11.419789	0.018323 0.136041
## 10069	371	7.383081	0.015951 0.131865
## 10070	44	31.097149	0.004898 0.093182
## 10073	2324	7.821208	0.015933 0.143539
## 10082	254	7.595016	0.015084 0.141843
## 10093	112	4.464669	0.014955 0.104715
## 10094	30	22.516907	0.007804 0.086146
## 10096	29	22.432629	0.008059 0.135237
## 10097	163	8.757833	0.014765 0.161388
## 10110	54	35.924812	0.008925 0.116262
## 10111	76	23.677668	0.015627 0.094901
## 10113	58	24.137983	0.013073 0.093696
## 10124	71	21.220024	0.010639 0.143002
## 10135	33	23.734291	0.010454 0.092708
## 10140	862	9.903535	0.012318 0.123147

## 10146	70	4.041662	0.017145 0.109688
## 10151	32	7.366353	0.018713 0.038770
## 10153	25	4.563794	0.021288 0.083125
## 10156	32	9.133691	0.020712 0.078711
## 10167	29	9.011829	0.015081 0.079203
## 10168	75	7.857855	0.023015 0.103125
## 10171	48	1.208053	0.016547 0.101758
## 10176	25	27.882156	0.014779 0.036125
## 10179	26	6.727264	0.019147 0.056130
## 10189	25	10.716633	0.022239 0.087750
## 10192	67	19.283464	0.019278 0.051632
## 10193	106	10.555835	0.016522 0.084463
## 10195	116	12.974913	0.017360 0.087823
## 10209	80	6.443905	0.016838 0.092812
## 10212	175	6.958537	0.017115 0.064786
## 10215	40	11.970544	0.013873 0.077578
## 10222	117	7.811552	0.016978 0.110256
## 10229	29	12.859215	0.006283 0.133836
## 10239	25	7.506446	0.011715 0.132375
## 10248	42	8.287807	0.025031 0.041518
## 10260	34	20.285097	0.013574 0.093566
## 10266	25	15.944535	0.014674 0.116500
## 10267	25	20.048792	0.017036 0.100000
## 10269	87	3.181079	0.018289 0.069935
## 10278	65	3.276104	0.013169 0.103942
## 10281	60	3.324480	0.003611 0.092187
## 10289	25	14.047175	0.016136 0.096375
## 10293	25	39.345360	0.008609 0.062000
## 10296	25	9.780180	0.015467 0.071000
## 10302	25	9.896420	0.024260 0.077750
## 10305	56	8.996122	0.019478 0.060714
## 10331	25	1.930843	0.017124 0.085000
## 10333	40	6.820059	0.019054 0.087969
## 10335	25	7.854557	0.019709 0.086000
## 10340	29	1.715648	0.015515 0.085776
## 10342	25	15.870335	0.013107 0.101000
## 10348	37	2.678504	0.006873 0.078716
## 10359	25	12.392786	0.025972 0.029000
## 10363	131	3.467974	0.018791 0.137977
## 10364	60	2.062023	0.015214 0.133698
## 10375	28	1.988992	0.018199 0.084710
## 10380	25	5.863183	0.021983 0.048500
## 10383	45	4.627390	0.016358 0.048194
## 10384	25	26.568735	0.016532 0.035375
## 10392	25	21.066526	0.017734 0.097250
## 10396	36	15.835190	0.017302 0.093229
## 10397	30	6.693751	0.014502 0.119687
## 10404	29	10.020305	0.014465 0.086746
## 10407	53	6.539418	0.013038 0.112618
## 10415	46	4.206565	0.011937 0.080367
## 10420	105	17.446682	0.017296 0.073185
## 10438	25	18.126501	0.016777 0.126625
## 10450	211	7.457636	0.013497 0.084864
## 10452	92	5.123355	0.012767 0.105401

## 10456	51	8.223901	0.020964 0.041667
## 10459	25	6.861906	0.021192 0.074625
## 10462	32	8.688678	0.015691 0.082812
## 10463	39	17.976212	0.020888 0.073958
## 10466	25	20.085634	0.015845 0.083375
## 10468	30	9.141917	0.016472 0.112500
## 10469	32	11.148440	0.016680 0.113477
## 10477	45	28.800030	0.015770 0.111181
## 10478	218	21.141277	0.018493 0.124627
## 10488	54	3.384306	0.017441 0.138657
## 10490	41	12.661324	0.014961 0.116997
## 10497	25	16.444485	0.011101 0.070125
## 10508	34	4.509333	0.015229 0.020313
## 10510	26	5.221389	0.014803 0.023798
## 10513	68	5.341545	0.016422 0.054733
## 10514	35	3.705791	0.011566 0.083839
## 10515	71	3.619614	0.016563 0.050484
## 10520	73	8.732869	0.018920 0.061901
## 10527	27	14.491035	0.016308 0.058681
## 10529	149	4.587976	0.019186 0.087458
## 10530	29	12.326705	0.016573 0.082543
## 10533	63	22.655558	0.018019 0.116369
## 10535	29	17.826523	0.014300 0.065302
## 10537	37	9.469742	0.012728 0.102618
## 10541	34	11.057825	0.007681 0.136673
## 10542	114	14.297496	0.013942 0.117763
## 10544	41	15.931434	0.012639 0.034070
## 10545	35	9.337686	0.009286 0.134286
## 10553	36	7.211744	0.017413 0.083854
## 10556	105	13.426329	0.022970 0.112589
## 10563	37	20.575294	0.003038 0.091892
## 10567	25	20.462753	0.002394 0.077375
## 10579	46	4.422927	0.018059 0.062568
## 10581	130	5.207572	0.013217 0.078606
## 10586	39	6.223042	0.011827 0.079888
## 10587	43	10.777076	0.014134 0.068677
## 10589	190	6.286180	0.017020 0.083289
## 10596	25	1.842182	0.023435 0.069000
## 10599	25	18.268997	0.021029 0.064500
## 10605	46	12.518090	0.015316 0.149321
## 10607	110	7.344615	0.015211 0.125824
## 10620	58	24.173033	0.026321 0.049838
## 10621	45	28.957470	0.021221 0.044444
## 10622	94	10.156348	0.021734 0.053158
## 10623	25	25.687180	0.021752 0.041500
## 10624	25	23.901525	0.018767 0.051500
## 10625	105	16.686317	0.023486 0.057679
## 10626	55	22.182520	0.026220 0.069773
## 10636	37	5.826787	0.019107 0.057939
## 10638	29	16.258020	0.013108 0.064116
## 10644	45	7.610688	0.019815 0.077708
## 10669	41	4.579378	0.014769 0.070579
## 10671	56	5.275403	0.013478 0.080246
## 10673	34	23.954851	0.016085 0.066636

## 10684	63	6.787820	0.019355	0.082391
## 10687	33	4.341918	0.009520	0.080208
## 10688	36	13.810524	0.013002	0.077344
## 10694	54	10.572156	0.010287	0.114120
## 10699	102	6.315739	0.014287	0.082292
## 10703	66	4.640160	0.016580	0.066146
## 10704	43	3.589068	0.012784	0.041424
## 10715	77	5.335090	0.017763	0.049188
## 10720	58	15.944320	0.016083	0.070528
## 10730	46	28.259758	0.016271	0.113043
## 10739	47	15.648724	0.016851	0.138963
## 10743	75	4.411342	0.004402	0.204958
## 10744	44	4.435260	0.003133	0.214915
## 10750	93	15.778212	0.005338	0.142910
## 10757	29	13.315521	0.005626	0.141056
## 10773	32	16.616507	0.013367	0.044043
## 10774	58	13.797622	0.017964	0.055981
## 10790	124	5.513841	0.010598	0.095615
## 10794	143	7.198959	0.011822	0.099585
## 10803	25	8.894151	0.014750	0.070750
## 10804	38	16.269764	0.011409	0.071546
## 10807	36	13.390034	0.000745	0.082552
## 10809	54	7.719992	0.001716	0.036343
## 10815	26	17.965528	0.010074	0.105769
## 10819	43	6.489079	0.026148	0.071366
## 10823	25	19.310020	0.027749	0.089125
## 10825	29	13.234321	0.000583	0.277694
## 10826	25	9.675985	0.001638	0.145375
## 10831	43	2.863882	0.006006	0.099564
## 10834	110	4.803993	0.015455	0.117386
## 10846	25	8.980583	0.008103	0.033125
## 10855	25	8.109585	0.015682	0.083250
## 10859	25	8.804264	0.013691	0.105875
## 10868	43	11.963666	0.013342	0.089898
## 10876	30	16.635487	0.008930	0.124792
## 10878	31	22.348289	0.010097	0.092540
## 10889	38	7.573987	0.013768	0.121546
## 10890	28	20.569677	0.010289	0.123103
## 10893	66	14.512671	0.014394	0.092330
## 10911	42	9.471683	0.021397	0.050298
## 10925	54	3.944969	0.017182	0.114873
## 10943	395	9.959614	0.017628	0.130918
## 10946	388	19.001642	0.017107	0.192880
## 10947	25	36.707932	0.012345	0.203750
## 10948	47	22.452745	0.016581	0.195013
## 10949	545	8.869495	0.016548	0.172277
## 10953	516	10.674849	0.016185	0.139450
## 10955	359	5.884088	0.016994	0.136952
## 10959	30	16.474394	0.018815	0.146146
## 10963	142	15.527267	0.015256	0.122073
## 10969	177	15.532577	0.017292	0.154273
## 10972	93	5.429755	0.016032	0.150840
## 10985	126	12.093093	0.017450	0.219792
## 10989	47	21.300398	0.013649	0.134043

## 10997	113	7.466053	0.013822 0.095050
## 10998	104	9.635528	0.016892 0.083804
## 11000	110	9.130419	0.013439 0.097415
## 11010	36	6.714809	0.012231 0.126389
## 11015	55	5.032346	0.009686 0.122102
## 11016	75	5.818065	0.011186 0.117792
## 11017	88	13.335462	0.009997 0.106605
## 11018	97	7.260186	0.010298 0.109987
## 11020	108	5.380984	0.012303 0.091406
## 11023	265	9.096756	0.005204 0.123880
## 11028	25	26.039673	0.009783 0.107500
## 11031	25	10.653672	0.017615 0.096375
## 11035	25	6.885831	0.010656 0.103500
## 11037	42	26.775883	0.006838 0.143676
## 11042	57	2.795342	0.020677 0.133333
## 11044	54	2.514881	0.022158 0.113542
## 11048	30	3.532531	0.022626 0.085104
## 11052	41	5.032032	0.019429 0.109527
## 11054	35	32.036415	0.024001 0.124375
## 11063	59	10.291463	0.022382 0.081780
## 11068	1369	8.435149	0.017959 0.127157
## 11069	1453	7.382407	0.016861 0.129837
## 11083	25	16.743481	0.000963 0.115500
## 11085	252	7.285740	0.012170 0.131113
## 11086	33	10.568069	0.012170 0.141477
## 11087	25	37.860191	0.015007 0.132250
## 11093	1826	6.744963	0.017987 0.153803
## 11095	104	3.831938	0.018656 0.141286
## 11100	25	35.528652	0.013757 0.114375
## 11103	25	13.945332	0.012910 0.112750
## 11107	558	6.961015	0.017381 0.153453
## 11119	25	41.530724	0.017919 0.131875
## 11121	2115	8.686356	0.018105 0.146342
## 11125	157	11.424592	0.017998 0.148686
## 11129	2253	7.433764	0.015766 0.143840
## 11136	25	13.340255	0.018879 0.136375
## 11137	839	12.392838	0.017173 0.152965
## 11141	1856	7.319960	0.017207 0.147012
## 11169	25	45.294136	0.016371 0.119000
## 11174	32	4.135189	0.014982 0.112305
## 11179	28	5.946324	0.015542 0.112054
## 11180	25	7.458192	0.016118 0.111375
## 11185	64	25.124880	0.006468 0.114063
## 11197	58	15.814256	0.005213 0.068642
## 11199	29	19.307238	0.009891 0.048491
## 11211	36	19.460716	0.019699 0.104167
## 11214	80	15.661865	0.012895 0.064062
## 11215	140	8.244612	0.019177 0.103728
## 11221	88	13.935751	0.011793 0.088743
## 11223	129	16.624947	0.009512 0.091255
## 11224	48	15.146667	0.017085 0.116276
## 11229	400	9.365757	0.017079 0.188086
## 11235	88	19.890656	0.010802 0.095881
## 11246	329	15.415330	0.014057 0.131621

## 11257	1091	9.906695	0.016146	0.144684
## 11262	1000	7.155660	0.017419	0.171484
## 11266	581	9.139843	0.018038	0.153168
## 11268	307	7.839482	0.017315	0.138844
## 11269	629	7.843967	0.013909	0.147412
## 11273	82	13.752152	0.015000	0.152020
## 11276	111	7.600501	0.015184	0.122185
## 11277	81	5.125746	0.009836	0.112461
## 11281	362	6.293664	0.014993	0.151260
## 11282	389	13.722291	0.015849	0.134439
## 11290	30	6.524302	0.016959	0.100833
## 11294	40	10.719167	0.006881	0.092031
## 11301	25	9.991755	0.013946	0.124625
## 11305	27	4.975239	0.012221	0.098380
## 11310	27	1.428976	0.019582	0.108449
## 11316	82	13.249849	0.021487	0.109108
## 11318	219	21.266308	0.022660	0.071604
## 11321	25	27.236300	0.014670	0.080500
## 11334	30	10.545025	0.001050	0.085833
## 11349	83	2.856505	0.019128	0.114420
## 11368	46	4.574567	0.016212	0.062704
## 11370	47	2.643253	0.016555	0.073271
## 11384	25	8.133575	0.008486	0.151625
## 11395	92	14.463928	0.020511	0.097011
## 11396	25	17.351395	0.020148	0.085250
## 11408	28	7.680701	0.019390	0.077121
## 11422	34	5.130309	0.011776	0.095680
## 11425	41	15.696714	0.009444	0.069360
## 11426	25	3.973177	0.010057	0.103750
## 11431	41	37.761765	0.020142	0.070046
## 11432	61	40.028900	0.020041	0.104918
## 11434	27	16.370993	0.014193	0.112269
## 11440	25	12.310919	0.027563	0.059000
## 11444	131	3.587757	0.019103	0.144537
## 11445	95	10.308646	0.021726	0.133454
## 11446	25	13.636868	0.014764	0.123125
## 11447	145	4.853969	0.019273	0.130668
## 11449	60	5.323611	0.017719	0.141927
## 11454	26	27.046141	0.011453	0.237139
## 11461	30	10.512837	0.015165	0.151979
## 11468	34	5.535373	0.019536	0.068107
## 11475	25	8.237916	0.015669	0.102500
## 11480	50	6.700355	0.017216	0.086625
## 11490	37	4.920462	0.010915	0.135135
## 11492	66	8.763152	0.012605	0.122727
## 11495	36	13.577764	0.013393	0.129948
## 11498	118	7.076247	0.017111	0.064486
## 11499	131	10.678284	0.015845	0.074714
## 11500	41	2.938097	0.010914	0.091463
## 11504	40	19.010038	0.012326	0.090078
## 11505	25	14.581660	0.010567	0.138375
## 11506	39	18.904119	0.010473	0.157853
## 11507	30	15.180882	0.007647	0.234375
## 11508	25	19.915081	0.011807	0.099375

## 11509	26	18.668835	0.018908 0.114183
## 11522	28	24.739674	0.016851 0.117411
## 11523	148	6.397283	0.016705 0.095587
## 11528	182	5.751973	0.011190 0.101494
## 11540	45	11.656192	0.020104 0.169236
## 11546	371	3.272013	0.019153 0.146075
## 11547	33	7.653773	0.009634 0.113542
## 11548	26	5.736921	0.011958 0.117308
## 11558	36	22.079094	0.016692 0.110590
## 11560	25	17.152889	0.014561 0.122250
## 11567	89	3.239630	0.018563 0.141819
## 11571	83	2.930534	0.016369 0.094804
## 11578	25	16.131731	0.012240 0.103875
## 11580	29	11.863382	0.014906 0.056681
## 11581	78	2.028451	0.020430 0.092027
## 11592	44	17.867470	0.009196 0.134091
## 11594	25	38.174809	0.011086 0.104500
## 11595	41	15.412802	0.011962 0.120732
## 11609	52	10.761837	0.006668 0.172115
## 11644	509	4.448648	0.016036 0.086954
## 11645	157	17.546646	0.015953 0.096576
## 11648	25	15.536564	0.011627 0.033000
## 11656	114	25.787134	0.017354 0.093750
## 11659	46	26.089281	0.013310 0.075747
## 11664	25	30.283432	0.017243 0.067625
## 11665	25	15.174187	0.021522 0.059125
## 11692	25	11.374231	0.005743 0.144625
## 11699	54	27.167294	0.011111 0.112847
## 11701	54	31.979483	0.000813 0.089294
## 11706	203	8.735027	0.017390 0.151093
## 11707	266	8.112723	0.016825 0.127467
## 11728	57	18.745924	0.015537 0.141941
## 11729	69	19.247711	0.011313 0.142074
## 11732	445	8.217448	0.017124 0.142107
## 11733	1610	8.125303	0.015746 0.153734
## 11734	45	29.423847	0.009733 0.181458
## 11742	168	9.768657	0.014575 0.123605
## 11750	949	7.833774	0.017114 0.144109
## 11755	160	8.557276	0.017051 0.160098
## 11761	708	9.270312	0.016623 0.138475
## 11764	594	8.818896	0.017639 0.137121
## 11767	47	22.445629	0.013338 0.118152
## 11778	41	3.767673	0.020942 0.077058
## 11786	44	6.891214	0.004066 0.071094
## 11796	47	10.224352	0.006014 0.153125
## 11797	45	10.082746	0.013112 0.114306
## 11798	25	17.774809	0.013475 0.107875
## 11802	29	15.027506	0.008532 0.100431
## 11806	25	13.953333	0.020934 0.072000
## 11807	30	18.847162	0.024942 0.098542
## 11815	25	9.168291	0.019147 0.106500
## 11829	42	6.648500	0.005408 0.117262
## 11833	63	9.906505	0.009217 0.098859
## 11838	32	8.873517	0.010117 0.090332

## 11844	37	15.895920	0.014899	0.096537
## 11845	25	18.847607	0.012043	0.092500
## 11848	26	31.349270	0.011571	0.102163
## 11849	28	26.622646	0.012651	0.070647
## 11853	29	16.478195	0.013439	0.083190
## 11856	58	12.121305	0.005854	0.066918
## 11857	33	13.287151	0.008943	0.155398
## 11863	40	8.299896	0.009747	0.212813
## 11872	29	1.794714	0.012552	0.055496
## 11874	30	6.478164	0.013362	0.071979
## 11876	105	8.271793	0.017785	0.089405
## 11889	25	14.728586	0.009121	0.093500
## 11895	41	1.246615	0.018208	0.089787
## 11897	38	1.550082	0.014450	0.084786
## 11905	162	4.847482	0.017722	0.111902
## 11907	44	6.840173	0.016794	0.111080
## 11924	208	9.594364	0.008809	0.129507
## 11936	180	5.114349	0.010508	0.097448
## 11938	143	8.079167	0.019883	0.107583
## 11939	37	11.686393	0.007058	0.099662
## 11941	56	10.077986	0.013322	0.097154
## 11947	32	12.892715	0.015531	0.115918
## 11951	57	13.035205	0.016403	0.166667
## 11954	68	8.203173	0.017914	0.167463
## 11958	58	4.531793	0.003259	0.136907
## 11961	35	10.206670	0.018248	0.152321
## 11962	25	14.890821	0.019976	0.125375
## 11970	34	7.812669	0.006459	0.090533
## 11973	25	3.799354	0.009516	0.098625
## 11975	25	4.010427	0.020816	0.085250
## 11994	30	10.059513	0.009502	0.122292
## 12003	37	5.498612	0.016787	0.093243
## 12007	36	4.054438	0.013259	0.099653
## 12009	30	0.990371	0.008965	0.140417
## 12021	25	8.736648	0.001780	0.040500
## 12026	63	10.381375	0.012633	0.112054
## 12032	95	6.689636	0.020175	0.103454
## 12034	43	6.699343	0.026380	0.071076
## 12043	71	6.701954	0.014372	0.090229
## 12045	25	5.209908	0.008871	0.150500
## 12060	25	9.842258	0.007357	0.131000
## 12066	76	6.588568	0.020686	0.072821
## 12070	29	17.943262	0.017109	0.094397
## 12073	32	23.880707	0.011751	0.082520
## 12074	26	19.652128	0.012641	0.092788
## 12076	28	30.634317	0.019059	0.105804
## 12078	68	4.063464	0.021665	0.102114
## 12079	54	5.539718	0.019537	0.158102
## 12080	74	8.375444	0.021267	0.084502
## 12083	86	14.792170	0.017050	0.124746
## 12086	206	5.070963	0.016292	0.109906
## 12088	25	5.411821	0.007423	0.051250
## 12089	31	11.519158	0.001018	0.036996
## 12090	67	6.786935	0.015745	0.150979

## 12092	42	6.007537	0.016680 0.113170
## 12103	73	19.552887	0.018657 0.051070
## 12106	111	8.142935	0.019912 0.053435
## 12111	43	11.416871	0.023801 0.085756
## 12115	96	7.943748	0.018432 0.058236
## 12123	25	36.497086	0.025119 0.100625
## 12124	26	29.065603	0.018700 0.068269
## 12128	25	41.767746	0.013561 0.087500
## 12131	31	43.070423	0.018321 0.116835
## 12137	25	31.940865	0.010684 0.062625
## 12143	27	23.220476	0.019960 0.101968
## 12144	42	17.732508	0.013442 0.089881
## 12157	26	20.179264	0.008586 0.111779
## 12159	43	25.636572	0.021259 0.108939
## 12160	26	39.037075	0.011557 0.093990
## 12163	27	30.644726	0.017490 0.089468
## 12164	25	36.311504	0.017777 0.110000
## 12179	87	4.954225	0.018861 0.175575
## 12190	39	11.370893	0.017470 0.141506
## 12194	45	18.513523	0.014288 0.102292
## 12195	69	17.008125	0.022178 0.054982
## 12220	300	5.751129	0.016542 0.129146
## 12224	118	3.325008	0.014208 0.136547
## 12225	157	6.196151	0.018264 0.124244
## 12233	71	12.513272	0.025750 0.070158
## 12235	27	20.998198	0.013818 0.093634
## 12244	63	5.468384	0.023992 0.082490
## 12247	43	8.267608	0.015137 0.121512
## 12249	30	27.370262	0.014200 0.141979
## 12253	35	7.724144	0.017926 0.082946
## 12254	25	10.801035	0.014450 0.080000
## 12261	33	25.768122	0.014330 0.092045
## 12263	48	22.837633	0.018923 0.164648
## 12264	39	21.999605	0.013903 0.136538
## 12271	205	6.534784	0.021704 0.095838
## 12280	73	1.092003	0.011620 0.073074
## 12287	25	6.221790	0.006324 0.121625
## 12301	144	10.573681	0.010610 0.105230
## 12302	72	11.471189	0.008309 0.089844
## 12329	162	5.217688	0.017497 0.112712
## 12332	272	5.807323	0.018271 0.111478
## 12335	45	1.845974	0.010443 0.100625
## 12340	360	11.834033	0.016566 0.128116
## 12345	2278	6.165246	0.014237 0.123225
## 12347	1414	5.663747	0.015113 0.128435
## 12361	203	7.369911	0.010643 0.099954
## 12363	72	12.162690	0.012399 0.078255
## 12373	477	9.677541	0.007248 0.122170
## 12378	25	32.178108	0.011285 0.082875
## 12385	50	6.366700	0.015566 0.079562
## 12397	37	21.356199	0.008967 0.034628
## 12402	40	19.722933	0.016273 0.098906
## 12410	38	4.737301	0.016474 0.044243
## 12411	33	3.227832	0.014194 0.053220

## 12412	60	4.224226	0.018477	0.055260
## 12413	62	4.396272	0.020232	0.073337
## 12423	50	13.015773	0.012004	0.147625
## 12434	72	7.414433	0.021413	0.090799
## 12437	48	8.855048	0.021359	0.108789
## 12439	43	12.441412	0.018856	0.094840
## 12443	98	2.974987	0.019537	0.145121
## 12450	223	4.270655	0.018292	0.080171
## 12455	150	7.245784	0.012653	0.058813
## 12465	30	8.539208	0.015358	0.064167
## 12477	56	4.848152	0.018923	0.092243
## 12483	25	32.205456	0.021141	0.084000
## 12501	227	3.298016	0.012811	0.117401
## 12503	47	11.218513	0.015050	0.105918
## 12509	66	5.435360	0.018581	0.074621
## 12513	175	7.631635	0.018133	0.067679
## 12521	62	4.086480	0.020956	0.051663
## 12523	65	4.967971	0.020868	0.053462
## 12531	55	17.803967	0.011852	0.083466
## 12534	35	10.382031	0.016753	0.081518
## 12538	133	11.359216	0.018673	0.139944
## 12543	72	7.687713	0.013616	0.149696
## 12560	64	13.585388	0.022329	0.039307
## 12564	29	20.784504	0.004093	0.054203
## 12570	38	17.966064	0.022962	0.055263
## 12573	58	23.882868	0.024630	0.058405
## 12578	105	16.075792	0.025375	0.080089
## 12580	56	32.233124	0.025649	0.060826
## 12582	50	13.783705	0.024197	0.042375
## 12587	25	25.228754	0.020843	0.041875
## 12591	25	25.922771	0.023114	0.071125
## 12598	28	38.764988	0.010154	0.080692
## 12609	47	5.892196	0.013337	0.094880
## 12617	42	5.136047	0.013903	0.085193
## 12626	131	10.328904	0.015205	0.079055
## 12634	25	13.968800	0.005717	0.103750
## 12636	32	16.787096	0.008574	0.123633
## 12640	40	23.561993	0.012724	0.109219
## 12650	66	2.157496	0.012723	0.109470
## 12653	33	3.265043	0.013196	0.049432
## 12654	60	4.601718	0.011086	0.032917
## 12658	56	3.470078	0.021130	0.122545
## 12659	25	13.220341	0.016335	0.122375
## 12666	164	13.469405	0.014734	0.082679
## 12669	63	3.743259	0.019245	0.056300
## 12681	98	2.893720	0.016454	0.108897
## 12682	264	20.528084	0.019493	0.122135
## 12690	91	11.374574	0.021310	0.076511
## 12700	202	25.563663	0.012897	0.068673
## 12701	25	31.650612	0.018167	0.057375
## 12708	37	5.407709	0.019503	0.115118
## 12709	66	6.837513	0.015792	0.101515
## 12711	34	10.080702	0.012596	0.116820
## 12715	131	9.051319	0.017517	0.111904

## 12719	55	6.905352	0.021439 0.104886
## 12726	43	7.953772	0.018342 0.075654
## 12727	57	14.456261	0.015569 0.074945
## 12729	25	15.084935	0.011225 0.073625
## 12743	25	11.675614	0.016667 0.065500
## 12748	33	2.655802	0.009476 0.078977
## 12750	62	4.325730	0.015189 0.029788
## 12759	65	9.798190	0.015854 0.057115
## 12761	65	4.177391	0.014280 0.078221
## 12763	62	3.458261	0.013275 0.088206
## 12777	45	27.162796	0.004867 0.052083
## 12778	25	24.364717	0.013878 0.057125
## 12779	40	18.423014	0.014289 0.087578
## 12785	72	7.549663	0.015128 0.121181
## 12787	98	2.959508	0.018305 0.130261
## 12794	223	4.402166	0.017215 0.078994
## 12795	186	2.829743	0.021423 0.077705
## 12797	25	18.542458	0.013776 0.071500
## 12798	28	25.478104	0.018853 0.083482
## 12808	76	20.605795	0.018793 0.043174
## 12810	27	20.706640	0.009580 0.065625
## 12819	27	21.057543	0.014993 0.078241
## 12824	122	13.253654	0.013332 0.093315
## 12827	25	26.743593	0.009568 0.130125
## 12840	72	3.492193	0.017726 0.097613
## 12841	27	20.074209	0.016747 0.071065
## 12846	37	33.527985	0.017241 0.085557
## 12850	111	18.250484	0.016281 0.090878
## 12852	151	23.415489	0.023842 0.106271
## 12853	98	11.303392	0.016933 0.078699
## 12856	30	13.031801	0.011432 0.072292
## 12860	73	10.074539	0.015738 0.074229
## 12861	76	23.818991	0.014375 0.144737
## 12873	137	29.467709	0.010471 0.209831
## 12876	25	38.932022	0.011907 0.111000
## 12881	25	15.317578	0.012800 0.194375
## 12882	25	20.973740	0.026537 0.083875
## 12883	25	12.375272	0.020304 0.074750
## 12887	34	19.710386	0.028777 0.049081
## 12893	69	1.098039	0.017336 0.094928
## 12895	32	5.687706	0.009471 0.103223
## 12900	25	5.331754	0.020653 0.081250
## 12904	25	12.926847	0.013346 0.101000
## 12908	25	6.439664	0.021093 0.071000
## 12912	36	10.463676	0.018287 0.142795
## 12924	25	12.205457	0.018502 0.067500
## 12925	27	15.986165	0.028935 0.036458
## 12926	42	7.586957	0.021489 0.043601
## 12928	45	28.299252	0.016547 0.109444
## 12947	31	14.291189	0.015496 0.086996
## 12950	30	17.907907	0.018259 0.092396
## 12954	86	3.314369	0.013053 0.080196
## 12958	25	11.455684	0.015549 0.076000
## 12970	27	14.577777	0.012624 0.094444

## 12971	25	15.662976	0.012223 0.104000
## 12973	29	12.037384	0.012097 0.097845
## 12982	30	7.793603	0.013137 0.066771
## 12984	46	4.162844	0.012413 0.073302
## 12986	59	6.617457	0.012695 0.079502
## 12995	27	11.005434	0.019387 0.159375
## 13006	187	8.248260	0.016177 0.151721
## 13008	117	13.336037	0.018059 0.146421
## 13018	25	17.437014	0.012232 0.114625
## 13022	36	27.224323	0.014677 0.075521
## 13025	46	10.357118	0.009223 0.101970
## 13039	27	31.523340	0.019691 0.036343
## 13048	29	23.815228	0.012213 0.050754
## 13057	28	29.461500	0.025162 0.073884
## 13059	1497	6.554979	0.009732 0.132480
## 13061	25	27.676394	0.017978 0.107750
## 13068	122	6.193800	0.016018 0.137884
## 13070	3327	7.298750	0.016422 0.141872
## 13073	1621	6.940331	0.012389 0.118604
## 13075	120	7.039781	0.014456 0.105052
## 13084	406	9.037351	0.017440 0.142388
## 13087	1103	6.397641	0.012908 0.135324
## 13093	283	6.979513	0.009958 0.123454
## 13095	149	12.217505	0.021835 0.119002
## 13101	75	20.239700	0.025258 0.109833
## 13106	46	3.230867	0.022533 0.087568
## 13109	27	10.213497	0.024426 0.049190
## 13117	99	13.213287	0.020838 0.081850
## 13119	45	24.250988	0.013171 0.086319
## 13120	73	24.624592	0.012086 0.089041
## 13123	27	13.209755	0.023268 0.070833
## 13127	37	12.749785	0.022977 0.079730
## 13130	25	38.349766	0.021374 0.074750
## 13137	25	21.345535	0.020602 0.101750
## 13139	67	34.128365	0.019297 0.138713
## 13141	85	21.393192	0.017925 0.130846
## 13144	34	1.844555	0.013490 0.080423
## 13151	50	11.916424	0.023199 0.100000
## 13153	59	19.006712	0.021600 0.109852
## 13156	57	9.735018	0.019757 0.108224
## 13159	62	5.174357	0.019964 0.133266
## 13161	41	16.375813	0.021706 0.154116
## 13165	73	4.869610	0.017712 0.129581
## 13169	29	14.879274	0.016850 0.170905
## 13170	27	23.735691	0.014944 0.145139
## 13173	67	16.718136	0.014270 0.144170
## 13174	62	11.860325	0.016065 0.132762
## 13176	25	15.533154	0.011068 0.100000
## 13187	101	15.257379	0.019931 0.128125
## 13193	49	19.235863	0.019472 0.133291
## 13195	26	7.765550	0.018188 0.114063
## 13196	51	18.540365	0.020537 0.128248
## 13202	59	35.538406	0.015847 0.215784
## 13203	47	21.712246	0.010033 0.265758

## 13210	50	13.292516	0.007631	0.073188
## 13212	48	16.271666	0.015456	0.081966
## 13216	152	24.922043	0.018137	0.130304
## 13221	25	37.516342	0.022667	0.116250
## 13222	49	31.379063	0.005267	0.131569
## 13225	114	6.871443	0.017877	0.109512
## 13233	106	16.251600	0.013795	0.106368
## 13236	606	5.483685	0.019104	0.117915
## 13242	29	28.169346	0.020766	0.080711
## 13244	25	40.472408	0.014170	0.107250
## 13248	161	6.649677	0.016725	0.120031
## 13252	25	33.859188	0.016237	0.102375
## 13253	335	6.941133	0.017722	0.142817
## 13257	634	13.668119	0.016956	0.136963
## 13263	1140	6.041635	0.014088	0.137426
## 13272	635	6.835417	0.016981	0.136658
## 13276	152	10.463354	0.016459	0.122245
## 13281	27	13.534880	0.011576	0.161343
## 13284	1291	6.910535	0.016040	0.121686
## 13285	76	18.990931	0.008572	0.114104
## 13286	29	22.517748	0.016360	0.111207
## 13292	687	8.037145	0.016160	0.129176
## 13293	163	7.873470	0.016831	0.132880
## 13295	521	6.703975	0.017327	0.134885
## 13309	393	9.856469	0.016501	0.142486
## 13314	54	18.621586	0.013890	0.137442
## 13315	156	10.286018	0.012503	0.138962
## 13320	189	8.719673	0.010095	0.138509
## 13326	1101	7.768025	0.018062	0.123365
## 13330	530	6.534376	0.012897	0.190147
## 13341	42	20.109777	0.023155	0.105729
## 13348	99	13.082241	0.020853	0.083175
## 13349	123	6.302130	0.015915	0.099238
## 13356	33	20.093719	0.017946	0.082765
## 13362	61	6.550669	0.016980	0.085861
## 13367	25	55.000145	0.019431	0.108375
## 13369	82	34.741192	0.021029	0.133918
## 13374	31	14.814435	0.014351	0.082157
## 13377	31	2.055232	0.021020	0.077520
## 13380	55	6.232033	0.018779	0.094773
## 13387	57	9.530441	0.015820	0.103454
## 13388	104	9.818357	0.020468	0.129958
## 13390	62	4.650285	0.018535	0.122581
## 13398	25	24.842209	0.016841	0.129250
## 13405	62	11.868655	0.014126	0.137752
## 13408	36	18.465126	0.015768	0.134635
## 13411	32	17.681940	0.020587	0.141406
## 13414	38	22.992420	0.019272	0.111678
## 13417	47	18.572121	0.018161	0.122274
## 13421	31	11.492071	0.019219	0.115222
## 13427	25	43.943432	0.018259	0.116375
## 13430	65	22.003958	0.022587	0.089423
## 13435	99	13.146918	0.020381	0.077683
## 13444	25	36.238049	0.019441	0.070125

## 13445	37	12.852226	0.019415	0.068834
## 13454	25	54.388783	0.017196	0.090375
## 13457	67	34.359146	0.020706	0.135728
## 13460	67	16.373011	0.016597	0.134235
## 13462	25	9.939900	0.014952	0.104500
## 13464	36	18.347595	0.012322	0.085677
## 13465	25	25.715872	0.019933	0.074625
## 13472	34	23.348381	0.020683	0.105790
## 13474	101	15.809540	0.019122	0.128496
## 13486	50	8.829809	0.018156	0.120562
## 13488	59	35.334602	0.018626	0.128178
## 13489	47	22.396744	0.017022	0.241622
## 13494	90	14.585108	0.017293	0.089931
## 13496	85	9.211843	0.014220	0.096544
## 13497	113	13.839890	0.013056	0.104314
## 13499	143	8.135976	0.015151	0.118553
## 13501	164	10.699037	0.015591	0.079021
## 13503	99	17.571173	0.016343	0.087121
## 13513	39	39.851612	0.009985	0.098317
## 13520	144	17.025078	0.012729	0.085243
## 13521	329	7.774192	0.009517	0.108349
## 13524	224	14.452880	0.014252	0.088449
## 13527	93	12.117390	0.014565	0.095128
## 13529	28	17.561899	0.020977	0.079576
## 13531	93	7.111742	0.016898	0.093313
## 13535	487	11.246542	0.014834	0.128472
## 13538	29	26.646574	0.013725	0.125754
## 13544	25	60.386185	0.018501	0.068500
## 13552	32	42.529228	0.008455	0.086230
## 13554	25	50.323296	0.007815	0.085625
## 13561	61	6.168168	0.020681	0.083094
## 13563	30	18.352652	0.019687	0.082812
## 13565	65	27.368921	0.018927	0.085096
## 13570	25	55.909866	0.021058	0.111500
## 13573	31	13.752207	0.019165	0.131351
## 13577	60	6.602679	0.019128	0.101615
## 13581	50	11.547351	0.020840	0.092875
## 13582	66	10.741976	0.023801	0.104356
## 13585	28	5.215230	0.020993	0.102902
## 13590	49	8.908458	0.018882	0.127296
## 13597	25	24.005020	0.013370	0.126250
## 13601	27	18.070549	0.018407	0.124537
## 13602	94	3.648444	0.020274	0.146343
## 13608	25	24.569815	0.015445	0.097000
## 13610	32	16.005726	0.011903	0.127832
## 13614	44	13.483816	0.021705	0.131037
## 13619	31	6.555506	0.019848	0.114113
## 13621	31	11.288087	0.017976	0.118952
## 13628	37	35.717743	0.019219	0.127703
## 13633	30	28.468304	0.019037	0.106458
## 13636	25	13.663692	0.017143	0.131000
## 13640	151	7.474255	0.021814	0.122454
## 13650	73	23.873808	0.022265	0.078938
## 13651	39	17.549738	0.014362	0.073397

## 13654	25	50.033836	0.018499	0.095125
## 13662	31	26.105722	0.020446	0.064819
## 13671	85	20.775126	0.021205	0.089375
## 13673	31	14.938174	0.019290	0.112802
## 13676	31	2.053439	0.018027	0.114516
## 13680	38	2.813613	0.008894	0.072944
## 13682	66	10.563045	0.020585	0.084091
## 13684	28	15.343658	0.021900	0.099442
## 13688	25	22.711571	0.015288	0.107875
## 13697	25	23.928556	0.017565	0.141750
## 13700	27	23.392187	0.017438	0.102662
## 13701	27	18.557564	0.010908	0.138310
## 13719	32	8.111435	0.019417	0.110840
## 13723	49	18.874161	0.018790	0.121173
## 13724	26	13.861817	0.017980	0.104447
## 13727	25	41.965408	0.020043	0.095250
## 13733	29	26.030571	0.018776	0.118211
## 13737	55	10.760914	0.023238	0.113466
## 13741	29	33.840626	0.002876	0.092349
## 13742	53	9.966752	0.013961	0.140448
## 13747	25	15.979589	0.009929	0.104875
## 13751	121	14.016766	0.011730	0.114101
## 13755	294	20.792862	0.016010	0.130591
## 13757	80	14.313588	0.014090	0.123047
## 13759	63	28.299780	0.013053	0.103919
## 13766	72	5.737554	0.024738	0.129297
## 13774	25	49.836617	0.015348	0.090875
## 13782	31	26.847925	0.010213	0.073992
## 13784	58	20.090977	0.022092	0.069828
## 13787	25	21.040417	0.020320	0.083625
## 13790	25	56.861397	0.016304	0.077250
## 13793	31	14.882310	0.019946	0.058770
## 13806	57	9.757914	0.019865	0.095395
## 13809	62	4.912713	0.019778	0.110181
## 13810	49	9.388956	0.019390	0.118622
## 13811	41	15.842352	0.021643	0.107622
## 13815	73	4.955766	0.019113	0.134889
## 13830	32	16.703709	0.015064	0.115137
## 13832	36	10.962671	0.012284	0.148872
## 13834	44	13.834576	0.017794	0.115412
## 13837	101	15.745608	0.020591	0.135520
## 13839	32	7.650933	0.020961	0.148242
## 13840	32	6.325002	0.020613	0.140820
## 13841	31	11.282260	0.017822	0.136794
## 13845	26	7.760244	0.021859	0.087019
## 13848	38	35.617409	0.017921	0.129359
## 13852	27	21.313013	0.018358	0.110764
## 13860	33	13.145473	0.014962	0.180966
## 13870	25	34.467716	0.018057	0.098000
## 13872	25	30.699072	0.016829	0.092875
## 13877	93	20.147682	0.021703	0.102587
## 13880	99	13.274684	0.020137	0.102967
## 13888	33	19.384251	0.017583	0.078125
## 13889	25	35.748207	0.013372	0.066250

## 13892	26	16.817759	0.018204 0.065505
## 13899	28	53.840553	0.021597 0.065960
## 13901	79	33.406902	0.022034 0.074248
## 13902	67	31.251417	0.020441 0.082463
## 13903	25	57.528076	0.017596 0.092625
## 13913	38	2.845078	0.018191 0.125411
## 13916	25	31.102861	0.017565 0.108375
## 13917	29	6.361598	0.016762 0.088901
## 13918	32	24.164007	0.015961 0.103906
## 13931	25	23.995398	0.015305 0.110375
## 13937	67	16.585461	0.019217 0.155084
## 13942	25	26.123806	0.018196 0.122750
## 13947	38	22.432098	0.016568 0.111349
## 13959	51	19.070229	0.021323 0.110968
## 13966	25	14.743954	0.015539 0.117125
## 13971	35	24.030214	0.023438 0.074464
## 13982	161	18.826395	0.014414 0.124476
## 13988	118	8.816313	0.014971 0.128284
## 13989	591	3.538036	0.014953 0.135803
## 13997	87	6.933994	0.010249 0.115338
## 14002	59	15.164458	0.014853 0.103549
## 14012	165	6.180308	0.016554 0.114375
## 14022	118	5.193088	0.011974 0.104052
## 14038	43	31.744226	0.007052 0.096439
## 14046	648	4.319492	0.015499 0.117549
## 14055	228	15.836897	0.017595 0.098890
## 14057	164	9.914968	0.016796 0.129611
## 14059	193	12.024480	0.012170 0.126036
## 14064	160	17.014894	0.017380 0.094590
## 14070	38	23.882805	0.016589 0.100493
## 14073	230	6.115548	0.014318 0.104918
## 14077	67	21.568630	0.008710 0.108722
## 14079	228	8.587601	0.015080 0.089981
## 14080	224	14.087262	0.010764 0.107826
## 14081	127	6.361956	0.014245 0.100221
## 14083	93	10.405522	0.013849 0.080712
## 14084	84	1.701076	0.016355 0.083817
## 14085	28	17.073221	0.019077 0.092746
## 14090	104	6.722893	0.019555 0.098648
## 14094	89	26.509710	0.015493 0.130618
## 14097	585	17.958902	0.011545 0.095764
## 14100	311	10.507118	0.015379 0.110450
## 14101	87	11.933752	0.013394 0.148276
## 14108	308	12.340209	0.015861 0.100832
## 14132	26	16.726824	0.016201 0.073918
## 14137	58	20.520184	0.021028 0.089547
## 14142	67	33.493370	0.017347 0.132743
## 14146	26	13.642088	0.015456 0.108534
## 14161	25	35.023384	0.011339 0.086375
## 14172	25	13.656664	0.005301 0.091375
## 14173	69	11.208083	0.011943 0.079257
## 14182	78	4.117055	0.013379 0.099800
## 14185	78	24.968664	0.018855 0.145673
## 14191	140	5.720727	0.012391 0.141674

## 14196	176	5.165019	0.015066	0.110938
## 14202	52	19.314674	0.011186	0.104447
## 14205	82	10.184662	0.008939	0.117416
## 14206	66	7.552708	0.010919	0.110180
## 14210	63	13.452481	0.024031	0.036954
## 14224	205	15.245276	0.014186	0.114177
## 14225	79	19.284592	0.013298	0.108703
## 14228	64	11.904373	0.006834	0.093750
## 14229	431	13.168079	0.011972	0.119214
## 14231	25	33.727333	0.015368	0.083000
## 14236	128	26.528183	0.013470	0.085669
## 14248	68	6.229729	0.018148	0.079963
## 14257	78	14.748045	0.012789	0.113021
## 14258	53	17.140173	0.018775	0.092276
## 14260	29	25.426596	0.013560	0.081142
## 14263	85	9.909260	0.014801	0.129412
## 14264	78	11.438021	0.014751	0.113462
## 14266	96	11.155904	0.018642	0.077962
## 14272	68	14.686330	0.009130	0.092142
## 14278	25	25.994577	0.015435	0.091875
## 14279	62	14.509885	0.013905	0.102571
## 14286	31	30.167635	0.014618	0.089718
## 14287	25	9.126147	0.015170	0.091625
## 14292	71	13.230890	0.016001	0.084067
## 14299	35	13.075170	0.017747	0.087232
## 14308	99	13.083530	0.019468	0.078946
## 14316	33	17.767355	0.020595	0.069981
## 14319	36	41.767277	0.016562	0.073003
## 14320	26	16.902624	0.018032	0.081731
## 14321	25	38.072571	0.016932	0.073000
## 14331	25	58.360802	0.016600	0.120750
## 14335	34	2.541283	0.016593	0.111581
## 14337	31	1.791114	0.013158	0.078528
## 14343	66	10.827940	0.019956	0.100474
## 14346	28	5.171325	0.015298	0.106473
## 14349	25	24.408550	0.017234	0.107375
## 14358	25	24.766680	0.012157	0.123625
## 14359	28	12.547101	0.017218	0.131362
## 14369	25	25.929983	0.012026	0.123125
## 14373	36	11.398582	0.018760	0.138889
## 14381	32	6.239736	0.017071	0.117383
## 14382	31	10.811529	0.015269	0.122883
## 14386	26	7.470294	0.017732	0.115745
## 14389	38	36.104416	0.019397	0.127385
## 14399	25	32.709442	0.020502	0.129250
## 14400	25	22.207640	0.011207	0.133250
## 14403	40	26.152853	0.014245	0.129141
## 14404	113	23.008682	0.017579	0.130614
## 14409	231	5.819647	0.015459	0.123837
## 14412	103	23.975187	0.016638	0.121905
## 14414	125	18.672777	0.018991	0.119200
## 14420	203	7.442116	0.014148	0.105173
## 14425	80	13.781949	0.016350	0.087578
## 14426	88	7.124883	0.018302	0.094247

## 14436	57	13.956776	0.010755	0.158553
## 14437	25	32.232315	0.005969	0.192625
## 14438	721	7.546959	0.013624	0.129261
## 14441	449	5.419600	0.012238	0.109570
## 14450	25	24.140408	0.012747	0.188750
## 14454	60	2.621227	0.017133	0.098854
## 14455	95	15.184335	0.019295	0.094342
## 14459	54	8.221831	0.013303	0.088426
## 14468	127	16.168036	0.015423	0.072662
## 14470	25	29.104856	0.011327	0.125875
## 14472	186	22.204674	0.018098	0.112517
## 14476	91	15.661489	0.015903	0.125721
## 14486	93	7.389190	0.018982	0.091566
## 14487	102	26.233994	0.017578	0.089124
## 14489	124	8.372889	0.014033	0.133921
## 14490	160	17.137142	0.014926	0.089414
## 14503	115	24.849453	0.011994	0.088804
## 14504	144	17.638771	0.018489	0.097222
## 14510	127	6.194234	0.019427	0.098647
## 14516	93	6.974939	0.018334	0.088138
## 14524	49	14.688061	0.010319	0.090625
## 14528	53	19.798605	0.016863	0.114092
## 14530	92	14.243365	0.019176	0.101936
## 14534	72	25.955099	0.013750	0.118490
## 14535	429	13.057321	0.016162	0.091943
## 14545	35	10.234413	0.008431	0.092857
## 14549	73	7.090901	0.015855	0.101156
## 14550	66	4.763480	0.018539	0.113826
## 14556	53	3.853064	0.011261	0.093455
## 14558	41	10.102242	0.014570	0.081250
## 14564	188	33.497669	0.015484	0.105934
## 14567	73	12.230453	0.015808	0.109846
## 14577	171	4.876744	0.017275	0.107895
## 14584	86	6.010341	0.011260	0.108721
## 14592	63	6.906225	0.016611	0.091071
## 14594	132	26.183922	0.018654	0.105540
## 14604	86	24.577295	0.017983	0.100618
## 14615	300	9.978990	0.024036	0.064833
## 14618	67	26.777401	0.012287	0.095989
## 14623	196	17.091978	0.019542	0.081266
## 14630	35	19.343159	0.013491	0.115000
## 14636	82	11.935460	0.012121	0.124619
## 14637	83	16.430420	0.013498	0.138855
## 14639	25	40.916721	0.012870	0.070125
## 14640	25	28.492620	0.003185	0.124875
## 14649	59	21.801500	0.015877	0.101801
## 14654	43	13.288040	0.001701	0.081613
## 14655	29	21.062263	0.014433	0.066164
## 14666	25	7.133399	0.009606	0.075875
## 14673	27	6.890146	0.018864	0.066782
## 14674	25	11.478251	0.018260	0.073000
## 14680	45	7.383706	0.016072	0.101736
## 14681	34	0.712205	0.009599	0.173254
## 14694	41	5.389550	0.010701	0.156784

## 14704	65	8.145497	0.021586 0.049038
## 14707	34	20.290110	0.016513 0.112684
## 14709	25	17.827829	0.008628 0.103250
## 14710	37	19.513039	0.021223 0.054307
## 14714	25	20.381027	0.016948 0.092125
## 14717	30	13.361567	0.004916 0.061875
## 14718	40	14.659085	0.016173 0.073906
## 14719	40	17.118954	0.017719 0.073750
## 14728	126	1.927084	0.017694 0.112822
## 14729	47	6.728799	0.020467 0.097473
## 14732	25	7.511832	0.012829 0.102500
## 14733	76	8.257872	0.021820 0.134869
## 14734	65	10.834109	0.022336 0.119808
## 14736	94	6.256813	0.019048 0.082181
## 14738	37	14.748675	0.017129 0.097889
## 14742	50	3.241364	0.021502 0.099500
## 14744	41	1.735770	0.016467 0.124238
## 14748	290	7.802399	0.015503 0.122543
## 14752	69	1.067260	0.010227 0.127808
## 14762	28	17.203239	0.019311 0.080804
## 14764	25	15.202283	0.015918 0.085875
## 14775	25	1.335204	0.012745 0.136875
## 14785	56	9.091660	0.019359 0.067076
## 14786	45	11.407570	0.016721 0.079514
## 14795	77	8.095655	0.021048 0.098945
## 14808	25	3.559785	0.022939 0.043125
## 14811	27	5.826421	0.002412 0.223611
## 14813	28	10.781912	0.021513 0.095759
## 14817	25	2.445185	0.015682 0.156125
## 14821	47	12.443769	0.001969 0.175864
## 14826	34	9.769549	0.024668 0.124908
## 14834	32	8.239457	0.012580 0.091309
## 14839	34	13.680345	0.016382 0.111397
## 14855	40	7.811136	0.018732 0.078594
## 14873	71	6.459263	0.015666 0.108627
## 14876	80	7.334344	0.017608 0.127969
## 14881	40	11.585250	0.016908 0.056641
## 14884	46	10.938864	0.019306 0.043546
## 14895	93	10.062689	0.018363 0.068616
## 14896	25	13.990658	0.012348 0.081750
## 14897	145	4.813764	0.014051 0.111034
## 14902	37	37.817104	0.012304 0.120439
## 14908	45	30.005716	0.022493 0.074931
## 14913	201	23.183237	0.018520 0.141107
## 14914	159	17.566513	0.019032 0.139151
## 14915	131	4.008114	0.017566 0.134089
## 14922	45	4.028147	0.015443 0.082292
## 14930	157	4.682796	0.010512 0.088674
## 14937	25	9.205973	0.027179 0.097375
## 14940	135	6.772921	0.019089 0.091667
## 14944	25	15.854278	0.014085 0.089250
## 14948	77	1.740439	0.016720 0.093791
## 14955	27	9.173656	0.020587 0.101157
## 14963	34	19.232107	0.017398 0.089706

## 14974	65	38.755516	0.017923	0.110481
## 14996	79	17.046837	0.010992	0.138885
## 14997	116	13.108095	0.020322	0.092430
## 14998	226	21.324831	0.018622	0.089436
## 15000	52	15.359758	0.017250	0.085276
## 15002	100	5.998248	0.019262	0.067875
## 15004	25	7.119772	0.016966	0.091000
## 15006	78	8.191504	0.018072	0.079848
## 15007	65	11.729631	0.016559	0.076875
## 15010	25	7.996080	0.007617	0.162875
## 15016	60	6.214274	0.025932	0.129896
## 15021	37	13.194011	0.016023	0.106588
## 15036	25	7.942678	0.016696	0.130625
## 15054	41	14.782069	0.017410	0.088643
## 15066	28	9.876953	0.006269	0.117969
## 15068	56	10.785174	0.015769	0.065346
## 15072	29	6.629546	0.019439	0.144073
## 15081	25	18.288256	0.016309	0.168625
## 15082	55	10.345756	0.020324	0.175114
## 15084	25	8.112548	0.010836	0.072250
## 15099	34	5.228898	0.006330	0.187500
## 15101	43	5.594445	0.021635	0.107049
## 15116	64	5.272159	0.012863	0.107568
## 15119	43	18.611303	0.023400	0.080087
## 15124	44	1.855844	0.011696	0.123367
## 15127	25	10.106259	0.018326	0.048125
## 15135	28	2.824638	0.016682	0.095089
## 15149	126	0.711219	0.016816	0.088343
## 15151	73	8.868723	0.016524	0.094735
## 15152	25	7.688202	0.017671	0.067000
## 15155	44	2.509846	0.016612	0.068821
## 15161	149	4.443253	0.014922	0.109165
## 15164	60	2.150561	0.021363	0.094896
## 15166	175	7.095392	0.017361	0.111697
## 15170	65	8.630239	0.015058	0.104375
## 15172	43	8.936685	0.013773	0.109811
## 15176	66	5.864696	0.019777	0.055398
## 15179	30	6.882510	0.016099	0.056250
## 15183	67	18.589148	0.019517	0.060028
## 15187	223	5.309553	0.016483	0.129400
## 15204	40	9.019136	0.020240	0.088672
## 15208	56	9.366527	0.021555	0.058761
## 15224	25	19.955585	0.015849	0.118750
## 15226	30	9.532483	0.015058	0.143646
## 15231	56	8.972535	0.016465	0.100837
## 15240	29	17.093611	0.020023	0.076401
## 15245	107	5.028834	0.021724	0.066355
## 15248	25	12.509387	0.013323	0.081750
## 15251	82	13.479911	0.026592	0.061700
## 15256	25	29.119217	0.021827	0.100875
## 15264	70	9.255590	0.018862	0.120223
## 15267	51	11.212906	0.015792	0.093811
## 15279	38	14.645972	0.025061	0.087993
## 15286	34	4.187748	0.017976	0.102022

## 15291	32	3.790223	0.004705 0.104980
## 15296	25	9.819005	0.011541 0.108125
## 15309	38	3.905289	0.014963 0.078125
## 15312	62	3.677083	0.017543 0.071371
## 15325	46	10.931479	0.020407 0.148098
## 15331	34	8.710258	0.014355 0.124540
## 15342	50	6.341348	0.020684 0.090750
## 15347	29	11.682936	0.012845 0.092780
## 15351	36	2.768664	0.012174 0.106250
## 15355	35	12.394918	0.016567 0.061518
## 15359	25	11.919219	0.019215 0.131375
## 15365	165	11.760315	0.017824 0.060530
## 15366	25	26.173683	0.016471 0.054500
## 15372	25	34.837975	0.017233 0.057625
## 15374	25	18.742599	0.017522 0.036375
## 15375	30	10.678021	0.020650 0.044792
## 15376	90	3.127070	0.016258 0.057778
## 15378	25	13.742331	0.022393 0.041625
## 15387	210	9.252960	0.015971 0.178795
## 15390	43	5.535303	0.010651 0.079288
## 15391	25	6.102304	0.010091 0.104250
## 15392	38	14.648297	0.012789 0.138651
## 15401	33	22.041065	0.018082 0.111932
## 15402	28	11.183747	0.021290 0.097991
## 15405	60	5.556362	0.018035 0.111875
## 15408	41	3.552468	0.017501 0.022104
## 15410	173	3.010752	0.021141 0.046369
## 15411	34	9.953780	0.012964 0.045496
## 15419	28	1.131429	0.010432 0.074554
## 15421	45	4.762118	0.017268 0.073194
## 15423	25	17.298958	0.004358 0.091875
## 15425	153	7.518429	0.020859 0.146569
## 15427	26	20.210833	0.020122 0.137380
## 15432	25	31.280228	0.017424 0.116125
## 15436	103	8.747761	0.015692 0.086711
## 15444	25	6.502951	0.018834 0.038375
## 15446	25	12.236049	0.022938 0.043125
## 15448	73	9.092136	0.024150 0.066866
## 15452	135	6.497533	0.020848 0.104792
## 15459	75	2.107413	0.017002 0.090500
## 15468	80	4.219276	0.015652 0.119141
## 15469	46	10.800531	0.013952 0.105639
## 15470	53	6.683815	0.017507 0.059139
## 15476	30	7.128253	0.009098 0.108750
## 15477	37	13.241918	0.011192 0.106503
## 15481	47	4.579569	0.013951 0.079854
## 15482	43	6.070780	0.015042 0.079942
## 15483	45	2.630373	0.013516 0.084444
## 15485	28	13.191475	0.014632 0.071763
## 15486	45	3.904485	0.022138 0.054097
## 15488	39	37.396164	0.013312 0.082452
## 15493	82	13.232836	0.013336 0.097904
## 15499	201	22.717941	0.024354 0.053016
## 15517	45	7.289496	0.019740 0.067847

## 15521	79	16.768637	0.010381	0.126424
## 15524	86	17.273317	0.014434	0.132595
## 15525	335	16.973417	0.018079	0.089506
## 15539	45	3.616265	0.028281	0.070069
## 15544	153	4.116721	0.027767	0.072181
## 15546	131	10.687241	0.027383	0.062572
## 15547	41	2.893236	0.026490	0.050686
## 15552	29	24.535740	0.022304	0.092349
## 15553	150	6.468216	0.013693	0.179437
## 15563	83	22.511473	0.014957	0.095030
## 15565	78	14.416247	0.005896	0.081370
## 15571	180	19.099167	0.024874	0.067378
## 15576	41	25.632233	0.030557	0.050991
## 15580	58	24.130898	0.026052	0.052425
## 15582	94	9.922908	0.022089	0.053557
## 15589	50	14.287285	0.023704	0.084125
## 15590	75	16.083006	0.021215	0.104833
## 15594	25	25.754145	0.016102	0.092375
## 15602	109	16.478289	0.019604	0.088016
## 15611	40	22.753584	0.017523	0.107422
## 15614	25	27.808809	0.019194	0.087000
## 15618	37	22.725353	0.009431	0.082263
## 15628	73	5.783004	0.013147	0.092637
## 15639	47	11.114808	0.008467	0.145213
## 15646	25	12.745880	0.013385	0.115875
## 15649	25	22.484655	0.029095	0.066125
## 15656	102	2.298647	0.017321	0.071078
## 15657	346	2.606447	0.016058	0.095990
## 15664	235	7.118511	0.013997	0.101715
## 15668	61	8.109454	0.000083	0.057787
## 15670	84	7.506217	0.024150	0.091443
## 15688	25	22.067741	0.005148	0.049125
## 15697	61	14.890464	0.015314	0.099590
## 15700	52	11.615607	0.016364	0.102524
## 15705	77	12.090845	0.016649	0.090057
## 15716	42	11.035391	0.017137	0.099182
## 15730	73	19.307840	0.008526	0.114940
## 15738	25	36.064224	0.008451	0.104125
## 15742	67	5.473742	0.018826	0.098041
## 15743	76	16.917116	0.012063	0.126357
## 15746	87	12.418534	0.013332	0.105747
## 15747	55	6.897423	0.011833	0.124545
## 15753	25	24.796951	0.016334	0.099625
## 15761	64	7.985363	0.023458	0.114453
## 15769	32	17.253517	0.022266	0.079590
## 15781	25	2.533856	0.014082	0.095625
## 15785	25	17.123966	0.016801	0.102000
## 15793	40	8.090879	0.015533	0.104687
## 15794	25	7.890948	0.012915	0.117125
## 15796	26	0.979432	0.009684	0.103966
## 15797	56	8.484305	0.008664	0.054688
## 15798	45	9.266710	0.012938	0.085972
## 15812	80	8.041264	0.015578	0.122109
## 15820	71	6.633135	0.009854	0.102069

## 15832	28	40.239098	0.011149	0.092299
## 15836	33	18.486900	0.018221	0.124905
## 15837	25	35.207916	0.011252	0.108375
## 15843	45	18.681484	0.019046	0.100208
## 15846	110	14.315950	0.018484	0.116051
## 15850	25	12.560620	0.006736	0.059125
## 15860	102	31.222822	0.024386	0.123775
## 15864	25	26.806221	0.006908	0.102500
## 15865	25	22.266933	0.013641	0.096625
## 15874	28	23.466566	0.004946	0.085045
## 15881	26	22.547585	0.012549	0.096034
## 15882	131	16.647327	0.011011	0.109327
## 15884	48	12.805598	0.017785	0.101497
## 15885	46	18.699158	0.011427	0.098845
## 15887	115	11.831344	0.012108	0.083723
## 15890	180	15.690301	0.014897	0.106215
## 15893	25	16.810331	0.019746	0.070625
## 15896	92	2.390562	0.011939	0.116678
## 15897	35	13.102378	0.011119	0.090536
## 15910	83	12.889524	0.017720	0.120783
## 15918	58	5.509492	0.014342	0.086315
## 15920	89	7.961288	0.006962	0.101720
## 15924	33	29.226744	0.014699	0.101231
## 15926	130	14.965783	0.014975	0.087596
## 15932	30	5.163150	0.011361	0.085625
## 15944	25	25.944487	0.005607	0.153625
## 15947	25	10.028696	0.013376	0.075250
## 15949	25	8.863738	0.013205	0.074750
## 15950	41	7.132973	0.022506	0.051448
## 15953	31	10.388144	0.013580	0.078125
## 15954	197	4.953853	0.015558	0.134296
## 15955	89	6.740756	0.013625	0.138448
## 15956	40	6.800859	0.015097	0.114453
## 15957	44	6.793659	0.017784	0.099290
## 15960	43	6.211443	0.020044	0.109593
## 15974	100	6.318309	0.017854	0.080938
## 15978	25	19.899439	0.020512	0.083625
## 15989	43	5.484224	0.013596	0.117733
## 15997	118	7.288639	0.020893	0.128972
## 15999	41	2.493979	0.016122	0.111662
## 16004	25	19.949331	0.013960	0.086875
## 16015	40	7.467566	0.022712	0.134766
## 16023	27	15.478517	0.015314	0.073958
## 16025	149	4.614227	0.016078	0.109228
## 16029	60	11.161849	0.013158	0.133750
## 16031	30	4.340006	0.007336	0.138333
## 16037	35	8.691131	0.011319	0.130446
## 16038	60	2.474015	0.012928	0.149375
## 16045	164	12.601549	0.016571	0.064043
## 16056	26	30.846340	0.015442	0.080889
## 16061	25	16.906868	0.019220	0.079625
## 16066	31	13.891194	0.019635	0.044052
## 16067	39	14.155515	0.012170	0.086378
## 16069	30	17.615025	0.017428	0.067604

## 16077	126	1.945058	0.016550 0.097520
## 16081	37	4.918553	0.013162 0.100929
## 16082	66	5.812242	0.013815 0.096875
## 16087	46	4.765067	0.017661 0.090149
## 16089	210	2.019779	0.017815 0.070074
## 16091	37	37.409039	0.016119 0.077703
## 16093	25	12.648053	0.016387 0.078250
## 16095	42	7.600064	0.004547 0.100521
## 16100	25	12.752376	0.019236 0.084875
## 16104	131	4.449821	0.018915 0.139480
## 16112	210	23.057684	0.009060 0.192113
## 16114	31	15.924016	0.008789 0.218347
## 16120	25	4.079384	0.012705 0.157625
## 16124	35	11.316757	0.020976 0.109911
## 16131	25	19.740253	0.005423 0.114750
## 16149	135	6.915783	0.016683 0.092106
## 16150	50	8.233568	0.011678 0.138375
## 16153	25	16.628378	0.018893 0.083125
## 16155	29	13.096232	0.017396 0.114332
## 16162	44	4.499479	0.016542 0.100213
## 16169	59	2.592458	0.015243 0.060593
## 16170	25	5.395941	0.007588 0.066000
## 16171	25	2.989058	0.010920 0.065125
## 16175	77	4.204000	0.022530 0.075000
## 16180	249	2.881092	0.015179 0.109890
## 16182	34	23.344784	0.020957 0.086949
## 16185	37	21.848124	0.015301 0.089443
## 16195	256	5.309476	0.014604 0.158728
## 16213	128	2.238565	0.003410 0.082227
## 16216	28	24.477314	0.015196 0.081138
## 16218	47	23.724710	0.001862 0.085971
## 16222	82	9.032602	0.024541 0.086509
## 16226	25	19.438377	0.023295 0.080125
## 16236	25	8.395761	0.013157 0.091000
## 16237	83	3.400979	0.014336 0.081250
## 16240	50	7.936673	0.019719 0.119375
## 16242	27	14.714538	0.013934 0.072454
## 16253	65	8.810496	0.017406 0.064471
## 16255	46	11.557614	0.017571 0.059783
## 16268	79	16.983255	0.015105 0.094185
## 16272	335	17.131029	0.018532 0.080532
## 16273	100	6.097885	0.017842 0.093469
## 16276	47	14.073892	0.017943 0.080319
## 16284	25	16.903023	0.023415 0.042125
## 16286	27	11.872973	0.023154 0.037500
## 16293	105	4.512369	0.012471 0.132857
## 16299	147	6.956352	0.017083 0.100064
## 16305	29	5.477441	0.017153 0.093103
## 16306	90	5.383800	0.015032 0.087639
## 16318	53	5.354893	0.017161 0.110024
## 16320	62	4.842187	0.021436 0.055292
## 16324	26	8.877371	0.021423 0.070673
## 16334	57	4.693686	0.016287 0.132730
## 16337	40	8.051608	0.014328 0.126172

## 16340	83	2.966405	0.016184 0.122440
## 16341	117	7.929291	0.016493 0.134562
## 16342	135	6.970672	0.015340 0.117662
## 16344	29	2.119341	0.014805 0.085237
## 16349	78	2.123898	0.015918 0.087981
## 16351	162	4.491948	0.014521 0.123129
## 16354	175	7.312077	0.011603 0.095607
## 16355	54	4.373708	0.009039 0.099479
## 16360	208	9.389856	0.020914 0.071409
## 16364	25	6.236636	0.006274 0.068125
## 16367	34	2.811465	0.013720 0.121691
## 16376	54	6.667491	0.019155 0.109433
## 16377	33	8.453231	0.014470 0.102462
## 16380	192	6.342729	0.015538 0.158545
## 16387	52	6.460946	0.018539 0.095733
## 16388	59	4.310730	0.008993 0.100106
## 16392	130	5.490051	0.008611 0.153606
## 16401	34	10.880732	0.019948 0.072794
## 16404	155	4.635790	0.022895 0.066189
## 16415	206	8.452578	0.015365 0.078686
## 16417	44	16.702888	0.000636 0.096946
## 16422	80	8.449804	0.009380 0.181016
## 16425	42	21.939627	0.007510 0.194940
## 16428	25	3.872153	0.021469 0.122500
## 16429	43	13.184867	0.014826 0.165116
## 16432	57	4.002831	0.026914 0.094518
## 16436	83	3.017441	0.016119 0.095218
## 16445	78	2.105582	0.016027 0.114623
## 16451	154	8.769792	0.015585 0.113920
## 16457	54	4.700498	0.018727 0.073032
## 16462	26	15.271977	0.014583 0.068750
## 16463	35	12.107088	0.017163 0.089554
## 16465	102	8.074835	0.017903 0.063756
## 16466	79	11.070621	0.018990 0.061630
## 16468	205	7.209050	0.021212 0.065137
## 16473	56	24.818829	0.011845 0.215792
## 16474	48	25.256310	0.005869 0.230338
## 16475	88	11.545494	0.004879 0.116406
## 16476	116	1.835148	0.002391 0.173922
## 16477	44	13.517162	0.006510 0.219602
## 16479	25	4.486094	0.010759 0.167125
## 16480	25	6.580529	0.009678 0.155375
## 16483	25	7.267351	0.011054 0.138500
## 16491	25	2.930426	0.018433 0.170500
## 16495	77	4.631789	0.015264 0.116883
## 16498	79	0.905001	0.018710 0.085601
## 16500	33	14.148343	0.012207 0.095076
## 16501	34	4.322622	0.018876 0.073805
## 16503	26	3.837596	0.018580 0.083894
## 16509	70	5.114372	0.020643 0.076295
## 16515	34	2.403186	0.010285 0.097335
## 16528	90	6.043136	0.014348 0.090486
## 16538	73	10.678438	0.021718 0.096490
## 16542	33	1.700321	0.017733 0.018087

## 16549	60	5.427958	0.017458 0.048177
## 16551	46	4.919023	0.019730 0.060870
## 16554	173	3.123591	0.014189 0.096658
## 16558	43	6.254195	0.010360 0.082558
## 16561	25	7.130347	0.014845 0.087750
## 16571	34	7.861248	0.019149 0.065349
## 16574	94	1.511094	0.020178 0.089594
## 16581	108	10.033772	0.022333 0.146557
## 16595	55	13.186542	0.019517 0.059148
## 16599	27	7.177085	0.020728 0.083912
## 16603	60	6.520654	0.021762 0.100885
## 16609	25	18.838377	0.012593 0.032875
## 16610	28	24.696589	0.011409 0.065290
## 16618	39	6.369002	0.030968 0.071234
## 16621	31	4.515206	0.025055 0.074294
## 16631	154	4.094191	0.024691 0.077780
## 16632	40	6.971982	0.021802 0.083984
## 16647	176	7.035264	0.015869 0.091211
## 16650	41	12.618180	0.015792 0.065549
## 16653	25	26.951170	0.014634 0.046750
## 16656	25	19.103575	0.015610 0.062375
## 16671	100	5.784771	0.018785 0.085625
## 16673	63	24.151884	0.016319 0.068502
## 16674	58	14.450849	0.018651 0.082651
## 16680	62	15.546038	0.016309 0.060887
## 16683	57	2.704391	0.020068 0.067215
## 16684	41	16.165972	0.015934 0.081326
## 16685	35	7.955600	0.018711 0.069643
## 16687	38	2.804565	0.023734 0.102796
## 16693	110	10.472478	0.007252 0.087330
## 16702	25	19.313484	0.010006 0.024875
## 16705	81	4.498960	0.014704 0.062230
## 16707	44	6.741890	0.018177 0.079048
## 16711	41	16.271711	0.016080 0.053887
## 16713	25	11.169628	0.013246 0.065000
## 16724	164	12.404035	0.018721 0.064653
## 16725	40	6.974846	0.021121 0.075859
## 16728	83	3.351693	0.020514 0.054970
## 16733	27	15.480277	0.014214 0.102894
## 16736	29	11.675628	0.013708 0.072953
## 16745	25	15.834958	0.009421 0.104750
## 16751	63	23.845860	0.017671 0.079960
## 16763	35	9.158925	0.014716 0.080714
## 16765	38	2.615911	0.013441 0.066530
## 16768	55	7.342086	0.022796 0.125000
## 16769	30	10.346435	0.022477 0.100208
## 16770	36	7.076860	0.023732 0.080729
## 16779	37	5.231955	0.020584 0.126182
## 16790	43	6.194180	0.017849 0.072384
## 16800	25	5.429940	0.014933 0.084750
## 16804	25	13.173802	0.012052 0.089500
## 16814	51	30.040386	0.011974 0.099510
## 16822	183	5.892348	0.017568 0.111322
## 16831	28	18.930187	0.010092 0.078460

## 16833	37	28.026598	0.015451	0.095524
## 16835	62	15.427729	0.013842	0.105444
## 16836	34	11.331198	0.017698	0.090074
## 16838	57	2.672012	0.016043	0.096327
## 16842	38	2.100446	0.020350	0.079276
## 16844	137	8.709437	0.021878	0.084147
## 16849	32	9.815195	0.020335	0.075977
## 16855	30	7.181083	0.004011	0.086458
## 16864	111	21.802032	0.016251	0.093694
## 16865	25	19.013237	0.013372	0.108125
## 16877	27	15.550886	0.020895	0.121296
## 16881	158	16.615292	0.019410	0.133287
## 16884	34	20.752478	0.016204	0.120956
## 16887	37	19.999119	0.023121	0.045524
## 16892	30	9.960546	0.014414	0.083125
## 16893	87	3.315851	0.018763	0.083154
## 16894	249	2.398880	0.013772	0.110492
## 16895	67	18.913017	0.015340	0.108442
## 16899	226	20.922850	0.019049	0.084126
## 16900	86	17.295568	0.018495	0.068278
## 16907	145	6.116518	0.019901	0.061961
## 16909	34	6.688848	0.021834	0.065533
## 16914	73	8.820385	0.021288	0.081550
## 16917	117	7.812602	0.017783	0.100134
## 16928	69	8.468491	0.015784	0.065716
## 16940	148	6.777361	0.015784	0.086740
## 16941	25	28.828938	0.002049	0.074875
## 16947	75	7.326156	0.024476	0.057000
## 16948	224	4.756873	0.025045	0.076088
## 16952	29	18.038458	0.025747	0.054095
## 16956	27	8.429880	0.021256	0.090972
## 16963	29	7.068860	0.020258	0.116810
## 16964	38	1.757075	0.024574	0.096711
## 16968	55	7.419212	0.005302	0.072841
## 16980	116	12.903496	0.016249	0.086449
## 16984	100	5.732731	0.016454	0.074906
## 16995	25	6.339046	0.015155	0.054250
## 16999	166	6.358654	0.013301	0.116849
## 17004	139	2.359018	0.016249	0.120504
## 17008	73	9.023468	0.018820	0.109632
## 17027	25	15.163896	0.018317	0.056500
## 17033	69	8.187518	0.018218	0.082518
## 17035	65	6.095646	0.015765	0.067788
## 17040	48	5.380743	0.012170	0.075846
## 17045	80	11.519740	0.013488	0.083711
## 17047	26	9.494834	0.007306	0.110337
## 17049	31	6.990324	0.009425	0.111996
## 17053	91	10.679869	0.015188	0.104293
## 17054	84	13.675332	0.014670	0.098512
## 17061	206	16.063875	0.011491	0.150243
## 17069	90	16.664370	0.012575	0.087847
## 17079	70	10.652928	0.012985	0.158661
## 17080	25	45.867001	0.006433	0.152875
## 17081	50	7.015790	0.011180	0.187750

## 17082	106	5.798073	0.013039 0.091952
## 17083	93	20.516457	0.015420 0.102386
## 17084	87	4.800509	0.012527 0.091631
## 17089	90	14.821584	0.020220 0.107500
## 17093	94	7.665093	0.019847 0.096310
## 17096	423	13.204165	0.015076 0.128014
## 17102	59	5.520947	0.014683 0.058316
## 17108	160	16.640484	0.013778 0.134785
## 17111	26	33.052059	0.014812 0.090745
## 17119	144	16.839752	0.016958 0.093511
## 17129	93	6.882771	0.011638 0.076445
## 17131	63	8.864617	0.020719 0.090972
## 17134	95	5.879374	0.012687 0.131316
## 17137	108	5.915468	0.015044 0.138918
## 17144	86	11.577589	0.015972 0.117478
## 17152	79	4.406780	0.021047 0.098062
## 17156	43	10.985232	0.018462 0.102471
## 17157	140	8.329320	0.019380 0.103973
## 17158	71	9.939499	0.018699 0.105370
## 17162	39	23.295158	0.018120 0.093510
## 17164	27	27.898897	0.018838 0.070949
## 17166	73	13.887032	0.019985 0.090668
## 17172	25	21.982229	0.017903 0.095125
## 17175	74	7.944647	0.013158 0.094383
## 17177	152	3.963418	0.013213 0.103433
## 17184	36	17.122213	0.020693 0.094705
## 17185	25	13.302066	0.022416 0.064750
## 17193	32	7.470843	0.003303 0.135352
## 17196	65	8.997890	0.002185 0.131827
## 17201	199	5.078795	0.020358 0.123979
## 17204	77	9.859838	0.013024 0.089205
## 17209	99	26.520227	0.013071 0.094003
## 17210	87	23.427149	0.015976 0.088003
## 17211	76	9.216748	0.016677 0.091694
## 17226	146	7.824125	0.009567 0.110103
## 17236	82	5.119915	0.021627 0.114749
## 17237	106	7.023510	0.015905 0.107695
## 17245	25	30.330803	0.016392 0.107500
## 17250	86	12.955791	0.014840 0.122057
## 17255	335	12.629210	0.021905 0.070187
## 17257	78	5.494206	0.010982 0.088341
## 17259	196	15.977966	0.019382 0.077344
## 17270	69	17.898331	0.020136 0.078533
## 17281	63	6.771537	0.011873 0.129018
## 17287	46	15.013196	0.008707 0.095313
## 17298	77	2.709701	0.017140 0.086161
## 17304	25	20.906973	0.001541 0.065125
## 17311	71	10.276230	0.009591 0.089217
## 17314	69	2.612971	0.013656 0.080707
## 17336	29	19.169231	0.014812 0.128772
## 17341	113	3.402854	0.008046 0.092589
## 17350	44	1.834405	0.015975 0.080540
## 17354	51	10.456032	0.017834 0.102757
## 17355	25	5.912961	0.015565 0.043750

## 17356	35	9.086452	0.017316	0.107946
## 17358	25	18.684153	0.017849	0.118000
## 17359	151	5.175497	0.014133	0.109830
## 17362	202	5.920799	0.015498	0.093286
## 17365	34	18.121557	0.019220	0.102114
## 17369	53	1.025828	0.006427	0.015389
## 17373	39	20.534847	0.016965	0.087981
## 17374	44	18.019827	0.013985	0.085227
## 17375	27	5.475091	0.011624	0.077083
## 17382	25	13.924623	0.006168	0.122625
## 17388	52	10.884186	0.013678	0.090565
## 17398	53	11.379213	0.024756	0.126710
## 17408	75	19.186241	0.020974	0.095625
## 17411	61	27.969078	0.012385	0.100922
## 17416	71	30.652546	0.025501	0.097755
## 17418	44	19.118464	0.021684	0.094176
## 17426	58	15.712729	0.014356	0.101994
## 17433	260	4.757328	0.014479	0.101514
## 17441	65	23.906063	0.007757	0.115529
## 17456	25	13.092076	0.003205	0.113750
## 17460	70	4.856743	0.012585	0.111027
## 17467	58	13.399575	0.019902	0.127371
## 17479	51	9.412695	0.022150	0.133395
## 17484	41	29.942989	0.016848	0.109985
## 17489	26	20.642822	0.019870	0.085937
## 17491	34	23.887390	0.020801	0.100092
## 17494	77	3.720480	0.018205	0.125162
## 17497	46	4.105051	0.017936	0.110802
## 17502	124	2.468508	0.018733	0.106754
## 17507	124	2.677558	0.019454	0.102747
## 17509	30	6.387914	0.010896	0.102083
## 17511	60	3.440234	0.007400	0.062760
## 17516	28	7.199545	0.008539	0.059598
## 17524	95	3.559675	0.008066	0.064901
## 17531	131	23.044199	0.022941	0.124929
## 17537	44	18.870995	0.005871	0.135724
## 17542	47	31.414940	0.012911	0.131782
## 17545	183	26.297791	0.017135	0.125359
## 17548	25	15.997515	0.004853	0.119000
## 17551	25	20.445585	0.017412	0.103750
## 17553	43	12.955618	0.015516	0.114753
## 17561	51	7.189701	0.016741	0.131434
## 17563	398	5.395662	0.013350	0.110199
## 17564	136	21.775360	0.009357	0.101310
## 17565	261	22.331919	0.012431	0.100072
## 17572	27	13.142454	0.013429	0.090972
## 17575	108	24.875990	0.014339	0.114641
## 17581	51	11.005379	0.011430	0.102696
## 17601	58	5.543635	0.016358	0.110345
## 17603	89	7.612322	0.015533	0.110674
## 17614	92	2.503213	0.013175	0.113723
## 17615	35	13.327282	0.013022	0.119107
## 17617	138	4.234369	0.013461	0.096558
## 17624	41	9.863232	0.027625	0.115320

## 17627	25	24.845373	0.022214	0.101000
## 17632	206	3.179029	0.022085	0.110953
## 17634	36	14.609028	0.006784	0.149826
## 17635	25	13.690897	0.014050	0.153375
## 17643	123	2.705897	0.009295	0.139990
## 17646	105	3.260084	0.009778	0.104911
## 17650	43	6.891830	0.005177	0.089026
## 17663	34	10.389154	0.013057	0.058548
## 17664	25	14.376195	0.007773	0.064125
## 17669	124	2.326215	0.013336	0.105242
## 17675	35	2.842072	0.009267	0.121964
## 17683	66	15.808298	0.017541	0.087737
## 17686	88	5.213369	0.015667	0.100213
## 17694	59	6.834642	0.017282	0.118114
## 17699	29	14.568854	0.006971	0.145474
## 17700	29	13.381926	0.006474	0.212392
## 17707	76	7.648928	0.014544	0.100576
## 17711	25	7.570198	0.014045	0.074375
## 17712	41	16.472975	0.010478	0.087195
## 17721	25	9.262398	0.012035	0.099625
## 17723	26	19.577526	0.012290	0.079688
## 17737	435	10.511342	0.013543	0.124030
## 17742	388	7.682225	0.015348	0.147592
## 17743	40	8.804467	0.012267	0.112344
## 17746	833	9.122071	0.014369	0.130713
## 17754	30	17.203035	0.005955	0.094896
## 17755	78	4.665058	0.014790	0.131210
## 17756	102	11.550061	0.011332	0.120895
## 17765	37	11.233659	0.019172	0.121030
## 17768	25	25.183535	0.001186	0.101375
## 17776	25	13.941916	0.016336	0.066625
## 17780	151	8.021654	0.017447	0.111527
## 17781	103	4.530868	0.015555	0.112530
## 17792	29	14.851157	0.002760	0.206681
## 17794	25	10.118182	0.001099	0.140750
## 17795	37	8.744231	0.007662	0.173311
## 17811	32	3.689889	0.010886	0.120801
## 17812	51	11.923268	0.018333	0.123407
## 17813	32	3.100768	0.019564	0.101758
## 17817	37	6.973665	0.015498	0.065794
## 17825	26	5.212737	0.012690	0.170673
## 17827	25	22.907059	0.016412	0.072125
## 17832	27	8.930302	0.019702	0.103819
## 17839	212	8.927479	0.014749	0.121315
## 17843	38	4.157775	0.002038	0.197204
## 17846	62	4.069343	0.010633	0.157308
## 17851	37	21.453106	0.019536	0.104223
## 17852	31	22.320961	0.017309	0.131149
## 17856	36	3.913875	0.018397	0.091319
## 17857	25	7.656360	0.016729	0.115625
## 17860	37	3.707410	0.010133	0.114527
## 17863	29	2.207843	0.021343	0.089547
## 17867	211	5.934693	0.016996	0.074541
## 17873	132	16.601776	0.012096	0.100710

## 17876	40	12.517314	0.017657 0.099297
## 17880	81	6.384846	0.018674 0.075309
## 17889	34	12.207082	0.018349 0.125735
## 17893	81	4.027609	0.024113 0.115509
## 17897	25	7.143956	0.015551 0.241000
## 17904	266	11.520679	0.013840 0.119208
## 17913	52	17.025675	0.013390 0.113041
## 17916	380	12.883748	0.017507 0.127146
## 17918	34	18.889137	0.014750 0.144026
## 17919	410	8.212881	0.015476 0.139177
## 17920	348	9.048547	0.017997 0.142852
## 17921	472	8.294091	0.017220 0.134157
## 17924	573	13.436183	0.014881 0.147770
## 17944	452	7.304973	0.017838 0.161664
## 17947	391	8.667937	0.019352 0.141137
## 17976	32	7.606460	0.019071 0.108105
## 17979	45	9.478693	0.012801 0.027778
## 17981	25	8.919446	0.005716 0.085250
## 17990	30	11.465180	0.016096 0.095625
## 17996	36	14.703670	0.014000 0.088802
## 18003	25	5.908256	0.001584 0.029750
## 18013	44	8.592650	0.018532 0.053835
## 18014	45	4.209471	0.023069 0.120486
## 18021	25	12.088078	0.008445 0.055000
## 18032	35	10.198482	0.020923 0.129911
## 18033	25	8.785332	0.017809 0.075250
## 18040	50	1.970516	0.014403 0.124687
## 18046	45	3.636151	0.011535 0.095000
## 18051	25	25.357449	0.011768 0.076750
## 18056	77	11.552924	0.014404 0.120008
## 18057	118	8.014852	0.010443 0.157124
## 18061	41	13.701692	0.022814 0.090015
## 18065	99	10.655763	0.018957 0.181313
## 18070	66	14.219971	0.024331 0.119034
## 18077	93	7.955748	0.024248 0.111895
## 18078	111	7.697488	0.020176 0.135276
## 18079	81	3.165770	0.013869 0.241821
## 18080	25	51.504780	0.011088 0.134750
## 18086	145	7.023100	0.028824 0.070108
## 18093	417	9.106080	0.018038 0.127226
## 18095	38	14.873540	0.004738 0.096299
## 18103	233	11.868958	0.016618 0.147814
## 18107	221	8.318761	0.019823 0.115455
## 18112	337	7.509880	0.015124 0.111146
## 18114	523	6.510481	0.019203 0.118398
## 18118	263	8.040576	0.020032 0.121412
## 18120	226	9.355535	0.010505 0.117104
## 18126	140	16.075562	0.015294 0.102500
## 18127	131	16.659628	0.023431 0.084232
## 18129	31	5.755833	0.022265 0.073488
## 18133	36	19.463982	0.018849 0.073698
## 18144	29	2.560139	0.009655 0.100539
## 18148	32	7.789196	0.006994 0.084570
## 18152	34	6.928121	0.012564 0.060018

## 18154	25	7.006552	0.015032 0.073500
## 18156	53	8.283104	0.015520 0.093750
## 18158	25	5.598776	0.014677 0.108625
## 18159	105	8.696930	0.015989 0.109077
## 18166	38	8.020739	0.010925 0.122615
## 18172	32	8.277514	0.016650 0.130566
## 18173	29	27.746136	0.009849 0.055603
## 18174	28	6.627990	0.014424 0.104688
## 18177	43	6.808038	0.013478 0.117878
## 18184	66	16.461636	0.017471 0.098295
## 18185	33	6.930305	0.013835 0.083902
## 18189	29	4.442486	0.015750 0.089332
## 18191	26	8.741027	0.015495 0.087861
## 18198	41	2.627793	0.006958 0.081555
## 18199	38	2.130646	0.009094 0.062253
## 18208	95	14.992358	0.016065 0.128026
## 18210	119	11.993855	0.018726 0.112500
## 18213	32	3.659179	0.009636 0.120117
## 18214	37	9.855232	0.015291 0.143750
## 18216	25	5.554925	0.017989 0.097000
## 18225	62	20.777325	0.020080 0.047278
## 18228	33	17.816751	0.019005 0.062405
## 18249	25	18.241751	0.021158 0.099125
## 18251	25	17.654758	0.015554 0.101250
## 18254	25	6.174618	0.018471 0.067000
## 18262	491	7.486676	0.015126 0.114282
## 18266	296	6.676806	0.018041 0.111455
## 18268	65	6.146381	0.018438 0.108125
## 18274	39	17.727701	0.019105 0.116186
## 18276	211	8.775034	0.013387 0.112130
## 18282	877	10.770514	0.016859 0.145899
## 18284	44	18.270527	0.015797 0.098011
## 18285	197	9.357018	0.018354 0.107836
## 18286	379	7.369667	0.011745 0.112145
## 18290	43	13.928142	0.015330 0.107413
## 18294	1248	9.033356	0.017453 0.101255
## 18295	241	8.817899	0.014398 0.094334
## 18296	379	10.757859	0.014811 0.087756
## 18297	47	17.043133	0.015088 0.087301
## 18303	309	7.696493	0.016673 0.125455
## 18305	185	9.359945	0.016119 0.150895
## 18310	36	18.201393	0.013456 0.111719
## 18315	32	8.614680	0.025531 0.109863
## 18318	33	18.045019	0.024224 0.095360
## 18320	46	4.023493	0.020979 0.017391
## 18325	37	2.814430	0.016012 0.090118
## 18356	29	15.566274	0.018293 0.167672
## 18357	25	10.107951	0.022088 0.127125
## 18358	37	8.754978	0.016820 0.131672
## 18361	71	5.144173	0.002094 0.255678
## 18368	25	13.119097	0.015414 0.085125
## 18371	25	6.561086	0.009178 0.076500
## 18372	44	6.126569	0.013166 0.109659
## 18378	94	4.457521	0.009740 0.088531

## 18380	25	5.977338	0.010452 0.081125
## 18385	77	4.629595	0.011343 0.087459
## 18386	94	3.305741	0.013632 0.091656
## 18388	79	1.593038	0.010010 0.060127
## 18392	52	6.902424	0.016665 0.090986
## 18394	89	4.902516	0.016312 0.077493
## 18398	133	5.904116	0.017084 0.096429
## 18403	36	15.249479	0.012032 0.082031
## 18404	25	26.210583	0.013091 0.104750
## 18405	54	8.122705	0.012355 0.097512
## 18407	34	12.272854	0.013763 0.101930
## 18414	95	7.460401	0.011718 0.099276
## 18415	84	3.263688	0.013067 0.146875
## 18423	48	27.775782	0.015994 0.115430
## 18427	25	42.428661	0.016191 0.130375
## 18439	417	7.596208	0.016309 0.141644
## 18453	204	8.528094	0.015288 0.133716
## 18454	25	40.884033	0.011718 0.129500
## 18455	25	19.956629	0.010280 0.113500
## 18459	25	13.462384	0.015599 0.118750
## 18460	1906	8.223905	0.015942 0.154656
## 18466	424	6.994370	0.013291 0.145762
## 18470	670	7.619680	0.015328 0.138293
## 18474	367	8.285293	0.013964 0.140421
## 18477	899	9.537460	0.016194 0.146906
## 18478	155	6.581040	0.013610 0.141351
## 18479	25	27.407871	0.017318 0.117250
## 18480	25	25.948172	0.010362 0.133500
## 18488	30	39.055729	0.018867 0.132188
## 18493	32	4.488404	0.016847 0.122852
## 18495	41	4.105978	0.021255 0.110137
## 18496	34	4.276001	0.019163 0.121691
## 18498	25	11.061512	0.018388 0.112000
## 18502	342	10.299610	0.017269 0.138651
## 18503	293	10.384164	0.017088 0.133404
## 18504	119	3.140129	0.006121 0.194407
## 18507	36	15.016137	0.019969 0.174219
## 18511	57	14.696960	0.013090 0.054550
## 18512	43	9.949561	0.009977 0.039244
## 18517	40	15.059534	0.011962 0.062109
## 18519	89	6.893824	0.015301 0.188308
## 18524	76	11.854436	0.019316 0.101933
## 18527	43	19.002548	0.014145 0.059956
## 18533	123	17.041752	0.015630 0.143903
## 18536	573	9.038340	0.016715 0.181643
## 18555	208	12.811944	0.012561 0.155213
## 18560	434	10.731791	0.017645 0.170867
## 18564	25	43.865692	0.015197 0.134875
## 18566	221	7.183610	0.014004 0.168114
## 18567	777	8.208258	0.018025 0.172366
## 18576	307	6.315141	0.013602 0.137459
## 18582	25	9.964784	0.013059 0.131625
## 18592	44	11.185439	0.016720 0.115057
## 18597	25	34.315945	0.010660 0.104750

## 18598	29	23.319746	0.012488 0.128341
## 18605	46	13.952169	0.013781 0.192731
## 18609	25	39.634781	0.010592 0.117750
## 18618	1853	8.266123	0.013820 0.134587
## 18621	395	9.216491	0.016369 0.149154
## 18623	612	8.053696	0.015420 0.174372
## 18626	1675	8.131282	0.015826 0.148798
## 18628	926	7.495097	0.014262 0.128817
## 18636	598	8.832972	0.015947 0.134129
## 18637	49	19.769171	0.016222 0.147895
## 18648	46	3.910140	0.012492 0.087840
## 18649	32	10.331801	0.006412 0.054785
## 18659	65	21.796932	0.011059 0.082019
## 18660	140	13.488446	0.010056 0.085469
## 18666	45	27.374287	0.017617 0.078333
## 18667	73	26.651461	0.018078 0.096875
## 18679	31	26.139681	0.015027 0.087399
## 18689	60	17.339518	0.016838 0.136042
## 18692	51	7.550831	0.014869 0.122917
## 18694	60	6.409390	0.011750 0.093281
## 18696	55	7.108679	0.015626 0.081136
## 18699	66	10.895775	0.017095 0.098580
## 18700	59	19.170660	0.017603 0.098676
## 18702	28	5.163693	0.015044 0.091964
## 18718	27	20.126925	0.017146 0.108912
## 18724	36	18.381910	0.016027 0.104514
## 18729	36	11.101014	0.015917 0.140885
## 18737	32	6.450507	0.015464 0.115625
## 18744	25	44.279129	0.015526 0.123875
## 18752	561	8.089878	0.018836 0.134236
## 18759	87	6.701962	0.014704 0.117313
## 18761	25	17.068624	0.008579 0.122250
## 18763	114	17.123465	0.018192 0.129660
## 18768	25	46.833004	0.020781 0.131750
## 18772	25	42.590626	0.017360 0.147625
## 18773	26	6.184665	0.010510 0.145793
## 18777	25	37.440048	0.015739 0.137500
## 18779	25	25.565517	0.010216 0.138750
## 18784	25	23.091148	0.013324 0.158500
## 18785	25	30.238840	0.020490 0.134000
## 18787	25	19.263823	0.017533 0.102500
## 18789	27	18.003807	0.020899 0.091898
## 18790	25	15.187012	0.016735 0.141625
## 18794	196	18.176651	0.025755 0.150941
## 18795	56	22.730619	0.022916 0.165067
## 18799	153	10.740771	0.022633 0.153268
## 18804	25	10.664999	0.002689 0.133000
## 18805	2329	8.082695	0.017122 0.130328
## 18807	350	10.037920	0.018637 0.158554
## 18809	306	5.851680	0.017718 0.129279
## 18813	25	40.398270	0.019024 0.095750
## 18825	895	8.173350	0.015130 0.104351
## 18833	1191	7.530348	0.017080 0.133323
## 18835	25	12.102708	0.017073 0.134000

## 18836	265	9.822734	0.021054 0.148090
## 18839	150	9.012925	0.014541 0.160146
## 18848	338	10.147543	0.012074 0.116281
## 18849	582	7.633979	0.011785 0.121027
## 18850	58	14.183495	0.008227 0.130550
## 18875	140	13.101975	0.015698 0.092746
## 18881	45	25.012894	0.006477 0.097708
## 18883	39	19.296789	0.016523 0.071234
## 18898	65	28.280140	0.016366 0.085240
## 18913	38	2.993247	0.015610 0.097286
## 18919	57	9.596974	0.013024 0.105811
## 18922	62	4.953893	0.015266 0.122429
## 18926	47	13.103376	0.013146 0.125532
## 18929	67	13.229577	0.017202 0.137826
## 18936	67	16.666376	0.014836 0.132090
## 18945	36	10.912519	0.016084 0.107465
## 18948	34	23.313950	0.017493 0.096140
## 18955	33	4.461564	0.015748 0.132481
## 18962	60	9.118806	0.016201 0.134323
## 18964	65	12.108479	0.016463 0.134856
## 18965	59	37.409828	0.013639 0.259163
## 18969	140	10.046167	0.020446 0.123125
## 18970	170	9.309463	0.016789 0.108346
## 18974	241	5.633882	0.017664 0.111424
## 18978	79	4.658318	0.015083 0.106883
## 18981	40	15.305330	0.017911 0.103437
## 18987	33	13.544503	0.014221 0.103504
## 18992	47	21.609901	0.015109 0.101928
## 18994	27	10.273692	0.022155 0.106366
## 18998	94	18.494326	0.017065 0.089362
## 18999	25	62.024548	0.015437 0.096250
## 19000	71	5.399325	0.018103 0.081558
## 19003	45	25.322319	0.019720 0.084375
## 19010	25	41.181076	0.018467 0.067000
## 19016	61	6.499221	0.017372 0.089293
## 19023	82	33.568893	0.019348 0.087195
## 19036	50	11.949252	0.018620 0.093813
## 19046	41	15.811796	0.019026 0.109146
## 19047	48	7.192244	0.017349 0.122005
## 19054	29	14.171490	0.019332 0.122522
## 19070	34	23.239143	0.017790 0.103125
## 19076	31	10.662435	0.016680 0.125605
## 19080	26	7.672556	0.015962 0.117308
## 19086	59	36.716801	0.020097 0.110275
## 19092	181	6.898771	0.015039 0.132821
## 19093	28	41.775116	0.014075 0.093973
## 19099	25	22.915667	0.019768 0.106125
## 19103	140	12.701723	0.024463 0.142500
## 19104	94	18.547817	0.019826 0.133710
## 19108	123	6.230989	0.019135 0.081479
## 19113	27	13.472143	0.007585 0.083796
## 19122	31	26.073164	0.018411 0.079435
## 19124	58	19.965328	0.017743 0.088901
## 19132	60	17.199518	0.018212 0.136146

## 19134	34	3.780853	0.017507 0.138051
## 19135	51	7.643146	0.016228 0.134926
## 19138	46	2.554123	0.015772 0.103193
## 19153	47	13.099661	0.017010 0.130785
## 19154	29	1.482526	0.016204 0.121228
## 19160	27	23.117220	0.015433 0.116204
## 19162	94	3.767576	0.019597 0.140891
## 19163	67	16.404966	0.016947 0.165532
## 19165	25	9.822348	0.010461 0.152875
## 19167	36	18.156191	0.011730 0.147656
## 19174	44	13.958808	0.018876 0.135014
## 19187	25	43.973541	0.019761 0.113500
## 19194	25	30.522682	0.017321 0.111125
## 19199	114	9.829904	0.016617 0.120230
## 19209	55	7.203967	0.016224 0.096648
## 19218	25	26.490602	0.014354 0.110875
## 19220	49	9.019502	0.018867 0.108291
## 19222	48	7.175312	0.015953 0.117969
## 19229	29	14.631016	0.017687 0.102694
## 19231	27	18.632084	0.011801 0.129282
## 19232	94	4.652158	0.017706 0.137666
## 19243	57	12.240646	0.012866 0.116283
## 19245	48	11.291020	0.013014 0.116471
## 19251	218	7.717666	0.014359 0.147850
## 19252	218	24.809605	0.013016 0.152982
## 19257	118	9.924262	0.015554 0.159269
## 19262	112	8.449457	0.018607 0.175781
## 19264	144	9.287495	0.019748 0.088411
## 19268	243	7.171967	0.013732 0.101247
## 19272	96	15.192635	0.013865 0.183040
## 19288	140	10.184811	0.005613 0.128683
## 19291	275	9.758224	0.011821 0.115307
## 19292	439	7.071686	0.013437 0.128474
## 19301	25	27.309731	0.021340 0.138375
## 19306	132	7.538170	0.018224 0.075024
## 19310	106	26.001408	0.011197 0.166804
## 19313	146	22.953667	0.016125 0.125214
## 19314	147	14.658421	0.008942 0.088095
## 19316	322	11.373592	0.014700 0.126213
## 19317	25	39.949928	0.023383 0.094875
## 19318	26	21.726622	0.012262 0.063221
## 19322	25	36.238541	0.009421 0.070500
## 19335	57	29.554203	0.014383 0.134211
## 19337	55	25.134071	0.013425 0.111250
## 19351	110	18.523855	0.019687 0.098807
## 19352	38	22.026955	0.017421 0.097286
## 19353	55	19.105675	0.018190 0.110057
## 19359	48	9.545070	0.009902 0.155924
## 19370	195	9.427840	0.004457 0.089039
## 19371	96	14.830220	0.005567 0.090723
## 19385	25	11.186915	0.004706 0.073875
## 19388	25	46.954330	0.003996 0.064125
## 19389	45	3.458743	0.019596 0.056875
## 19398	25	64.025238	0.016894 0.212250

## 19412	26	16.873735	0.023098	0.076803
## 19413	25	37.962154	0.017969	0.078125
## 19422	67	31.882507	0.019024	0.088899
## 19425	60	16.438534	0.018507	0.108594
## 19426	31	13.806563	0.018311	0.096875
## 19430	60	6.538325	0.019212	0.138021
## 19431	46	2.682396	0.020241	0.126970
## 19433	38	2.938693	0.018420	0.136595
## 19447	29	1.538504	0.018805	0.105388
## 19448	73	4.839836	0.020683	0.111387
## 19452	29	14.730407	0.018845	0.128125
## 19456	67	16.293530	0.019488	0.144589
## 19464	41	16.291403	0.017454	0.153125
## 19471	35	7.425295	0.021535	0.092946
## 19476	49	19.254702	0.021455	0.147895
## 19492	89	14.881051	0.020079	0.127774
## 19493	35	22.532709	0.018779	0.114911
## 19501	188	15.049814	0.017796	0.108793
## 19503	55	19.492239	0.012506	0.141591
## 19515	25	36.088619	0.010457	0.084625
## 19522	43	16.981853	0.017551	0.166352
## 19523	105	16.046810	0.016057	0.081518
## 19529	155	5.564650	0.015412	0.088246
## 19545	25	14.638374	0.017255	0.122625
## 19546	27	16.538963	0.017584	0.093056
## 19549	28	25.768597	0.017993	0.102344
## 19550	25	30.484791	0.014457	0.112000
## 19554	28	30.745998	0.017512	0.120647
## 19555	72	9.953306	0.019331	0.150651
## 19568	67	4.604957	0.015481	0.160634
## 19575	50	11.052213	0.016074	0.168063
## 19586	95	26.014620	0.018970	0.077796
## 19597	25	29.023426	0.018819	0.066125
## 19601	25	27.652912	0.015213	0.089375
## 19605	25	34.250587	0.017939	0.123500
## 19609	25	44.579185	0.015944	0.081625
## 19613	50	28.280127	0.018352	0.088188
## 19614	25	24.803965	0.012031	0.087000
## 19619	25	31.144508	0.016546	0.104375
## 19631	25	26.748547	0.009268	0.104625
## 19635	25	27.799768	0.014258	0.092625
## 19640	25	27.187674	0.012495	0.109375
## 19642	27	29.729675	0.018942	0.159954
## 19662	173	8.589260	0.016746	0.129787
## 19675	35	8.265756	0.019480	0.051696
## 19679	43	24.777256	0.018598	0.069186
## 19680	40	27.943195	0.013198	0.056484
## 19683	233	4.423410	0.022388	0.081813
## 19684	248	4.512282	0.019383	0.105910
## 19686	699	5.341001	0.018092	0.115294
## 19687	25	39.420364	0.010449	0.100000
## 19691	47	11.148815	0.019728	0.081848
## 19699	300	5.986397	0.016715	0.132031
## 19700	25	51.401245	0.017482	0.101625

## 19702	180	18.559978	0.016535 0.129167
## 19704	157	8.655350	0.014631 0.159136
## 19715	39	23.609642	0.018649 0.088862
## 19726	25	6.441776	0.015750 0.080000
## 19738	25	32.358624	0.006837 0.285875
## 19745	39	25.351767	0.013647 0.112740
## 19758	99	13.219453	0.018323 0.083460
## 19759	123	6.708893	0.018498 0.080285
## 19770	26	16.612240	0.014509 0.075361
## 19773	31	26.121244	0.015795 0.079234
## 19774	30	18.550413	0.014539 0.085521
## 19777	25	54.221046	0.014554 0.103000
## 19782	85	23.778507	0.017073 0.134816
## 19784	31	14.401576	0.014661 0.116532
## 19785	34	2.939058	0.013631 0.125460
## 19790	55	7.122346	0.016894 0.084943
## 19803	48	7.149158	0.015631 0.124544
## 19805	29	1.541867	0.014945 0.142888
## 19807	67	13.318390	0.013455 0.143190
## 19813	94	4.246198	0.016531 0.154488
## 19817	25	16.174715	0.014025 0.104125
## 19818	36	18.362413	0.013285 0.129167
## 19821	32	18.899246	0.016107 0.093945
## 19834	49	19.101486	0.015984 0.131122
## 19842	162	5.249388	0.018054 0.139043
## 19846	25	6.425648	0.012362 0.077625
## 19851	87	9.396873	0.015373 0.122306
## 19856	53	10.232394	0.017068 0.129186
## 19858	240	30.775858	0.020007 0.111888
## 19862	142	23.630527	0.022385 0.161532
## 19866	64	19.569874	0.016228 0.157764
## 19869	56	11.541023	0.014049 0.114397
## 19874	234	16.870155	0.013529 0.187634
## 19875	186	31.458071	0.011651 0.192423
## 19878	63	24.626287	0.016504 0.106944
## 19880	79	22.702883	0.013766 0.095135
## 19883	66	23.104628	0.009562 0.086364
## 19890	45	27.394102	0.015872 0.068750
## 19893	32	42.894035	0.017522 0.081250
## 19903	31	25.073111	0.015330 0.068750
## 19906	65	31.062645	0.015946 0.090144
## 19911	25	57.926708	0.014783 0.066250
## 19912	85	22.346586	0.017423 0.114779
## 19913	60	18.890099	0.018302 0.132604
## 19920	55	7.175842	0.011820 0.091364
## 19927	57	9.760602	0.016911 0.102906
## 19931	49	9.151936	0.014884 0.111033
## 19932	41	16.105953	0.013941 0.106936
## 19935	29	3.396843	0.014745 0.111099
## 19940	29	15.042848	0.014005 0.114978
## 19945	62	13.561303	0.016606 0.151663
## 19953	36	11.397869	0.009560 0.123611
## 19957	47	18.393568	0.017515 0.153324
## 19958	101	18.351000	0.018585 0.139852

## 19979	114	4.875085	0.018595 0.135828
## 19982	103	4.784755	0.018300 0.118902
## 19985	114	3.104877	0.017152 0.110718
## 19987	192	6.580260	0.018912 0.110449
## 19988	90	6.892437	0.015568 0.106840
## 19996	138	4.359138	0.016566 0.114063
## 19997	159	10.256269	0.020552 0.099450
## 20005	25	30.009117	0.026111 0.028000
## 20006	144	16.442242	0.022913 0.081489
## 20009	84	24.582209	0.016294 0.097545
## 20011	71	10.279933	0.019202 0.098900
## 20012	151	13.155251	0.019238 0.083713
## 20015	317	8.464792	0.019237 0.098590
## 20023	57	10.725302	0.013501 0.079715
## 20028	39	22.777653	0.021742 0.135096
## 20029	61	8.889916	0.019071 0.118801
## 20034	50	15.440509	0.021688 0.107437
## 20052	78	3.665780	0.029887 0.099559
## 20059	123	6.257174	0.016603 0.089329
## 20060	45	27.312874	0.017788 0.097569
## 20062	39	19.688049	0.018338 0.071074
## 20065	25	49.841385	0.022373 0.073500
## 20075	58	19.517107	0.019481 0.069289
## 20081	25	58.046764	0.013735 0.078875
## 20084	31	14.521503	0.016928 0.073286
## 20085	34	2.898358	0.018267 0.086949
## 20086	51	8.874506	0.017455 0.133824
## 20089	46	2.585466	0.016810 0.130435
## 20091	38	2.878185	0.015567 0.110773
## 20092	50	11.933948	0.018058 0.115687
## 20094	59	19.225637	0.011760 0.092214
## 20100	62	6.798614	0.017319 0.112349
## 20102	41	15.931829	0.017209 0.110213
## 20103	48	7.279720	0.018490 0.112370
## 20117	25	16.298897	0.017672 0.105250
## 20118	36	18.368713	0.016395 0.144184
## 20127	47	18.555830	0.012087 0.135771
## 20132	33	4.504388	0.017416 0.105966
## 20137	25	43.620560	0.014098 0.116125
## 20146	25	14.220088	0.015289 0.094875
## 20147	58	8.137043	0.018379 0.127478
## 20149	114	9.423116	0.020402 0.113871
## 20151	103	4.639883	0.018775 0.087166
## 20164	25	37.517632	0.000626 0.090250
## 20165	47	21.959473	0.020947 0.186370
## 20167	54	8.922339	0.016291 0.213137
## 20168	371	10.507149	0.012164 0.131486
## 20182	67	9.521909	0.016240 0.140485
## 20188	103	8.021132	0.012090 0.133707
## 20190	93	4.393945	0.017606 0.138172
## 20191	82	20.770866	0.014961 0.158422
## 20196	25	33.041691	0.013151 0.132000
## 20199	154	13.708718	0.017626 0.121145
## 20218	357	9.543239	0.009983 0.091894

## 20224	33	3.476413	0.011069	0.147254
## 20225	33	6.162927	0.008728	0.136837
## 20228	229	11.266201	0.005378	0.149863
## 20244	25	13.651555	0.008037	0.076625
## 20245	25	10.809977	0.011203	0.088625
## 20246	32	23.678213	0.009355	0.101465
## 20254	26	21.337454	0.013816	0.102524
## 20272	25	20.573565	0.020843	0.076000
## 20273	100	16.073975	0.019048	0.123906
## 20274	28	29.319504	0.020651	0.098661
## 20279	25	35.559555	0.018888	0.126125
## 20283	187	8.753127	0.018440	0.115358
## 20286	111	7.185027	0.018953	0.119144
## 20301	32	11.571942	0.015856	0.116797
## 20309	1810	8.256949	0.017034	0.154995
## 20312	958	7.288496	0.014069	0.140475
## 20317	46	25.907259	0.014552	0.126766
## 20329	442	8.704419	0.011652	0.146048
## 20330	347	8.608490	0.012997	0.154233
## 20339	25	41.932354	0.002739	0.093250
## 20340	25	14.563616	0.017256	0.155125
## 20345	168	9.825609	0.017588	0.148921
## 20358	45	13.924478	0.014107	0.139444
## 20360	29	14.001575	0.017480	0.113039
## 20373	1855	9.334275	0.016880	0.146673
## 20375	1404	8.675242	0.017161	0.153946
## 20376	504	4.466088	0.012215	0.154446
## 20379	432	6.971683	0.017198	0.158283
## 20380	220	8.081642	0.018046	0.177770
## 20382	440	7.836242	0.013345	0.144411
## 20385	684	7.126663	0.015271	0.138185
## 20387	25	19.189137	0.014384	0.085000
## 20391	48	26.499617	0.014610	0.147331
## 20399	42	5.664056	0.023024	0.135938
## 20400	57	2.797485	0.021856	0.110307
## 20414	25	11.188424	0.014698	0.113500
## 20419	246	18.836687	0.011569	0.146824
## 20427	25	17.722349	0.009777	0.112375
## 20436	104	8.555365	0.018166	0.101052
## 20442	105	16.074821	0.012320	0.088184
## 20444	68	21.071375	0.011938	0.086259
## 20448	155	7.829534	0.012333	0.148730
## 20458	114	9.816853	0.025475	0.106743
## 20466	1592	11.522064	0.015241	0.136352
## 20469	369	6.016720	0.019996	0.149907
## 20470	375	8.728217	0.008392	0.107542
## 20478	999	6.427491	0.017326	0.171587
## 20481	654	11.508172	0.017157	0.155246
## 20491	25	9.909137	0.013429	0.114375
## 20493	389	13.127872	0.015108	0.136030
## 20495	266	8.627271	0.016425	0.124095
## 20500	294	13.835994	0.017850	0.150096
## 20503	135	10.590545	0.015855	0.105602
## 20513	530	14.021593	0.017012	0.213721

## 20516	69	20.456688	0.012237 0.144067
## 20518	103	11.106060	0.015809 0.157191
## 20528	582	7.890845	0.017163 0.138923
## 20539	172	12.443927	0.019102 0.165407
## 20540	156	12.798775	0.017320 0.171234
## 20541	873	7.884387	0.017243 0.133806
## 20542	334	8.336190	0.016264 0.123026
## 20547	582	7.987938	0.016109 0.130681
## 20548	31	16.133286	0.017738 0.155141
## 20558	46	4.059490	0.015486 0.080299
## 20563	124	2.503921	0.014950 0.062450
## 20569	65	21.787987	0.012254 0.078942
## 20578	38	19.648296	0.009301 0.081086
## 20588	61	6.715166	0.019774 0.083555
## 20590	30	18.413242	0.019012 0.076979
## 20591	58	20.283794	0.017772 0.085560
## 20592	65	30.919476	0.019187 0.104567
## 20606	55	7.025344	0.021231 0.082443
## 20613	57	9.748776	0.019653 0.114912
## 20617	49	9.178567	0.022659 0.108865
## 20618	41	16.153122	0.017356 0.140549
## 20622	73	4.983316	0.018820 0.146961
## 20623	67	13.568909	0.016157 0.127798
## 20637	32	19.045300	0.020930 0.092871
## 20641	44	13.368909	0.021208 0.152557
## 20646	31	6.612626	0.017117 0.123286
## 20647	32	6.455746	0.017786 0.117285
## 20660	42	28.932449	0.018566 0.106771
## 20667	113	26.634941	0.010761 0.159928
## 20668	56	20.538113	0.003033 0.092522
## 20671	25	39.049118	0.014486 0.125250
## 20681	290	7.921050	0.022621 0.160162
## 20684	26	5.285173	0.011047 0.151683
## 20694	25	29.433090	0.013672 0.167000
## 20701	33	27.707470	0.018154 0.136458
## 20709	61	15.432794	0.019723 0.141240
## 20713	131	22.693621	0.012646 0.116031
## 20717	85	23.063282	0.017087 0.091544
## 20718	196	14.250343	0.016109 0.099601
## 20730	25	39.912628	0.009180 0.125625
## 20736	651	6.088699	0.017090 0.121817
## 20739	25	14.135902	0.013437 0.102000
## 20755	25	14.347876	0.010294 0.107625
## 20764	570	8.361869	0.018857 0.137072
## 20766	25	14.298847	0.015287 0.127000
## 20767	959	10.908242	0.016882 0.141573
## 20769	148	11.056714	0.014427 0.158720
## 20770	164	9.271874	0.016835 0.131307
## 20771	86	14.826928	0.012958 0.124164
## 20775	34	14.277680	0.013350 0.163051
## 20785	316	11.981195	0.014944 0.136551
## 20786	861	7.344961	0.014849 0.128633
## 20790	26	13.957595	0.020109 0.118149
## 20793	29	12.409806	0.012820 0.106034

## 20795	86	15.542049	0.011727	0.103416
## 20796	59	36.041924	0.024686	0.099841
## 20798	75	20.895857	0.018633	0.141958
## 20802	94	18.435930	0.020446	0.082015
## 20803	25	61.913727	0.016957	0.070125
## 20804	71	4.701842	0.019931	0.077377
## 20808	73	26.482628	0.014073	0.084717
## 20823	65	30.890589	0.019966	0.086923
## 20837	55	7.124209	0.018781	0.092273
## 20845	104	10.047933	0.020079	0.136028
## 20846	25	26.039392	0.016492	0.105500
## 20847	62	6.578839	0.019259	0.126008
## 20856	28	12.786952	0.015105	0.169978
## 20859	27	19.538784	0.014772	0.112384
## 20863	25	10.890312	0.017307	0.096250
## 20865	36	18.381283	0.016530	0.135156
## 20866	25	25.892433	0.016215	0.142000
## 20867	58	13.331399	0.019893	0.148599
## 20873	34	22.355053	0.020255	0.107904
## 20875	101	17.712135	0.018974	0.131033
## 20880	33	4.698740	0.018454	0.130777
## 20898	74	13.184510	0.014367	0.120017
## 20901	66	18.306347	0.015547	0.116809
## 20906	25	25.836187	0.011925	0.095750
## 20924	71	4.422006	0.018742	0.080590
## 20925	99	13.305861	0.019548	0.079893
## 20928	73	26.771980	0.010651	0.098673
## 20930	32	43.039963	0.006710	0.081250
## 20943	65	31.421902	0.021090	0.106250
## 20946	82	34.782978	0.021674	0.093826
## 20950	60	17.326473	0.017366	0.137604
## 20953	51	7.957649	0.017807	0.102451
## 20956	46	2.541537	0.019325	0.080027
## 20961	55	18.028048	0.019107	0.110170
## 20964	57	9.314160	0.021701	0.113706
## 20968	49	9.341450	0.018209	0.138202
## 20975	25	23.702637	0.012057	0.131125
## 20991	38	25.004099	0.021375	0.149918
## 20994	47	18.343321	0.020392	0.114029
## 20998	32	6.411609	0.018177	0.117871
## 20999	31	11.559778	0.016349	0.121976
## 21011	55	27.093637	0.016953	0.245000
## 21021	102	3.567303	0.014902	0.122089
## 21022	65	23.547697	0.012805	0.111635
## 21028	123	6.223020	0.021384	0.078176
## 21033	27	13.992430	0.009338	0.076852
## 21040	25	37.668983	0.019254	0.070125
## 21041	61	6.883324	0.020718	0.074283
## 21048	82	34.846355	0.020841	0.104916
## 21055	51	7.903660	0.016757	0.129412
## 21056	31	2.256015	0.015255	0.122984
## 21059	55	7.080532	0.016098	0.099261
## 21062	66	10.867939	0.022336	0.102320
## 21070	49	9.218925	0.016920	0.115497

## 21085	25	10.888062	0.011051 0.158875
## 21093	38	24.586096	0.018451 0.139885
## 21104	26	14.014158	0.015312 0.124279
## 21108	38	38.854164	0.018600 0.132648
## 21110	25	37.397076	0.016622 0.118625
## 21111	26	14.084423	0.018878 0.123678
## 21117	26	25.901598	0.018064 0.094712
## 21119	27	16.718405	0.017048 0.078125
## 21121	60	17.281935	0.021106 0.113385
## 21125	31	2.750197	0.017141 0.116532
## 21127	46	2.614609	0.018657 0.110530
## 21133	28	14.819129	0.018073 0.089844
## 21138	62	6.797306	0.021044 0.112550
## 21143	29	1.771317	0.016903 0.154310
## 21162	63	7.645375	0.011741 0.127133
## 21163	48	12.831821	0.012302 0.112044
## 21169	218	6.290867	0.015897 0.147362
## 21170	199	23.250986	0.013293 0.156062
## 21181	113	8.483381	0.018825 0.168584
## 21187	246	11.093128	0.016705 0.104116
## 21188	79	7.299836	0.018605 0.107397
## 21195	202	9.627866	0.015395 0.139589
## 21197	33	16.397562	0.019556 0.088920
## 21198	55	4.949880	0.013578 0.104489
## 21201	279	7.219196	0.013033 0.111010
## 21208	48	16.694761	0.006695 0.098372
## 21213	439	7.724158	0.013838 0.128737
## 21215	127	6.974706	0.015185 0.126033
## 21217	31	26.601440	0.014050 0.075706
## 21221	125	14.864730	0.020897 0.172100
## 21224	307	11.995647	0.017135 0.072761
## 21232	52	26.116930	0.011319 0.130889
## 21236	91	14.675421	0.008371 0.135234
## 21240	25	22.899220	0.016424 0.082250
## 21246	50	15.828513	0.014741 0.085687
## 21249	25	22.591415	0.016473 0.086875
## 21266	89	23.456944	0.017490 0.183041
## 21267	60	16.686211	0.013347 0.175625
## 21269	42	22.511478	0.015151 0.158557
## 21271	530	14.548346	0.016635 0.127701
## 21274	56	19.370161	0.019655 0.102400
## 21275	87	21.580769	0.018047 0.114404
## 21280	38	8.080201	0.008893 0.150987
## 21285	387	6.318526	0.006217 0.092329
## 21287	252	7.587614	0.007919 0.094296
## 21288	25	12.457280	0.001375 0.101875
## 21299	113	12.870293	0.005547 0.081720
## 21301	66	15.718880	0.006887 0.127557
## 21303	37	13.448950	0.004762 0.128378
## 21304	25	52.614105	0.005638 0.108500
## 21322	71	4.548279	0.019481 0.194894
## 21329	27	14.326202	0.016581 0.067593
## 21331	33	20.094799	0.014740 0.068087
## 21333	37	12.845310	0.018388 0.092061

## 21341	65	30.999687	0.020397 0.077019
## 21345	67	35.903522	0.018577 0.088433
## 21346	25	58.098457	0.017751 0.064500
## 21355	55	7.167019	0.018676 0.133636
## 21360	28	15.528404	0.009736 0.065179
## 21364	25	25.914089	0.020009 0.099750
## 21389	38	24.672155	0.012532 0.160197
## 21390	44	13.862722	0.012953 0.160653
## 21391	34	23.308292	0.012502 0.158180
## 21392	47	18.303278	0.018861 0.117553
## 21393	101	18.318607	0.016129 0.132519
## 21398	33	4.504722	0.021578 0.149242
## 21401	26	8.613115	0.021174 0.083654
## 21404	27	46.165234	0.020891 0.109954
## 21405	60	10.476487	0.019385 0.121198
## 21411	27	20.117790	0.018452 0.108681
## 21413	25	28.137463	0.018560 0.104625
## 21420	25	32.588612	0.023737 0.092000
## 21421	38	2.752617	0.025489 0.077385
## 21424	170	13.472593	0.017581 0.108658
## 21430	57	13.165127	0.021225 0.169792
## 21434	40	12.869820	0.015403 0.161328
## 21440	25	31.617220	0.017554 0.147625
## 21448	88	14.163308	0.016927 0.098509
## 21455	62	17.264029	0.016873 0.134929
## 21456	64	18.610739	0.017776 0.156738
## 21457	145	20.498428	0.012549 0.152780
## 21458	143	13.857971	0.019557 0.208763
## 21461	25	32.657764	0.013526 0.102625
## 21475	25	31.572260	0.014364 0.095125
## 21488	25	22.304228	0.022579 0.128000
## 21500	32	28.062183	0.014590 0.140039
## 21510	62	11.797236	0.011377 0.116482
## 21519	29	21.260897	0.005506 0.081789
## 21525	201	22.906309	0.013535 0.111940
## 21531	38	14.703433	0.010490 0.126234
## 21546	177	26.374475	0.012869 0.123888
## 21549	41	22.381199	0.009145 0.116082
## 21550	157	22.269981	0.011859 0.115366
## 21551	75	24.921547	0.012769 0.121750
## 21557	52	32.823807	0.013398 0.142728
## 21564	39	18.130802	0.015846 0.143670
## 21570	25	42.501549	0.006969 0.066000
## 21576	35	37.952778	0.019277 0.101071
## 21579	139	12.993897	0.016795 0.083363
## 21585	45	27.473503	0.017290 0.076597
## 21587	38	19.859249	0.019179 0.093421
## 21593	37	14.067304	0.017562 0.103547
## 21599	30	18.321873	0.015872 0.064063
## 21600	58	20.307962	0.019451 0.084590
## 21604	82	34.708149	0.007385 0.097066
## 21613	60	6.653673	0.016001 0.084635
## 21618	66	10.834584	0.019380 0.138258
## 21621	28	5.475850	0.017159 0.119420

## 21628	48	7.321329	0.018138	0.090365
## 21635	29	15.070754	0.021028	0.098276
## 21636	27	23.974485	0.017189	0.103125
## 21638	94	3.888399	0.018049	0.110173
## 21639	67	16.504496	0.019435	0.130504
## 21641	25	10.995217	0.018312	0.105125
## 21644	25	25.951694	0.019464	0.160125
## 21655	32	6.510245	0.011469	0.162109
## 21660	26	14.233283	0.009001	0.114904
## 21666	25	36.137268	0.018749	0.132250
## 21670	118	9.166375	0.022296	0.116314
## 21672	107	4.141925	0.019518	0.132155
## 21674	56	2.887055	0.020807	0.129855
## 21689	25	17.113600	0.019162	0.092125
## 21690	92	5.440102	0.020651	0.118173
## 21692	25	30.143780	0.018585	0.098375
## 21693	61	18.435720	0.019342	0.104508
## 21694	160	10.353372	0.021886	0.105156
## 21695	36	16.778097	0.019499	0.090625
## 21696	204	9.586309	0.020348	0.113971
## 21702	256	12.549905	0.021075	0.104639
## 21705	64	12.314040	0.011174	0.131006
## 21709	225	14.852045	0.014530	0.147653
## 21710	115	16.207157	0.014549	0.135136
## 21711	137	11.085986	0.016451	0.160401
## 21714	380	8.509722	0.017321	0.097780
## 21719	38	7.643213	0.014835	0.088240
## 21723	201	5.374483	0.014162	0.098461
## 21732	179	10.575859	0.011300	0.100733
## 21738	57	3.371199	0.016303	0.095504
## 21755	398	4.905096	0.013577	0.102733
## 21762	908	8.760259	0.014758	0.115123
## 21765	65	9.702562	0.016430	0.102837
## 21766	55	4.538349	0.011952	0.111080
## 21768	175	4.789273	0.014686	0.112304
## 21782	60	7.092621	0.007698	0.173281
## 21783	30	4.073804	0.013436	0.147604
## 21788	148	11.200307	0.014311	0.146220
## 21790	157	6.854427	0.016906	0.103264
## 21802	1270	5.293589	0.016083	0.131430
## 21806	509	5.490498	0.016398	0.110081
## 21814	31	55.201805	0.011704	0.094254
## 21817	58	1.274620	0.014706	0.118966
## 21818	77	3.290918	0.017234	0.086404
## 21820	54	12.982701	0.017832	0.092014
## 21825	124	2.096047	0.018654	0.080393
## 21826	40	15.341896	0.021852	0.082734
## 21841	68	14.312823	0.017519	0.134697
## 21850	35	13.709404	0.025128	0.067500
## 21857	25	11.934482	0.013357	0.087625
## 21858	39	11.318996	0.023506	0.087019
## 21868	26	10.503041	0.022482	0.071995
## 21871	146	6.860643	0.024478	0.108626
## 21881	110	27.343037	0.021546	0.103409

## 21884	178	20.833366	0.020444 0.111675
## 21885	90	20.257246	0.018239 0.074792
## 21889	64	16.861158	0.022505 0.107227
## 21895	319	13.005535	0.019496 0.089479
## 21900	168	17.623459	0.018763 0.082775
## 21904	56	13.193619	0.012838 0.138504
## 21911	714	5.775114	0.017489 0.113984
## 21919	969	6.485365	0.015130 0.131850
## 21920	26	33.793533	0.014419 0.147356
## 21928	116	16.448898	0.021012 0.122764
## 21952	84	15.766405	0.011623 0.102455
## 21967	26	21.558201	0.021332 0.120433
## 21969	25	28.127241	0.015670 0.082125
## 21978	310	7.251810	0.022069 0.147430
## 21980	315	6.259475	0.024248 0.114732
## 21981	149	5.280559	0.023485 0.094002
## 21985	25	11.989030	0.005327 0.074250
## 21990	40	16.622166	0.028132 0.074375
## 21991	26	14.669259	0.025496 0.086779
## 21993	90	3.084401	0.027313 0.083333
## 21997	25	10.147308	0.021312 0.108500
## 21998	83	2.919123	0.025375 0.117244
## 22007	99	12.564204	0.024847 0.111364
## 22011	29	9.632269	0.017031 0.099569
## 22012	25	29.130136	0.020680 0.109250
## 22013	58	5.571058	0.022865 0.105603
## 22014	30	53.736164	0.019546 0.093854
## 22016	52	16.671827	0.025166 0.113341
## 22019	53	7.784837	0.016037 0.110554
## 22027	38	14.414286	0.019137 0.098026
## 22036	176	7.744566	0.016072 0.099805
## 22042	40	15.787947	0.015015 0.103125
## 22049	42	20.547281	0.005567 0.115848
## 22056	49	20.364992	0.020347 0.093814
## 22060	25	17.173424	0.020197 0.093375
## 22067	31	16.751295	0.023166 0.101815
## 22079	43	19.818628	0.026988 0.111410
## 22081	143	8.121869	0.024743 0.129698
## 22085	98	9.199999	0.025721 0.102455
## 22099	25	26.482216	0.019829 0.094250
## 22106	125	9.910511	0.013825 0.123325
## 22107	623	4.548141	0.019536 0.124900
## 22111	48	5.013271	0.018756 0.114128
## 22120	38	13.672405	0.014175 0.071711
## 22122	140	9.665645	0.017409 0.089554
## 22124	169	5.802590	0.011746 0.087019
## 22131	42	16.989824	0.006859 0.103051
## 22141	65	12.491416	0.019537 0.140000
## 22142	62	5.829629	0.014753 0.156905
## 22146	82	6.526071	0.017371 0.123552
## 22153	108	3.776064	0.018554 0.131453
## 22155	95	9.519985	0.013421 0.119704
## 22162	38	4.872165	0.015865 0.077878
## 22164	47	12.140123	0.014383 0.082713

## 22169	36	21.787392	0.012810	0.083681
## 22172	100	8.016938	0.012757	0.086500
## 22183	84	13.757987	0.018896	0.071838
## 22185	1818	10.149959	0.015328	0.169527
## 22200	456	5.375910	0.013429	0.190077
## 22202	326	15.867127	0.014398	0.177895
## 22206	211	7.380647	0.014864	0.133679
## 22214	125	12.349989	0.015927	0.170725
## 22216	598	11.457395	0.014467	0.186518
## 22217	1614	15.950420	0.013935	0.172346
## 22226	265	11.578694	0.015583	0.147701
## 22229	151	15.258749	0.016909	0.144164
## 22238	193	15.454940	0.021026	0.076652
## 22239	113	6.672657	0.022547	0.080144
## 22247	27	8.105025	0.016951	0.080440
## 22248	83	13.070568	0.018254	0.078690
## 22253	33	14.336642	0.013824	0.158996
## 22265	43	4.742209	0.006310	0.149419
## 22267	25	5.465472	0.007005	0.099000
## 22275	25	14.132861	0.014766	0.086500
## 22296	31	1.927091	0.012034	0.150806
## 22302	38	7.549426	0.015751	0.084046
## 22307	70	7.074105	0.022289	0.101830
## 22312	38	9.000155	0.020814	0.079359
## 22314	25	8.971190	0.022094	0.053875
## 22316	41	9.867434	0.022261	0.073704
## 22322	43	8.697959	0.012751	0.050291
## 22325	32	0.576108	0.024306	0.110449
## 22329	48	5.431466	0.011678	0.135612
## 22330	28	23.445560	0.019139	0.103237
## 22333	85	5.284026	0.025886	0.071471
## 22334	25	11.456687	0.024157	0.044375
## 22338	34	7.483265	0.019471	0.110754
## 22341	70	4.632282	0.024883	0.081964
## 22342	25	19.453150	0.018972	0.119000
## 22343	60	13.369657	0.024405	0.117604
## 22346	67	3.876733	0.024763	0.103358
## 22355	31	20.465805	0.015247	0.115827
## 22366	582	10.879650	0.015337	0.170506
## 22386	25	15.470721	0.012390	0.141125
## 22402	340	16.960760	0.015491	0.135781
## 22403	70	11.767293	0.014397	0.109107
## 22406	29	11.711788	0.012406	0.122737
## 22410	55	6.359361	0.027793	0.067898
## 22412	59	5.311976	0.028731	0.058739
## 22413	53	6.122088	0.028721	0.064623
## 22417	25	15.146958	0.025667	0.065500
## 22420	28	3.642328	0.020589	0.092857
## 22425	51	6.793381	0.026654	0.055515
## 22429	28	3.889039	0.021967	0.116964
## 22430	25	13.998025	0.020419	0.102500
## 22431	186	4.510616	0.027841	0.106552
## 22434	175	2.674564	0.016385	0.130321
## 22436	175	3.830283	0.010514	0.131732

##	22443	45	5.130812	0.015007	0.092153
##	22446	210	8.028835	0.012292	0.113065
##	22458	247	4.416156	0.015632	0.113107
##	22463	45	5.217165	0.015018	0.116250
##	22465	171	4.987897	0.014930	0.119901
##	22493	25	7.599860	0.019131	0.097875
##	22494	25	12.790132	0.015333	0.128250
##	22495	51	8.559727	0.027522	0.082353
##	22496	66	6.245506	0.022674	0.117519
##	22506	45	13.785371	0.018439	0.073194
##	22515	37	5.242418	0.025292	0.118328
##	22522	861	4.281740	0.013100	0.156370
##	22525	56	13.754018	0.010330	0.157533
##	22529	119	4.244519	0.014755	0.126891
##	22535	44	11.615604	0.027018	0.115057
##	22539	35	5.023057	0.017371	0.138393
##	22540	28	7.658880	0.007632	0.109152
##	spectral_centroid_mn spectral_roll_off_mn spectral_flux_mn				
##	4	3301.6860	6606.001	599.555176	
##	6	3324.5254	6565.001	637.621582	
##	9	3795.9250	7359.878	948.118774	
##	18	3549.0110	6901.352	621.844421	
##	19	3427.3630	6668.333	261.982086	
##	20	3823.7473	7425.496	2045.512695	
##	21	3829.2988	7473.482	673.399841	
##	24	3462.2361	6755.471	635.839172	
##	29	3745.2598	7395.731	472.030457	
##	31	3830.2139	7393.683	1023.941467	
##	38	3539.7869	6932.433	883.784973	
##	42	3906.1592	7618.857	750.005432	
##	43	3319.1724	6590.001	1544.744385	
##	44	3612.0571	6933.333	1120.193604	
##	46	3573.6545	6898.684	2145.706787	
##	47	3349.0339	6479.000	2020.669922	
##	48	3523.6233	6851.472	1495.556885	
##	52	3737.0928	7345.625	558.389282	
##	55	3795.1365	7466.578	1307.779541	
##	59	3382.4368	6528.704	747.391174	
##	61	3428.0688	7244.070	692.040527	
##	68	3766.5225	7557.965	590.079773	
##	71	3581.1082	7051.284	480.253418	
##	73	3527.8713	7013.515	1102.324341	
##	84	3860.7549	7637.007	910.874329	
##	100	3710.9785	7293.650	337.390717	
##	109	3382.9978	6761.607	1671.313599	
##	114	3362.1814	6784.378	1829.553467	
##	117	3504.6985	7080.488	330.915680	
##	121	3319.5305	6501.001	825.509277	
##	126	3819.2930	7477.476	1611.386475	
##	129	3605.7324	7012.209	1058.525879	
##	135	3336.1370	6539.000	1416.733643	
##	147	3747.9700	7276.494	918.541992	
##	166	3782.8044	7242.207	900.557983	
##	167	3648.4243	6970.652	833.260559	

## 169	3622.9395	7071.741	747.661682
## 172	3389.8691	6587.038	1359.034546
## 175	3570.4490	7093.293	1639.120972
## 178	3411.6438	6765.517	1739.419189
## 187	3289.9575	7446.991	306.591522
## 188	3357.7466	6510.999	1558.510254
## 194	3598.9465	7031.979	1355.308594
## 212	3359.0596	6441.001	1351.261597
## 213	3308.7844	6533.621	1192.328369
## 221	3721.4209	7175.412	1574.989258
## 226	3599.8870	7035.464	1423.347534
## 229	3803.1692	7391.934	1609.417725
## 230	3823.8987	7493.245	1596.013184
## 236	3932.6807	7487.507	930.251770
## 237	3502.3149	6941.911	2273.345459
## 240	3341.9194	6660.577	277.515656
## 242	3689.7961	7225.848	894.758789
## 248	3784.4844	7538.305	1109.244995
## 249	3549.5422	7143.480	744.728821
## 251	3602.7610	7040.342	1212.817505
## 255	3675.8948	7335.385	557.883240
## 262	3573.1082	7078.889	709.417603
## 263	3734.8765	7352.365	474.443665
## 267	3322.6487	6604.001	1612.071777
## 275	3459.5840	6825.001	730.861389
## 276	3426.0129	6833.335	735.629333
## 286	3470.9702	6743.549	1715.781494
## 297	3499.3674	6763.280	1641.087524
## 302	3754.2712	7150.002	1536.552368
## 309	3765.8591	7216.045	1119.994629
## 310	3369.5664	6415.000	1472.073608
## 312	3462.4834	6539.656	1008.928772
## 319	3368.5684	6426.000	658.822144
## 330	3835.3142	7426.483	1537.538818
## 331	3521.7661	6881.431	971.833679
## 334	3481.2986	6732.260	1024.884888
## 345	3721.4536	7215.677	1179.979736
## 372	3802.3313	7426.526	520.564209
## 374	3742.7412	7503.816	322.682434
## 383	3446.5098	6650.000	122.596832
## 388	3743.1392	7374.597	228.398605
## 390	3602.7751	7076.063	532.852356
## 391	3560.1672	7111.627	314.052002
## 397	3654.6721	6986.958	1007.324890
## 399	3821.4575	7641.304	762.852234
## 400	3441.9863	6839.516	862.128601
## 401	3355.5994	6639.817	931.475891
## 406	3567.0183	6893.591	464.096191
## 410	3595.2603	6703.845	611.726074
## 416	3650.0049	7208.655	708.418762
## 424	3631.9968	7101.531	276.765533
## 432	3349.0879	6429.000	420.302979
## 439	3406.6833	6630.357	543.437134
## 442	3724.6331	7429.256	644.726562

## 445	3210.9351	6557.001	554.514404
## 451	3632.8579	7156.631	1698.391968
## 454	3685.7852	7561.577	985.104248
## 456	3504.7400	6730.148	1471.685913
## 476	3309.1118	6518.002	868.545349
## 477	3334.5149	6559.616	1467.551147
## 478	3604.2063	7012.501	1444.301636
## 480	3598.3481	7068.603	846.056213
## 488	3502.7234	7368.255	580.204163
## 498	3361.5137	6349.001	1462.042358
## 503	3359.2964	6480.000	1000.495361
## 506	3551.3784	6856.251	966.506897
## 515	3358.2502	6558.000	1499.968384
## 516	3636.4824	7502.535	2171.054688
## 522	3642.4185	7258.728	733.065063
## 535	3519.3735	6965.000	984.861633
## 542	3328.7522	6596.001	544.760742
## 547	3159.7837	6603.000	667.404602
## 548	3366.9641	6940.627	1549.118042
## 556	3482.4414	6895.715	742.558838
## 588	3587.6882	7033.125	968.802490
## 596	3398.1279	6674.074	875.411682
## 601	3542.3398	6943.750	662.929504
## 602	3526.1660	6960.714	1265.299561
## 604	3766.6499	7309.935	1242.238159
## 605	3571.8586	7030.488	1118.026489
## 622	3420.2693	6733.334	1289.658081
## 624	3556.9856	6925.675	808.079102
## 628	3832.2515	7574.813	1146.750854
## 643	3555.0754	7025.642	1235.387939
## 646	3593.6331	7118.022	808.267578
## 651	3348.0593	6535.000	607.650879
## 654	3350.9077	6533.000	763.961365
## 655	3447.9456	6681.897	1045.841675
## 658	3350.7188	6457.000	1024.981445
## 659	3608.5774	7056.818	922.644836
## 662	3828.6831	7471.429	1166.695312
## 669	3371.4749	6399.000	930.575623
## 670	3598.7766	6873.780	365.247864
## 674	3494.1438	7013.888	2606.752441
## 675	3794.8579	7530.189	1660.519287
## 681	3333.6248	6531.000	922.099854
## 689	3915.2122	7646.042	923.313660
## 690	3915.2554	7649.633	1196.652832
## 693	3524.1458	7059.145	836.545837
## 695	3538.3818	7026.221	635.547058
## 698	3367.4692	6739.656	736.207092
## 699	3309.6787	6641.347	620.323914
## 700	3921.6431	7605.950	1347.197998
## 701	3921.7966	7554.183	1267.744019
## 706	3853.6938	7617.454	1124.375122
## 709	3862.8140	7606.500	1393.605103
## 710	3850.2163	7558.906	1042.572510
## 717	3882.6555	7667.645	1593.645630

## 719	3936.5308	7701.673	1369.736206
## 724	3788.4714	7407.673	725.471252
## 734	3607.0920	7134.301	1078.103394
## 740	3491.3328	6860.606	847.752563
## 743	3341.0916	6551.000	646.470886
## 763	3812.1946	7453.682	1175.955200
## 765	3807.1157	7569.522	1449.222168
## 780	3807.2830	7485.050	1313.650391
## 781	3734.6963	7380.207	1159.076416
## 782	3872.7498	7686.138	1028.308105
## 783	3927.1416	7640.866	1455.801758
## 788	3877.0012	7520.576	1334.727051
## 789	3786.6172	7334.377	1170.811157
## 791	3831.3716	7574.815	1433.441284
## 792	3759.3291	7332.856	1327.095093
## 806	3342.4336	6604.000	927.590820
## 819	3881.9690	7637.929	1146.596191
## 823	3941.8420	7632.720	1157.535278
## 825	3837.6013	7510.913	1575.804810
## 826	3578.5098	7095.931	968.654846
## 827	3834.6035	7465.570	1143.779785
## 838	3652.6606	7321.227	1667.035767
## 841	3751.7351	7513.979	1270.734009
## 844	3683.0098	7346.312	1221.892700
## 846	3550.4321	7205.114	1586.484497
## 849	3317.8506	6573.000	1047.367188
## 851	3668.4575	7278.071	961.605957
## 854	3540.0674	7078.659	1109.417114
## 859	3761.2129	7453.126	1156.899292
## 867	3345.0303	6678.333	553.505920
## 870	3301.0818	6493.000	1494.015015
## 872	3282.8494	6432.000	1055.621216
## 889	3891.8057	7609.092	1561.666382
## 894	3350.5693	6445.000	796.350647
## 898	3944.2163	7521.939	1170.706177
## 900	3353.8560	6425.001	953.882141
## 907	3353.3525	6047.000	551.137207
## 911	3932.2527	7443.702	1120.689209
## 912	3906.9062	7515.688	1377.656494
## 914	3590.6716	6953.408	698.873718
## 917	3486.8845	6784.092	1006.778381
## 919	3626.5491	7033.888	1363.143311
## 920	3772.4453	7241.875	230.990692
## 922	3697.2590	7353.332	1134.069946
## 923	3475.9856	6910.606	964.577820
## 932	3885.1045	7663.890	636.515625
## 943	3878.5146	7594.684	1174.226562
## 979	3507.3589	6663.282	1249.187866
## 1007	3353.5901	6525.000	872.489563
## 1009	3565.7363	6956.875	656.615295
## 1011	3701.5264	7268.102	1097.742310
## 1016	3542.2200	6584.211	1185.832153
## 1024	3862.4854	7475.145	1051.102417
## 1025	3847.0491	7440.789	1504.703125

## 1032	3380.6311	6786.112	1243.420288
## 1046	3935.1355	7630.741	1115.376587
## 1048	3920.1873	7608.068	1202.145020
## 1060	3923.0432	7587.183	1145.096802
## 1073	3686.4180	7192.905	1303.517212
## 1086	3693.8831	7338.709	1029.394897
## 1103	3697.0728	7340.726	1236.919678
## 1105	3817.1116	7547.729	1054.849243
## 1106	3879.4741	7651.089	1301.186523
## 1107	3749.3386	7383.880	856.860962
## 1112	3777.5161	7398.837	1181.930908
## 1116	3621.9077	7213.333	3373.437012
## 1124	3662.5229	7323.245	1135.054932
## 1126	3683.0608	7307.588	1039.043823
## 1128	3753.2998	7493.877	1068.705078
## 1130	3319.4255	6540.000	1222.916016
## 1132	3867.3726	7663.951	1501.069580
## 1135	3870.6343	7603.937	1333.526855
## 1141	3835.4792	7394.443	1615.193359
## 1148	3321.8298	6503.000	750.715942
## 1154	3833.2590	7388.696	1464.171875
## 1158	3729.3999	7187.099	1389.227173
## 1163	3348.0217	6454.000	1241.345215
## 1164	3307.4841	6378.000	956.379883
## 1166	3453.9980	6740.324	1352.807861
## 1167	3344.7441	6468.000	1608.248779
## 1173	3569.1716	6918.591	954.501648
## 1175	3411.3379	6517.593	346.158173
## 1180	3458.2222	6682.759	1091.420288
## 1186	3459.0835	6774.999	1432.361938
## 1189	3645.2881	7234.821	1224.697144
## 1191	3514.4521	6933.333	1681.434814
## 1197	3452.0706	6781.667	1224.769531
## 1203	3591.7793	7003.750	685.300232
## 1207	3904.9199	7638.745	836.777771
## 1209	3703.3652	7378.173	920.561218
## 1218	3342.7034	6538.001	810.236755
## 1221	3812.7632	7357.304	1542.121460
## 1228	3366.0508	6543.270	646.719788
## 1237	3900.4897	7616.821	1185.132690
## 1240	3811.1099	7521.337	1196.701660
## 1267	3349.7800	6562.001	1840.203247
## 1270	3467.2175	6836.719	963.810242
## 1271	3560.9919	6990.386	601.493103
## 1272	3385.9646	6591.667	512.921753
## 1273	3467.9082	6828.905	841.171082
## 1274	3468.1626	6764.516	728.116516
## 1275	3399.7607	6620.370	783.793640
## 1276	3352.4287	6535.000	689.254578
## 1278	3364.4741	6501.999	1005.861267
## 1290	3707.8511	7248.307	1076.628906
## 1292	3456.1765	6842.742	794.177307
## 1305	3388.5969	6678.571	842.280029
## 1323	3611.8459	6859.756	582.777283

## 1324	3641.2429	6936.931	1062.977783
## 1326	3471.5972	6822.656	2455.365234
## 1345	3898.7856	7502.137	1212.249268
## 1348	1233.6383	6904.545	0.003518
## 1352	746.4634	6263.001	0.001302
## 1353	761.9796	6272.000	0.001358
## 1354	2585.1511	6828.677	517.705811
## 1355	3540.8867	6950.643	427.378784
## 1358	3024.1611	6561.000	606.643311
## 1366	3745.7200	7408.126	1214.177734
## 1370	3890.4019	7664.743	683.967834
## 1371	3891.4954	7636.942	616.017273
## 1386	3817.7158	7483.001	1135.274902
## 1387	3848.8191	7486.283	1350.884521
## 1392	3766.3879	7302.986	1921.229492
## 1395	3952.3132	7646.289	853.580383
## 1411	3917.8911	7552.729	1114.260986
## 1419	3914.2131	7655.466	1395.768066
## 1421	3935.1787	7628.916	1484.528198
## 1430	3799.1848	7530.320	1421.777222
## 1432	3440.7979	6763.794	1737.199463
## 1435	3701.9512	7239.656	1079.433594
## 1438	3783.2148	7427.300	1537.039307
## 1439	3345.7649	6582.000	660.694519
## 1442	3633.9016	7001.703	987.173767
## 1446	3813.9707	7495.721	1316.567993
## 1453	3334.4844	6528.000	674.727722
## 1460	3360.3284	6506.000	1141.334106
## 1466	3416.3618	6644.643	1095.442383
## 1468	3799.1353	7302.160	921.267639
## 1472	3514.2520	6993.055	1343.196289
## 1474	3851.4468	7517.807	1220.294189
## 1479	3638.3149	7166.325	1740.314575
## 1480	3735.6475	7422.116	1167.016479
## 1481	3862.6646	7574.550	1232.730713
## 1482	3696.6707	7244.827	1166.375366
## 1501	3854.3743	7511.737	1193.818604
## 1508	3867.8970	7530.790	1471.705811
## 1520	3878.0347	7527.340	1754.767700
## 1524	3564.6042	6890.790	1858.235474
## 1530	3535.9827	7070.238	970.073364
## 1536	3927.9141	7744.921	1471.635620
## 1537	3908.8784	7733.655	1309.791992
## 1540	3597.6121	7059.883	1422.468018
## 1562	3278.4243	6470.000	240.689285
## 1593	3881.8442	7575.935	1113.230835
## 1598	3501.0991	6834.090	1360.604004
## 1605	3824.2087	7551.623	1468.088379
## 1606	3808.2495	7554.966	1170.518677
## 1625	3908.4802	7671.998	1023.416565
## 1628	3897.1128	7671.852	1261.353760
## 1636	3925.8743	7673.821	1182.289429
## 1640	3821.4934	7462.501	1217.080933
## 1641	3902.3799	7545.218	936.137451

## 1643	3791.5405	7555.159	822.558533
## 1645	3901.4761	7649.179	1307.081421
## 1651	3701.3093	7252.240	1271.188110
## 1656	3308.1069	6506.000	557.033447
## 1657	3806.3384	7433.333	1274.855835
## 1669	3829.2576	7545.524	1023.996460
## 1672	3785.0730	7397.726	1307.765259
## 1678	3775.7844	7395.104	1043.122314
## 1679	3911.2288	7642.922	1182.557739
## 1684	3863.7778	7639.708	993.692871
## 1701	3685.5020	7237.692	1441.324829
## 1702	3469.3313	6861.428	809.879333
## 1707	3759.0444	7514.965	1069.076050
## 1711	3611.5212	7158.772	935.236145
## 1717	3492.5913	6857.434	968.043823
## 1718	3888.2095	7694.547	1142.496094
## 1721	3916.3064	7698.411	1181.404907
## 1722	3890.1697	7644.404	1504.443726
## 1733	3645.1287	6991.110	1091.363159
## 1735	3766.8220	7291.551	1224.001221
## 1745	3374.2466	6682.407	1430.749756
## 1758	3524.9944	7215.625	756.110291
## 1760	3457.2898	6493.104	701.082520
## 1764	3652.8281	7128.571	719.678223
## 1765	3399.0803	6688.394	600.196777
## 1774	3407.9658	6700.893	774.252625
## 1779	3901.1382	7651.878	1230.295532
## 1788	3869.1255	7555.112	1291.408447
## 1793	3871.1021	7663.135	1053.647217
## 1794	3848.9331	7581.252	1025.719971
## 1796	3912.2649	7606.430	1078.129761
## 1797	3811.5786	7361.063	1268.989624
## 1800	3450.0708	6815.000	889.297607
## 1801	3626.6401	7090.741	646.484375
## 1806	3732.5237	7355.556	1282.095825
## 1821	3873.1709	7598.735	1381.352051
## 1826	3340.3125	6577.884	814.003418
## 1834	3612.9160	6885.366	696.312073
## 1838	3555.1917	6820.138	1659.447876
## 1840	3811.6282	7569.878	1640.175049
## 1860	3829.8965	7694.830	1201.854248
## 1869	3724.2385	7273.528	1155.601807
## 1875	3820.9976	7478.536	1052.795410
## 1877	3349.6038	6521.999	842.912598
## 1881	3770.0032	7491.476	1179.664185
## 1893	3819.7373	7662.327	1482.676270
## 1895	3841.0112	7653.688	1327.635986
## 1915	3362.2122	6487.999	2007.417847
## 1923	3671.7773	7009.043	898.973755
## 1929	3516.7534	6819.852	1158.195435
## 1931	3346.4243	6480.000	882.314331
## 1932	3365.2234	6531.730	777.109375
## 1939	3354.6726	6536.000	1165.100098
## 1941	3813.4817	7401.686	1330.190063

## 1943	3785.2700	7422.475	948.719910
## 1944	3784.8008	7369.346	595.966736
## 1948	3886.9478	7527.662	1050.871826
## 1958	3340.8521	6502.001	514.692200
## 1964	3905.6716	7764.002	1364.795044
## 1971	3334.2336	6600.000	751.130615
## 1972	3796.4578	7547.981	751.963928
## 1973	3697.6279	7648.089	1027.837402
## 1986	3919.4880	7674.495	1472.750122
## 1987	3822.7205	7485.647	1603.835449
## 1990	3919.9146	7607.376	1492.195190
## 1995	3878.6406	7585.081	1601.470337
## 1996	3564.0391	6980.358	1903.296387
## 2004	3940.7759	7592.333	1199.680542
## 2008	3873.2019	7383.333	1233.166138
## 2009	3855.6267	7456.330	1026.862427
## 2010	3950.4937	7627.105	1177.390625
## 2013	3890.6252	7572.998	1201.746460
## 2018	3795.0347	7391.945	1232.802856
## 2024	3603.2048	7065.116	1080.324951
## 2026	3659.8967	7196.759	892.844055
## 2028	3791.7527	7571.033	1379.566162
## 2030	3529.5125	6984.883	951.156494
## 2037	3500.6206	6915.132	1735.826660
## 2038	3255.9512	6530.000	1124.493164
## 2048	3477.8145	7024.999	894.256165
## 2052	3256.2544	6480.000	988.696655
## 2058	3634.8398	7120.109	1099.089600
## 2068	3685.7949	7198.114	969.611023
## 2073	3561.7673	7185.555	1598.142578
## 2075	3623.2144	7253.432	1416.258301
## 2083	3655.9924	7261.161	1113.425293
## 2090	3892.4084	7578.306	984.693726
## 2093	3308.9119	6405.000	1505.121826
## 2096	3891.5073	7675.753	1098.434448
## 2102	3547.0759	6868.919	1307.617432
## 2109	3313.7976	6432.000	899.618652
## 2110	3890.7866	7563.045	1200.329712
## 2111	3924.8865	7600.999	1235.067871
## 2123	3922.0925	7550.704	1108.175903
## 2137	3856.5173	7458.333	1376.885986
## 2140	3662.5374	7101.563	1135.465454
## 2146	3523.7573	6910.714	819.679749
## 2152	3374.3875	6567.000	2379.958008
## 2158	3806.0386	7576.483	1086.046509
## 2159	3807.1726	7428.612	746.780151
## 2172	3621.0615	7121.275	1080.860718
## 2183	3913.9895	7599.687	1344.823242
## 2184	3642.5000	7083.962	1404.894409
## 2188	3820.6187	7627.488	1291.192139
## 2189	3858.4031	7632.758	1650.191650
## 2197	3778.6262	7628.077	1520.865845
## 2200	3789.6536	7583.764	1200.604370
## 2203	3836.0957	7470.898	1590.185181

## 2206	3825.7866	7429.242	1479.197876
## 2216	3675.9670	7187.729	1036.421265
## 2228	3649.0764	7264.815	594.827698
## 2229	3584.7395	7081.977	646.142639
## 2231	3304.0850	6591.000	519.796143
## 2235	3747.6699	7378.380	630.034363
## 2241	3725.8799	7305.384	811.089966
## 2246	3426.9358	6686.208	1093.039429
## 2248	3315.4834	6552.000	975.128357
## 2250	3743.2544	7340.277	989.896118
## 2252	3331.9404	6549.000	1498.677856
## 2254	3348.5393	6540.001	1320.081177
## 2257	3608.9221	7048.864	1112.892456
## 2262	3715.2527	7310.546	1367.533569
## 2272	3336.1677	6561.000	659.463562
## 2282	3352.6086	6587.000	1078.180542
## 2287	3869.8594	7477.987	1705.030273
## 2301	3922.5327	7608.653	1264.065918
## 2303	3865.2339	7511.349	1140.495361
## 2311	3834.0110	7539.326	1126.326416
## 2312	3759.2727	6955.435	358.422821
## 2320	3703.2444	7300.304	1274.142944
## 2323	3474.0874	6863.815	1293.093018
## 2331	3889.0710	7468.491	1170.960938
## 2339	3806.0288	7361.520	834.828857
## 2344	3320.9353	6612.501	1407.812988
## 2349	3364.0112	6545.192	693.806396
## 2359	3213.7876	6876.562	1495.197632
## 2364	3583.4431	7151.161	569.754700
## 2376	3392.7537	6593.271	1646.774048
## 2384	3911.4487	7693.191	1200.126099
## 2387	3738.1890	7265.584	1379.517578
## 2388	3843.1824	7481.863	1247.160889
## 2392	3753.5881	7483.533	1324.629028
## 2398	3847.1575	7462.386	2059.962646
## 2399	3908.5410	7567.203	1423.135498
## 2402	3890.8599	7639.577	1573.731445
## 2403	3325.5750	6812.180	8.331684
## 2428	3687.2578	7259.647	693.411926
## 2431	3493.5847	6871.095	792.588135
## 2436	3450.3691	6776.668	786.142944
## 2443	3907.1082	7648.974	1893.817383
## 2444	3877.2791	7474.809	1154.558716
## 2453	3838.7935	7520.284	2002.649048
## 2454	3890.5989	7609.550	1308.651245
## 2459	3580.6558	7607.341	1078.848633
## 2464	3903.5596	7577.760	818.076721
## 2468	3712.0073	7245.271	1085.746460
## 2476	3687.3774	7158.773	715.130005
## 2478	2485.4468	6873.614	1126.571167
## 2490	3798.9956	7547.322	1159.454468
## 2494	3606.9646	7439.609	1132.669067
## 2499	3448.1516	6670.000	852.600403
## 2511	3704.0325	7298.016	1185.081421

## 2513	3685.7957	7130.094	832.923950
## 2520	3759.2214	7419.366	1180.877686
## 2525	3765.7634	7469.000	1698.350342
## 2531	3474.8491	6846.972	1026.243896
## 2534	3297.9165	6607.001	1275.285889
## 2536	3703.3127	7353.677	1006.143921
## 2537	3718.5742	7377.744	1230.866577
## 2540	3811.6001	7676.009	948.735901
## 2542	3276.3240	6577.000	1345.922974
## 2549	3337.3367	6436.000	883.080078
## 2550	3805.9939	7427.427	1405.276245
## 2552	3895.8389	7544.872	1414.490967
## 2560	3824.0588	7568.895	810.854919
## 2565	3486.5837	6906.546	1258.325317
## 2569	3657.8560	7044.354	676.351318
## 2584	3627.8154	7053.260	754.838928
## 2585	3802.0510	7553.621	886.513123
## 2589	3900.8794	7684.210	1166.598755
## 2595	3357.2183	6437.000	1510.569824
## 2596	3328.1929	6472.000	1268.762573
## 2611	3534.5884	7104.268	1799.196411
## 2616	3457.2410	6886.721	697.728516
## 2617	3340.5144	6654.807	588.061157
## 2623	3344.8372	6439.000	758.952515
## 2637	3855.8047	7524.628	1409.668213
## 2639	3822.1445	7462.894	1311.124634
## 2641	3845.7527	7526.906	2951.744385
## 2643	3692.7771	7274.569	940.114929
## 2644	3806.5623	7421.393	744.487671
## 2647	3351.2539	6480.001	956.317322
## 2652	3434.5134	6682.759	1243.647095
## 2654	3536.6631	6890.542	999.407776
## 2655	3677.1113	7279.042	1161.199341
## 2663	3655.5479	7184.258	1154.203735
## 2664	3836.9380	7656.409	1167.603516
## 2667	3880.5413	7711.267	1022.030396
## 2668	3656.9163	7352.918	902.657654
## 2671	3887.9849	7774.594	595.033447
## 2677	3904.7300	7590.685	982.387939
## 2681	3806.2974	7230.873	963.642761
## 2688	3891.0552	7600.705	1083.736694
## 2693	3729.2708	7125.650	1365.373047
## 2697	3432.6921	6455.356	1096.873413
## 2699	3700.3301	7020.285	1410.539185
## 2700	3765.6873	7062.500	1021.326782
## 2704	3401.2700	6201.786	828.213562
## 2705	3717.0144	7002.194	1427.106445
## 2710	3887.5430	7365.990	1220.634399
## 2713	3872.4873	7388.044	1281.158447
## 2714	3805.3296	7230.338	1036.351318
## 2721	3787.7915	7217.137	1166.711060
## 2724	3401.8855	6535.716	1015.440979
## 2726	3421.1633	6262.502	755.290039
## 2730	3715.1875	7165.322	1387.068604

## 2743	3661.7485	6993.617	443.021912
## 2745	3782.2078	7457.051	1410.046021
## 2748	3794.5591	7451.317	1111.678711
## 2759	3581.1409	7054.167	1313.444458
## 2760	3804.3176	7509.813	1532.029297
## 2769	3478.9419	6912.838	683.467468
## 2781	3792.9358	7428.604	1252.167603
## 2787	3858.6345	7661.318	1426.006714
## 2795	3318.3074	6591.001	2566.237793
## 2802	3758.2825	7374.147	1316.928345
## 2815	3892.1233	7548.165	1301.484131
## 2817	3315.2505	6760.000	1280.523560
## 2819	3211.4082	6489.000	1829.896973
## 2824	3337.2944	6532.000	1265.373413
## 2827	3903.6772	7658.432	1241.234131
## 2839	3608.1208	7161.933	787.598999
## 2844	3707.6191	7249.562	984.990295
## 2848	3770.2146	7333.784	1472.466064
## 2859	3418.8298	6618.750	556.973267
## 2860	3674.9307	7256.366	1592.986572
## 2864	3748.2983	7475.002	1367.304810
## 2871	3778.7334	7222.604	1438.073486
## 2872	3712.3560	7172.917	973.171021
## 2892	3440.5977	6912.502	506.594757
## 2895	3767.1560	7314.459	1456.629150
## 2899	3829.5969	7606.879	1208.897461
## 2901	3250.3306	6548.217	1619.033813
## 2902	3646.7661	7308.644	1117.213745
## 2904	3760.8372	7319.511	536.840637
## 2907	3762.3630	7137.501	479.425720
## 2909	3692.2222	7183.476	694.958496
## 2913	3872.1863	7423.055	1227.915894
## 2916	3602.7498	7171.371	1036.640381
## 2918	3725.2954	7234.058	1109.833374
## 2920	3745.0312	7453.037	1619.147095
## 2931	3932.8799	7643.621	1434.817505
## 2932	3697.2827	7199.999	976.868591
## 2934	3924.3716	7648.083	1198.371948
## 2940	3882.6809	7613.843	1331.438477
## 2946	3778.8933	7367.078	1457.275513
## 2952	3887.6951	7560.142	1495.848877
## 2956	3915.8901	7635.888	1221.226074
## 2961	3848.4390	7574.778	849.740112
## 2964	3169.7468	6366.000	248.876251
## 2965	3678.1897	7190.999	617.746765
## 2983	3938.7983	7632.703	1288.644287
## 2989	3460.1895	6643.939	807.059570
## 2998	3427.7869	7037.839	2430.947754
## 3001	3461.1812	6883.593	886.804626
## 3013	2944.8894	6601.000	731.570007
## 3015	3741.7358	7368.583	1561.540894
## 3017	3373.4038	6720.537	1170.353516
## 3018	3325.9871	6592.001	861.458496
## 3019	3829.2373	7577.479	1109.725342

## 3023	3298.3904	6507.001	854.811462
## 3024	3317.2859	6581.001	830.418640
## 3025	3757.5762	7439.516	1229.671753
## 3033	3818.9753	7551.851	1291.463379
## 3037	3698.3777	7262.142	1211.914917
## 3039	3475.2266	6801.517	1444.358276
## 3050	3385.2673	6886.364	2009.177490
## 3053	3629.6008	7265.566	1432.607910
## 3054	3740.1296	7486.921	1209.120972
## 3060	3655.9700	7165.199	1480.219727
## 3062	3728.5950	7360.506	1098.461914
## 3070	3765.9307	7571.968	1261.284424
## 3075	3824.9136	7477.969	1161.013672
## 3076	3856.3823	7484.955	1439.610962
## 3080	3864.3450	7556.252	1278.668579
## 3081	3575.0657	6922.976	1458.068237
## 3084	3723.1252	7146.124	968.049316
## 3089	3911.0840	7496.809	1629.600952
## 3096	3892.7244	7634.004	1227.701782
## 3107	3752.8286	7467.288	539.651489
## 3109	3942.9307	7683.748	1273.483887
## 3114	3869.4233	7540.799	950.986694
## 3119	3734.9104	7442.378	454.821777
## 3120	3809.3899	7339.287	1298.420288
## 3128	3487.6128	6775.000	1590.812256
## 3130	3768.4082	7373.974	1189.560181
## 3133	3360.4563	6589.001	1182.855591
## 3134	3614.4556	7091.667	1486.403687
## 3137	3603.8503	6873.751	643.643982
## 3139	3715.4600	7137.711	600.172485
## 3145	3866.3911	7682.718	2055.693604
## 3149	3727.1790	7289.706	1603.107300
## 3150	3764.7595	7279.513	1311.500977
## 3152	3788.1741	7478.458	1638.655518
## 3173	3729.7200	7265.322	1036.094727
## 3174	3711.5867	7212.069	1025.374756
## 3177	3804.0020	7453.613	1079.339844
## 3182	3735.1260	7353.517	1137.038574
## 3187	3698.5796	7087.500	1636.779541
## 3189	3681.8413	7265.455	1452.852417
## 3196	3350.7681	7609.691	879.159485
## 3198	3886.6311	7537.724	1344.637207
## 3204	3459.1521	7512.954	565.386414
## 3207	3667.6492	7197.728	597.216980
## 3220	3842.7778	7456.779	1763.975830
## 3230	3952.2644	7720.180	1322.938721
## 3234	3884.6836	7602.107	1433.473511
## 3241	3592.0286	6924.480	772.703857
## 3242	3822.4385	7494.434	842.261963
## 3248	3803.8892	7492.292	1838.047852
## 3250	3655.3384	7201.056	1517.928589
## 3264	3777.9568	7675.338	1685.164429
## 3270	3807.0632	7553.654	1721.548828
## 3275	3781.2485	7672.208	1612.428101

## 3282	3779.2703	7722.009	1713.352539
## 3284	3666.2212	7570.770	1415.022461
## 3288	3695.2339	7524.579	1469.096191
## 3291	3860.1194	7736.431	1384.266113
## 3292	3661.3564	7340.625	1592.576172
## 3301	3877.4277	7675.003	1465.002319
## 3303	3866.6785	7532.646	1855.666138
## 3304	3736.1375	7373.751	1427.897705
## 3308	3880.4016	7487.912	1306.492310
## 3326	3493.3540	6963.195	1757.377563
## 3330	3807.1941	7479.862	1387.061157
## 3331	3281.3262	6527.001	859.217468
## 3342	3850.9297	7620.328	1400.192749
## 3343	3788.0603	7428.491	1767.891968
## 3347	3325.3677	6620.000	1043.756958
## 3349	3370.7542	6522.001	1719.054321
## 3360	3786.2825	7382.012	957.157532
## 3361	3444.0698	6651.669	398.007782
## 3366	3766.6755	7360.856	1264.606567
## 3371	3844.6565	7562.899	1291.508911
## 3372	3724.7161	7409.738	1339.620605
## 3382	3319.7488	6475.001	2247.253418
## 3386	3638.2153	7184.822	1209.043579
## 3387	3756.3782	7433.671	1493.290039
## 3394	3317.7212	6581.000	724.394409
## 3397	3748.6890	7365.753	1019.749451
## 3404	3906.5742	7645.666	1308.515381
## 3408	3902.1731	7573.281	1657.889038
## 3424	3680.0908	7337.366	1178.323853
## 3425	3784.0552	7441.101	1135.293945
## 3430	3835.7600	7578.699	1184.104736
## 3443	3779.9087	7361.709	1716.090332
## 3449	3504.0173	6978.846	993.437683
## 3454	3549.5225	6710.257	1328.761597
## 3457	3421.6475	6692.745	939.723816
## 3460	3510.8733	7132.559	305.358246
## 3476	3298.8403	6641.000	865.113892
## 3480	3520.7156	6743.919	1364.450928
## 3481	3579.7058	6857.433	1914.636353
## 3487	3663.6492	6993.479	1288.878418
## 3490	3383.7771	6637.039	843.198242
## 3495	2211.9280	6597.001	166.502228
## 3497	3330.4475	6502.000	991.705872
## 3498	3790.1536	7459.240	1375.138428
## 3501	3705.6726	7335.318	988.798706
## 3517	3350.0979	6538.001	1656.332397
## 3526	3468.0115	6770.313	782.632446
## 3529	3699.9778	7432.188	849.698364
## 3534	3763.4104	7503.190	917.885437
## 3535	3772.5186	7504.361	717.720825
## 3538	3780.1729	7481.250	764.242859
## 3539	3671.3022	7257.872	906.081299
## 3543	3489.9658	6787.880	1591.482300
## 3545	3741.1611	7495.278	1372.947144

## 3546	3788.5549	7201.737	994.831543
## 3553	3828.2961	7547.843	1701.125977
## 3559	3689.4487	7357.315	1409.197144
## 3570	3840.2932	7663.129	1475.459106
## 3572	3709.9937	7270.835	1231.584595
## 3586	3850.5273	7564.392	1325.540283
## 3607	3400.6628	6852.344	781.142883
## 3612	3303.4177	6605.000	534.447632
## 3613	3528.5693	7034.376	1519.935059
## 3615	3460.0698	6971.155	1401.447998
## 3618	3790.5740	7421.665	1250.719116
## 3619	3544.7161	7537.500	905.334961
## 3620	3816.9595	7264.460	1316.312500
## 3624	3652.8081	6901.667	727.508789
## 3627	3455.2778	6939.708	970.388184
## 3635	3567.5498	7204.627	555.112488
## 3649	3758.7983	7617.412	1203.884033
## 3650	3345.2190	6558.001	801.453979
## 3652	3493.6948	6868.939	988.566162
## 3654	3644.0708	6937.222	1045.651367
## 3673	3777.3665	7504.736	1425.888306
## 3681	3771.4817	7443.966	1041.434937
## 3691	3663.0288	7102.553	1086.312134
## 3698	3862.1404	7647.363	1178.124878
## 3703	3773.0400	7518.114	1158.875000
## 3707	3873.3623	7684.678	1680.389160
## 3708	3855.5015	7543.167	1670.481079
## 3716	3813.0142	7486.833	1515.226074
## 3722	3842.8916	7647.831	1317.184326
## 3726	3521.7212	7034.870	569.346191
## 3730	3612.9583	7098.371	1539.756104
## 3731	3742.7756	7366.670	1186.618896
## 3732	3669.7300	7275.912	1543.375854
## 3734	3332.9080	6577.000	1224.985352
## 3735	3819.9512	7585.121	1065.016968
## 3742	3712.2656	7413.236	1374.387207
## 3747	3349.9209	6514.000	1064.237305
## 3754	3710.5835	7221.492	1356.451050
## 3757	3620.0605	7101.138	1147.753784
## 3759	3754.8906	7358.905	1241.097046
## 3761	3682.9646	7370.312	610.001038
## 3768	3673.6628	7286.637	1369.779297
## 3774	3736.5647	7273.485	1805.508301
## 3781	3831.6194	7525.234	2146.997559
## 3786	3810.6150	7441.053	1168.911987
## 3788	3889.4587	7596.727	1003.936829
## 3789	3694.1694	7119.090	842.587097
## 3790	3625.0854	7356.001	1095.307739
## 3791	3594.1848	7009.092	1370.649658
## 3792	3653.1885	7356.014	944.440613
## 3797	3560.9197	7013.069	1445.116333
## 3798	3644.0757	7227.822	1520.014404
## 3801	3412.7461	6748.484	824.141846
## 3810	3594.9395	7118.749	1311.584351

## 3813	2250.0693	7407.783	303.905518
## 3817	3884.0967	7752.874	1442.479248
## 3818	3809.0667	7631.750	1703.239258
## 3823	3889.0176	7582.821	1342.548950
## 3832	3861.0183	7659.061	1607.048828
## 3834	3693.6675	7330.969	1155.935913
## 3839	3718.5056	7628.681	963.814636
## 3842	3846.2131	7693.015	1462.850830
## 3845	3838.9551	7520.349	1797.472656
## 3853	3829.4363	7627.445	1260.536011
## 3856	3853.7368	7616.566	1895.202393
## 3857	3735.3657	7477.173	920.098145
## 3861	3584.4534	7075.000	1385.144653
## 3862	3509.9604	7284.375	260.790375
## 3865	2689.8608	6827.273	300.052521
## 3867	3636.3457	7003.408	1771.411865
## 3882	3642.6660	7034.239	1503.839844
## 3884	3342.5405	6489.002	880.641846
## 3885	3462.3362	6769.357	961.184875
## 3890	3742.0923	7350.356	1323.991943
## 3891	3349.9653	6529.001	741.660583
## 3897	3637.2954	7077.175	1413.560059
## 3903	3798.8997	7421.389	761.599731
## 3906	3452.9636	6692.502	1038.884766
## 3909	3740.1814	7221.924	957.046631
## 3910	3497.1680	6795.455	700.408508
## 3913	3657.7456	7338.681	2777.405273
## 3915	3542.4023	7079.270	1556.289917
## 3917	3393.4165	6707.144	1248.857178
## 3918	3599.9656	7180.436	1213.628662
## 3924	3349.9871	6635.578	1012.590942
## 3931	3400.5830	6818.967	1589.176758
## 3937	3563.6926	6786.806	492.179657
## 3940	3347.1182	6557.000	1210.577881
## 3941	3400.5649	6738.396	899.649841
## 3942	3349.1121	6569.000	1668.692749
## 3944	3690.0129	7116.829	1171.146729
## 3956	3036.8567	6687.933	1539.650391
## 3965	3567.9358	7160.226	1046.053833
## 3974	3743.7446	7286.231	1332.284180
## 3998	3938.2742	7578.880	1186.993042
## 4003	3733.2412	7373.439	1511.606934
## 4005	3686.8677	7312.877	2062.774414
## 4008	3819.9106	7470.929	1200.163208
## 4015	3838.4719	7673.523	1833.497681
## 4021	3837.3687	7715.626	1456.346680
## 4028	3844.3779	7719.608	1689.355103
## 4031	3761.4414	7404.124	1373.702271
## 4039	3887.4600	7713.819	1718.571655
## 4040	3910.3281	7706.197	1527.224365
## 4043	3783.5288	7404.397	1287.081909
## 4047	3921.1406	7649.359	1495.783569
## 4051	3523.1050	6969.739	1220.516602
## 4052	3347.7864	6485.000	1428.651367

## 4054	3303.7078	6578.000	1064.264893
## 4066	3324.4131	6591.000	1524.250854
## 4069	3325.0977	6604.001	740.731201
## 4070	3387.2449	6679.630	1906.643799
## 4075	3405.7744	6739.287	697.428101
## 4077	3330.7058	6530.000	996.059387
## 4080	3895.4497	7650.507	1056.109863
## 4081	3344.5640	6902.564	2772.083252
## 4086	3378.5566	6576.925	1746.741577
## 4089	3402.5522	6620.371	1668.596924
## 4097	3441.3879	6747.415	1199.261353
## 4109	3880.8286	7546.790	757.923889
## 4122	3696.9255	7319.916	1575.280884
## 4123	3801.3647	7529.428	1266.283936
## 4135	3660.4355	7115.307	1229.706665
## 4142	3797.2168	7381.329	1314.132690
## 4146	3720.8206	7321.916	1373.629272
## 4155	3742.1792	7407.693	1350.580200
## 4156	3876.6267	7591.564	1329.829102
## 4161	3823.7607	7625.662	1210.326416
## 4178	3619.1843	6879.072	342.307068
## 4183	3345.8186	6638.971	406.229279
## 4189	3803.6873	7448.032	1336.094849
## 4191	3805.6462	7612.527	1059.583618
## 4192	3748.7583	7494.210	1211.162842
## 4210	3828.0044	7616.900	1473.878784
## 4218	3812.6504	7522.985	1611.294556
## 4219	3770.6938	7581.300	1817.464478
## 4221	3884.6904	7747.614	1512.916870
## 4222	3783.5151	7578.285	1472.656860
## 4241	3153.5767	7472.620	667.087769
## 4247	3700.6587	7323.826	1951.109741
## 4251	3663.0315	7356.854	1508.537964
## 4257	3535.9944	6941.668	1032.275635
## 4263	3779.7327	7478.085	1052.464844
## 4267	3541.2200	6895.139	1038.549072
## 4268	3834.7415	7550.550	926.977234
## 4273	3804.1353	7538.408	1247.105103
## 4282	3775.0286	7367.379	934.146118
## 4287	3352.4856	6519.000	870.117798
## 4288	3566.3420	6898.025	682.014587
## 4296	3625.6641	6997.780	989.515198
## 4298	3377.5786	6598.149	687.665161
## 4299	3748.5505	7333.571	946.393677
## 4301	3404.3091	6537.964	678.583801
## 4303	3628.5579	6996.511	1139.832764
## 4309	3634.7871	7136.703	1051.013672
## 4322	3751.4795	7449.391	1244.382446
## 4323	3562.2861	7087.808	874.682373
## 4329	3815.2278	7476.204	1273.543579
## 4340	3865.0933	7637.980	1391.041992
## 4346	3813.0195	7471.050	1822.721680
## 4349	3923.3118	7664.242	1298.917358
## 4353	3890.9407	7600.367	1553.452759

## 4354	3913.1338	7601.918	1449.082520
## 4362	3621.2422	7118.502	840.195129
## 4363	3671.9900	7360.938	1000.973877
## 4364	3885.2766	7525.144	1454.539551
## 4369	3940.9155	7636.960	1452.835938
## 4373	3639.0764	7009.499	1136.898071
## 4374	3586.9163	6916.466	1099.534546
## 4380	3292.4248	6491.000	677.437134
## 4381	3386.4597	6823.387	644.354553
## 4385	3468.4468	6830.264	1040.302368
## 4386	3357.1782	6396.001	1407.159180
## 4391	3257.6494	6638.002	592.573303
## 4392	3325.1965	6744.644	1334.503784
## 4395	2734.1345	6644.444	88.038071
## 4396	3150.9275	6962.848	296.246918
## 4403	3555.2715	6884.870	1412.762695
## 4406	3591.2776	7045.833	875.057495
## 4409	3402.6670	6731.898	508.839417
## 4410	3680.4871	7141.037	1561.983032
## 4411	3772.8557	7384.375	710.733398
## 4412	3692.9570	7240.351	1150.224609
## 4415	3630.2517	6990.910	842.353699
## 4417	3737.1589	7426.029	1157.484619
## 4418	3448.9626	6746.668	1578.940308
## 4424	3705.9441	7247.414	1061.854614
## 4425	3825.2634	7443.042	1355.168823
## 4429	3897.3423	7697.828	1465.817017
## 4430	3855.6646	7525.939	1005.614197
## 4439	3831.4690	7408.962	1226.350830
## 4450	3819.9978	7389.324	1120.846191
## 4451	3580.8235	7363.197	1087.948120
## 4460	3612.5139	7102.274	909.627319
## 4466	3185.2456	6566.001	221.160782
## 4469	3263.9958	6507.000	1118.771362
## 4472	3750.3870	7381.389	1469.402100
## 4474	3620.9124	7200.809	954.274597
## 4476	3247.4663	6519.999	595.409241
## 4477	3700.9160	7396.009	1104.755615
## 4487	3327.6621	6418.001	1467.864380
## 4499	3762.9814	7352.274	443.000061
## 4503	3567.6077	6939.103	716.789917
## 4509	3768.3577	7527.452	772.793213
## 4514	3346.6982	7175.582	566.817078
## 4517	3696.8762	7199.123	1731.313110
## 4525	3436.8596	7145.623	948.783386
## 4526	3290.5291	6609.000	1205.128296
## 4528	3351.5566	6507.001	437.537781
## 4532	3357.6194	6523.001	859.909729
## 4535	3714.9243	7324.242	1192.081055
## 4540	3704.4744	7343.951	2254.295654
## 4542	3302.3142	6605.001	136.708725
## 4563	3695.4011	7127.271	1084.899170
## 4584	3245.2930	6437.002	299.343292
## 4588	3491.8538	6985.714	3396.199463

## 4599	3567.3713	7079.168	1601.690674
## 4606	3485.0413	6837.124	1738.340942
## 4613	3510.7053	6813.237	781.741028
## 4615	3344.5684	6513.001	571.591064
## 4617	3281.0244	6523.001	135.784729
## 4621	3465.1367	6497.500	243.592514
## 4622	3810.1089	7164.372	398.400146
## 4629	3700.3386	7537.498	969.573364
## 4632	3609.1621	7282.000	1324.655151
## 4633	3679.0710	7393.560	670.564392
## 4635	3626.2646	7156.771	345.116486
## 4636	3587.3274	7096.512	554.489502
## 4638	3593.6570	7275.480	690.393738
## 4642	3387.9448	6752.679	2217.203125
## 4643	3325.7737	6642.307	1195.800903
## 4645	3063.1812	6983.751	973.967651
## 4657	3573.2852	6928.948	829.597473
## 4659	3727.7583	7219.582	895.738464
## 4666	3761.0593	7467.375	1372.419922
## 4667	3710.9026	7251.666	1085.565308
## 4671	3738.5613	7233.331	1712.135620
## 4677	3327.2202	6510.001	1155.126099
## 4678	3900.8003	7471.641	1098.129272
## 4683	3800.2742	7455.101	1103.582397
## 4688	3757.8442	7421.000	1724.494507
## 4692	3803.5164	7458.517	1860.394897
## 4695	3865.0273	7598.334	1166.670898
## 4696	3620.9651	7095.457	566.227539
## 4703	3049.5576	6690.741	84.365005
## 4707	3262.0769	6648.001	1108.734619
## 4721	3584.5449	7287.500	1213.137085
## 4727	3602.8586	7267.000	1131.436157
## 4729	3936.8364	7726.002	1608.458008
## 4735	3409.2480	6972.858	3155.078369
## 4741	3712.2288	7370.076	1398.586792
## 4744	3454.0520	6950.760	951.011353
## 4745	3520.1392	6959.029	1032.489258
## 4757	3696.1609	7170.691	546.736572
## 4760	3759.0745	7306.508	820.303528
## 4764	3770.4053	7077.897	362.057861
## 4773	3342.8564	6512.001	1720.323242
## 4782	3737.4624	7273.436	1837.680908
## 4784	3818.1929	7583.403	1083.926392
## 4786	3628.1619	7105.212	1220.665283
## 4809	3530.2319	6943.245	308.139496
## 4815	3193.7639	6645.001	428.700562
## 4821	3197.3489	7425.770	699.393921
## 4823	3393.9438	6976.517	275.264587
## 4825	3555.3396	7421.371	695.987183
## 4831	3751.2864	7368.405	1767.388550
## 4834	3751.6580	7385.333	1164.622437
## 4837	3884.7756	7634.411	1552.913574
## 4845	3818.7852	7526.806	1268.170532
## 4847	3350.4387	6547.001	518.966492

## 4848	3774.8171	7703.940	965.574158
## 4856	3475.3711	6703.228	1820.556274
## 4863	3345.2820	6437.000	869.364990
## 4870	3709.4053	7264.015	592.018982
## 4875	3423.7478	7428.228	1233.414795
## 4880	3752.7356	7341.302	782.062927
## 4881	3550.5479	6910.137	928.229248
## 4887	3598.6296	7210.326	1051.078613
## 4903	3541.7783	6990.541	834.382996
## 4907	3324.7676	6586.000	332.954376
## 4908	3425.0554	6815.834	374.253021
## 4909	3785.3833	7507.183	1152.744507
## 4920	3774.3420	7393.829	1435.401489
## 4947	3797.0100	7482.104	1479.513306
## 4954	3485.5039	7055.407	1009.210388
## 4958	3701.5300	7247.413	1278.055786
## 4959	3838.7271	7476.378	1867.063110
## 4963	3784.5986	7332.099	1741.117310
## 4967	3593.6270	6943.752	1400.287842
## 4981	3670.5015	6945.753	280.007843
## 4989	3605.3625	7177.175	580.938354
## 4992	3495.6924	6940.716	1442.209717
## 4997	3585.3103	7104.763	919.627991
## 5007	3743.7822	7030.832	832.876953
## 5016	3662.6960	7421.155	1395.690308
## 5019	3628.6118	7241.326	2596.948242
## 5025	3777.4468	7531.127	811.372986
## 5028	3635.7517	7232.000	1308.749878
## 5032	3489.6804	6949.268	2037.006714
## 5040	3398.1125	6808.335	1993.529785
## 5053	3259.5994	6686.540	778.929443
## 5061	3347.5220	6534.000	830.023865
## 5070	3700.1755	7333.871	2120.481689
## 5073	3786.9688	7422.161	1313.255249
## 5077	3454.5735	6980.557	1162.059570
## 5082	3323.4153	6475.000	733.475037
## 5085	3754.4082	7368.493	1375.612427
## 5086	3619.7356	7106.111	1604.303833
## 5087	3789.9578	7345.679	1921.020264
## 5092	3433.7979	6521.431	2026.489746
## 5095	3354.2700	6488.001	1110.384766
## 5096	3454.3503	6750.001	1015.974365
## 5098	3650.5017	7260.647	128.933945
## 5101	3694.0300	7398.076	1568.846436
## 5113	3914.3110	7553.393	1148.902832
## 5130	3521.2493	6859.288	1083.687012
## 5145	3883.3008	7499.845	832.503845
## 5147	3853.6484	7461.855	728.807373
## 5148	3384.6072	6509.615	541.736389
## 5149	3343.0508	6493.000	482.520508
## 5157	3823.7473	7425.496	2045.512695
## 5160	3772.3909	7488.259	629.294495
## 5161	3462.2361	6755.471	635.839172
## 5163	3494.4475	7405.139	907.943481

## 5172	3827.2761	7397.549	691.437134
## 5178	3654.2822	7504.829	618.706360
## 5179	3906.1592	7618.857	750.005432
## 5213	3357.5652	6434.001	1648.306152
## 5217	3342.7742	6463.001	887.965820
## 5218	3737.6104	7552.955	153.612656
## 5227	3574.4749	6914.747	1148.041382
## 5233	3284.2642	6596.000	142.062119
## 5238	3905.4626	7575.264	1209.368408
## 5242	3940.5837	7613.061	1073.835327
## 5243	3890.4214	7511.177	1071.533203
## 5244	3934.3682	7527.380	1190.833130
## 5246	3972.7656	7646.908	1560.412476
## 5250	3527.8713	7013.515	1102.324341
## 5251	3334.0728	6600.000	1070.572998
## 5260	3615.6963	6884.146	2075.601074
## 5261	3860.7549	7637.007	910.874329
## 5264	3503.0188	6826.473	591.474487
## 5265	3541.1082	6973.650	1112.078613
## 5267	3881.1077	7563.955	915.794067
## 5291	3362.1814	6784.378	1829.553467
## 5292	3126.7214	7320.240	1.223619
## 5313	3791.2422	7194.620	1101.436401
## 5320	3836.0327	7476.383	1054.484131
## 5321	3808.3599	7422.994	638.548645
## 5325	3733.3469	7211.071	1716.516846
## 5329	3889.2183	7502.225	2091.709961
## 5338	3880.1377	7617.280	1213.482666
## 5348	3627.8640	7109.616	656.577271
## 5350	3621.9302	7126.469	374.874084
## 5369	3800.2024	7545.032	685.568848
## 5370	3937.3398	7613.627	1409.094482
## 5381	3842.5679	7379.093	930.038391
## 5385	3842.9153	7469.767	1404.078003
## 5388	3867.8896	7512.243	883.558411
## 5390	3870.0884	7526.128	1207.430542
## 5391	3566.0420	7034.146	576.051208
## 5409	3513.3999	6938.573	528.447388
## 5424	3709.4590	7125.455	705.676147
## 5429	3432.6560	6541.964	765.401245
## 5431	3735.6716	7234.524	896.583191
## 5440	3898.8152	7378.187	959.403076
## 5441	3579.4856	6870.513	624.184204
## 5444	3782.8044	7242.207	900.557983
## 5446	3851.8713	7523.384	831.491699
## 5455	3313.3684	6668.270	277.631531
## 5463	3614.2898	7344.045	312.923248
## 5469	3463.3423	6651.668	756.227234
## 5475	3537.7927	6863.197	1769.263916
## 5476	3239.4814	6522.001	1041.498291
## 5477	3437.5369	6835.835	2099.327637
## 5481	3638.5227	7018.749	486.082794
## 5485	3817.3196	7426.012	1046.451538
## 5489	3425.5596	6617.969	1328.123901

## 5495	3729.1304	7109.166	1366.509399
## 5501	3653.4949	7146.939	1731.566162
## 5509	3782.3970	7370.373	1662.486084
## 5526	3691.8164	7034.617	1799.337280
## 5531	3428.3337	6753.449	1572.839233
## 5534	3791.1018	7526.399	1123.105957
## 5536	3470.0425	6639.167	3038.261230
## 5538	3544.9109	6961.874	1133.807739
## 5541	3547.8757	6915.541	2346.445312
## 5557	3962.1719	7638.117	1720.974487
## 5566	3779.4246	7237.824	1444.558350
## 5567	3960.8853	7574.675	1517.077393
## 5575	3781.0979	7171.233	1122.490234
## 5583	3574.9458	6736.538	1221.245483
## 5587	3391.5349	6794.828	169.800293
## 5588	3858.4792	7536.052	1538.163696
## 5593	3903.3984	7527.441	547.130493
## 5594	3730.0332	7376.318	1537.294312
## 5595	3694.9011	7547.037	624.147522
## 5604	3549.3716	7226.888	454.368958
## 5605	3294.7097	6622.000	513.249756
## 5611	3634.1250	7135.649	814.482178
## 5617	3873.7979	7612.286	1018.646545
## 5618	3782.1650	7473.696	1058.146118
## 5621	3519.5659	6855.714	1747.130615
## 5623	3833.4788	7457.146	1725.716797
## 5624	3428.0854	6658.929	1728.945312
## 5629	3950.4277	7615.632	1655.822876
## 5631	3951.1973	7523.909	1880.428223
## 5635	3956.8118	7598.189	1510.628784
## 5638	3951.3901	7577.405	1483.853516
## 5640	3926.6589	7637.034	1210.384521
## 5643	3940.6741	7537.527	1493.528687
## 5644	3937.5515	7591.017	1685.899658
## 5647	3787.0454	7330.313	1052.736694
## 5650	3819.4167	7380.693	963.164856
## 5652	3867.1611	7586.484	1429.047241
## 5654	3851.5688	7621.555	523.692505
## 5668	3444.6255	6695.000	198.719177
## 5677	3691.5728	7130.265	1448.627686
## 5680	3807.0735	7417.961	729.032959
## 5682	3857.8523	7523.740	1924.352417
## 5684	3865.3706	7485.212	856.988342
## 5687	3924.5640	7610.563	1242.285278
## 5690	3910.8669	7603.875	1307.447266
## 5700	3947.3564	7677.333	1094.942871
## 5704	3343.8381	6409.000	1324.488281
## 5707	3976.7000	7584.916	1592.197266
## 5714	3887.9668	7613.673	1283.111450
## 5720	3791.0542	7395.605	1976.839722
## 5723	3650.3093	7093.085	2187.677734
## 5724	3776.1968	7335.667	2265.630859
## 5730	3485.0242	6757.031	1501.736450
## 5735	3675.8948	7335.385	557.883240

## 5739	3738.8486	7387.501	1964.202026
## 5740	3810.1804	7487.122	2340.934082
## 5741	3849.8328	7536.790	1848.341187
## 5745	3465.4612	6836.719	2114.531494
## 5749	3342.8640	6595.999	2486.998291
## 5752	3342.3706	6635.578	1102.007812
## 5754	3706.8425	7311.884	1555.377441
## 5755	3459.5840	6825.001	730.861389
## 5762	3754.9788	7245.150	1708.136841
## 5763	3351.8669	6462.999	1173.505249
## 5769	3486.0708	6759.679	2154.313232
## 5775	3766.5210	7254.545	1680.836914
## 5784	3617.7505	6940.854	1382.059082
## 5786	3676.3872	6954.256	1419.785767
## 5791	3434.3972	6593.751	1008.299561
## 5796	3772.5725	7225.374	380.838470
## 5803	3511.9871	6707.031	1433.517822
## 5805	3570.8699	6769.446	1545.087769
## 5806	3583.7842	6844.080	1188.518555
## 5808	3522.9458	6813.973	1165.810059
## 5814	3481.2986	6732.260	1024.884888
## 5815	3517.5239	6778.030	1265.319336
## 5819	3689.3096	7088.236	1380.544067
## 5820	3363.8994	6455.000	1338.088623
## 5822	3673.6226	7083.675	1012.298218
## 5825	3721.4536	7215.677	1179.979736
## 5831	3967.6440	7634.322	1685.410400
## 5832	3347.5684	6467.001	1679.140991
## 5838	3683.9468	6943.368	1696.327026
## 5841	3967.0085	7531.089	1739.073853
## 5842	3964.2576	7586.438	1660.733887
## 5847	3974.3376	7625.315	1691.158203
## 5848	3905.7878	7435.131	1350.079712
## 5850	3953.7532	7615.524	1663.022217
## 5851	3973.6082	7595.973	1619.960083
## 5852	3976.6306	7577.765	1583.046021
## 5863	3881.3723	7486.182	1587.712646
## 5869	3367.7007	6400.000	1263.350342
## 5872	3958.8840	7587.701	1551.179199
## 5875	3864.0168	7397.741	1221.543701
## 5876	3953.4026	7615.695	1620.182007
## 5879	3971.7122	7604.735	1751.253418
## 5883	3932.0454	7502.195	1362.935059
## 5888	3923.0913	7597.155	1421.577026
## 5893	3995.9419	7544.037	1693.249512
## 5898	3962.9478	7659.956	1251.296753
## 5901	3921.0444	7464.504	1482.349976
## 5907	3880.0732	7584.088	1253.206543
## 5915	3433.9395	6774.138	929.680115
## 5918	3338.5425	6589.001	524.641235
## 5921	3828.5579	7509.722	1514.690918
## 5923	3573.9270	6709.210	170.992432
## 5930	3508.0857	6850.002	781.067993
## 5944	3496.0076	6799.267	309.004730

## 5958	3343.7485	6325.000	710.785889
## 5972	3595.2603	6703.845	611.726074
## 5976	3613.6431	7007.737	1256.087891
## 5988	3865.8655	7530.503	286.585846
## 5991	3699.4048	7118.056	464.550568
## 5993	3340.5359	6468.001	330.470520
## 5995	3351.3738	6484.002	406.526611
## 5996	3604.5981	7000.582	343.837982
## 6000	3645.9773	7284.765	330.552948
## 6001	3406.6833	6630.357	543.437134
## 6009	3468.2512	6874.267	740.884644
## 6011	3639.1399	7423.378	160.289200
## 6023	3333.0354	6440.000	1499.827637
## 6033	3955.3528	7500.751	1640.377441
## 6039	3968.7346	7664.784	1770.921631
## 6043	3835.2710	7349.279	1147.230347
## 6051	3966.0056	7609.613	1691.150879
## 6053	3981.9109	7550.712	1857.381592
## 6061	3899.5234	7460.112	1242.780884
## 6063	3946.4492	7620.110	1587.450439
## 6078	3939.9314	7565.031	1722.871826
## 6083	3366.7012	6468.001	1768.890381
## 6094	3378.0610	7526.596	650.693970
## 6097	3370.9592	6157.000	467.412384
## 6098	3466.9658	6635.000	992.580750
## 6099	3342.4583	6453.000	351.048706
## 6102	3572.2083	7029.879	1162.791138
## 6103	3309.1118	6518.002	868.545349
## 6119	3544.0759	6820.396	347.087830
## 6125	3361.5137	6349.001	1462.042358
## 6128	3665.6721	7081.123	1431.704468
## 6129	3343.6870	6516.999	978.789917
## 6131	3612.9939	6895.735	1985.532104
## 6134	3360.2527	6401.002	1082.257935
## 6136	3537.7673	6873.571	1130.850220
## 6137	3634.1685	6981.667	762.628418
## 6151	3357.1494	6524.000	1784.050171
## 6154	3636.4824	7502.535	2171.054688
## 6156	2680.9229	6582.000	0.214658
## 6159	3464.0566	6914.286	254.784454
## 6167	3327.0337	6581.999	1018.553711
## 6170	3318.0032	6634.001	487.785797
## 6171	3545.8528	7108.333	579.265625
## 6192	3343.6877	6918.573	270.635620
## 6195	3458.3860	6934.461	679.158569
## 6196	3698.8086	7323.189	1074.809814
## 6202	3332.6082	6286.001	77.333397
## 6206	3353.9050	6516.002	323.958038
## 6211	3628.2671	7077.909	715.347046
## 6217	3816.5603	7286.081	1000.891846
## 6218	3430.9731	6570.693	943.956116
## 6224	3539.1836	6733.571	794.412659
## 6226	3772.0244	7340.002	1149.633911
## 6229	3804.6340	7600.725	820.089905

## 6239	3466.2178	6814.395	1279.657715
## 6241	3774.6523	7510.100	1498.416382
## 6249	3478.6875	6798.438	1029.684692
## 6255	3283.7468	6612.000	762.147217
## 6257	3527.2361	7045.947	2010.777344
## 6259	3593.0608	7027.501	1441.455566
## 6265	3712.9888	7340.872	1794.177979
## 6270	3375.9263	6518.269	1497.484253
## 6271	3517.1094	6858.090	1588.656128
## 6276	3795.4824	7115.876	726.990173
## 6278	3358.7156	6474.001	1144.965210
## 6286	3919.9175	7620.080	1778.482788
## 6296	3867.4338	7409.151	1347.095581
## 6298	3919.7556	7698.092	1179.604614
## 6303	3822.1074	7447.964	1652.247437
## 6304	3936.9575	7484.696	1731.464233
## 6305	3333.6870	6436.000	1538.316895
## 6306	3906.8530	7591.369	1735.131836
## 6312	3974.1443	7512.414	1527.780884
## 6313	3969.4590	7672.717	2244.932617
## 6318	3885.3149	7620.303	1511.885986
## 6319	3942.1670	7606.594	1276.490967
## 6323	3883.3462	7503.561	902.694580
## 6324	3591.7468	6933.928	1162.476440
## 6331	3932.0444	7491.837	1221.635254
## 6342	3580.8845	7236.205	914.043823
## 6346	3625.5000	7325.000	908.868469
## 6348	3071.6445	7301.171	400.745697
## 6349	3542.8618	6912.840	524.695312
## 6350	3780.5854	7345.178	555.146362
## 6354	3331.5991	6518.001	465.637817
## 6363	3373.2798	6540.386	254.026123
## 6364	3618.4363	7023.255	329.361420
## 6371	3563.6846	6900.002	1974.704346
## 6374	3494.1099	6744.854	622.415833
## 6380	3900.7219	7598.083	1007.115601
## 6381	3837.5510	7412.254	1138.442993
## 6387	3375.6165	6625.002	754.760925
## 6393	3793.8262	7509.917	466.656158
## 6394	3785.0750	7335.836	915.441528
## 6396	3798.0266	7333.841	1870.539917
## 6397	3799.9204	7287.653	1471.186523
## 6402	3550.0400	7051.251	454.595825
## 6403	3588.4778	7016.875	728.153564
## 6404	3326.5811	6575.001	659.733398
## 6406	3603.8416	7111.364	661.914673
## 6408	3527.7009	6965.542	936.129089
## 6410	3751.4563	7527.473	814.065430
## 6413	3867.6096	7411.417	855.400452
## 6418	3601.0432	7310.001	526.455261
## 6424	1897.0076	7546.843	73.904564
## 6425	3936.7656	7631.229	1401.765503
## 6426	3385.5881	6518.270	1101.845703
## 6433	3604.3875	7110.001	933.201477

## 6435	3630.6157	7227.885	959.176331
## 6438	3694.4617	7019.339	1127.511719
## 6452	3513.8635	6750.759	879.226074
## 6461	3369.8750	6387.503	921.616516
## 6464	3758.4255	7553.441	1616.147339
## 6465	3770.3533	7540.716	1274.928345
## 6480	3330.1387	6537.001	1514.201294
## 6483	3774.5549	7061.396	577.132446
## 6491	3957.3787	7695.378	1020.227173
## 6495	3952.0483	7633.252	1699.995483
## 6499	3924.9097	7580.545	861.403137
## 6501	3917.4839	7586.297	1094.070068
## 6512	3628.1667	6834.522	1518.184082
## 6514	3550.0989	6758.335	1781.956055
## 6516	3774.8447	7127.634	1298.447998
## 6521	3566.9629	7335.661	1354.822144
## 6523	3676.0361	7489.635	1307.984619
## 6530	3838.0095	7524.396	834.748718
## 6531	3615.5769	7127.716	498.564270
## 6532	3489.3010	6846.095	531.447571
## 6533	3556.1819	7145.455	270.570831
## 6535	3777.0327	7453.643	595.393372
## 6539	3342.9653	6638.461	1140.352417
## 6545	3645.9392	7306.781	186.671295
## 6552	3860.4160	7508.333	719.894470
## 6557	3314.7107	6450.999	571.250549
## 6558	3701.2810	7345.589	711.296631
## 6559	3668.9907	7217.797	449.445312
## 6567	3731.2732	7413.890	465.921143
## 6570	3598.9619	7121.022	884.881104
## 6577	3530.6313	6909.287	1047.490723
## 6584	3390.9832	6477.778	864.582764
## 6587	3338.1589	6592.308	54.591419
## 6592	3800.8369	7423.546	596.060120
## 6596	3357.1699	6609.616	442.256653
## 6600	3625.6482	7157.979	896.491333
## 6607	3663.8901	7119.900	2169.144287
## 6608	3515.4238	6789.395	2542.726807
## 6615	3411.4026	6770.001	1655.621338
## 6620	3577.9995	6984.616	1154.111450
## 6625	3746.7178	7135.384	1374.010620
## 6626	3628.4150	7237.021	287.898743
## 6635	3751.4126	7203.930	668.903748
## 6639	3720.2429	7237.686	1045.471436
## 6659	3889.3049	7477.947	1408.802490
## 6664	3334.7236	6455.000	2437.394287
## 6673	3916.2417	7592.058	1135.087158
## 6708	3925.6926	7728.435	1293.099609
## 6715	3638.8018	7137.946	789.378357
## 6717	3823.2944	7347.641	964.267212
## 6723	3716.3257	7236.155	1230.277588
## 6732	3780.7202	7289.613	1575.154663
## 6733	3849.7527	7630.409	626.864807
## 6734	3690.2651	7296.429	759.899902

## 6738	3793.7341	7587.770	1158.790039
## 6746	3684.0161	7032.328	526.612854
## 6749	3764.6377	7135.070	803.908081
## 6754	3734.5547	7195.313	800.325806
## 6770	3347.0005	6725.893	473.650452
## 6775	3378.9736	6693.520	1322.968384
## 6776	3457.8420	6847.582	1311.888916
## 6779	3677.9546	7516.007	188.472610
## 6782	3861.3479	7457.791	873.607483
## 6786	3449.4812	6565.519	719.548340
## 6790	3668.3115	7156.366	141.458908
## 6798	3907.1934	7494.569	1578.213379
## 6802	3795.9624	7364.721	2052.864502
## 6805	3831.4436	7432.087	1813.472046
## 6808	3433.3015	6990.441	338.904388
## 6810	3834.4089	7443.854	1036.316284
## 6816	3894.0474	7511.037	1618.072998
## 6820	3663.1304	7258.183	1036.198853
## 6826	3579.3374	7074.375	1123.520630
## 6828	3338.3247	6599.000	1606.617554
## 6829	3752.3723	7440.331	1791.467041
## 6833	3465.7629	6808.067	1157.603271
## 6836	3342.0239	6334.000	932.118042
## 6842	3334.2554	6554.000	955.915344
## 6847	3737.8044	7235.713	1000.096252
## 6848	3504.2087	6952.028	202.379272
## 6850	3628.2703	7163.637	1100.032715
## 6861	3441.4341	6671.553	706.394653
## 6862	3546.8054	7025.001	657.944885
## 6867	3727.1863	7541.605	540.234558
## 6878	3863.3547	7646.680	721.301880
## 6880	3618.2490	7142.222	1311.119263
## 6883	3544.9629	6798.572	698.834534
## 6885	3853.5693	7282.522	1216.487915
## 6893	3906.7410	7522.468	1411.712524
## 6911	3342.8174	6524.001	809.142578
## 6916	3742.7158	7268.359	786.187073
## 6918	3706.8118	7140.911	991.065063
## 6925	3348.8762	6485.000	766.771179
## 6932	3769.2083	7471.752	380.996552
## 6934	3738.7952	7172.795	558.754028
## 6940	3331.0872	6497.001	1153.181519
## 6942	3353.0315	6418.000	1710.522339
## 6949	3562.5110	7217.936	937.428711
## 6951	3672.3354	7358.332	1243.861572
## 6953	3815.8618	7435.454	759.206360
## 6954	3863.2900	7521.678	716.987610
## 6955	3323.8586	6545.000	1301.240479
## 6963	3700.9597	7214.036	1381.511475
## 6964	3335.4680	6538.000	993.126953
## 6968	3524.4309	6899.306	548.130859
## 6972	3814.3975	7404.236	937.678528
## 6974	3516.9929	6773.781	448.996399
## 6976	3598.9368	6829.375	1493.900757

## 6986	3007.3625	6630.557	12.340180
## 6989	3762.6353	7338.194	2036.750244
## 6990	3358.1150	6490.000	1929.410034
## 6994	3810.3489	7355.726	1898.757690
## 6996	3853.4814	7485.228	2090.378906
## 6999	3634.1379	7168.367	1737.849976
## 7005	3864.9155	7648.775	1153.971069
## 7006	3434.1626	6896.429	1161.534424
## 7010	3985.6143	7519.892	1121.457397
## 7013	3858.5229	7304.463	933.208984
## 7018	3891.2061	7617.905	1340.556763
## 7032	3267.6479	6257.000	353.852722
## 7035	3607.7432	6743.086	916.184814
## 7038	3846.0530	7412.237	1496.913086
## 7040	3913.7517	7556.982	1774.947998
## 7044	3689.8442	7042.106	1551.248535
## 7049	3839.3694	7365.691	1669.015747
## 7052	957.7088	6433.001	0.003933
## 7058	3657.8420	7099.479	2245.837891
## 7060	3666.5830	7107.144	1687.704102
## 7064	3673.8088	7087.754	2646.301514
## 7079	3613.5823	7088.374	1080.623413
## 7087	3319.2642	6564.000	632.849243
## 7089	3818.2676	7566.149	495.078247
## 7091	3351.4851	6528.001	739.219727
## 7092	3411.6750	6699.106	784.917114
## 7098	3557.8850	6984.757	102.772926
## 7107	3871.6306	7595.033	628.784851
## 7114	3800.0930	7463.300	1613.730469
## 7120	3505.4233	6904.412	1212.682373
## 7124	3352.3872	6418.000	1359.440430
## 7125	3856.7769	7385.402	1048.591553
## 7130	3254.7380	7575.639	933.072388
## 7134	3989.4060	7412.129	1113.940186
## 7143	3823.4639	7453.647	1544.836670
## 7149	3729.5325	7104.546	1540.415527
## 7151	3836.9614	7422.493	1391.100830
## 7157	3720.9729	7524.273	686.180908
## 7163	3818.1516	6984.184	461.283569
## 7168	3807.4080	7015.668	1278.163818
## 7169	3687.8328	6767.710	2572.489990
## 7171	3821.4604	7396.635	1149.346680
## 7173	3388.9407	6765.180	1166.241455
## 7176	3367.7959	6664.423	1169.069946
## 7177	3336.5388	6618.001	1333.789795
## 7180	3327.5156	6572.000	1014.568359
## 7193	3813.5176	7546.074	1930.161011
## 7196	3637.4365	7469.539	403.705231
## 7198	3381.3972	6592.743	354.703796
## 7199	3742.2893	7610.355	1148.380493
## 7206	3532.2026	6797.859	410.537048
## 7212	3871.9797	7414.456	851.763123
## 7216	3589.6313	6986.875	561.621277
## 7218	3782.3604	7277.579	747.048035

## 7230	3734.3560	7368.751	811.882751
## 7234	3744.3540	7079.169	967.306763
## 7237	3781.8682	7173.170	1210.052734
## 7238	3654.7600	7005.802	602.685852
## 7239	3758.6848	7207.560	769.337891
## 7240	3759.1250	7254.345	476.973999
## 7244	3604.1624	6866.490	691.775635
## 7251	3364.7017	6453.999	2343.800293
## 7253	3932.1768	7518.351	2402.013184
## 7260	3519.2927	6771.214	1166.013550
## 7276	3542.1580	6895.271	239.872894
## 7284	3828.8748	7159.005	373.540283
## 7287	3282.4011	6388.000	267.471558
## 7294	3725.8408	7351.922	1164.757324
## 7300	3795.3164	7403.273	339.456207
## 7304	3783.7910	7189.210	21.417305
## 7308	3629.5312	7131.916	1293.025269
## 7312	3739.2598	7631.273	597.320801
## 7315	3598.1033	7038.417	1127.882202
## 7319	3550.1138	6953.847	271.617188
## 7330	3815.0557	7608.629	996.806091
## 7331	3906.5654	7707.405	819.933167
## 7344	3805.1453	7421.808	1232.826660
## 7345	3746.3257	7148.103	1346.571289
## 7349	3610.2544	7032.560	1503.562500
## 7352	3802.5564	7458.604	1765.405884
## 7353	3834.5896	7446.393	1470.419556
## 7354	3782.1003	7399.384	1553.660156
## 7355	3336.4307	6474.000	1417.726318
## 7359	3644.2734	6793.606	943.734070
## 7362	3829.0193	7148.864	900.558289
## 7363	3868.2659	7363.722	775.373840
## 7370	3480.2632	6725.001	1889.454346
## 7382	3958.9666	7540.669	1365.364258
## 7396	3868.8782	7523.570	151.024368
## 7398	3937.6956	7452.805	1583.194824
## 7423	3761.1128	7382.337	443.505127
## 7433	3228.1345	6647.659	416.408813
## 7435	3546.4104	6831.944	435.372711
## 7438	3595.8032	6853.751	739.417358
## 7446	3508.8557	6952.778	341.842987
## 7451	3578.0083	6961.251	232.567062
## 7452	3566.4272	7110.466	618.627869
## 7458	3856.3982	7323.664	640.363708
## 7461	3816.7778	7397.500	556.622986
## 7462	3644.1497	7241.003	1280.722168
## 7466	3884.4294	7480.423	972.520020
## 7477	3633.2852	7015.555	805.927673
## 7482	3548.7563	7008.152	183.601761
## 7485	3745.7012	7537.404	177.950348
## 7509	3595.5010	6855.770	2336.407471
## 7510	3773.6907	7348.667	1458.572388
## 7512	3588.4570	6910.256	1058.697632
## 7513	3347.4053	6479.000	1220.979736

## 7521	3523.3237	6884.286	1248.435669
## 7523	3352.6260	6481.999	1618.399292
## 7526	3679.2605	7210.786	2525.949463
## 7540	3830.6824	7489.639	992.015747
## 7542	3731.6309	7260.229	739.665161
## 7548	3353.2749	6427.000	1008.514465
## 7550	3608.9988	6989.536	883.675903
## 7566	3339.3865	6401.923	1374.660400
## 7569	3874.4143	7645.991	1384.326294
## 7571	3841.3203	7378.157	717.973450
## 7579	3960.8535	7570.745	1529.931396
## 7580	3966.8159	7665.686	1510.009644
## 7585	3747.9443	7148.363	613.268188
## 7589	3734.6313	6993.643	1067.672607
## 7591	3854.9558	7248.822	1026.071655
## 7597	3546.7852	6868.890	383.768707
## 7607	3516.1423	6655.470	1318.103516
## 7611	3362.8845	6479.000	607.273193
## 7623	3722.2612	7267.085	1093.548340
## 7630	3671.2354	7403.279	1261.373779
## 7640	3474.7292	7218.637	134.195450
## 7643	3308.1882	6406.000	63.620270
## 7647	3752.8796	7421.065	184.961975
## 7649	3858.0034	7373.423	651.237061
## 7651	3872.1157	7615.468	679.644897
## 7662	3660.1978	7241.912	1104.305054
## 7663	3221.0232	6354.000	38.085304
## 7664	3673.9666	7430.164	1139.448730
## 7673	3732.8425	7212.499	1607.338013
## 7677	3366.0447	6363.002	1144.307861
## 7680	3343.3899	6421.999	801.269348
## 7681	3726.0894	7209.273	974.402649
## 7689	3820.1914	7370.143	342.525848
## 7694	3886.5266	7428.941	625.899658
## 7695	3379.3074	6259.002	1603.237183
## 7701	3561.9941	6753.124	1183.628540
## 7705	3495.2004	6313.637	210.936111
## 7716	2336.0513	7032.560	472.545715
## 7718	3652.0430	7102.503	1243.780518
## 7719	3819.7454	7235.714	1596.013550
## 7725	3644.6882	6979.255	1523.192505
## 7735	3731.1128	7254.763	852.526733
## 7745	3865.7251	7432.865	1312.093018
## 7755	3236.5288	7115.854	391.853058
## 7756	3322.0430	6589.000	1164.860840
## 7757	3309.1475	6679.808	394.664062
## 7758	3377.0754	6762.931	184.938690
## 7765	3233.6084	6481.002	475.034210
## 7768	3717.9590	7312.122	789.192383
## 7770	3679.7271	7234.428	472.385742
## 7772	3742.9380	7189.844	912.752197
## 7773	3553.4534	6838.159	640.913513
## 7775	3623.4180	7036.934	594.526001
## 7778	3477.8811	6796.096	577.212585

## 7783	3681.4009	7203.241	543.589172
## 7789	3734.3552	7275.396	424.564667
## 7791	3576.5435	7054.269	340.715668
## 7793	3095.9019	7306.442	1.707089
## 7796	3518.0173	7024.391	178.999207
## 7804	3304.7175	6550.999	621.445068
## 7807	3433.8362	6569.828	473.416656
## 7814	3646.0203	6937.236	453.047821
## 7815	3503.1650	6519.698	1106.400635
## 7821	3416.6653	6654.465	576.144043
## 7823	3380.5947	6489.422	686.939636
## 7824	3329.6467	6472.001	167.004684
## 7832	3908.7847	7563.988	964.085388
## 7837	3854.0498	7599.565	581.324280
## 7840	3315.7812	6610.001	540.534668
## 7841	3408.3496	6722.416	359.706055
## 7851	3748.7107	7339.043	522.776367
## 7858	3846.5259	7468.410	2185.181885
## 7859	3779.1960	7293.404	2013.914917
## 7862	3517.6943	6765.152	1873.799072
## 7869	3645.5027	7219.908	2034.680664
## 7883	3691.3352	7276.176	1068.075806
## 7892	3222.6726	6651.000	127.703545
## 7895	3321.3684	6431.000	1246.135742
## 7900	3481.8103	6802.207	1381.172607
## 7904	3848.0410	7506.866	1675.322876
## 7910	3219.2336	6505.000	1593.495972
## 7920	3189.7600	6431.001	854.861816
## 7924	3319.1189	6227.000	857.716980
## 7926	3784.8906	7271.581	1513.717773
## 7927	3674.4739	7128.785	1025.957642
## 7939	3363.2437	6344.999	1205.618774
## 7940	3443.2100	6438.394	2216.874023
## 7942	3376.1892	6288.001	1688.195312
## 7953	2110.6777	6422.002	585.820496
## 7955	3442.9009	6440.518	356.179443
## 7956	3371.2073	6306.000	1135.708984
## 7957	3367.8975	6315.000	718.864929
## 7959	3758.9553	7040.481	1903.430908
## 7961	3462.0723	6413.793	2079.677246
## 7962	3973.8406	7527.165	1594.118652
## 7972	3302.6902	6559.259	1148.714966
## 7973	3324.0361	6427.000	873.272766
## 7974	3350.3870	6431.000	1362.910522
## 7980	3884.3308	7481.508	2195.621338
## 7985	3760.4487	7194.320	1774.887329
## 8000	3772.2515	7199.645	2124.536133
## 8002	3352.3337	6355.000	1749.318970
## 8004	3349.1655	6468.001	1352.428711
## 8005	3521.4253	6758.088	1449.218872
## 8006	3865.8330	7441.777	2072.623047
## 8007	3857.7695	7436.363	1957.024048
## 8015	3661.7988	6967.858	1650.291626
## 8016	3822.5215	7346.792	1413.549072

## 8021	3244.0396	6411.000	1394.504395
## 8023	3355.9504	6400.001	1237.748413
## 8028	3785.9919	7264.487	1380.143066
## 8039	3365.1562	6308.000	2359.064209
## 8045	3374.8713	6297.001	2246.296875
## 8053	3372.9934	6283.000	1380.268433
## 8055	3429.0342	6362.963	1964.001587
## 8056	3379.6941	6296.001	2271.713379
## 8058	3761.2742	7023.811	1241.429199
## 8059	3747.8979	7032.917	1859.384399
## 8066	3870.1919	7598.455	1283.419556
## 8073	3462.6072	6653.679	966.521179
## 8075	3360.7542	6377.885	729.261292
## 8076	3391.9944	6428.704	1234.731201
## 8079	3860.1392	7581.227	1021.343018
## 8080	3891.4177	7595.183	1326.953735
## 8091	2947.4990	7617.748	662.446960
## 8093	3707.8403	7510.000	1279.282593
## 8099	3457.3853	6900.781	1075.827881
## 8108	3428.7957	6733.622	1362.067017
## 8117	3327.9683	6497.999	753.150757
## 8122	3586.1765	6989.635	1042.680176
## 8137	3503.3767	6869.852	1296.008789
## 8140	3348.1587	6557.000	1336.024658
## 8148	3354.8579	6602.887	1658.381958
## 8154	3545.6868	6995.108	772.119507
## 8165	3805.7444	7555.841	1228.745239
## 8172	3262.1174	6515.001	228.544189
## 8188	3179.0234	6834.483	7.652347
## 8196	3477.5930	6727.419	562.883057
## 8199	3447.0039	6712.932	709.896240
## 8212	3700.5769	7234.649	1206.094360
## 8218	3413.9827	6498.149	2688.837646
## 8219	3507.3865	6684.851	814.838013
## 8223	3869.7188	7317.825	1100.320557
## 8229	3357.1250	6409.000	957.733765
## 8230	3337.3650	6513.000	1476.700928
## 8233	3321.3035	6500.001	612.681335
## 8237	3975.5725	7439.692	2127.107178
## 8239	3910.6899	7409.601	1500.244629
## 8242	3658.6255	7125.344	1054.479858
## 8246	3811.3555	7540.049	1014.695679
## 8247	3956.5591	7597.192	1261.969238
## 8257	3883.6545	7371.329	1424.506592
## 8264	3361.2173	6374.000	1147.939209
## 8268	3850.6492	7360.812	1608.610107
## 8281	3506.3916	6886.031	574.592896
## 8282	3672.5034	7209.435	915.848755
## 8286	3336.4172	6556.001	1085.599609
## 8291	3672.1042	7199.179	305.913300
## 8293	3417.1377	6756.669	216.542496
## 8296	3330.2412	6520.001	284.682831
## 8297	3554.6016	7001.876	616.308899
## 8298	3584.8079	7116.280	373.354523

## 8303	3533.5645	6978.378	368.829895
## 8318	3390.0896	6862.904	796.403259
## 8319	3546.8926	7082.560	948.381836
## 8329	3784.6624	7409.878	1096.699463
## 8338	3290.9592	6159.000	150.092377
## 8342	3739.3928	7334.866	976.126343
## 8344	3283.9226	6494.001	432.736450
## 8345	3763.5857	7397.025	631.924866
## 8362	3256.0811	6624.000	551.055908
## 8364	3126.7976	6676.000	9.275747
## 8366	3779.7957	7499.733	1135.628540
## 8369	3745.5916	7526.411	1109.623291
## 8372	3753.9155	7609.331	866.641785
## 8373	3783.3569	7418.824	1044.847412
## 8374	3858.6514	7521.703	668.882080
## 8378	3331.4751	6567.001	534.720093
## 8388	3370.3164	7331.640	70.436821
## 8389	3775.4822	7582.667	705.820984
## 8393	3539.2610	6962.162	1352.878418
## 8395	3880.6277	7563.811	1004.744934
## 8399	3521.1160	6926.353	372.058075
## 8400	3404.4294	6597.323	274.067017
## 8406	3627.4343	7132.065	718.841248
## 8414	3413.0964	6675.001	832.639221
## 8425	3309.9517	6056.000	10.355119
## 8429	3363.1755	6446.001	629.316284
## 8438	3467.7046	6562.145	13.013170
## 8439	2763.8091	6314.000	2.495819
## 8442	3545.0176	6641.913	591.813354
## 8449	3287.8467	6513.000	103.766510
## 8451	3387.2388	6844.532	16.058863
## 8455	3528.2117	6721.323	2749.693604
## 8458	3603.2346	6952.977	1752.975342
## 8460	3373.0862	6708.572	882.053162
## 8473	3260.9946	6486.002	1366.338867
## 8474	3315.6616	6421.001	2929.021240
## 8482	3356.1975	6438.000	2042.141113
## 8486	3933.1443	7558.350	1385.135254
## 8488	3983.7666	7545.307	1174.170288
## 8491	3765.3772	7209.210	768.648987
## 8496	3441.8774	6643.965	1608.488037
## 8504	3645.2004	7335.713	739.433289
## 8509	3416.4685	6795.691	757.966003
## 8519	3862.2878	7702.109	952.329224
## 8521	3738.1418	7308.682	159.706543
## 8534	3694.5852	7124.536	779.758301
## 8536	3509.2307	7311.508	176.413589
## 8541	3615.9067	7079.653	244.752304
## 8546	3578.0317	7125.000	1029.484741
## 8547	3341.5107	6600.001	1621.566895
## 8551	3296.8806	6648.000	1241.840576
## 8565	3321.9756	6504.002	947.661316
## 8578	3803.4004	7549.513	631.289307
## 8587	3818.9336	7430.492	879.163818

## 8589	3809.6738	7311.414	654.601013
## 8592	3351.5562	6447.001	831.377319
## 8593	3586.1611	6958.931	595.605347
## 8599	3608.0640	7105.557	521.669128
## 8605	3879.4468	7545.732	1316.801758
## 8612	3430.2603	6991.848	1244.698608
## 8616	3838.7573	7376.681	748.465759
## 8617	3937.9814	7529.167	1014.439514
## 8621	3784.8445	7012.499	1424.066040
## 8633	3373.4229	6818.104	838.113464
## 8640	3356.4509	6374.000	1649.051392
## 8655	3826.3806	7522.529	1001.816895
## 8660	3498.9468	6771.972	1371.623413
## 8661	3710.9170	7177.155	1088.938477
## 8663	3876.6611	7506.525	1150.271118
## 8665	3339.8921	6455.000	680.250793
## 8668	3442.3123	6597.415	1363.761353
## 8676	3765.8645	7051.921	1063.245728
## 8681	3441.8218	6612.068	1573.121094
## 8689	3457.8008	6545.141	218.073746
## 8691	3598.0703	7141.666	207.158554
## 8701	3705.8354	7106.536	414.322479
## 8706	3586.9688	7204.082	1053.608643
## 8733	3768.6877	7201.104	1343.197632
## 8737	3564.6328	6966.446	608.196228
## 8740	3629.5649	7069.887	941.573181
## 8743	3445.2676	6850.736	1044.019287
## 8744	3354.4690	6753.335	817.660400
## 8747	3221.4092	6497.000	527.659668
## 8761	3505.0837	7514.948	386.449677
## 8762	3748.7278	7646.882	398.379028
## 8764	3351.1382	6517.000	392.289948
## 8771	3487.8335	6724.219	712.155701
## 8774	3590.2000	6983.751	797.326294
## 8782	3356.6172	6416.000	568.791992
## 8783	3441.5471	6666.380	409.055176
## 8786	3337.7917	6791.964	685.452087
## 8795	3355.2549	6451.000	483.862854
## 8797	3793.7761	7307.062	1127.355591
## 8799	3645.0120	7244.530	783.745544
## 8800	3132.1736	6492.243	302.242950
## 8820	3609.0374	7170.215	1080.686890
## 8823	3680.8174	7067.347	812.074890
## 8825	3642.5847	7076.112	793.612549
## 8828	3489.4805	6973.686	1097.267822
## 8830	3563.8313	7004.487	676.659668
## 8840	3491.5247	6646.875	1022.004517
## 8841	3739.8169	7138.334	1447.709717
## 8849	3446.3977	6696.554	617.283936
## 8850	3376.1326	6603.573	1060.671265
## 8852	3760.2412	7321.835	1296.914795
## 8859	3739.3701	7299.621	1549.221191
## 8865	3517.5654	6712.881	375.113739
## 8869	3870.8740	7562.669	1310.009277

## 8874	3831.0461	7596.824	1705.217773
## 8881	3868.9436	7381.045	1438.163818
## 8919	3864.1147	7685.667	1422.626953
## 8942	3753.5728	7370.457	761.541565
## 8951	3359.4473	6625.000	1707.217041
## 8965	3911.4927	7564.933	1392.526245
## 8966	3173.9319	6590.000	751.150452
## 8968	3924.5371	7571.632	1798.273560
## 8969	3961.6453	7602.794	1694.536377
## 8971	3977.2844	7554.103	1486.231812
## 8979	3832.3704	7563.592	675.364258
## 8980	3956.9326	7616.281	1346.530029
## 8985	3775.2039	7398.100	1214.886597
## 8987	3749.5112	7421.912	1331.896851
## 8989	3684.1328	7348.958	1083.265381
## 8995	3808.3940	7363.357	1445.299683
## 8999	3775.0908	7384.093	1779.516724
## 9001	3747.5486	7426.193	1083.826416
## 9002	3779.3542	7427.631	1484.190552
## 9007	3720.2273	7472.001	250.041580
## 9009	2858.8877	7343.559	1890.026489
## 9018	3549.0942	6982.237	1502.911133
## 9021	3350.0125	6539.001	1580.346191
## 9024	3547.7817	6970.272	1366.485352
## 9037	3334.0415	6493.000	903.105408
## 9038	3793.5645	7389.707	1168.093262
## 9039	3570.5217	7317.498	483.767273
## 9047	3588.0012	6885.526	1098.053101
## 9048	3678.9307	7097.001	1254.086914
## 9051	3430.1985	6622.321	1054.374634
## 9052	3426.4277	6659.822	1035.972046
## 9054	3858.1797	7375.237	1753.760254
## 9058	3622.4929	6901.220	1413.800049
## 9060	3663.5959	7029.788	1021.989014
## 9066	3450.6892	6683.622	1384.432617
## 9068	3419.0635	6509.260	316.488861
## 9085	3549.7029	6770.000	1509.148438
## 9091	3392.8135	6510.580	1100.338867
## 9095	3561.6689	6892.568	951.801819
## 9097	3352.6697	6518.000	1064.120972
## 9099	3366.1519	5923.001	1278.606689
## 9106	3404.2747	6624.075	946.486572
## 9111	3752.4658	7390.626	1062.289795
## 9113	3298.8459	6635.000	389.049530
## 9115	3784.8340	7496.578	1171.679321
## 9116	3671.6489	7344.067	718.107056
## 9120	3677.2085	7357.628	649.227234
## 9128	3683.2751	7314.493	1467.894409
## 9142	3315.5745	6377.001	781.694702
## 9147	3839.3831	7439.950	1533.677612
## 9156	3682.4619	7257.578	571.657715
## 9170	3333.9380	6589.000	1170.277344
## 9180	3338.4451	6468.000	616.106323
## 9182	3349.9250	6491.000	716.243713

## 9191	3419.9202	6596.554	1363.098999
## 9192	3201.3191	6614.000	34.144318
## 9196	3831.6951	7592.296	1316.804199
## 9200	3675.3940	7445.001	275.050659
## 9205	3786.4412	7387.502	1026.015259
## 9211	3800.7412	7322.355	1608.903076
## 9213	3740.6741	7220.896	1259.132935
## 9214	3806.3120	7376.301	1065.657471
## 9215	3304.6331	6587.000	1525.622559
## 9216	3530.4143	7003.290	1491.031006
## 9219	3891.5034	7743.193	943.667419
## 9221	3685.6157	7377.160	723.849060
## 9230	3736.0771	7269.367	1856.432617
## 9231	3821.6731	7380.786	1620.003906
## 9239	3307.8970	6625.000	1322.572632
## 9252	3545.8557	7460.104	1559.640747
## 9255	3814.7708	7499.244	1653.354126
## 9262	3291.1289	6514.001	192.724564
## 9271	3457.6609	6754.999	1383.731934
## 9272	3692.5767	7285.776	1229.647949
## 9275	3351.5203	6546.000	1030.594116
## 9281	3455.7776	6672.581	1094.708496
## 9284	3460.7832	6772.582	1213.154297
## 9289	3680.1902	7150.501	1066.822021
## 9291	3730.4004	7193.219	1435.982910
## 9292	3433.2764	6641.964	1408.446899
## 9293	3438.1843	6582.144	941.046204
## 9294	3715.4639	7176.315	1147.416748
## 9302	3455.9478	6615.519	1290.372192
## 9306	3429.5667	6578.572	842.415283
## 9317	3731.6853	7131.900	760.310547
## 9319	3603.6194	7024.391	1776.950317
## 9320	3550.6594	6850.000	806.222778
## 9325	3837.8452	7456.187	1434.405640
## 9327	3479.5532	6712.099	1249.811523
## 9331	3661.5554	7077.045	955.950317
## 9335	3354.6748	6494.000	1135.495850
## 9338	3373.5627	6376.000	1460.468506
## 9345	3508.8726	6844.119	1170.687012
## 9354	3707.8616	7195.002	1178.712891
## 9362	3823.9587	7355.161	1659.934570
## 9367	3376.2104	6604.807	501.547546
## 9373	3672.4915	6958.173	301.786713
## 9380	3927.3354	7741.938	1034.478394
## 9381	3611.8401	7224.999	400.879242
## 9385	3303.6099	6587.000	784.379089
## 9390	3821.0173	7556.513	575.311768
## 9393	3646.3376	7088.638	741.555359
## 9403	3421.7244	6855.470	323.366119
## 9411	3677.5903	7307.089	464.572205
## 9418	3915.4604	7775.286	1132.142090
## 9420	3810.7102	7670.031	579.406006
## 9435	3762.0669	7526.373	1267.945923
## 9441	3597.7104	7525.759	2004.693481

## 9442	3835.4629	7511.181	2040.775391
## 9443	3604.5881	7158.334	805.583984
## 9444	3753.9795	7368.152	2160.532227
## 9447	3362.6274	6644.445	678.898071
## 9452	3511.2898	6942.361	479.666809
## 9453	3355.7253	6518.269	476.887146
## 9455	3678.9407	7296.310	946.451721
## 9458	3695.2524	7290.515	2151.421875
## 9459	3724.2073	7328.846	1650.802002
## 9461	3341.8826	6556.001	1919.269897
## 9468	3527.7021	6731.618	1354.941772
## 9469	3682.4536	7085.784	1515.352051
## 9471	3713.4985	7170.829	1112.294556
## 9482	3366.4058	6441.000	1371.688965
## 9484	3680.3604	7084.185	2067.792969
## 9485	3618.8174	6945.733	1569.270874
## 9490	3767.9851	7205.225	1380.091187
## 9492	3443.1125	6554.465	1226.629028
## 9501	3566.9502	6760.417	671.063843
## 9504	3512.3325	6689.844	351.092438
## 9514	3493.9326	6758.594	1385.346802
## 9517	3674.1106	7116.325	1635.463379
## 9529	3795.2119	7413.582	1625.756226
## 9531	3367.6462	6604.808	1039.827271
## 9532	3335.9233	6556.002	1236.260620
## 9536	3601.8865	6950.609	1187.191406
## 9538	3726.1492	7222.498	1195.572998
## 9539	3898.2434	7536.008	1526.782959
## 9541	3854.9570	7486.975	1495.558105
## 9546	3835.8582	7367.787	445.625946
## 9555	3731.5588	7249.604	509.002808
## 9556	3723.2612	7225.408	474.792206
## 9565	3464.8347	6758.872	869.722778
## 9575	3581.9634	6876.282	1041.135742
## 9578	3443.4260	6769.358	570.821472
## 9585	3621.1152	7097.281	1381.556641
## 9588	3484.0613	6716.408	1355.275146
## 9598	3321.2734	6416.001	1544.640747
## 9606	3523.2959	6926.318	1294.162598
## 9607	3364.6875	6649.166	1094.948730
## 9610	3338.0823	6440.002	1351.888550
## 9612	3565.0435	7026.043	1888.180054
## 9627	3857.7231	7521.406	1629.632935
## 9642	3368.0261	6694.445	702.096130
## 9648	3350.5952	6562.500	1452.819824
## 9651	3477.3557	6755.646	1361.912231
## 9653	3669.6685	7233.191	406.131622
## 9654	3676.3311	7320.768	404.483765
## 9656	3340.3726	6565.001	1978.474854
## 9658	3738.6479	7342.538	1682.079346
## 9661	3695.1533	7327.085	812.531433
## 9670	3666.3850	7082.501	1174.961182
## 9693	3753.2578	7151.209	1691.516724
## 9698	3734.5122	7103.017	1256.454346

## 9701	3570.0549	6751.391	715.789734
## 9703	3635.6306	7015.908	1076.210205
## 9704	3539.4709	6750.735	327.445618
## 9706	3849.0432	7378.219	1139.562744
## 9718	3729.4597	7224.152	1791.316772
## 9721	3397.3425	6629.631	1115.439209
## 9724	3501.2732	6718.752	1801.648926
## 9734	3773.1335	7151.767	1101.895142
## 9740	3358.9851	6518.001	1929.796753
## 9741	3353.5938	6521.000	982.788147
## 9742	3359.6138	6522.000	1283.344238
## 9744	3612.7224	6993.292	1402.509644
## 9756	3811.4192	7578.239	573.404968
## 9761	3661.7493	7232.894	231.060623
## 9767	3281.2490	6541.000	580.331543
## 9777	3768.3899	7361.115	1429.019531
## 9779	3798.7583	7351.946	1457.528809
## 9795	3708.3953	7353.291	1037.084473
## 9800	3673.3296	7203.572	915.604004
## 9802	3666.3562	7230.289	750.424500
## 9806	3716.8740	7395.454	453.641205
## 9813	3410.1970	7002.778	1029.845825
## 9820	3339.6282	6458.000	1510.104858
## 9823	3346.0352	6651.924	749.443298
## 9836	3700.9778	7276.667	1656.340454
## 9851	3823.8608	7455.046	1198.702759
## 9853	3616.1597	7303.225	1155.290527
## 9862	3432.0605	6608.038	1981.674683
## 9863	3458.1421	6637.933	1525.551880
## 9868	3752.8328	7147.581	1614.988037
## 9869	3367.1543	6474.001	1132.702637
## 9870	3368.8806	6446.000	1336.599609
## 9872	3378.1128	6371.001	1504.119263
## 9875	3613.3123	6935.367	829.015320
## 9876	3562.0789	6863.196	1293.407593
## 9879	3543.2002	6711.767	1023.232117
## 9882	3555.2544	6772.145	367.053802
## 9885	3484.2766	6733.872	1736.949951
## 9887	3677.2202	7031.633	582.959778
## 9908	3744.9062	7246.483	1061.108887
## 9913	3867.9924	7533.956	1525.005005
## 9924	3656.0598	7021.808	1432.716553
## 9931	3849.5559	7496.038	1489.976074
## 9955	3916.4158	7596.417	1472.029175
## 9961	3934.6885	7542.257	1302.152100
## 9967	3509.3237	6960.713	1592.016113
## 9970	3808.8745	7357.563	1644.561646
## 9980	3915.4990	7648.397	1949.674561
## 9981	3321.9072	6513.000	1149.067017
## 9986	3291.4631	6534.000	1035.672119
## 9987	3784.6658	7538.478	869.275024
## 9992	3859.2253	7568.911	1619.780396
## 10000	3954.3540	7678.695	1559.085571
## 10005	3604.8821	6812.196	1428.729248

## 10014	3912.6772	7565.105	1537.326416
## 10017	3932.3506	7594.168	1153.479126
## 10019	3927.7334	7589.126	1093.027954
## 10025	3969.8970	7487.755	1424.844360
## 10030	3892.0662	7456.535	1429.698730
## 10041	3963.7312	7507.768	1533.376831
## 10046	3964.6230	7526.671	1419.570435
## 10049	3859.3376	7521.020	947.624817
## 10051	3896.1882	7584.270	968.291687
## 10052	3958.1628	7515.413	1418.279053
## 10053	3909.4016	7537.261	1357.839111
## 10056	3850.0266	7602.154	1336.648926
## 10061	3909.4104	7433.979	1689.974121
## 10065	3928.6575	7499.452	1659.785889
## 10069	3911.3508	7536.862	1366.071533
## 10070	3442.3794	7065.341	260.840149
## 10073	3940.1035	7588.935	1398.349976
## 10082	3908.7295	7516.439	1233.875366
## 10093	3821.5493	7460.269	1353.862671
## 10094	3404.3052	6750.833	429.740692
## 10096	3433.6780	6557.760	357.996552
## 10097	3876.6626	7403.221	1317.206055
## 10110	3600.1013	7128.706	454.163574
## 10111	3777.4907	7329.276	1138.749634
## 10113	3684.0740	7202.586	1098.355957
## 10124	3639.5962	7177.465	956.814209
## 10135	3381.1072	6831.819	976.715332
## 10140	3907.6252	7640.749	1052.051758
## 10146	3730.2405	7247.859	1927.840942
## 10151	3429.4907	6932.813	1457.721924
## 10153	3345.3362	6591.000	2229.150146
## 10156	3474.3672	6828.907	1878.754761
## 10167	3433.3398	6765.518	797.184753
## 10168	3776.2744	7360.664	1741.763794
## 10171	3648.3525	7090.104	1050.745605
## 10176	3222.5161	6653.001	1007.220215
## 10179	3293.4358	6669.232	1077.828857
## 10189	3316.5383	6568.001	1402.881958
## 10192	3715.8743	7428.729	1509.842163
## 10193	3794.9175	7530.894	1130.625977
## 10195	3826.0115	7528.233	1343.856201
## 10209	3777.7886	7380.628	984.385864
## 10212	3826.6196	7690.000	1146.434692
## 10215	3544.9233	7065.627	501.354492
## 10222	3824.9143	7502.562	1236.643433
## 10229	3422.3127	6623.276	130.631454
## 10239	3333.2693	6466.000	676.950562
## 10248	3569.3984	7177.977	2752.788330
## 10260	3523.9580	6829.413	854.527954
## 10266	3330.0479	6399.001	909.634888
## 10267	3338.0442	6479.000	1294.510864
## 10269	3756.4609	7503.448	1133.665527
## 10278	3690.5151	7283.462	777.921448
## 10281	2873.9451	7321.668	363.233307

## 10289	3344.9641	6439.000	1493.638184
## 10293	3289.8311	6610.999	257.171143
## 10296	3317.4512	6604.002	671.280457
## 10302	3340.7070	6634.000	1965.105591
## 10305	3647.9172	7322.767	1314.833130
## 10331	3303.1101	6626.000	1102.442993
## 10333	3585.7559	7062.500	1109.989136
## 10335	3331.9219	6590.999	1088.559814
## 10340	3415.0840	6713.793	1163.576050
## 10342	3328.7979	6503.000	769.822205
## 10348	2975.3625	6939.866	342.585724
## 10359	3322.7678	6670.000	3718.720947
## 10363	3878.7378	7386.449	1577.421143
## 10364	3730.5933	7117.500	1005.892700
## 10375	3403.5337	6724.109	1480.782593
## 10380	3327.3469	6622.000	2598.052979
## 10383	3561.6306	7207.778	952.770813
## 10384	3285.2041	6641.001	827.420532
## 10392	3338.4946	6533.001	768.718018
## 10396	3521.5142	6904.862	1560.819702
## 10397	3424.4517	6637.500	739.838257
## 10404	3402.3936	6730.173	1067.272827
## 10407	3678.3965	7182.547	580.172241
## 10415	3222.3455	7148.913	864.808777
## 10420	3802.5188	7555.241	994.900085
## 10438	3355.5652	6458.000	844.056274
## 10450	3830.5266	7676.780	742.205200
## 10452	3794.0386	7513.044	452.146881
## 10456	3608.9014	7300.491	1379.124634
## 10459	3322.4153	6558.000	2389.341797
## 10462	3466.6831	6810.940	749.232361
## 10463	3565.8350	7039.104	1984.770020
## 10466	3349.0181	6558.000	1162.298828
## 10468	3449.1130	6708.333	801.393311
## 10469	3491.7410	6787.502	939.635376
## 10477	3627.3813	7008.889	909.169861
## 10478	3902.4265	7569.273	1277.815552
## 10488	3705.0906	7034.722	1313.041138
## 10490	3606.7930	6920.733	1098.442627
## 10497	3297.3906	6593.001	438.632355
## 10508	3443.4194	7035.295	785.410950
## 10510	3283.1616	6730.770	495.000732
## 10513	3707.8643	7445.222	1405.929321
## 10514	3498.6045	6955.716	887.334534
## 10515	3721.2576	7466.550	1141.175415
## 10520	3711.7654	7442.468	1839.938232
## 10527	3330.2319	6715.742	809.835205
## 10529	3822.1135	7587.081	1721.451050
## 10530	3405.0759	6747.416	1242.964966
## 10533	3705.9854	7223.810	1390.778076
## 10535	3307.6042	6735.346	1096.362061
## 10537	3437.2073	6908.110	849.049683
## 10541	3504.6199	6787.502	247.733368
## 10542	3804.2517	7491.668	907.070068

## 10544	3346.6821	7148.171	855.184326
## 10545	3458.1245	6726.428	375.706757
## 10553	3526.1301	6927.778	895.344360
## 10556	3837.0603	7442.622	1503.796753
## 10563	3485.6616	6954.732	27.243210
## 10567	3256.6445	6568.001	13.850437
## 10579	3572.8120	7190.216	1027.460205
## 10581	3733.0107	7612.888	887.337769
## 10586	3547.5107	7043.591	421.472168
## 10587	3578.8882	7150.582	672.694214
## 10589	3832.6990	7662.637	1250.590942
## 10596	3327.6797	6567.000	1460.067139
## 10599	3327.6809	6609.001	1130.451050
## 10605	3651.3806	6928.261	1184.186523
## 10607	3808.0938	7416.595	1124.845825
## 10620	3653.4429	7353.018	1259.752075
## 10621	3561.2847	7193.334	1077.586182
## 10622	3752.1812	7558.776	1056.948364
## 10623	3288.8469	6642.000	1210.557129
## 10624	3300.5652	6620.000	1120.469604
## 10625	3772.5015	7582.377	1286.568481
## 10626	3657.2756	7302.271	1412.521729
## 10636	3431.5593	7064.189	957.732727
## 10638	3337.5752	6818.104	421.633057
## 10644	3613.1577	7117.224	1778.537964
## 10669	3569.3391	7084.756	1154.399902
## 10671	3679.6296	7268.750	845.079468
## 10673	3480.2361	6933.089	1429.654175
## 10684	3700.3516	7349.604	1696.540771
## 10687	3474.9077	6865.911	376.767395
## 10688	3515.0527	6962.501	847.305054
## 10694	3681.3542	7127.314	676.426941
## 10699	3771.8228	7530.638	828.647705
## 10703	3691.4006	7393.939	1314.744507
## 10704	3401.7483	7175.000	629.064819
## 10715	3702.8987	7498.051	1058.703735
## 10720	3686.9556	7315.517	1237.633179
## 10730	3611.9131	7021.738	1074.068115
## 10739	3652.3242	7015.425	869.149597
## 10743	3427.7051	6939.000	87.250053
## 10744	3172.2766	6609.091	47.159481
## 10750	3744.8408	7292.208	142.725418
## 10757	3334.6157	6529.312	163.596802
## 10773	3402.5869	6930.471	582.840210
## 10774	3610.6494	7340.949	1054.122559
## 10790	3682.8269	7524.600	702.981506
## 10794	3852.8311	7551.750	549.492859
## 10803	3331.3848	6556.000	991.090515
## 10804	3535.9495	7012.500	463.035645
## 10807	2478.6687	6941.670	4.548728
## 10809	3379.1716	7348.146	6.607798
## 10815	3376.5828	6557.692	472.586761
## 10819	3609.3193	7131.396	1629.652344
## 10823	3356.2817	6549.001	3037.418213

## 10825	3160.0999	6181.034	1.068151
## 10826	2848.6108	6413.000	15.123390
## 10831	3459.4897	7008.721	291.219971
## 10834	3809.2920	7430.908	1004.531372
## 10846	3254.3647	6663.000	223.381439
## 10855	3328.2363	6554.000	838.334900
## 10859	3358.4343	6505.000	582.952942
## 10868	3601.2483	7098.256	929.815857
## 10876	3428.7148	6697.500	312.654480
## 10878	3448.0515	6782.259	311.175293
## 10889	3584.6021	6877.632	606.568481
## 10890	3433.8042	6553.572	299.693970
## 10893	3714.1704	7339.773	466.054993
## 10911	3520.7095	7151.190	1802.116821
## 10925	3676.5234	7130.094	1334.693359
## 10943	3831.5823	7584.870	1436.870361
## 10946	3903.0374	7428.163	1296.480713
## 10947	3376.7500	6269.000	584.269470
## 10948	3676.9497	6823.404	1034.764404
## 10949	3910.1052	7496.245	1234.284180
## 10953	3893.5452	7569.672	1531.533936
## 10955	3902.1792	7543.172	1584.135742
## 10959	3474.5620	6525.001	1786.414795
## 10963	3859.0537	7489.083	921.150452
## 10969	3899.7612	7427.402	1494.332275
## 10972	3834.6028	7314.247	896.703430
## 10985	3883.7295	7220.441	1075.939575
## 10989	3646.0134	6935.639	966.854248
## 10997	3826.5688	7540.707	596.862671
## 10998	3818.4004	7493.748	1335.794678
## 11000	3821.0723	7494.999	921.055725
## 11010	3550.1873	6784.029	703.689575
## 11015	3633.0164	7097.274	602.545349
## 11016	3737.9612	7253.667	783.503357
## 11017	3741.6924	7378.411	726.109497
## 11018	3735.5178	7405.155	865.609802
## 11020	3793.6890	7487.500	890.532471
## 11023	3771.8687	7628.770	193.999649
## 11028	3304.9424	6513.000	781.000732
## 11031	3348.9612	6450.000	1546.424316
## 11035	3314.2905	6493.999	844.511841
## 11037	3565.8809	6954.167	485.322388
## 11042	3696.7856	7164.034	1337.625244
## 11044	3697.3362	7092.129	2197.453369
## 11048	3467.0530	6690.833	2534.548340
## 11052	3602.1919	6928.660	1763.898682
## 11054	3550.2173	6743.573	2361.140869
## 11063	3681.7197	7281.355	1291.399536
## 11068	3954.6370	7625.545	1672.990845
## 11069	3942.2285	7623.250	1577.679199
## 11083	3158.7266	6476.001	2.128927
## 11085	3865.5083	7539.982	1135.244019
## 11086	3474.0217	6637.123	988.604126
## 11087	3354.0896	6331.000	1217.005859

## 11093	3956.8025	7525.302	1596.446777
## 11095	3819.2986	7293.029	1458.584717
## 11100	3321.2568	6418.001	1399.453857
## 11103	3337.1680	6377.000	1090.834106
## 11107	3913.8342	7486.504	1428.228271
## 11119	3363.9519	6318.002	1648.944824
## 11121	3941.1270	7563.150	1469.375854
## 11125	3884.3718	7363.534	1486.560303
## 11129	3939.8926	7583.297	1289.167358
## 11136	3363.7939	6355.000	1933.611450
## 11137	3946.0803	7535.192	1354.820923
## 11141	3958.5183	7572.994	1415.433716
## 11169	3358.8911	6433.000	1508.748779
## 11174	3478.1997	6710.940	1203.045654
## 11179	3410.4036	6551.785	1008.870605
## 11180	3338.4048	6454.000	1173.363037
## 11185	3339.2427	7171.483	149.321335
## 11197	3466.1309	7314.656	180.104767
## 11199	3217.4592	6794.829	799.551147
## 11211	3550.4363	6856.946	1181.295654
## 11214	3641.2942	7474.375	918.969543
## 11215	3863.5193	7519.285	1738.437500
## 11221	3694.2080	7434.658	741.712585
## 11223	3735.0881	7581.591	588.389465
## 11224	3635.6355	7045.312	1309.910522
## 11229	3965.1511	7438.692	1095.783325
## 11235	3695.0449	7447.159	794.669617
## 11246	3848.5540	7528.646	1230.167847
## 11257	3915.0146	7562.403	1421.143799
## 11262	3974.1978	7477.375	1415.464966
## 11266	3960.9839	7482.869	1637.130615
## 11268	3927.1643	7506.840	1494.852051
## 11269	3910.8555	7565.057	1083.729492
## 11273	3790.4773	7163.720	1345.106079
## 11276	3822.2722	7361.261	1145.635010
## 11277	3726.3293	7355.250	664.308228
## 11281	3921.8296	7528.105	1157.366577
## 11282	3909.2153	7581.427	1325.746704
## 11290	3425.4282	6705.000	1298.038452
## 11294	2849.8247	6996.876	277.771881
## 11301	3339.4321	6475.001	498.581085
## 11305	3396.7563	6650.000	628.910522
## 11310	3405.7947	6566.667	1330.598633
## 11316	3795.1990	7349.087	2030.566650
## 11318	3884.8660	7698.631	1969.515015
## 11321	3349.0127	6554.001	1127.882202
## 11334	2519.6401	6796.667	5.030763
## 11349	3779.0051	7393.072	2023.344238
## 11368	3599.4604	7182.066	659.953979
## 11370	3606.6169	7184.574	1261.117188
## 11384	3358.3564	6374.000	465.590576
## 11395	3808.2188	7484.241	1089.356689
## 11396	3336.5103	6583.000	1299.484741
## 11408	3365.0210	6783.928	1771.934204

## 11422	3511.0908	6855.148	873.560974
## 11425	3555.5659	7097.561	403.696289
## 11426	3345.7673	6502.002	423.094666
## 11431	3543.3408	7087.805	961.166321
## 11432	3703.1646	7245.493	1555.832397
## 11434	3378.6150	6587.038	856.038391
## 11440	3350.4524	6609.000	3284.135986
## 11444	3882.9067	7366.413	1522.574707
## 11445	3836.5469	7302.895	2046.931030
## 11446	3355.7397	6415.000	1083.982544
## 11447	3888.2236	7436.894	1583.448242
## 11449	3738.7781	7080.000	1702.322510
## 11454	3374.4470	6242.308	801.810364
## 11461	3430.2061	6544.168	1397.295898
## 11468	3467.7341	6921.325	1827.349731
## 11475	3354.1863	6494.000	919.822388
## 11480	3673.7725	7167.500	1136.443359
## 11490	3498.3679	6857.434	512.407776
## 11492	3721.7075	7270.076	802.211975
## 11495	3511.0837	6882.640	866.436707
## 11498	3799.7078	7604.027	994.477173
## 11499	3835.8098	7622.329	969.686340
## 11500	3567.2542	7068.902	387.397003
## 11504	3368.7043	6972.502	1282.047241
## 11505	3358.0693	6286.000	584.236572
## 11506	3583.7568	6762.821	425.821655
## 11507	3470.4651	6395.000	206.364700
## 11508	3320.9470	6482.001	1145.488037
## 11509	3391.3020	6454.808	1545.300659
## 11522	3403.6045	6637.500	689.206055
## 11523	3774.7131	7575.172	1046.920044
## 11528	3644.9802	7663.879	535.714478
## 11540	3654.1406	6933.333	1023.941162
## 11546	3965.5605	7568.188	1012.385498
## 11547	3509.6692	6778.789	212.223297
## 11548	3384.7231	6501.924	318.085541
## 11558	3554.1226	6828.474	1220.673462
## 11560	3353.0942	6433.000	901.253113
## 11567	3826.8599	7303.935	1401.724609
## 11571	3793.3918	7408.736	1052.808960
## 11578	3306.7446	6549.000	808.778381
## 11580	3354.5327	6811.208	1456.197998
## 11581	3770.8005	7346.152	1866.570801
## 11592	3602.8179	7015.341	376.861877
## 11594	3300.2708	6499.999	897.281494
## 11595	3565.2480	7002.440	737.836914
## 11609	3374.7200	6961.539	588.566833
## 11644	3925.0195	7741.353	949.409973
## 11645	3861.9968	7553.507	1020.584656
## 11648	3267.9858	6685.000	451.489014
## 11656	3823.1719	7483.334	1312.310547
## 11659	3590.4329	7129.347	807.867004
## 11664	3329.0974	6551.001	1130.956055
## 11665	3344.4390	6577.002	2632.823730

## 11692	3179.8831	6354.000	333.998077
## 11699	3601.3054	7099.539	764.770142
## 11701	3078.8948	7198.612	10.992950
## 11706	3895.3062	7447.538	1374.321411
## 11707	3899.6667	7546.810	1546.816772
## 11728	3715.1870	7043.858	1182.667603
## 11729	3755.5859	7171.016	635.181213
## 11732	3909.1675	7539.892	1539.475830
## 11733	3931.3911	7573.884	1295.541992
## 11734	3534.3997	6846.666	826.449402
## 11742	3837.0500	7453.274	1388.230469
## 11750	3944.0076	7570.795	1591.629150
## 11755	3872.7227	7353.593	1434.925781
## 11761	3925.7561	7597.180	1361.371948
## 11764	3937.3411	7538.591	1529.698730
## 11767	3551.1790	7002.660	1179.651978
## 11778	3577.3147	7057.317	2099.618896
## 11786	2750.4419	7074.434	55.979652
## 11796	3582.9204	6900.001	195.572052
## 11797	3522.8259	6928.332	1338.648193
## 11798	3349.9062	6344.000	999.552917
## 11802	3425.5320	6685.345	296.146301
## 11806	3348.0918	6583.001	1199.745117
## 11807	3472.4023	6753.334	1734.934448
## 11815	3354.3145	6545.000	928.279236
## 11829	3332.5442	6937.499	182.428925
## 11833	3694.2161	7268.650	268.012329
## 11838	3412.8955	6811.720	736.862793
## 11844	3538.5173	6941.218	963.985168
## 11845	3318.2583	6554.001	772.846191
## 11848	3372.7302	6542.309	520.015381
## 11849	3372.0657	6681.250	684.032532
## 11853	3439.5591	6711.207	735.238464
## 11856	3632.6204	7302.153	187.747482
## 11857	3501.4202	6737.881	249.145569
## 11863	3604.8215	6750.626	285.530457
## 11872	3354.5737	6787.932	795.973694
## 11874	3436.5383	6805.834	581.284485
## 11876	3810.4084	7515.954	1145.481567
## 11889	3352.8999	6510.000	314.177185
## 11895	3592.7986	7060.366	1192.658325
## 11897	3532.9832	6976.316	691.665222
## 11905	3838.0964	7548.458	1412.151367
## 11907	3630.8306	7003.410	956.688538
## 11924	3805.3408	7510.577	452.091125
## 11936	3854.3960	7618.477	632.276672
## 11938	3838.0815	7586.535	1124.928101
## 11939	3027.6882	6926.354	482.736725
## 11941	3682.7451	7211.161	660.082092
## 11947	3497.0515	6732.032	714.577087
## 11951	3727.3762	7098.243	662.698486
## 11954	3770.8928	7183.823	794.562378
## 11958	3524.2480	7124.570	31.895182
## 11961	3553.0476	6727.858	1124.867798

## 11962	3376.1284	6398.001	1185.263794
## 11970	3439.5850	6894.854	227.889008
## 11973	3298.3787	6453.001	413.941833
## 11975	3364.5295	6480.999	1469.461304
## 11994	3423.7563	6609.999	377.214478
## 12003	3562.8079	6906.758	1485.227539
## 12007	3433.5371	6861.110	1020.078857
## 12009	3458.6921	6600.833	375.416260
## 12021	3139.5752	6649.002	9.062160
## 12026	3731.0342	7305.555	509.784912
## 12032	3824.6111	7469.736	1067.407471
## 12034	3571.4792	7172.673	1605.155762
## 12043	3725.7480	7393.311	877.563110
## 12045	3337.2100	6387.000	336.016388
## 12060	3302.9429	6394.001	256.603149
## 12066	3725.0579	7449.013	1423.830688
## 12070	3418.5330	6697.414	1257.975952
## 12073	3449.4587	6860.157	412.007660
## 12074	3320.3789	6638.463	449.053772
## 12076	3395.0149	6661.607	1219.356445
## 12078	3703.2166	7362.501	1549.125610
## 12079	3673.4507	7156.020	1180.670410
## 12080	3747.7822	7447.975	1205.593140
## 12083	3799.4746	7377.326	1053.199463
## 12086	3898.4224	7566.506	1280.957397
## 12088	3291.6399	6622.999	150.047394
## 12089	1479.6772	6860.487	37.431576
## 12090	3300.6187	7092.913	1836.511841
## 12092	3591.9670	6911.905	2103.386719
## 12103	3716.8376	7449.317	1054.452271
## 12106	3792.1108	7596.622	1068.009766
## 12111	3600.1270	7018.023	3245.441650
## 12115	3766.5430	7547.398	1212.804443
## 12123	3351.2175	6505.001	2709.520264
## 12124	3337.1340	6625.000	1402.569214
## 12128	3331.8213	6485.001	1385.000366
## 12131	3470.5422	6631.453	1598.512207
## 12137	3309.3765	6623.000	422.272369
## 12143	3398.9890	6559.260	2023.373901
## 12144	3588.5068	7044.645	1193.609131
## 12157	3347.0598	6426.922	337.893341
## 12159	3619.5974	6934.886	2625.895508
## 12160	3355.2673	6556.732	673.765442
## 12163	3398.9685	6582.409	1708.694336
## 12164	3341.3025	6462.000	1809.932251
## 12179	3829.5938	7099.140	1481.243896
## 12190	3560.0347	6775.640	1711.911255
## 12194	3563.5247	7052.223	2244.536865
## 12195	3558.4265	7439.130	1712.863037
## 12220	3937.9600	7621.921	1290.491699
## 12224	3831.9968	7475.002	1162.390747
## 12225	3876.7070	7442.355	1604.967163
## 12233	3715.8274	7399.299	2111.183594
## 12235	3375.7471	6587.962	1182.195312

## 12244	3744.5974	7319.048	1660.217529
## 12247	3519.5928	6930.232	1469.540771
## 12249	3433.4971	6533.332	1253.373779
## 12253	3520.0525	6874.288	1632.084229
## 12254	3344.7778	6515.000	1145.942505
## 12261	3422.7036	6803.788	1330.725830
## 12263	3647.0540	6934.896	2429.870117
## 12264	3497.5645	6841.667	1402.227539
## 12271	3903.4106	7646.588	1826.026855
## 12280	3716.9053	7403.425	653.083618
## 12287	3317.1406	6416.001	244.867081
## 12301	3483.0156	7516.319	657.529236
## 12302	3495.1826	7379.167	487.836517
## 12329	3887.9702	7587.963	968.705261
## 12332	3763.7034	7601.837	1852.787476
## 12335	3473.9016	6988.889	669.461609
## 12340	3919.5769	7545.343	1420.702148
## 12345	3927.8889	7634.467	1205.141724
## 12347	3933.3086	7611.979	1338.115723
## 12361	3867.8301	7637.686	545.241821
## 12363	3715.1577	7396.181	560.558838
## 12373	3833.5977	7666.719	321.223663
## 12378	3337.8289	6545.000	522.566956
## 12385	3640.6479	7229.500	1111.358398
## 12397	3376.7102	7060.812	307.190125
## 12402	3569.4976	7031.250	692.405823
## 12410	3514.6689	7075.660	810.523926
## 12411	3469.2898	6940.910	843.464478
## 12412	3683.4143	7364.169	1842.369385
## 12413	3699.5566	7340.724	2124.146240
## 12423	3652.3074	7043.500	402.689392
## 12434	3764.0642	7301.043	2092.398682
## 12437	3675.5190	7034.376	2165.384277
## 12439	3619.9246	7041.280	1721.622803
## 12443	3840.5486	7241.838	1000.168274
## 12450	3897.4014	7686.662	1682.523804
## 12455	3716.2493	7665.670	1100.255493
## 12465	3416.8694	6800.833	990.392151
## 12477	3702.8813	7200.001	1737.935059
## 12483	3342.1943	6566.001	2204.257080
## 12501	3911.5271	7574.124	899.655884
## 12503	3652.7239	7077.129	1323.552002
## 12509	3694.6719	7394.316	1159.385254
## 12513	3782.2976	7695.004	1532.770264
## 12521	3683.9321	7389.113	2138.987061
## 12523	3682.5181	7418.847	2091.125000
## 12531	3672.7932	7258.184	836.418396
## 12534	3518.4053	6940.000	1449.721069
## 12538	3865.9788	7403.007	1291.288940
## 12543	3773.0281	7165.277	770.419922
## 12560	3533.5264	7424.611	2145.233887
## 12564	3100.2769	6813.793	91.664375
## 12570	3476.7849	7069.739	1292.628784
## 12573	3637.0168	7362.932	1448.142456

## 12578	3801.3262	7516.906	2064.389160
## 12580	3654.2241	7322.323	1391.671021
## 12582	3595.4011	7285.000	1203.111694
## 12587	3286.8533	6639.999	1054.122314
## 12591	3334.1277	6584.001	1472.445923
## 12598	3393.3440	6669.644	486.472260
## 12609	3635.9912	7124.469	890.864807
## 12617	3583.6206	7088.692	725.729370
## 12626	3834.6201	7595.230	1101.983521
## 12634	3331.1172	6484.000	148.212036
## 12636	3474.6565	6703.908	374.599548
## 12640	3590.5505	6946.251	965.878662
## 12650	3308.6086	7230.303	730.101624
## 12653	3384.0244	6925.000	1022.497070
## 12654	3542.4016	7396.667	339.946564
## 12658	3709.0354	7195.981	1040.226196
## 12659	3356.0020	6499.000	605.295654
## 12666	3859.4329	7629.878	1097.652466
## 12669	3673.1616	7387.301	1474.382690
## 12681	3830.5642	7403.828	1277.894409
## 12682	3935.4502	7583.524	1905.700806
## 12690	3798.2124	7468.681	2118.492432
## 12700	3768.7036	7701.609	1036.006836
## 12701	3205.9438	6622.000	1067.786255
## 12708	3562.7439	6825.002	1603.682739
## 12709	3730.2566	7272.349	1326.643555
## 12711	3509.9468	6819.119	829.473633
## 12715	3863.3813	7497.902	1201.549927
## 12719	3696.3728	7244.544	1238.985596
## 12726	3600.3394	7124.421	1289.491211
## 12727	3687.1484	7304.825	1024.731445
## 12729	3323.0051	6605.000	437.170441
## 12743	3319.3533	6592.000	1744.812134
## 12748	3483.9014	6873.485	357.299530
## 12750	3410.3188	7429.437	570.766418
## 12759	3694.6902	7393.462	1091.123657
## 12761	3723.1104	7331.924	1112.777100
## 12763	3711.7422	7279.033	920.659119
## 12777	3443.1484	7204.445	73.347618
## 12778	3126.0288	6585.000	1023.229919
## 12779	3575.8726	6995.628	1067.305176
## 12785	3767.9607	7254.863	917.095215
## 12787	3831.2190	7325.001	1266.458618
## 12794	3874.0620	7689.576	1330.273560
## 12795	3891.3274	7646.641	1981.616333
## 12797	3327.6323	6546.000	1046.574829
## 12798	3415.9556	6658.930	1690.235107
## 12808	3543.7214	7491.117	1742.520996
## 12810	3249.4253	6674.074	244.060745
## 12819	3366.5488	6636.111	1011.806519
## 12824	3784.8052	7529.305	828.040649
## 12827	3310.9758	6467.001	528.976562
## 12840	3730.7793	7320.833	1329.133667
## 12841	3347.0256	6668.521	1768.361816

## 12846	3524.7827	6921.623	1373.379028
## 12850	3785.6997	7499.552	1324.651978
## 12852	3866.3293	7553.807	2291.800293
## 12853	3768.9478	7514.796	1048.353149
## 12856	3379.7764	6802.501	336.076813
## 12860	3700.1401	7428.767	949.323059
## 12861	3684.1729	7201.974	1227.456665
## 12873	3827.9600	7205.659	555.860901
## 12876	3353.4294	6525.000	439.698669
## 12881	2900.1357	6112.000	707.130615
## 12882	3307.4429	6614.000	2114.290771
## 12883	3330.3938	6575.001	1140.448975
## 12887	3471.4573	6973.531	2452.826660
## 12893	3401.2729	7335.508	1364.514526
## 12895	3483.6802	6753.905	489.583069
## 12900	3325.2812	6548.001	928.976562
## 12904	3327.6299	6495.001	505.916565
## 12908	3355.0439	6565.000	1610.792236
## 12912	3317.7024	6877.085	1092.502075
## 12924	3337.1782	6588.000	1022.802856
## 12925	3378.3838	6752.778	3902.096924
## 12926	3550.4131	7172.620	1390.005737
## 12928	3640.4023	6999.445	1429.192871
## 12947	3452.8494	6820.162	1445.071045
## 12950	3450.8645	6708.333	1403.786255
## 12954	3775.2849	7451.454	684.498230
## 12958	3346.6438	6549.000	714.081909
## 12970	3293.1003	6595.372	1009.213013
## 12971	3287.8047	6513.000	730.421448
## 12973	3426.7622	6720.690	577.280457
## 12982	3424.1934	6812.503	867.066040
## 12984	3609.2964	7181.522	492.898560
## 12986	3687.9104	7284.323	1099.574951
## 12995	3420.4919	6495.371	1106.661987
## 13006	3875.8110	7478.877	967.934387
## 13008	3854.4016	7353.206	1278.390259
## 13018	3312.6978	6433.000	773.671997
## 13022	3478.4937	6964.583	903.886169
## 13025	3620.8230	7061.958	531.847717
## 13039	3339.6262	6740.741	817.369507
## 13048	3362.3423	6798.275	609.014771
## 13057	3427.4463	6667.857	3429.557129
## 13059	3879.5022	7639.285	677.437073
## 13061	3356.5525	6358.000	1716.914673
## 13068	3844.1602	7340.778	1541.934082
## 13070	3965.3511	7586.752	1463.135742
## 13073	3936.1377	7668.564	841.401184
## 13075	3842.6458	7435.417	1157.502075
## 13084	3940.8726	7509.546	1623.940796
## 13087	3915.8147	7613.553	1172.168579
## 13093	3844.2979	7569.170	909.217712
## 13095	3872.5481	7515.942	1464.305298
## 13101	3774.5181	7328.667	2362.276123
## 13106	3636.8806	7076.631	2071.762695

## 13109	3365.7910	6703.706	2884.975342
## 13117	3805.5835	7486.363	2264.288086
## 13119	3601.8374	7097.223	756.787415
## 13120	3720.6902	7370.890	566.767944
## 13123	3362.3872	6651.852	1658.093750
## 13127	3541.8662	6962.839	2124.094971
## 13130	3341.5090	6554.001	1914.672974
## 13137	3351.1355	6491.000	1553.673218
## 13139	3751.3796	7245.896	1379.108154
## 13141	3789.5298	7356.175	1015.343262
## 13144	3458.7373	6939.707	459.106934
## 13151	3688.8435	7105.000	2233.504639
## 13153	3733.3435	7194.917	1735.150391
## 13156	3722.8218	7171.490	1387.378174
## 13159	3751.7283	7148.388	1492.468994
## 13161	3627.1460	6763.416	1875.182983
## 13165	3781.2166	7273.289	1126.693848
## 13169	3463.1145	6551.725	833.368835
## 13170	3414.4395	6514.816	761.514832
## 13173	3769.1609	7244.032	687.411926
## 13174	3748.6218	7177.018	1062.277710
## 13176	3329.0823	6502.999	593.384399
## 13187	3826.8875	7446.535	1161.323242
## 13193	3674.1733	7055.612	1341.000854
## 13195	3390.4546	6528.846	1166.770508
## 13196	3697.2400	7045.589	1526.536011
## 13202	3720.8838	6855.084	932.548462
## 13203	3502.0564	6396.809	558.335022
## 13210	3574.9697	7217.000	327.007324
## 13212	3629.9185	7147.917	1505.818726
## 13216	3882.2458	7440.953	1449.093140
## 13221	3378.4214	6392.000	1920.503540
## 13222	3625.7183	7033.673	77.812912
## 13225	3837.6021	7450.223	1712.291016
## 13233	3788.7700	7458.253	1264.415771
## 13236	3940.5408	7654.788	1545.380249
## 13242	3444.6150	6657.760	2131.354248
## 13244	3319.2354	6426.000	2035.512939
## 13248	3821.6003	7467.078	1738.377563
## 13252	3332.9390	6426.000	1416.494263
## 13253	3932.1641	7490.594	1686.740479
## 13257	3925.4465	7560.768	1673.017944
## 13263	3896.9324	7601.676	1367.917480
## 13272	3953.8511	7567.325	1345.999634
## 13276	3869.0151	7449.178	1483.788208
## 13281	3392.0732	6379.628	844.078003
## 13284	3934.4099	7646.000	1525.075317
## 13285	3673.9089	7296.380	617.669434
## 13286	3430.0842	6554.312	1729.340088
## 13292	3957.3054	7598.726	1325.250488
## 13293	3880.5813	7435.429	1606.343262
## 13295	3955.7925	7567.897	1517.233398
## 13309	3941.1748	7510.748	1305.137817
## 13314	3679.3181	7028.705	995.828918

## 13315	3830.8533	7443.750	964.362610
## 13320	3811.4907	7486.376	804.722656
## 13326	3962.0986	7619.751	1683.841064
## 13330	3934.9539	7509.717	905.898376
## 13341	3598.5515	7025.595	1405.147827
## 13348	3816.6414	7481.314	2108.498535
## 13349	3825.4146	7523.985	1352.613892
## 13356	3495.5571	6836.366	1046.862671
## 13362	3688.6162	7338.115	665.646118
## 13367	3348.0530	6447.000	1285.201538
## 13369	3799.8938	7307.012	1564.774414
## 13374	3441.0813	6841.130	527.794373
## 13377	3488.2297	6755.647	1513.004028
## 13380	3712.0569	7179.091	1215.982422
## 13387	3719.4495	7214.035	984.243713
## 13388	3858.0107	7378.848	1521.146851
## 13390	3746.2432	7205.242	1201.762207
## 13398	3373.6414	6419.000	1043.475708
## 13405	3749.8762	7168.953	675.792847
## 13408	3545.1802	6848.610	725.955688
## 13411	3510.7837	6655.468	1374.308838
## 13414	3569.2915	6929.607	1300.858032
## 13417	3647.7170	7067.022	1165.010986
## 13421	3483.8706	6687.098	1604.258911
## 13427	3363.3342	6459.000	1067.210938
## 13430	3749.3408	7332.691	1706.863403
## 13435	3808.3887	7501.515	2245.749268
## 13444	3330.4951	6588.000	1499.345093
## 13445	3536.8928	6986.488	1554.658081
## 13454	3346.2441	6531.000	1049.661133
## 13457	3755.7788	7218.283	1507.885498
## 13460	3742.1196	7248.882	859.527710
## 13462	3343.3169	6524.000	855.881531
## 13464	3306.2395	6952.778	861.043091
## 13465	3349.1663	6559.000	1940.325439
## 13472	3531.7327	6841.177	1420.083130
## 13474	3830.8298	7432.674	1133.821167
## 13486	3676.2197	7103.500	965.047729
## 13488	3723.3469	7195.340	1088.590942
## 13489	3667.0994	6530.852	1355.282959
## 13494	3785.2104	7433.887	1121.744141
## 13496	3765.9326	7401.473	1313.088623
## 13497	3804.7559	7492.035	1131.477051
## 13499	3849.5657	7486.365	1251.047729
## 13501	3786.9666	7610.977	1463.406616
## 13503	3759.9011	7459.342	1502.040771
## 13513	3577.1299	6919.873	404.875153
## 13520	3836.0081	7603.125	813.622742
## 13521	3904.1750	7670.365	452.785767
## 13524	3865.4062	7656.923	1213.003784
## 13527	3779.8579	7441.398	1047.348755
## 13529	3421.7734	6650.000	2077.660889
## 13531	3802.6492	7429.837	1534.586548
## 13535	3867.5049	7588.245	1498.881592

## 13538	3363.6543	6544.829	1677.752441
## 13544	3309.3604	6556.001	2072.541260
## 13552	3443.5396	6834.376	373.356110
## 13554	3308.3171	6511.000	266.555634
## 13561	3713.3257	7302.052	1413.789307
## 13563	3452.5198	6773.335	1580.115723
## 13565	3720.1658	7365.770	898.322754
## 13570	3355.4189	6444.001	1439.677124
## 13573	3473.6824	6672.582	1246.977539
## 13577	3721.4963	7262.084	1254.016846
## 13581	3683.6362	7143.501	1364.306274
## 13582	3766.9812	7243.562	1842.692871
## 13585	3436.9348	6602.680	2012.830200
## 13590	3683.5117	7063.269	1139.597900
## 13597	3365.1326	6477.001	751.979858
## 13601	3421.3801	6486.112	1327.022583
## 13602	3840.8628	7312.233	1285.841064
## 13608	3361.6138	6509.000	1078.903931
## 13610	3505.3359	6710.157	541.689819
## 13614	3644.0247	6958.523	1570.981689
## 13619	3481.2212	6712.905	1593.751221
## 13621	3483.7039	6743.550	1150.987915
## 13628	3568.2263	6845.946	1323.408936
## 13633	3467.6807	6741.667	1111.765015
## 13636	3352.9341	6484.999	982.084961
## 13640	3875.6279	7499.831	1597.255005
## 13650	3749.0864	7367.124	2734.381836
## 13651	3558.3809	7041.027	651.389954
## 13654	3349.7432	6505.000	1352.931396
## 13662	3451.8921	6844.355	1462.731689
## 13671	3774.1472	7438.825	1364.551880
## 13673	3473.2759	6724.194	1329.336060
## 13676	3467.9473	6713.711	1117.986206
## 13680	3346.1174	7029.605	276.904419
## 13682	3750.4214	7311.741	1370.085571
## 13684	3438.3494	6587.501	1713.823975
## 13688	3361.8191	6500.000	932.307678
## 13697	3378.2085	6363.001	1468.253174
## 13700	3409.0671	6586.113	1309.427856
## 13701	3405.7190	6555.556	530.224731
## 13719	3491.7751	6781.251	1383.283203
## 13723	3661.6643	7091.326	1195.696167
## 13724	3375.1306	6584.615	1171.412109
## 13727	3360.7065	6513.001	1540.065063
## 13733	3445.6360	6617.242	1209.645508
## 13737	3640.4778	7180.909	1657.323486
## 13741	3271.6455	6666.379	28.982128
## 13742	3663.1233	7022.170	1269.906738
## 13747	3314.8433	6475.001	662.398132
## 13751	3823.0398	7454.544	856.442688
## 13755	3906.0527	7543.792	1509.764526
## 13757	3755.1794	7286.876	1199.817139
## 13759	3705.9336	7230.954	931.193909
## 13766	3764.2815	7272.571	1600.168579

## 13774	3317.1460	6500.000	1526.947510
## 13782	3399.9646	6817.743	384.697357
## 13784	3691.2585	7281.466	1606.130737
## 13787	3347.1094	6527.000	2039.566650
## 13790	3309.5742	6603.000	597.060913
## 13793	3424.6440	6875.807	906.169189
## 13806	3723.9790	7207.018	1225.743530
## 13809	3743.9187	7222.580	1486.092773
## 13810	3681.6023	7069.898	1459.559448
## 13811	3619.2114	6940.856	1821.813477
## 13815	3786.4480	7260.959	1307.925049
## 13830	3500.9043	6744.532	841.370850
## 13832	3567.1663	6827.779	452.849335
## 13834	3641.9082	7002.841	1385.144043
## 13837	3841.0659	7399.008	1466.352783
## 13839	3518.4309	6633.593	1356.890137
## 13840	3513.3557	6641.407	1577.039062
## 13841	3482.8494	6675.001	972.652039
## 13845	3373.5332	6573.076	2051.132568
## 13848	3562.4663	6943.422	955.631042
## 13852	3405.8101	6574.075	1246.227783
## 13860	3501.6306	6584.850	709.815491
## 13870	3355.1128	6482.999	1106.583252
## 13872	3360.1611	6513.000	1064.720825
## 13877	3815.9863	7417.471	1785.841919
## 13880	3836.8875	7450.000	1698.364502
## 13888	3498.4380	6850.757	1258.494629
## 13889	3307.1033	6609.000	555.188293
## 13892	3367.2061	6625.961	1815.211304
## 13899	3415.6184	6694.642	1837.021729
## 13901	3772.2739	7439.561	1680.984863
## 13902	3734.1367	7354.105	1484.841797
## 13903	3345.0317	6521.000	1216.887939
## 13913	3561.1738	6900.659	1008.184814
## 13916	3351.9929	6501.001	1144.188477
## 13917	3428.3447	6705.175	1046.441650
## 13918	3477.3557	6814.845	867.051270
## 13931	3372.1545	6481.001	716.047424
## 13937	3776.4167	7143.658	1502.193970
## 13942	3375.4426	6389.001	1383.001587
## 13947	3581.9336	6906.581	1110.452026
## 13959	3677.6333	7150.000	1431.464844
## 13966	3345.2795	6480.999	929.717346
## 13971	3537.5854	6917.144	1874.888306
## 13982	3881.4968	7502.953	1258.130859
## 13988	3841.4653	7434.960	1492.120972
## 13989	3956.4673	7618.231	1103.039307
## 13997	3748.8264	7403.735	629.084290
## 14002	3681.5630	7213.560	1042.847534
## 14012	3869.1453	7536.821	1398.672607
## 14022	3790.7053	7458.688	903.260864
## 14038	3464.4265	7068.605	208.023758
## 14046	3899.6541	7674.698	1294.188843
## 14055	3894.8438	7637.392	1650.993164

## 14057	3864.9138	7492.221	1512.376831
## 14059	3811.9614	7526.426	1032.464355
## 14064	3828.6455	7586.403	1651.641113
## 14070	3532.1665	6909.868	1572.470337
## 14073	3835.6306	7628.592	1420.782593
## 14077	3733.6753	7288.806	357.596832
## 14079	3885.7539	7663.162	1099.780396
## 14080	3897.2983	7619.532	634.019470
## 14081	3834.8357	7531.498	918.065125
## 14083	3772.1411	7500.538	748.722046
## 14084	3766.8601	7427.084	1709.674927
## 14085	3414.6741	6613.394	2355.845703
## 14090	3822.8872	7439.182	1920.504272
## 14094	3734.1294	7272.192	1640.259155
## 14097	3855.2310	7699.316	822.607971
## 14100	3880.3308	7639.714	1325.966553
## 14101	3759.2529	7253.738	1171.546143
## 14108	3858.5769	7650.729	1213.602417
## 14132	3339.6799	6666.347	617.501709
## 14137	3675.5300	7275.432	1276.535156
## 14142	3740.3953	7254.851	973.671021
## 14146	3221.6172	6544.231	762.250488
## 14161	3319.5852	6509.001	821.963196
## 14172	3252.5725	6480.001	229.433090
## 14173	3392.6362	7342.027	1001.796997
## 14182	3711.7241	7366.988	1278.300293
## 14185	3794.6943	7221.794	1963.503418
## 14191	3823.8794	7470.356	797.030396
## 14196	3862.3589	7579.827	1202.135132
## 14202	3589.8401	7123.560	1121.902100
## 14205	3733.2744	7342.073	464.116333
## 14206	3678.3584	7252.652	857.503479
## 14210	3738.1765	7438.887	3519.836914
## 14224	3875.7620	7574.387	1107.683594
## 14225	3773.5437	7319.304	728.072632
## 14228	3646.0852	7326.561	448.519196
## 14229	3907.6265	7680.909	781.542236
## 14231	3346.7646	6519.001	1129.108276
## 14236	3803.7427	7566.213	1038.868286
## 14248	3731.9043	7349.632	1814.418945
## 14257	3743.0332	7333.974	933.245667
## 14258	3660.7112	7197.170	2293.570312
## 14260	3412.8726	6742.242	761.866943
## 14263	3786.9814	7283.236	1311.458130
## 14264	3774.0989	7284.296	1211.468018
## 14266	3781.4905	7502.344	1496.713989
## 14272	3638.8223	7305.882	639.010498
## 14278	3311.2634	6501.000	1289.088867
## 14279	3703.2485	7234.275	1038.064331
## 14286	3451.1189	6725.809	1289.219971
## 14287	3336.5925	6486.001	1084.709595
## 14292	3742.3706	7345.071	1449.248779
## 14299	3526.3230	6864.288	1564.130981
## 14308	3802.7556	7502.020	1714.203735

## 14316	3493.0103	6853.789	1593.900391
## 14319	3529.9612	6956.944	1134.095459
## 14320	3368.2954	6586.537	943.564209
## 14321	3320.6355	6572.000	1234.762329
## 14331	3348.0498	6470.000	955.356873
## 14335	3508.9795	6860.297	917.898010
## 14337	3412.0535	6849.194	445.857483
## 14343	3758.1899	7262.120	1372.457520
## 14346	3426.4443	6629.465	897.554199
## 14349	3367.5774	6470.000	1229.040039
## 14358	3351.4448	6457.000	613.156616
## 14359	3440.7065	6525.000	1195.007202
## 14369	3368.5737	6440.001	564.753113
## 14373	3563.3442	6790.972	1231.250122
## 14381	3479.1074	6775.001	770.066833
## 14382	3469.0435	6724.194	741.859680
## 14386	3378.6719	6538.463	1113.310547
## 14389	3592.8667	6828.949	1600.920654
## 14399	3360.3564	6472.001	1276.701660
## 14400	3350.4604	6458.000	318.377197
## 14403	3591.1968	6872.501	934.488525
## 14404	3847.4775	7389.823	1602.481079
## 14409	3911.6582	7549.026	1296.409668
## 14412	3837.3833	7414.076	1374.929932
## 14414	3865.2668	7419.399	1935.072388
## 14420	3777.0820	7602.094	1369.694092
## 14425	3763.3748	7381.252	1117.212769
## 14426	3793.1125	7403.125	1576.514526
## 14436	3424.6008	7017.105	895.206360
## 14437	3201.3408	6240.000	386.633392
## 14438	3886.1040	7652.074	1067.888428
## 14441	3893.0205	7685.685	930.638123
## 14450	3374.9026	6233.000	658.725769
## 14454	3679.5391	7201.250	2006.932861
## 14455	3785.6160	7424.999	2119.169189
## 14459	3631.0757	7210.186	976.878357
## 14468	3762.1101	7585.436	1134.758301
## 14470	3312.9399	6423.000	690.818237
## 14472	3873.9673	7559.679	1753.306396
## 14476	3772.7585	7330.221	2047.069580
## 14486	3776.2278	7421.506	1997.021729
## 14487	3752.9583	7518.137	1251.882690
## 14489	3802.6108	7389.719	1190.697754
## 14490	3783.8586	7583.128	1492.780273
## 14503	3814.0649	7530.436	837.924072
## 14504	3854.6873	7536.978	1851.489136
## 14510	3838.0969	7492.718	2222.510742
## 14516	3801.4026	7441.397	1794.527588
## 14524	3607.7288	7107.143	528.589050
## 14528	3660.9209	7093.397	1610.616333
## 14530	3768.9124	7389.948	1876.615479
## 14534	3696.3635	7296.529	1096.718140
## 14535	3877.1426	7695.042	1259.235718
## 14545	3496.0884	6864.286	208.099670

## 14549	3747.6121	7361.304	1043.476807
## 14550	3737.5105	7286.741	1385.028076
## 14556	3688.6960	7177.829	501.649597
## 14558	3498.0640	7034.757	870.985901
## 14564	3892.0239	7541.890	1154.569092
## 14567	3740.2197	7282.537	1479.896240
## 14577	3895.9536	7535.091	1705.452148
## 14584	3705.4260	7354.944	1010.994324
## 14592	3704.7771	7258.730	1840.857300
## 14594	3844.5583	7467.802	1927.164307
## 14604	3771.3669	7363.666	1772.100464
## 14615	3940.2803	7760.415	3544.192871
## 14618	3697.2717	7297.763	844.660095
## 14623	3890.9329	7651.020	1890.707153
## 14630	3522.9636	6797.144	722.497009
## 14636	3777.7739	7354.269	638.123535
## 14637	3783.9856	7306.625	877.539673
## 14639	3336.1086	6547.000	775.568359
## 14640	3221.3364	6445.000	119.458015
## 14649	3700.8140	7173.304	1297.966553
## 14654	3386.2688	7111.048	6.932889
## 14655	3371.0793	6731.036	1570.390503
## 14666	3304.5095	6525.000	397.229370
## 14673	3386.2043	6687.037	1023.521423
## 14674	3334.2644	6568.000	1474.433472
## 14680	3589.7773	7017.777	1435.691895
## 14681	3506.7654	6601.471	389.997375
## 14694	3580.9819	6876.218	684.453430
## 14704	3690.1594	7414.230	2614.695557
## 14707	3507.4634	6772.061	1511.032349
## 14709	3297.5120	6500.000	292.028687
## 14710	3479.3271	7025.675	1608.304321
## 14714	3325.0649	6564.001	1568.219116
## 14717	2828.4568	6793.333	481.274048
## 14718	3567.2654	7046.250	1438.819824
## 14719	3589.4395	7021.250	1195.443115
## 14728	3860.0820	7475.595	1481.725342
## 14729	3643.2295	7079.791	1596.404053
## 14732	3292.7109	6476.001	868.662659
## 14733	3743.3120	7257.568	1719.366455
## 14734	3726.7571	7266.538	1504.169556
## 14736	3774.2744	7539.628	1038.218994
## 14738	3556.7449	6962.839	1002.113342
## 14742	3649.4956	7204.502	1213.888550
## 14744	3603.7156	6965.245	1111.621948
## 14748	3878.7947	7602.761	1012.413696
## 14752	3338.6050	7256.522	729.427490
## 14762	3411.9617	6713.394	1433.228027
## 14764	3315.9377	6556.000	755.343811
## 14775	3354.9834	6370.000	786.529297
## 14785	3671.6401	7312.947	1073.742310
## 14786	3597.9292	7121.111	1218.059204
## 14795	3783.0588	7391.882	1471.041260
## 14808	3314.8767	6657.000	1739.195801

## 14811	3364.4343	6263.888	18.826887
## 14813	3439.2527	6626.785	857.942871
## 14817	3368.1987	6412.000	641.450562
## 14821	3472.1628	6862.768	14.015515
## 14826	3546.0762	6751.471	1616.492188
## 14834	3457.7278	6856.251	573.191772
## 14839	3520.7249	6783.091	1093.795166
## 14855	3559.9226	7030.000	1620.979614
## 14873	3746.6016	7352.818	1036.203247
## 14876	3784.7285	7331.252	1025.911865
## 14881	3530.7437	7105.000	1203.802002
## 14884	3561.1978	7216.306	2191.840332
## 14895	3801.0090	7535.216	1083.366699
## 14896	3332.6382	6577.000	522.045349
## 14897	3774.2373	7541.725	1178.150024
## 14902	3506.4902	6852.027	914.301819
## 14908	3608.1040	7151.112	1473.260498
## 14913	3922.1006	7450.626	1477.084595
## 14914	3898.5210	7429.717	1611.920288
## 14915	3875.5181	7407.251	1299.315430
## 14922	3605.6135	7122.778	1136.485229
## 14930	3580.2141	7647.294	515.747009
## 14937	3363.0347	6476.000	3043.282471
## 14940	3826.2637	7557.779	1711.374268
## 14944	3250.3538	6509.000	939.222534
## 14948	3648.3267	7344.482	1454.184082
## 14955	3408.4263	6542.594	2387.925537
## 14963	3490.9443	6917.647	1359.108276
## 14974	3714.6926	7233.079	1571.696167
## 14996	3704.3862	7270.572	588.424316
## 14997	3836.0476	7524.139	1845.369995
## 14998	3828.5889	7662.613	1303.499023
## 15000	3666.9395	7183.655	1102.659546
## 15002	3797.3057	7522.749	1541.192383
## 15004	3324.7529	6493.000	1517.847412
## 15006	3757.8213	7407.052	1367.164307
## 15007	3704.8569	7328.076	1050.080200
## 15010	3341.3064	6198.001	289.958496
## 15016	3718.7854	7190.417	1823.079346
## 15021	3562.5718	6936.488	903.223572
## 15036	3370.7180	6405.000	925.659058
## 15054	3588.2925	7026.220	1160.457031
## 15066	3281.8181	6609.822	155.190048
## 15068	3686.7756	7284.821	1095.964111
## 15072	3444.2537	6677.587	956.498169
## 15081	3339.5886	6394.001	879.563965
## 15082	3678.0991	7105.455	1045.892700
## 15084	2498.9534	6495.000	942.304626
## 15099	3519.0625	6544.119	176.284241
## 15101	3585.1326	6920.349	2246.948730
## 15116	3664.0410	7251.171	1026.885254
## 15119	3608.4041	7081.979	1906.111084
## 15124	3633.9148	6965.343	399.942047
## 15127	3313.8506	6638.001	652.417419

## 15135	3423.2522	6586.609	1563.855469
## 15149	3820.6653	7513.692	1579.566650
## 15151	3713.7708	7331.849	1669.698120
## 15152	3321.3647	6570.000	1062.340698
## 15155	3579.6953	7121.590	1080.786255
## 15161	3708.7324	7532.211	1061.406250
## 15164	3718.1296	7222.501	2094.212891
## 15166	3856.1958	7580.857	1380.010132
## 15170	3651.1089	7267.307	1094.480835
## 15172	3587.7061	7030.813	817.664490
## 15176	3700.2224	7410.984	1610.346069
## 15179	3386.5388	6848.336	1379.781250
## 15183	3700.4290	7413.807	1939.696899
## 15187	3879.6711	7512.665	1471.553101
## 15204	3568.8684	7075.625	1634.268311
## 15208	3666.6597	7317.410	1372.491089
## 15224	3334.0278	6474.001	859.644775
## 15226	3471.5613	6640.833	889.673828
## 15231	3356.3801	7141.964	1544.435791
## 15240	3361.3101	6743.105	1556.148071
## 15245	3792.8889	7585.281	1487.783325
## 15248	3343.2195	6551.002	720.203369
## 15251	3769.1960	7496.952	2501.155518
## 15256	3365.9111	6427.000	1970.050537
## 15264	3771.7615	7296.072	1292.261841
## 15267	3677.8123	7163.237	853.125427
## 15279	3551.1450	6950.001	2088.258545
## 15286	3510.3894	6817.649	1389.808350
## 15291	3462.6160	6772.658	118.276985
## 15296	3328.1536	6437.999	888.283936
## 15309	3558.0623	6969.737	1113.397339
## 15312	3423.2866	7343.951	1590.524414
## 15325	3669.2258	6936.414	1813.432129
## 15331	3530.6760	6744.854	686.786621
## 15342	3671.1792	7111.502	2051.878418
## 15347	3365.6055	6717.242	1044.057983
## 15351	3525.0486	6909.029	578.116089
## 15355	3445.9170	6953.571	1238.237061
## 15359	3353.1851	6364.001	1644.937744
## 15365	3829.7439	7703.789	1281.573975
## 15366	3294.7734	6638.002	1460.928589
## 15372	3304.4133	6624.001	1423.896973
## 15374	3297.5620	6643.000	2226.123535
## 15375	3424.8755	6842.500	2339.481934
## 15376	3732.6501	7547.501	1243.444824
## 15378	3308.8262	6628.001	1952.495972
## 15387	3928.0771	7431.907	879.236633
## 15390	3564.3257	7089.536	696.071655
## 15391	2774.0339	6431.001	747.831604
## 15392	3563.8735	6859.211	813.341553
## 15401	3512.2888	6750.758	1595.440308
## 15402	3418.4038	6630.357	1883.769409
## 15405	3718.9685	7215.417	1452.076416
## 15408	2841.9492	7090.856	851.166565

## 15410	3783.0032	7727.893	1914.379150
## 15411	3477.1611	6999.266	656.480530
## 15419	3353.1167	6712.500	454.896210
## 15421	3591.0249	7154.445	1548.536743
## 15423	3301.3960	6528.001	78.862160
## 15425	3884.5205	7459.310	1498.031006
## 15427	3363.4387	6507.692	1171.199829
## 15432	3352.6846	6460.001	1143.884644
## 15436	3747.9045	7501.700	998.626282
## 15444	3304.2593	6654.002	1713.537231
## 15446	3262.0947	6653.000	2688.622070
## 15448	3736.6418	7439.385	1666.467896
## 15452	3872.7534	7560.926	1366.078735
## 15459	3700.5852	7386.335	1379.029541
## 15468	3748.3857	7365.313	1177.236328
## 15469	3603.1885	7110.870	1051.596436
## 15470	3605.8918	7273.113	1342.107666
## 15476	3460.9819	6700.833	275.651184
## 15477	3566.8406	6863.514	394.348358
## 15481	3623.3848	7175.532	732.473511
## 15482	3589.9575	7113.956	954.630676
## 15483	3593.1362	7146.113	624.844727
## 15485	3408.8174	6729.464	686.375061
## 15486	3605.7161	7183.890	1620.243042
## 15488	3544.4475	7008.975	907.298096
## 15493	3759.8035	7420.427	762.684814
## 15499	3860.4849	7751.246	2144.949707
## 15517	3612.9915	7132.778	1606.102417
## 15521	3735.3635	7298.100	642.004822
## 15524	3690.6438	7329.068	1202.874390
## 15525	3918.7124	7705.750	1259.842773
## 15539	3651.0662	7112.223	2247.625732
## 15544	3873.7793	7633.331	1673.782837
## 15546	3827.8555	7626.145	1658.029907
## 15547	3555.9722	7125.000	1502.805664
## 15552	3456.1458	6698.277	1586.559937
## 15553	3893.1021	7335.667	644.024170
## 15563	3723.0559	7416.871	905.002380
## 15565	3511.7991	7459.619	178.439774
## 15571	3840.3394	7709.031	1360.077881
## 15576	3531.6199	7100.611	2206.814697
## 15580	3650.0088	7349.138	1218.572266
## 15582	3759.8833	7558.243	1104.339478
## 15589	3633.3250	7208.000	1666.701172
## 15590	3772.3750	7321.999	1559.478271
## 15594	3355.5735	6505.001	1587.954468
## 15602	3829.0825	7504.128	1643.187866
## 15611	3588.8569	6938.124	1635.216797
## 15614	3344.7366	6574.000	1047.683228
## 15618	3474.8909	6935.136	654.207092
## 15628	3746.4670	7353.082	972.708496
## 15639	3650.1538	6861.170	302.315125
## 15646	3339.1321	6402.001	1367.516602
## 15649	3342.5925	6604.000	2919.490723

## 15656	3784.9480	7538.479	1261.646240
## 15657	3926.5518	7713.651	666.490784
## 15664	3871.9619	7640.535	826.490234
## 15668	1682.7446	7371.312	0.012327
## 15670	3804.1719	7411.608	1886.987793
## 15688	2740.3569	6615.999	132.666855
## 15697	3712.5015	7224.589	1290.744507
## 15700	3673.1980	7096.155	1389.468384
## 15705	3755.0879	7344.154	1581.959229
## 15716	3590.8167	6989.287	1600.046753
## 15730	3725.0007	7327.058	250.327179
## 15738	3262.2185	6479.000	502.771118
## 15742	3712.6365	7229.104	2015.478638
## 15743	3639.6345	7240.791	1146.257080
## 15746	3708.9285	7349.715	1086.040405
## 15747	3523.2812	7116.819	1189.502441
## 15753	3226.3496	6458.001	2038.101807
## 15761	3743.0854	7255.467	1795.172363
## 15769	3495.8857	6863.283	1116.573975
## 15781	3349.3489	6496.000	608.247192
## 15785	3364.9639	6459.001	1064.020142
## 15793	3595.4478	6961.250	991.414246
## 15794	3359.5251	6495.000	450.453857
## 15796	3372.5312	6575.963	322.530792
## 15797	3608.9570	7349.108	394.273102
## 15798	3594.7786	7175.001	740.067017
## 15812	3784.7322	7277.501	1194.990845
## 15820	3728.3379	7359.509	389.673096
## 15832	3366.0891	6652.679	1514.384033
## 15836	3512.6606	6667.424	1853.854370
## 15837	3331.2605	6457.001	854.619568
## 15843	3628.6567	7008.888	2138.179443
## 15846	3829.7246	7390.227	1575.942871
## 15850	3316.8120	6614.002	145.319580
## 15860	3837.5881	7453.677	1715.823242
## 15864	3328.8223	6524.001	157.102600
## 15865	3330.5088	6494.999	904.031982
## 15874	3368.4775	6690.180	60.555126
## 15881	3343.8594	6520.193	1040.729492
## 15882	3827.8877	7521.375	774.125122
## 15884	3645.2100	7073.960	1707.378540
## 15885	3622.1147	7052.175	755.964600
## 15887	3717.2466	7549.784	687.593994
## 15890	3872.7917	7589.447	1193.010376
## 15893	3340.9331	6541.001	2246.306641
## 15896	3771.3872	7387.770	918.316772
## 15897	3470.3447	6896.429	1078.369019
## 15910	3785.9751	7309.940	1702.768188
## 15918	3649.8879	7224.139	1096.990967
## 15920	3734.5586	7435.675	172.743790
## 15924	3475.2241	6788.638	1390.086304
## 15926	3791.0200	7553.655	1292.193237
## 15932	3377.5488	6710.836	861.702942
## 15944	3267.4553	6374.001	225.255127

## 15947	3324.1409	6600.000	597.286011
## 15949	3337.9370	6590.000	500.892883
## 15950	3568.8132	7122.562	1706.379761
## 15953	3451.9106	6792.742	1343.852173
## 15954	3856.3855	7552.411	1107.690308
## 15955	3788.3999	7371.628	721.342529
## 15956	3551.0435	6987.500	649.580933
## 15957	3620.6287	7069.318	1387.747314
## 15960	3616.3867	7022.093	2241.542969
## 15974	3799.0852	7485.249	1454.174683
## 15978	3341.7258	6517.000	1794.526855
## 15989	3607.1240	7009.884	955.369873
## 15997	3858.8450	7404.239	1554.904053
## 15999	3595.8162	6993.294	1178.216553
## 16004	3285.6309	6508.000	1223.127319
## 16015	3616.0342	6869.375	2057.604248
## 16023	3381.0056	6652.777	991.729614
## 16025	3820.8149	7551.682	1187.724854
## 16029	3679.3552	7205.833	653.834595
## 16031	3437.2405	6651.667	206.885178
## 16037	3535.0095	6777.143	526.309143
## 16038	3721.5195	7107.500	826.846680
## 16045	3798.3938	7683.382	1103.229126
## 16056	3351.9534	6561.538	1139.780273
## 16061	3343.5093	6518.001	1531.715088
## 16066	3408.2090	6887.096	1135.574829
## 16067	3519.4929	7026.923	514.554565
## 16069	3408.6499	6804.166	965.174683
## 16077	3849.2183	7521.428	958.925476
## 16081	3549.6692	6898.649	843.168091
## 16082	3747.4175	7292.803	835.216614
## 16087	3638.0437	7104.347	1263.251099
## 16089	3882.3440	7720.000	1170.155762
## 16091	3532.3286	7002.027	772.945923
## 16093	3324.8567	6569.000	1278.732544
## 16095	3474.2175	7002.975	78.648224
## 16100	3325.8621	6565.000	1298.065918
## 16104	3881.7231	7367.175	1459.718140
## 16112	3466.8596	7440.116	408.354828
## 16114	3485.1292	6602.419	284.907532
## 16120	3350.2639	6400.000	516.747803
## 16124	3507.8357	6860.715	1205.477173
## 16131	3293.8745	6444.000	174.232117
## 16149	3736.8293	7521.296	1455.648438
## 16150	3618.8818	7082.501	556.816345
## 16153	3336.4060	6559.000	1793.897461
## 16155	3426.8989	6673.276	1643.427246
## 16162	3601.3743	7008.523	1563.954468
## 16169	3629.9937	7328.814	738.934326
## 16170	3259.2190	6579.000	204.137054
## 16171	3263.4138	6539.000	701.223328
## 16175	3759.6221	7417.531	2120.538086
## 16180	3892.6853	7617.772	917.573669
## 16182	3459.5188	6885.292	2363.724609

## 16185	3503.2429	6953.378	1247.153809
## 16195	3910.3140	7498.239	796.088440
## 16213	2886.9568	7573.439	86.768875
## 16216	3382.9539	6671.429	1138.820801
## 16218	3394.3296	7173.404	11.670723
## 16222	3771.8640	7489.939	1446.055908
## 16226	3344.8445	6566.001	2457.367188
## 16236	3340.9541	6589.000	827.744141
## 16237	3504.1677	7467.470	1064.651978
## 16240	3668.1338	7073.000	1618.315796
## 16242	3311.2646	6634.258	1025.978149
## 16253	3672.6221	7397.694	872.887512
## 16255	3578.3362	7191.305	1710.505615
## 16268	3663.2830	7393.355	1415.616455
## 16272	3913.8604	7714.700	1461.113647
## 16273	3804.5032	7465.502	1256.267090
## 16276	3632.5461	7175.531	968.184692
## 16284	3219.5093	6639.000	1854.023315
## 16286	3360.4478	6745.371	2221.084473
## 16293	3808.5935	7410.000	847.234619
## 16299	3757.7388	7571.090	1187.778076
## 16305	3440.5952	6714.655	1135.107178
## 16306	3795.1914	7479.723	690.602844
## 16318	3692.0593	7137.264	1247.089478
## 16320	3695.0537	7397.178	1087.717529
## 16324	3367.7305	6606.732	2264.809082
## 16334	3711.5396	7128.510	975.177002
## 16337	3594.5574	6896.875	767.085022
## 16340	3776.0037	7305.724	1080.234009
## 16341	3864.7158	7386.325	1129.284180
## 16342	3819.6890	7471.667	1080.807373
## 16344	3433.9365	6657.759	1064.208984
## 16349	3681.2351	7376.282	1394.950317
## 16351	3859.1902	7565.742	1049.114014
## 16354	3807.6814	7594.143	740.920227
## 16355	3657.1860	7167.593	404.784851
## 16360	3860.0278	7726.681	1689.618042
## 16364	2959.2559	6573.000	467.547516
## 16367	3522.1858	6767.647	984.469971
## 16376	3690.9094	7132.409	1584.347290
## 16377	3502.2043	6843.182	853.992981
## 16380	3910.9058	7415.623	1189.493408
## 16387	3656.5400	7183.172	1540.187866
## 16388	3566.4087	7235.170	366.829803
## 16392	3778.9675	7357.500	738.069885
## 16401	3503.9043	6902.205	787.957275
## 16404	3855.3386	7657.581	1166.386108
## 16415	3812.6895	7678.274	976.646240
## 16417	3042.3337	7125.568	1.604687
## 16422	3783.1387	7175.625	757.299133
## 16425	3610.4805	6842.858	156.463318
## 16428	3361.9250	6426.000	2928.664062
## 16429	3622.0796	6848.256	1339.702271
## 16432	3705.6016	7238.599	2477.614746

## 16436	3747.5034	7436.446	963.206665
## 16445	3753.8284	7368.270	1111.832642
## 16451	3856.5574	7574.187	1014.262024
## 16457	3660.5310	7254.629	1089.640381
## 16462	3353.2329	6622.115	700.449646
## 16463	3494.3916	6881.428	1255.259644
## 16465	3779.7393	7579.657	1193.512695
## 16466	3703.0154	7497.150	1391.054810
## 16468	3860.2986	7734.635	2064.588379
## 16473	3712.4788	6998.661	664.624878
## 16474	3635.6628	6937.500	142.577148
## 16475	3743.2205	7366.761	72.890053
## 16476	3688.3706	7296.551	20.697920
## 16477	3479.0669	6669.887	197.023468
## 16479	3371.1089	6350.000	365.974731
## 16480	3364.1094	6345.000	365.137787
## 16483	3352.2466	6427.000	507.595001
## 16491	3346.4094	6420.000	1063.102417
## 16495	3699.2092	7361.039	811.629272
## 16498	3757.3423	7368.986	1558.439575
## 16500	3438.2964	6809.091	869.744019
## 16501	3469.1487	6886.765	2313.568359
## 16503	3347.4802	6584.616	1469.625610
## 16509	3740.4436	7385.713	1598.119995
## 16515	3521.2305	6806.619	377.055359
## 16528	3748.9512	7463.889	836.509338
## 16538	3643.9429	7305.823	2284.133789
## 16542	2923.8445	6911.362	779.126648
## 16549	3671.1829	7377.916	1606.001221
## 16551	3602.7512	7200.544	1526.915894
## 16554	3852.6838	7649.566	896.980713
## 16558	3562.4529	7058.142	614.991638
## 16561	3350.0940	6479.000	1136.315063
## 16571	3480.7283	6892.647	1144.731567
## 16574	3798.4988	7475.268	1661.184814
## 16581	3865.6187	7349.310	1879.273071
## 16595	3651.6719	7322.271	1095.285767
## 16599	3382.6057	6685.187	1418.891479
## 16603	3716.9021	7274.166	1542.904541
## 16609	3203.1316	6663.000	568.652710
## 16610	3367.7126	6712.501	656.821045
## 16618	3594.8350	7000.641	2604.989502
## 16621	3479.5603	6780.647	1526.859619
## 16631	3869.2686	7632.469	1352.109375
## 16632	3587.9243	7031.876	987.966858
## 16647	3775.8645	7644.884	1208.739502
## 16650	3531.9521	7121.341	1020.720520
## 16653	3293.4961	6635.001	629.025269
## 16656	3295.8479	6611.001	1267.179688
## 16671	3811.4272	7486.748	1427.930298
## 16673	3695.5298	7337.303	1166.891479
## 16674	3702.8760	7246.982	1346.323364
## 16680	3693.7183	7352.016	725.187134
## 16683	3670.8025	7309.210	1333.034058

## 16684	3602.7388	7039.637	633.059265
## 16685	3504.2063	6932.855	1032.181396
## 16687	3560.6499	6944.740	1881.548218
## 16693	3805.9238	7540.454	318.031830
## 16702	3163.2568	6670.000	419.293152
## 16705	3603.1387	7513.272	656.561157
## 16707	3611.8701	7169.886	816.737976
## 16711	3563.1101	7132.317	801.116638
## 16713	2843.9661	6565.000	730.696777
## 16724	3820.5586	7696.495	1264.917847
## 16725	3561.8914	7076.252	1716.010864
## 16728	3739.0818	7515.968	2273.539795
## 16733	3367.9565	6602.779	856.409668
## 16736	3316.6650	6696.554	1042.441406
## 16745	3289.0461	6497.001	366.568085
## 16751	3705.9485	7343.252	1243.839111
## 16763	3527.2429	6918.571	671.186707
## 16765	3551.8623	7016.449	383.710175
## 16768	3711.0217	7139.093	1421.857544
## 16769	3451.1448	6677.500	1991.359985
## 16770	3525.2996	6949.305	1637.907959
## 16779	3571.1516	6860.136	1322.660522
## 16790	3586.2256	7129.070	1408.506714
## 16800	3354.4529	6505.000	1266.454712
## 16804	3323.8374	6469.000	1002.646545
## 16814	3324.3333	7143.140	1005.793213
## 16822	3882.5518	7578.689	1154.612305
## 16831	3367.4021	6684.822	712.942932
## 16833	3559.2944	6923.649	999.228333
## 16835	3729.3545	7235.081	811.393188
## 16836	3513.1804	6850.736	1157.851318
## 16838	3689.2200	7211.403	782.730469
## 16842	3562.5903	6984.210	1197.002441
## 16844	3856.4648	7586.131	1352.561768
## 16849	3485.7876	6829.689	1101.088867
## 16855	3400.6501	6775.834	37.211346
## 16864	3801.4148	7533.105	1043.949951
## 16865	3343.4312	6512.000	781.076111
## 16877	3410.8020	6462.965	2169.971436
## 16881	3902.1160	7440.503	1814.500244
## 16884	3500.6995	6740.443	1039.019043
## 16887	3476.0942	7043.920	1881.109009
## 16892	3397.9553	6801.667	590.978027
## 16893	3759.5288	7489.368	1565.273193
## 16894	3882.3552	7616.867	779.549011
## 16895	3689.0520	7276.494	1178.456421
## 16899	3899.2019	7665.158	1638.106201
## 16900	3772.4932	7476.164	1333.005371
## 16907	3805.0125	7677.929	1468.437378
## 16909	3494.4580	6947.794	2159.964355
## 16914	3728.9622	7372.603	2057.810547
## 16917	3790.5508	7504.488	1430.071289
## 16928	3697.1267	7406.161	860.441589
## 16940	3806.0149	7609.128	942.118835

## 16941	3214.2354	6593.000	11.578437
## 16947	3740.1614	7489.001	1449.358521
## 16948	3898.2219	7749.446	1554.243286
## 16952	3403.7581	6787.932	1975.406006
## 16956	3408.5657	6604.630	1150.579834
## 16963	3452.1724	6625.863	1376.651245
## 16964	3556.5356	6926.975	2275.929932
## 16968	3651.3018	7298.638	66.040848
## 16980	3826.3972	7530.171	1087.823486
## 16984	3796.0347	7512.747	1100.386597
## 16995	3298.9680	6627.001	1162.021484
## 16999	3889.7590	7521.537	603.622131
## 17004	3885.1304	7446.041	970.018799
## 17008	3782.7170	7285.616	1274.823853
## 17027	3323.1553	6598.000	2023.901001
## 17033	3722.4565	7388.043	1459.350708
## 17035	3699.3003	7379.229	1128.378052
## 17040	3614.7910	7196.354	583.599976
## 17045	3744.7632	7430.001	1115.685425
## 17047	3319.1545	6543.270	304.020844
## 17049	3446.9038	6686.292	469.701447
## 17053	3734.6692	7397.801	1349.101929
## 17054	3726.7300	7390.477	1187.312988
## 17061	3864.9436	7492.479	819.870483
## 17069	3735.7603	7461.945	941.197510
## 17079	3723.8672	7138.928	1080.167358
## 17080	3123.6665	6329.001	393.599030
## 17081	3575.8921	6885.002	853.703430
## 17082	3746.7490	7457.311	1375.797363
## 17083	3742.3015	7399.461	1829.434326
## 17084	3726.3767	7424.138	1391.627319
## 17089	3808.7837	7351.115	2153.661377
## 17093	3798.8000	7434.841	2204.714111
## 17096	3921.8613	7616.664	1321.347656
## 17102	3443.2703	7301.271	1641.995605
## 17108	3841.8838	7450.626	1115.385132
## 17111	3329.7629	6572.116	1716.846436
## 17119	3851.9395	7568.750	1486.113525
## 17129	3738.5945	7498.923	798.315308
## 17131	3727.9194	7251.586	2023.846924
## 17134	3778.6953	7327.105	1091.754761
## 17137	3756.9319	7343.289	1379.760742
## 17144	3735.8323	7306.977	1500.092651
## 17152	3767.9739	7383.544	1561.658569
## 17156	3591.2915	7031.396	1154.302856
## 17157	3849.2964	7515.180	1328.101440
## 17158	3734.1147	7293.311	1210.016724
## 17162	3556.2700	6963.461	1214.236328
## 17164	3367.5154	6687.038	1073.962280
## 17166	3738.6382	7387.673	1279.824341
## 17172	3362.9524	6452.001	1410.104980
## 17175	3741.5415	7348.313	932.322266
## 17177	3866.7778	7546.053	980.172119
## 17184	3538.3125	6946.529	1318.528076

## 17185	3350.0156	6610.000	1728.523193
## 17193	3353.0403	6739.064	104.862518
## 17196	3571.7603	7253.078	51.521976
## 17201	3898.8181	7579.148	1719.157227
## 17204	3766.3770	7352.922	1027.232056
## 17209	3780.4302	7441.414	1207.525146
## 17210	3775.3486	7394.832	1408.806152
## 17211	3760.2085	7333.556	1493.495239
## 17226	3778.1101	7523.459	737.282532
## 17236	3794.7573	7274.999	2305.505127
## 17237	3781.5386	7392.214	1419.369995
## 17245	3353.5852	6400.001	1430.567261
## 17250	3768.0225	7319.187	1263.792358
## 17255	3934.7151	7751.193	3196.025635
## 17257	3652.9224	7377.564	924.872986
## 17259	3874.7170	7674.616	2158.164062
## 17270	3744.7151	7358.697	2137.203125
## 17281	3723.5059	7223.016	624.014038
## 17287	3515.5044	7125.546	690.473816
## 17298	3724.4692	7375.977	1766.596680
## 17304	3130.1763	6619.002	6.884774
## 17311	3645.0620	7369.016	930.796631
## 17314	3734.9575	7372.826	495.090576
## 17336	3454.4802	6571.553	944.505859
## 17341	3495.4492	7475.444	432.776917
## 17350	3613.7329	7094.886	838.321228
## 17354	3671.9517	7196.570	698.847046
## 17355	3307.3042	6638.000	575.375366
## 17356	3522.2986	6867.857	721.330078
## 17358	3355.8896	6545.999	1017.063354
## 17359	3798.7170	7614.734	795.524536
## 17362	3812.1040	7662.375	589.974182
## 17365	3480.9038	6867.647	1107.862061
## 17369	3470.9624	7361.792	103.694901
## 17373	3557.6506	6978.847	1436.711670
## 17374	3609.0461	7075.001	643.087524
## 17375	3365.0198	6653.703	566.024292
## 17382	3325.2881	6469.000	230.019836
## 17388	3662.0503	7201.443	684.572937
## 17398	3698.5476	7170.280	1725.611938
## 17408	3772.4731	7311.333	2074.538818
## 17411	3626.9971	7236.475	1450.238647
## 17416	3772.7297	7272.536	2747.744141
## 17418	3637.0315	7009.090	2286.015137
## 17426	3677.7146	7214.224	1591.436523
## 17433	3911.2024	7602.888	1155.655029
## 17441	3668.4202	7270.771	581.141052
## 17456	3039.8447	6529.001	304.564972
## 17460	3653.4592	7276.070	1025.283936
## 17467	3718.2080	7173.708	1237.269531
## 17479	3681.9270	7032.843	1744.544556
## 17484	3599.9617	6951.830	928.397461
## 17489	3359.6899	6549.999	1368.227783
## 17491	3530.9521	6785.294	1584.902588

## 17494	3789.0991	7287.665	1113.753052
## 17497	3638.6777	7061.958	919.646667
## 17502	3855.5554	7498.392	1161.409424
## 17507	3861.0723	7510.483	1282.588013
## 17509	3422.2783	6699.167	494.597687
## 17511	3638.2544	7344.585	205.804398
## 17516	3346.9839	6747.324	211.339859
## 17524	3709.2068	7524.999	252.865814
## 17531	3822.4231	7507.632	1654.841553
## 17537	3582.0559	6977.273	150.923904
## 17542	3632.0891	6971.276	1160.989502
## 17545	3891.7253	7495.905	1735.598389
## 17548	3296.9019	6458.000	144.155396
## 17551	3360.0203	6425.001	1679.747314
## 17553	3617.5120	6931.979	1463.471313
## 17561	3667.0508	7024.021	1538.483276
## 17563	3904.4275	7641.083	1052.459839
## 17564	3802.1428	7535.667	720.534485
## 17565	3882.4873	7629.505	977.120483
## 17572	3365.4211	6578.704	1833.673096
## 17575	3786.0605	7395.833	1348.244995
## 17581	3612.1292	7144.608	668.629395
## 17601	3695.7070	7119.829	1353.443848
## 17603	3781.3857	7323.875	1472.355835
## 17614	3753.7971	7374.185	1036.427734
## 17615	3493.4995	6751.430	922.228638
## 17617	3794.4788	7526.087	1212.448975
## 17624	3596.2698	7019.513	2202.545898
## 17627	3348.2295	6557.002	1254.478516
## 17632	3923.2302	7612.740	1461.139893
## 17634	3487.8135	6765.972	395.098022
## 17635	3285.5569	6352.001	1169.298828
## 17643	3696.4199	7409.757	551.373596
## 17646	3803.1826	7447.617	433.539825
## 17650	3521.8237	7034.882	140.997238
## 17663	3451.5823	6913.238	613.886597
## 17664	3262.5371	6577.001	262.234924
## 17669	3610.2837	7489.719	911.605896
## 17675	3539.8352	6789.286	209.060333
## 17683	3718.5769	7342.804	1043.095459
## 17686	3805.9250	7414.774	1022.741089
## 17694	3706.4678	7221.186	947.162109
## 17699	3358.6138	6542.243	251.708038
## 17700	3387.8052	6318.967	307.703339
## 17707	3741.0791	7346.056	939.733765
## 17711	3329.7183	6562.001	856.514282
## 17712	3533.4966	7098.779	320.643127
## 17721	3350.7241	6492.000	512.439636
## 17723	3366.6411	6628.847	418.544861
## 17737	3917.8853	7621.496	1023.412598
## 17742	3934.7080	7543.626	1099.549561
## 17743	3580.2415	6915.000	732.961914
## 17746	3943.7688	7641.205	1099.599365
## 17754	3350.4553	6735.000	303.344055

## 17755	3765.0237	7247.119	1392.628540
## 17756	3793.5398	7390.198	871.457092
## 17765	3562.4070	6764.866	1870.814941
## 17768	3197.7300	6550.001	3.639634
## 17776	3334.7146	6576.000	968.419312
## 17780	3872.9871	7540.231	1166.574463
## 17781	3824.5203	7448.543	972.557068
## 17792	3213.9409	6375.863	79.303238
## 17794	2734.4392	6438.000	9.492334
## 17795	3491.1245	6683.783	354.239471
## 17811	3496.8210	6727.345	495.150452
## 17812	3665.1182	7095.097	952.432983
## 17813	3472.8806	6798.439	1005.460571
## 17817	3467.8638	7015.541	603.162476
## 17825	3395.4905	6275.001	768.849365
## 17827	3327.9836	6555.001	1041.434082
## 17832	3392.2520	6543.521	1908.403687
## 17839	3891.4673	7611.675	605.688660
## 17843	2715.3796	6480.265	79.312920
## 17846	3598.5488	7045.966	681.651794
## 17851	3543.7854	6855.404	1900.888672
## 17852	3465.8809	6668.549	1591.836426
## 17856	3547.2490	6940.972	1152.210571
## 17857	3353.9233	6500.000	1096.303589
## 17860	3559.2380	6914.190	350.464661
## 17863	3456.8521	6657.760	1473.684326
## 17867	3881.4512	7686.970	1447.436768
## 17873	3845.5640	7528.033	572.112122
## 17876	3587.8076	6970.000	1154.548706
## 17880	3775.6797	7429.013	1334.845215
## 17889	3495.5239	6817.649	1145.333008
## 17893	3780.2085	7400.311	1748.768433
## 17897	3378.1057	6171.000	1173.331421
## 17904	3892.2505	7560.438	1213.353394
## 17913	3671.0664	7154.807	828.798096
## 17916	3947.4717	7586.843	1394.579590
## 17918	3523.5874	6647.060	1187.888428
## 17919	3931.5051	7515.429	1255.787354
## 17920	3931.2258	7493.317	1777.890137
## 17921	3943.0454	7532.095	1650.190796
## 17924	3942.7617	7540.713	1179.215820
## 17944	3955.6694	7449.944	1587.784668
## 17947	3957.7371	7535.483	1668.546631
## 17976	3492.6987	6800.001	1223.851318
## 17979	3454.1250	7236.111	535.659363
## 17981	3318.8564	6562.002	110.606262
## 17990	3454.7803	6736.667	1043.719727
## 17996	3548.6599	6846.527	1609.727661
## 18003	3082.2019	6657.001	6.185163
## 18013	3574.9502	7194.317	1208.977905
## 18014	3639.6885	7045.556	1604.919678
## 18021	3199.3494	6597.999	169.089920
## 18032	3537.6045	6858.574	1202.926392
## 18033	3329.1497	6584.999	713.818665

## 18040	3674.3440	7073.501	908.893555
## 18046	3543.8457	7086.664	819.239136
## 18051	3343.8704	6617.001	594.742554
## 18056	3773.1362	7331.493	717.151611
## 18057	3847.2629	7330.933	457.328339
## 18061	3587.6948	7052.440	1880.502930
## 18065	3744.9229	7232.073	1532.454346
## 18070	3735.3716	7317.424	1718.058105
## 18077	3805.2063	7451.881	1900.386230
## 18078	3832.9717	7454.501	1440.968872
## 18079	3816.2500	7082.101	697.629333
## 18080	3358.5459	6410.000	396.011139
## 18086	3756.3933	7657.584	2062.097656
## 18093	3922.9626	7560.250	1799.848877
## 18095	3526.9148	6975.001	68.173485
## 18103	3920.7478	7468.030	1280.729980
## 18107	3904.7104	7518.891	2000.411743
## 18112	3871.1707	7609.496	1391.098511
## 18114	3928.0547	7609.130	1963.730225
## 18118	3921.3428	7518.251	1771.566772
## 18120	3738.0117	7555.754	1034.752563
## 18126	3797.0872	7570.000	774.871765
## 18127	3834.0383	7624.046	1246.048340
## 18129	3484.2793	6870.970	1346.924438
## 18133	3537.3320	6998.609	1089.294922
## 18144	3305.5347	6727.588	435.964661
## 18148	3454.5806	6853.125	228.617035
## 18152	3475.0732	6950.000	506.782471
## 18154	3330.8052	6571.003	828.915527
## 18156	3667.1765	7216.510	903.258057
## 18158	3359.1628	6511.001	734.310608
## 18159	3838.5129	7492.382	794.594604
## 18166	3559.0959	6895.396	365.172943
## 18172	3456.0857	6697.658	658.711975
## 18173	2484.9790	6708.621	705.379456
## 18174	3418.7710	6638.393	994.048462
## 18177	3623.4363	6977.328	809.862610
## 18184	3736.0857	7343.181	1099.901855
## 18185	3476.3105	6884.093	674.293396
## 18189	3438.4353	6714.654	1245.042603
## 18191	3376.2834	6574.039	927.706360
## 18198	3569.5308	7051.220	190.148163
## 18199	3499.2161	7050.658	217.159744
## 18208	3830.8621	7382.370	1182.101562
## 18210	3862.8376	7479.202	1433.666748
## 18213	3494.9243	6745.313	344.412262
## 18214	3573.6025	6781.759	839.015015
## 18216	3334.0762	6530.000	820.844666
## 18225	3689.3127	7419.355	1152.005249
## 18228	3466.4551	6939.394	991.494263
## 18249	3371.6130	6449.001	2092.857178
## 18251	3346.6294	6505.000	898.740051
## 18254	3356.2151	6553.001	1766.740234
## 18262	3858.4993	7640.124	1411.988281

## 18266	3903.8484	7600.172	1934.299438
## 18268	3688.1536	7233.076	2003.246826
## 18274	3562.1807	6826.284	2140.280762
## 18276	3707.0686	7550.001	1227.149292
## 18282	3973.9177	7561.682	1330.185791
## 18284	3621.5015	7018.750	1590.471924
## 18285	3887.0051	7538.960	1916.402710
## 18286	3833.8367	7640.500	1158.031860
## 18290	3564.8938	6970.931	1391.741455
## 18294	3965.5530	7694.594	1371.281860
## 18295	3902.9734	7592.324	939.163025
## 18296	3923.5051	7679.023	950.659363
## 18297	3638.1934	7078.194	1310.220947
## 18303	3926.9841	7562.463	1430.086182
## 18305	3903.2166	7419.331	1349.175415
## 18310	3475.1555	6802.085	1087.033691
## 18315	3479.7859	6807.033	1749.791138
## 18318	3485.9219	6865.911	1690.029053
## 18320	3362.3582	7261.411	1141.707520
## 18325	3471.4619	6970.271	924.025085
## 18356	3410.9392	6427.586	1589.160278
## 18357	3360.1406	6433.002	2220.953857
## 18358	3536.7681	6848.650	1285.566040
## 18361	3390.3062	6910.211	94.012436
## 18368	3330.9316	6497.000	1184.691406
## 18371	3303.0576	6577.001	326.449493
## 18372	3610.9136	7032.386	778.063293
## 18378	3750.7729	7440.422	491.443237
## 18380	3335.3115	6505.001	476.864716
## 18385	3701.5928	7370.780	728.120422
## 18386	3751.5120	7466.219	900.352234
## 18388	3666.5525	7447.153	457.600128
## 18392	3633.9905	7193.750	1195.587769
## 18394	3773.6045	7502.248	564.308716
## 18398	3850.4966	7538.349	801.204041
## 18403	3468.6592	6960.417	480.674011
## 18404	3335.9707	6534.000	570.378113
## 18405	3676.8298	7235.186	397.503387
## 18407	3489.1106	6864.708	813.341797
## 18414	3807.5583	7490.792	388.397064
## 18415	3802.3618	7375.894	497.035248
## 18423	3646.9646	6961.979	1783.583130
## 18427	3353.9021	6339.001	1397.325195
## 18439	3934.1824	7528.721	1304.104004
## 18453	3881.6477	7486.518	1284.219727
## 18454	3324.3030	6394.001	841.486938
## 18455	3322.6152	6445.000	695.915771
## 18459	3349.8611	6354.000	1548.773438
## 18460	3945.8774	7553.242	1327.906616
## 18466	3900.5144	7528.417	1066.187012
## 18470	3923.9814	7563.690	1287.963257
## 18474	3912.7546	7551.704	999.962402
## 18477	3951.4626	7570.661	1405.078491
## 18478	3844.5046	7425.646	1237.547974

## 18479	3363.6555	6346.000	1752.389282
## 18480	3309.8982	6345.000	584.635315
## 18488	3467.0806	6609.166	1764.403198
## 18493	3486.2234	6692.971	1468.983276
## 18495	3604.6641	6937.807	1793.573242
## 18496	3534.6624	6729.415	1563.625488
## 18498	3347.6194	6414.001	1354.782104
## 18502	3914.0820	7550.366	1361.323730
## 18503	3905.5381	7530.548	1459.943115
## 18504	3432.9058	7166.807	524.149475
## 18507	3576.0093	6632.640	1583.455566
## 18511	3490.7253	7314.036	509.663513
## 18512	3436.8210	7202.325	302.111511
## 18517	3437.9319	7055.625	880.496216
## 18519	3834.6797	7131.464	921.756226
## 18524	3781.1069	7323.357	1825.661255
## 18527	3386.5000	7134.301	721.452576
## 18533	3857.4463	7385.368	1050.521240
## 18536	3976.2480	7469.242	1060.443481
## 18555	3839.5242	7443.390	1142.994507
## 18560	3958.8381	7418.549	1470.039429
## 18564	3359.0955	6355.000	1321.233887
## 18566	3881.4128	7380.544	1028.908691
## 18567	3977.1096	7464.123	1507.038940
## 18576	3842.6682	7543.323	1208.468262
## 18582	3361.6790	6400.000	832.981567
## 18592	3635.0408	6902.272	1435.401245
## 18597	3255.5188	6432.000	1081.065308
## 18598	3367.4890	6547.415	1060.069336
## 18605	3658.0439	6827.172	767.437500
## 18609	3361.8159	6386.000	619.722168
## 18618	3838.5127	7638.776	1172.721313
## 18621	3888.6375	7514.816	1440.218384
## 18623	3939.4792	7444.280	1265.185547
## 18626	3942.8542	7558.560	1415.494263
## 18628	3865.7109	7622.813	1289.179810
## 18636	3908.1458	7600.455	1303.441772
## 18637	3674.6094	6993.878	1211.650757
## 18648	3610.8474	7065.762	647.586975
## 18649	3404.9885	6889.064	150.754456
## 18659	3691.8960	7308.463	409.989716
## 18660	3790.7363	7570.715	365.655945
## 18666	3625.1050	7116.111	1393.328369
## 18667	3760.0808	7330.139	1548.813965
## 18679	3459.3542	6785.485	901.691528
## 18689	3711.6975	7177.501	820.645569
## 18692	3664.2983	7125.491	734.846375
## 18694	3639.2305	7310.000	502.236511
## 18696	3697.0059	7227.273	848.758301
## 18699	3758.0613	7258.713	1013.469360
## 18700	3726.9993	7206.779	1170.834229
## 18702	3417.7805	6639.285	1012.077942
## 18718	3410.6187	6560.186	1173.805908
## 18724	3551.3523	6879.861	1187.813599

## 18729	3561.8484	6797.223	900.581238
## 18737	3488.8330	6792.188	835.790466
## 18744	3362.8538	6431.000	792.334839
## 18752	3919.1655	7607.003	1434.741577
## 18759	3784.2373	7346.840	1118.704346
## 18761	3333.8408	6413.001	330.451569
## 18763	3848.8191	7383.335	1686.155273
## 18768	3361.9888	6301.001	3073.686523
## 18772	3377.3975	6302.000	1171.517334
## 18773	3386.4768	6356.732	461.385895
## 18777	3364.9351	6344.001	906.213989
## 18779	3347.6794	6366.000	831.157837
## 18784	3357.5986	6263.001	996.895203
## 18785	3375.4443	6308.001	1543.019409
## 18787	3359.0337	6433.001	1591.503052
## 18789	3415.1797	6567.592	2365.090088
## 18790	3364.1846	6301.000	1109.729736
## 18794	3938.9707	7396.943	2130.194824
## 18795	3736.6846	6935.715	1687.626343
## 18799	3916.4531	7371.239	1888.932129
## 18804	3305.9434	6443.000	19.320091
## 18805	3971.6025	7622.394	1556.725220
## 18807	3950.8669	7443.495	1613.674561
## 18809	3919.4636	7521.812	1631.653320
## 18813	3367.7671	6438.000	1757.956543
## 18825	3933.9204	7686.563	1311.684082
## 18833	3959.2898	7581.784	1513.822632
## 18835	3370.5774	6306.000	1271.311157
## 18836	3946.7837	7457.645	1725.766235
## 18839	3872.1025	7405.999	1142.746704
## 18848	3888.2595	7587.280	931.611755
## 18849	3880.8694	7628.434	1007.859192
## 18850	3638.8677	7096.983	569.740845
## 18875	3835.5879	7553.213	1245.794067
## 18881	3571.2998	7042.221	168.993271
## 18883	3562.5295	7001.925	1037.523315
## 18898	3709.3586	7345.000	789.789795
## 18913	3571.6145	6905.265	992.513184
## 18919	3712.7913	7215.352	665.236389
## 18922	3743.1118	7204.436	788.034668
## 18926	3655.9617	7059.042	712.317993
## 18929	3770.7437	7178.732	988.315125
## 18936	3764.2905	7227.986	946.738098
## 18945	3543.9751	6900.000	866.285645
## 18948	3520.3633	6856.620	1273.028076
## 18955	3513.2312	6730.303	941.394897
## 18962	3732.1702	7226.668	767.200684
## 18964	3747.3303	7221.152	863.257996
## 18965	3722.4448	6583.895	881.824341
## 18969	3869.5586	7508.750	1482.561890
## 18970	3870.3899	7550.442	1232.134033
## 18974	3898.0789	7608.087	1425.985840
## 18978	3776.7258	7323.417	1201.040161
## 18981	3578.9697	6943.125	1737.975586

## 18987	3491.1860	6788.639	1058.284790
## 18992	3603.3352	7093.618	906.562805
## 18994	3401.1108	6570.371	2229.060059
## 18998	3784.9551	7448.935	1400.303833
## 18999	3337.1914	6479.000	1478.701050
## 19000	3743.9929	7373.945	1327.191772
## 19003	3631.4585	7082.778	2214.083008
## 19010	3340.3708	6553.001	1380.862915
## 19016	3713.2737	7307.788	1037.586060
## 19023	3768.3845	7427.439	1137.711548
## 19036	3682.4531	7119.501	1115.214478
## 19046	3615.1777	6938.415	1392.802979
## 19047	3673.6416	7060.937	1069.661011
## 19054	3457.0195	6593.966	1367.042114
## 19070	3517.8591	6851.473	1095.598633
## 19076	3480.5376	6699.196	957.985229
## 19080	3380.3350	6540.384	930.527283
## 19086	3725.3025	7236.018	1277.116577
## 19092	3878.7607	7445.444	1154.536377
## 19093	3409.5459	6585.716	1103.878784
## 19099	3363.7979	6394.000	2291.758789
## 19103	3873.5200	7432.858	1622.186157
## 19104	3809.5381	7381.383	1042.384888
## 19108	3839.9919	7565.044	1600.403320
## 19113	3350.4487	6638.889	290.210632
## 19122	3463.5317	6783.871	1193.819092
## 19124	3696.4099	7274.137	1078.431641
## 19132	3732.7322	7195.001	1207.495605
## 19134	3511.6313	6770.589	1089.794678
## 19135	3667.1992	7098.532	898.915894
## 19138	3625.7683	7139.131	725.666260
## 19153	3664.2244	6991.490	1034.558594
## 19154	3449.9895	6630.172	1005.955627
## 19160	3409.9995	6556.481	964.397278
## 19162	3842.7239	7298.138	1242.939087
## 19163	3776.7112	7159.327	830.236755
## 19165	3369.3420	6425.000	288.954590
## 19167	3566.2896	6843.751	372.168976
## 19174	3645.2407	6960.227	1173.064209
## 19187	3359.3574	6421.001	1746.931152
## 19194	3364.3560	6525.000	945.626465
## 19199	3788.6912	7403.947	1067.991455
## 19209	3676.3032	7230.456	874.337036
## 19218	3363.2158	6493.999	840.247314
## 19220	3680.4136	7068.879	1381.510376
## 19222	3666.8145	7079.168	883.268250
## 19229	3454.2954	6622.415	1103.239502
## 19231	3410.7871	6555.557	685.876221
## 19232	3834.8333	7342.821	1129.244995
## 19243	3699.1072	7216.665	735.142822
## 19245	3650.0344	7121.877	794.196045
## 19251	3922.1980	7533.489	757.805298
## 19252	3914.4719	7471.676	885.947632
## 19257	3858.9849	7298.307	1275.676392

## 19262	3854.9480	7256.251	1088.131592
## 19264	3873.7883	7578.122	1513.982788
## 19268	3894.7810	7609.052	1069.395996
## 19272	3823.4412	7201.043	734.323547
## 19288	3735.3215	7507.316	228.358124
## 19291	3847.8320	7590.003	930.377014
## 19292	3921.5188	7641.629	1128.651367
## 19301	3374.2441	6348.999	2343.401855
## 19306	3802.7964	7582.383	1270.656860
## 19310	3811.5161	7292.687	787.472351
## 19313	3859.8215	7492.638	1214.685059
## 19314	3774.2371	7569.726	613.232849
## 19316	3892.1589	7601.245	1019.093018
## 19317	3357.3940	6471.999	2556.114746
## 19318	3286.3298	6654.809	629.212341
## 19322	3291.5935	6607.001	264.214294
## 19335	3677.0388	7059.650	1333.516235
## 19337	3610.9868	7115.000	1376.124512
## 19351	3848.5159	7459.319	2001.358643
## 19352	3575.5283	6901.975	1555.945679
## 19353	3697.7678	7129.548	1714.492432
## 19359	3566.4336	6960.939	782.405579
## 19370	3359.3748	7621.922	204.941879
## 19371	3304.5278	7436.719	417.650482
## 19385	3256.0273	6524.001	92.389900
## 19388	3217.5845	6576.001	47.995918
## 19389	3570.6067	7186.668	1344.270020
## 19398	3379.2463	6217.001	1031.870483
## 19412	3390.7065	6575.000	2712.687744
## 19413	3344.3523	6549.001	2488.988281
## 19422	3738.9250	7345.522	1364.295410
## 19425	3706.2368	7253.334	995.417175
## 19426	3480.2534	6776.614	1047.098633
## 19430	3727.4148	7134.582	1344.292725
## 19431	3641.8613	7018.479	1366.144043
## 19433	3565.9285	6864.474	1209.993896
## 19447	3451.2410	6634.484	1293.894531
## 19448	3787.5344	7282.876	1607.494751
## 19452	3458.3630	6593.966	1377.421997
## 19456	3772.6304	7169.775	1432.361938
## 19464	3623.7078	6883.538	1114.229004
## 19471	3537.1306	6877.858	2000.574219
## 19476	3686.9563	6989.287	1473.659058
## 19492	3819.9663	7380.338	1332.013428
## 19493	3542.2424	6884.287	968.015076
## 19501	3878.3582	7534.977	1348.079224
## 19503	3636.1287	7003.636	1209.502075
## 19515	3260.5229	6570.999	585.369202
## 19522	3645.5413	6798.258	1286.503662
## 19523	3702.5767	7527.382	1193.394775
## 19529	3755.7415	7590.324	1141.733276
## 19545	3362.1196	6442.001	1296.322510
## 19546	3395.1843	6625.927	1211.849121
## 19549	3402.2456	6663.393	1053.390137

## 19550	3327.5654	6513.001	806.296204
## 19554	3392.3821	6628.572	1200.143921
## 19555	3741.9529	7341.669	1097.048828
## 19568	3754.2869	7090.299	1309.417236
## 19575	3610.4512	6900.500	1718.809570
## 19586	3784.1848	7462.895	1593.849609
## 19597	3327.6497	6610.001	1207.830078
## 19601	3333.6738	6454.001	1491.005981
## 19605	3354.9014	6371.001	1508.044434
## 19609	3336.1655	6518.001	1470.031616
## 19613	3657.6377	7155.500	1698.499878
## 19614	3330.7554	6502.001	944.715637
## 19619	3361.7070	6442.000	1747.444580
## 19631	3344.7607	6373.001	363.653717
## 19635	3342.0327	6498.002	597.310486
## 19640	3348.8523	6451.000	983.014099
## 19642	3426.6216	6300.002	1658.441406
## 19662	3902.2197	7468.640	1381.477783
## 19675	3469.1843	6951.430	1691.601440
## 19679	3561.7742	7064.536	1482.471436
## 19680	3480.9231	7081.874	804.543335
## 19683	3881.2593	7680.263	1955.309570
## 19684	3898.3557	7637.802	1318.496704
## 19686	3921.0452	7659.377	1589.078003
## 19687	3258.0620	6533.999	336.495819
## 19691	3638.3525	7191.490	1165.586426
## 19699	3930.3801	7595.667	1594.165649
## 19700	3350.8833	6441.000	1837.050049
## 19702	3885.6274	7552.778	1518.139648
## 19704	3823.5068	7408.917	1239.265503
## 19715	3579.0725	6960.256	1239.169434
## 19726	3336.6091	6512.001	1439.575073
## 19738	3342.0371	6142.000	219.305359
## 19745	3533.3452	6928.847	1332.521851
## 19758	3812.4397	7497.473	1473.493774
## 19759	3836.5811	7555.083	1689.558105
## 19770	3354.8049	6594.230	775.951904
## 19773	3457.8872	6815.324	752.126099
## 19774	3449.4028	6763.334	895.197510
## 19777	3346.5635	6515.000	742.821655
## 19782	3800.0569	7342.058	1031.763062
## 19784	3469.1606	6718.550	742.502014
## 19785	3510.7173	6811.766	664.485901
## 19790	3700.8008	7201.819	865.796692
## 19803	3669.8962	7051.564	933.332886
## 19805	3461.9290	6547.414	953.103333
## 19807	3760.1343	7227.613	729.688171
## 19813	3839.9912	7317.818	883.645264
## 19817	3355.6226	6484.999	864.023071
## 19818	3554.3057	6819.446	736.454834
## 19821	3486.9971	6804.689	1145.076660
## 19834	3669.1370	7072.451	821.672974
## 19842	3893.1465	7504.320	992.651001
## 19846	3318.5862	6491.000	815.208130

## 19851	3678.6208	7297.702	1522.480835
## 19856	3600.2734	7066.035	2193.092285
## 19858	3906.7227	7572.499	1799.974121
## 19862	3885.3645	7386.619	1447.518066
## 19866	3746.9453	7144.138	984.428589
## 19869	3667.9197	7191.517	877.930908
## 19874	3910.5381	7403.205	1167.216187
## 19875	3886.3875	7375.808	823.911072
## 19878	3744.0261	7180.160	1395.753418
## 19880	3784.8232	7327.851	777.903992
## 19883	3708.5879	7361.363	493.810303
## 19890	3614.9048	7151.112	1243.855347
## 19893	3478.5830	6797.657	1967.585815
## 19903	3447.1458	6811.292	921.999023
## 19906	3719.8745	7336.541	844.236938
## 19911	3329.9961	6581.002	773.073425
## 19912	3777.2075	7369.999	963.090271
## 19913	3730.1633	7161.250	1162.472412
## 19920	3616.8662	7265.910	454.567261
## 19927	3719.4480	7186.841	1159.230469
## 19931	3671.1963	7084.694	829.914001
## 19932	3612.0869	6984.756	733.674316
## 19935	3457.1355	6630.174	812.067078
## 19940	3447.9463	6656.897	894.263184
## 19945	3752.6101	7147.179	940.456055
## 19953	3540.8792	6826.391	361.540375
## 19957	3670.3083	6965.425	1041.597900
## 19958	3845.5815	7357.181	1073.370239
## 19979	3850.7278	7410.091	1121.436035
## 19982	3832.9443	7412.866	1196.083008
## 19985	3840.8364	7475.001	1064.966064
## 19987	3643.7419	7549.743	1473.335815
## 19988	3792.2114	7372.779	1378.790283
## 19996	3850.8491	7445.109	1489.779053
## 19997	3869.5349	7538.836	2138.458252
## 20005	3262.5173	6672.001	2608.132812
## 20006	3848.3955	7570.659	2213.985840
## 20009	3760.1777	7358.039	1100.911255
## 20011	3749.3923	7284.863	1730.512695
## 20012	3850.4150	7571.852	1679.582397
## 20015	3908.4233	7661.196	1484.677979
## 20023	3668.6777	7251.756	965.684753
## 20028	3594.2793	6804.489	1951.269531
## 20029	3736.9863	7144.672	1338.845337
## 20034	3671.2573	7125.499	1275.589844
## 20052	3760.7456	7392.953	2579.671875
## 20059	3518.8022	7537.194	1594.140991
## 20060	3617.6636	7044.444	1758.581909
## 20062	3548.9949	7014.746	2147.171387
## 20065	3350.8765	6524.999	2870.958740
## 20075	3685.9509	7290.087	1306.741333
## 20081	3320.4749	6600.000	441.377075
## 20084	3447.0012	6820.968	890.474487
## 20085	3483.3308	6883.089	1088.991943

## 20086	3672.4890	7060.785	974.374817
## 20089	3634.9673	7045.108	903.590271
## 20091	3557.9954	6925.000	777.357727
## 20092	3667.4551	7125.000	1208.999878
## 20094	3588.2554	7262.711	697.361206
## 20100	3743.9553	7225.002	1140.514526
## 20102	3609.5786	6973.780	1208.107666
## 20103	3674.2192	7042.710	1284.577271
## 20117	3365.7319	6472.001	1210.466064
## 20118	3565.7087	6772.916	892.533081
## 20127	3664.9019	7007.448	522.371643
## 20132	3502.9746	6810.609	1065.460571
## 20137	3338.0859	6496.999	584.253113
## 20146	3356.4822	6521.001	928.619019
## 20147	3724.6877	7175.432	1100.975830
## 20149	3852.4922	7504.168	1265.770874
## 20151	3819.1213	7512.134	1180.507568
## 20164	2584.1389	6518.000	11.897120
## 20165	3681.1377	6792.553	1686.374512
## 20167	3717.9080	6865.743	1006.271301
## 20168	3792.6899	7565.967	928.070557
## 20182	3745.2688	7117.911	1330.191650
## 20188	3823.5254	7377.429	552.839233
## 20190	3820.0193	7279.569	1581.689331
## 20191	3795.8616	7208.537	1318.566895
## 20196	3343.1262	6359.001	999.684021
## 20199	3875.0381	7488.638	1252.255127
## 20218	3909.7429	7694.963	480.179413
## 20224	3514.1616	6664.395	470.850128
## 20225	3501.4922	6720.454	351.783997
## 20228	3710.7529	7493.562	227.327240
## 20244	3181.1821	6521.000	571.588684
## 20245	3306.0706	6498.000	761.812744
## 20246	3422.6875	6712.501	535.890503
## 20254	3360.5845	6512.500	1239.709106
## 20272	3351.6672	6504.001	2267.322266
## 20273	3813.4280	7384.500	1725.126587
## 20274	3431.0962	6583.036	2028.992798
## 20279	3358.5662	6486.002	843.026672
## 20283	3862.8416	7508.159	2018.206055
## 20286	3838.0676	7364.189	1749.913208
## 20301	3492.0063	6650.781	1804.530884
## 20309	3967.2927	7526.472	1403.817749
## 20312	3908.2307	7574.381	1124.861694
## 20317	3628.4006	6952.718	1234.723999
## 20329	3880.4504	7534.843	960.774353
## 20330	3870.1846	7495.607	1105.229004
## 20339	2998.6899	6527.001	144.471344
## 20340	3360.0925	6276.001	1778.507324
## 20345	3832.7898	7380.801	1685.670410
## 20358	3633.4656	6915.000	1032.527832
## 20360	3437.9797	6554.312	1694.812500
## 20373	3955.6199	7573.451	1384.158691
## 20375	3951.1057	7542.522	1422.837158

## 20376	3901.3794	7524.855	994.512573
## 20379	3919.7876	7488.597	1375.872192
## 20380	3920.5435	7349.885	1312.111572
## 20382	3901.0823	7535.972	1079.797974
## 20385	3924.0398	7566.000	1297.475708
## 20387	3344.7690	6468.000	1129.608765
## 20391	3619.9116	6931.771	1569.949585
## 20399	3612.3616	6905.357	1759.210693
## 20400	3711.0356	7158.771	2515.689453
## 20414	3330.1772	6452.000	796.105042
## 20419	3791.2849	7507.315	663.376587
## 20427	3263.5547	6485.000	866.801941
## 20436	3795.9148	7449.039	1095.792358
## 20442	3719.2996	7493.809	824.350281
## 20444	3668.8982	7345.955	771.786072
## 20448	3866.2043	7429.841	651.268188
## 20458	3843.6292	7481.143	2132.847412
## 20466	3942.3743	7588.536	1250.409302
## 20469	3950.3506	7471.613	1776.554077
## 20470	3804.8032	7654.729	685.406860
## 20478	3970.6274	7474.408	1419.823975
## 20481	3954.3518	7483.944	1542.441895
## 20491	3356.5532	6414.999	848.600525
## 20493	3896.5061	7578.661	1261.101074
## 20495	3891.2849	7562.218	1450.873535
## 20500	3930.9512	7462.417	1459.787354
## 20503	3811.4172	7466.298	1426.554565
## 20513	3983.6318	7404.335	1063.456421
## 20516	3760.9949	7148.549	733.390503
## 20518	3841.7595	7326.457	1060.441284
## 20528	3928.1853	7554.329	1613.615601
## 20539	3917.2087	7355.086	1564.623535
## 20540	3895.9368	7322.759	1400.632690
## 20541	3950.2129	7597.054	1456.378906
## 20542	3905.1736	7583.084	1432.459473
## 20547	3907.8398	7607.170	1342.775757
## 20548	3495.9763	6576.615	1709.003540
## 20558	3614.0840	7115.761	1042.084106
## 20563	3782.1406	7619.156	999.335938
## 20569	3692.9651	7321.155	481.794525
## 20578	3534.7312	6980.264	396.392883
## 20588	3705.6584	7305.738	1437.206177
## 20590	3442.7610	6778.333	1380.732666
## 20591	3701.3916	7288.793	923.558472
## 20592	3732.6609	7309.230	1050.822998
## 20606	3702.5718	7213.636	1473.125610
## 20613	3718.8132	7177.193	1515.012451
## 20617	3683.4221	7069.899	2098.252686
## 20618	3615.6836	6895.733	1130.076660
## 20622	3793.1128	7208.561	1341.266357
## 20623	3762.7534	7246.268	1080.639771
## 20637	3494.2109	6794.532	1784.133301
## 20641	3648.7371	6894.318	1413.786987
## 20646	3472.5251	6720.968	849.746826

## 20647	3488.2378	6799.221	1115.370239
## 20660	3613.2275	7052.978	977.247009
## 20667	3712.6501	7284.734	952.285461
## 20668	3127.5549	7234.822	120.408257
## 20671	3358.6362	6379.000	1077.695801
## 20681	3960.7654	7397.416	2137.170166
## 20684	3390.8491	6337.501	501.073578
## 20694	3357.7771	6240.000	889.193054
## 20701	3527.0571	6655.303	1207.343872
## 20709	3756.8931	7090.167	1494.562744
## 20713	3855.2273	7478.815	828.315857
## 20717	3752.1250	7411.765	1267.146729
## 20718	3865.7244	7601.277	1273.507202
## 20730	3305.6235	6417.999	658.391235
## 20736	3940.8875	7622.652	1507.211670
## 20739	3343.7083	6444.000	1090.872559
## 20755	3309.2073	6446.000	818.362732
## 20764	3962.2134	7530.128	1665.551270
## 20766	3362.1294	6339.000	1058.618896
## 20767	3959.1321	7573.625	1373.890259
## 20769	3870.0298	7400.169	1167.947510
## 20770	3881.6968	7451.220	1462.880859
## 20771	3748.6799	7297.094	1279.023071
## 20775	3530.1104	6710.296	861.932678
## 20785	3910.3608	7526.977	1303.765991
## 20786	3932.1382	7596.373	1403.497070
## 20790	3386.2473	6396.154	2290.586670
## 20793	3426.9517	6593.967	968.612976
## 20795	3715.6108	7399.420	775.051514
## 20796	3708.3640	7257.202	2055.201416
## 20798	3777.1907	7263.001	1395.557617
## 20802	3799.2742	7489.362	1547.766479
## 20803	3304.0615	6552.999	2310.976074
## 20804	3744.4766	7379.930	1841.703979
## 20808	3714.2065	7390.754	688.470398
## 20823	3699.7522	7338.078	1174.559692
## 20837	3710.9824	7190.456	1136.413940
## 20845	3857.1089	7361.057	1516.190308
## 20846	3366.5574	6464.002	1124.846680
## 20847	3752.7896	7193.146	1348.224243
## 20856	3439.9304	6524.999	707.750854
## 20859	3412.0261	6560.186	745.012268
## 20863	3349.2256	6532.001	1202.122314
## 20865	3551.1289	6828.474	824.813416
## 20866	3370.1008	6415.001	974.687561
## 20867	3736.0320	7099.569	1277.539917
## 20873	3528.2488	6819.120	1838.107178
## 20875	3827.1697	7439.357	1047.570557
## 20880	3512.4324	6732.577	1325.578369
## 20898	3757.3862	7246.623	1064.641113
## 20901	3739.9023	7215.529	1438.238159
## 20906	3320.9790	6490.000	965.760620
## 20924	3742.1201	7395.072	1248.451172
## 20925	3803.5896	7496.969	1703.447388

## 20928	3719.3604	7357.190	522.434753
## 20930	3433.2798	6825.782	205.784561
## 20943	3742.5530	7282.309	1348.951660
## 20946	3767.6392	7410.978	1419.211426
## 20950	3717.5735	7202.083	967.597839
## 20953	3668.3359	7161.274	1176.205566
## 20956	3654.1416	7110.871	1368.804932
## 20961	3715.3936	7165.454	1428.542358
## 20964	3726.7195	7147.368	1698.054810
## 20968	3683.2026	7014.796	1267.125977
## 20975	3357.3975	6443.000	559.816772
## 20991	3592.4536	6786.844	1491.437256
## 20994	3650.9133	7092.021	1317.439697
## 20998	3487.7104	6777.345	1025.018188
## 20999	3468.2085	6729.034	860.431091
## 21011	3718.0461	6642.726	1236.980103
## 21021	3823.0020	7364.461	1144.406494
## 21022	3723.8640	7238.078	824.477356
## 21028	3840.1880	7556.303	2173.493164
## 21033	3365.2256	6647.223	356.049194
## 21040	3338.0757	6582.000	1553.977051
## 21041	3715.1433	7309.426	1545.379761
## 21048	3790.3367	7393.293	1328.889526
## 21055	3666.7048	7099.511	900.492126
## 21056	3463.0391	6725.807	839.202087
## 21059	3627.0945	7205.455	1136.476440
## 21062	3765.1875	7244.696	1647.967407
## 21070	3676.4133	7091.837	953.909485
## 21085	3372.6672	6419.999	329.309967
## 21093	3579.2126	6853.290	1134.196655
## 21104	3379.4619	6531.732	760.723206
## 21108	3578.3931	6872.369	1207.856689
## 21110	3368.2063	6489.000	932.589355
## 21111	3395.6123	6428.846	1641.387817
## 21117	3374.8567	6522.115	1104.892700
## 21119	3388.5305	6628.705	934.329224
## 21121	3736.9937	7195.418	1759.710815
## 21125	3477.4268	6712.904	902.063416
## 21127	3635.2520	7067.391	1204.037231
## 21133	3433.8484	6636.608	1208.785645
## 21138	3748.4524	7192.339	1552.306885
## 21143	3463.2605	6512.070	1199.811279
## 21162	3727.6951	7244.445	698.713196
## 21163	3652.5813	7122.396	593.063416
## 21169	3924.6086	7533.262	936.025513
## 21170	3909.0002	7446.858	932.402527
## 21181	3860.3611	7290.932	1289.094604
## 21187	3910.8428	7620.531	1452.000000
## 21188	3792.8242	7329.747	1628.241455
## 21195	3874.7629	7517.327	1163.753174
## 21197	3513.3931	6807.578	1867.802979
## 21198	3685.7278	7151.364	875.204712
## 21201	3875.2588	7617.388	1025.770630
## 21208	3585.5979	7110.417	285.747345

## 21213	3921.2627	7641.464	1230.464233
## 21215	3828.5596	7378.343	1395.550049
## 21217	3365.8606	6849.194	721.109558
## 21221	3868.9033	7307.601	2082.815430
## 21224	3853.2571	7735.668	1184.764404
## 21232	3664.8093	7067.787	657.229309
## 21236	3732.0010	7311.540	469.036591
## 21240	3327.5444	6544.001	1253.242432
## 21246	3650.5581	7127.500	1194.933105
## 21249	3333.9487	6538.000	1523.420776
## 21266	3832.1707	7089.046	1360.305054
## 21267	3721.4158	6995.001	844.688538
## 21269	3604.3865	6752.978	1675.502075
## 21271	3937.7795	7607.636	1695.004883
## 21274	3708.8616	7157.592	1934.671143
## 21275	3810.6272	7324.140	1826.044189
## 21280	3459.5632	6795.395	758.625854
## 21285	3826.3047	7697.483	182.432663
## 21287	3841.2747	7633.629	329.138397
## 21288	3217.9031	6487.000	4.796056
## 21299	3689.3833	7532.966	156.180634
## 21301	3713.7039	7185.229	246.252548
## 21303	3470.8389	6771.623	128.530792
## 21304	3329.2458	6406.001	147.494019
## 21322	3790.4189	7084.859	1382.156982
## 21329	3358.2642	6638.891	1684.889404
## 21331	3471.8691	6915.153	765.547852
## 21333	3539.1636	6895.270	1661.832642
## 21341	3713.3367	7330.001	1375.602051
## 21345	3730.9956	7352.614	1235.774048
## 21346	3337.3774	6594.001	981.757324
## 21355	3700.1396	7147.272	1349.769653
## 21360	3286.9819	6750.001	291.033600
## 21364	3370.7954	6457.001	1420.648438
## 21389	3587.6411	6850.001	415.564941
## 21390	3651.3145	6967.613	409.331482
## 21391	3540.3899	6775.735	363.071075
## 21392	3659.6040	7056.916	1649.483643
## 21393	3841.4412	7389.109	948.985596
## 21398	3529.2463	6655.303	1527.634521
## 21401	3378.5649	6608.654	1694.348145
## 21404	3404.2095	6581.481	2107.507568
## 21405	3722.9236	7216.666	1166.617065
## 21411	3401.5806	6583.334	1066.385986
## 21413	3365.7249	6458.000	1313.580444
## 21420	3350.7578	6563.001	1531.297852
## 21421	3545.4316	7028.947	1706.089355
## 21424	3876.4424	7517.500	1306.698608
## 21430	3738.5317	6962.282	1896.526123
## 21434	3612.4204	6762.502	1012.088013
## 21440	3375.8438	6300.000	1533.148193
## 21448	3787.3398	7393.752	1061.089722
## 21455	3737.8264	7134.275	1300.958374
## 21456	3763.0913	7083.985	1103.665039

## 21457	3871.3782	7430.347	657.698975
## 21458	3907.6016	7255.767	1279.070435
## 21461	3319.2996	6470.000	1068.636963
## 21475	3334.5889	6474.000	1269.691284
## 21488	3373.1980	6303.001	2755.262939
## 21500	3501.8506	6624.220	829.074341
## 21510	3714.7229	7179.032	753.986206
## 21519	3394.3518	6721.553	92.815155
## 21525	3877.2634	7569.532	1034.446655
## 21531	3542.3062	6848.028	627.177368
## 21546	3859.1694	7525.705	1040.573975
## 21549	3564.1680	6965.854	529.779541
## 21550	3850.2324	7517.676	838.635681
## 21551	3751.0437	7285.001	926.420959
## 21557	3672.4653	7026.923	1013.298828
## 21564	3595.6016	6826.282	1176.199341
## 21570	3276.5303	6569.000	267.524261
## 21576	3538.3474	6803.573	1838.375732
## 21579	3841.6611	7569.423	1256.734375
## 21585	3605.5344	7151.667	783.291077
## 21587	3557.4810	6998.685	828.562866
## 21593	3538.1743	6874.326	1896.468262
## 21599	3423.3306	6796.668	1364.266357
## 21600	3692.0620	7237.931	2101.749023
## 21604	3727.6077	7391.464	244.162537
## 21613	3689.5608	7331.667	584.309509
## 21618	3750.4033	7190.150	1291.378296
## 21621	3411.1416	6629.464	872.387817
## 21628	3664.3098	7122.917	1051.517334
## 21635	3458.2585	6621.553	1874.084595
## 21636	3414.0181	6572.223	1029.207153
## 21638	3830.3103	7406.117	1196.373779
## 21639	3770.0017	7224.252	1283.673584
## 21641	3365.9968	6448.000	1383.784302
## 21644	3378.9766	6241.000	1805.910522
## 21655	3512.1033	6688.281	326.431885
## 21660	3365.8486	6496.154	366.600800
## 21666	3375.8105	6389.001	1372.634399
## 21670	3861.9050	7481.780	1674.599243
## 21672	3834.2249	7457.708	1138.313354
## 21674	3716.7500	7121.431	1566.167114
## 21689	3357.5962	6521.000	1549.688477
## 21690	3829.3938	7409.510	1441.779053
## 21692	3350.2478	6513.001	1424.447876
## 21693	3734.1035	7245.083	1144.470459
## 21694	3900.2859	7541.092	1519.965454
## 21695	3560.1611	6876.390	1363.304443
## 21696	3920.3140	7575.987	1439.304077
## 21702	3886.8369	7702.837	1095.852173
## 21705	3737.5637	7241.797	550.367371
## 21709	3921.6050	7500.335	902.092712
## 21710	3853.3433	7439.785	802.817505
## 21711	3883.8230	7325.000	1352.877075
## 21714	3935.6274	7684.076	1223.995850

## 21719	3538.1665	6928.291	1341.239624
## 21723	3880.0098	7625.249	971.017761
## 21732	3847.0898	7597.765	716.804871
## 21738	3684.5088	7208.333	1474.925171
## 21755	3910.6406	7687.623	907.711182
## 21762	3926.0271	7659.056	1286.179565
## 21765	3710.4331	7216.537	1555.476929
## 21766	3637.6204	7142.272	1030.312622
## 21768	3854.1194	7527.719	1246.386475
## 21782	3645.1848	7014.167	349.520081
## 21783	3421.8425	6529.167	1141.249268
## 21788	3820.9651	7424.493	1123.745972
## 21790	3856.6580	7513.696	1688.065552
## 21802	3936.7297	7656.985	1319.006958
## 21806	3930.4087	7648.334	1349.810547
## 21814	3458.5977	6772.583	609.215210
## 21817	3697.5332	7196.553	671.712219
## 21818	3757.0422	7374.678	1272.290161
## 21820	3675.8337	7162.965	1224.247437
## 21825	3808.5525	7555.646	1127.428223
## 21826	3578.5432	7001.251	1718.354736
## 21841	3676.9807	7237.869	1491.532593
## 21850	3495.6887	7008.574	2248.778809
## 21857	3283.6665	6554.000	695.454102
## 21858	3584.3110	6981.411	1986.425903
## 21868	3376.7646	6619.231	2076.173096
## 21871	3879.6348	7585.615	2087.409912
## 21881	3837.9060	7436.818	2128.209473
## 21884	3900.3660	7505.480	2099.193359
## 21885	3759.9312	7506.111	1460.426392
## 21889	3758.0564	7208.594	1843.994995
## 21895	3908.6292	7693.964	1709.343262
## 21900	3863.6145	7641.965	1431.151245
## 21904	3641.5696	7065.178	1048.911987
## 21911	3951.4133	7628.012	1606.767578
## 21919	3953.5066	7617.256	1267.069092
## 21920	3382.5537	6348.077	1060.621460
## 21928	3865.6863	7355.387	2081.674561
## 21952	3746.0896	7349.108	780.298645
## 21967	3368.0840	6480.771	1405.291626
## 21969	3337.5120	6553.001	1022.517456
## 21978	3962.9160	7472.899	1847.668335
## 21980	3959.4456	7593.812	2339.271973
## 21981	3886.9177	7572.650	2843.410889
## 21985	3181.3672	6566.000	96.535622
## 21990	3582.3376	7005.626	2863.206543
## 21991	3370.0374	6555.769	2283.906982
## 21993	3784.4417	7469.167	2178.282715
## 21997	3350.9312	6518.000	1252.859497
## 21998	3806.9839	7365.663	1634.563843
## 22007	3825.6638	7441.414	2165.186035
## 22011	3422.3733	6645.690	1460.207275
## 22012	3350.4866	6459.001	2463.627930
## 22013	3721.7117	7183.188	2453.095703

## 22014	3455.0632	6680.000	1745.303223
## 22016	3682.2627	7171.633	1431.493530
## 22019	3655.9702	7110.851	1480.217651
## 22027	3564.7805	6957.896	808.226990
## 22036	3851.5586	7567.611	1327.375244
## 22042	3578.1482	6931.250	1427.181641
## 22049	2863.8745	6964.288	322.024994
## 22056	3668.1594	7145.919	1886.275635
## 22060	3347.8584	6555.001	1263.877808
## 22067	3480.9519	6741.130	1797.383667
## 22079	3645.1624	6981.979	2939.635498
## 22081	3874.5864	7435.664	2328.589355
## 22085	3812.0833	7483.929	1514.179199
## 22099	3361.2300	6433.000	1644.183350
## 22106	3858.8542	7484.000	867.927856
## 22107	3955.6538	7625.364	1681.500610
## 22111	3654.8442	6999.479	1919.639893
## 22120	3504.4009	6990.791	709.046936
## 22122	3843.3071	7574.999	1165.343750
## 22124	3840.3811	7622.039	776.090576
## 22131	3409.3174	7007.143	860.288391
## 22141	3742.9324	7097.693	1733.191895
## 22142	3730.1536	7057.255	1154.951416
## 22146	3787.3645	7239.941	1622.933838
## 22153	3728.3611	7330.786	2055.160889
## 22155	3598.4390	7352.106	1169.298218
## 22162	3550.2339	6973.686	1034.421631
## 22164	3628.9773	7148.405	780.787964
## 22169	3518.2749	6947.919	641.115540
## 22172	3796.3157	7508.001	649.372314
## 22183	3182.0383	7475.299	1177.547852
## 22185	3949.7725	7506.696	1376.906006
## 22200	3927.6516	7427.691	1082.305908
## 22202	3906.8379	7415.955	1239.065552
## 22206	3872.9568	7490.049	1428.078613
## 22214	3832.3271	7257.401	1659.331421
## 22216	3932.3257	7432.227	1319.016724
## 22217	3943.6458	7519.819	1206.437012
## 22226	3905.2986	7453.773	1421.028809
## 22229	3864.5623	7363.413	1783.913452
## 22238	3895.7554	7738.215	1105.157837
## 22239	3832.8640	7579.646	1356.616577
## 22247	3379.0315	6637.037	1808.720215
## 22248	3775.5732	7454.216	1834.893799
## 22253	3524.0854	6517.426	961.971069
## 22265	3599.2397	6923.256	137.524765
## 22267	3314.5342	6528.000	177.408615
## 22275	3327.5684	6612.001	720.593201
## 22296	3426.6582	6554.839	1038.638306
## 22302	3545.4827	6967.105	771.689392
## 22307	3770.9851	7322.501	1720.197266
## 22312	3576.8521	6983.553	1347.959106
## 22314	3323.2554	6602.001	1555.703613
## 22316	3613.3569	7064.025	1942.306152

## 22322	3600.2502	7186.627	417.424347
## 22325	3509.5559	6698.438	2497.654297
## 22329	3620.5396	7027.082	762.819214
## 22330	3415.4856	6571.430	1773.783447
## 22333	3763.0327	7480.001	2260.123779
## 22334	3226.3149	6657.000	1603.918457
## 22338	3490.1262	6856.618	1466.782104
## 22341	3731.6357	7394.642	1907.808228
## 22342	3361.9854	6408.000	1574.993896
## 22343	3735.4724	7167.918	2312.136230
## 22346	3754.0635	7281.716	2020.075073
## 22355	3458.5374	6629.840	1328.042480
## 22366	3942.4194	7487.495	1317.865601
## 22386	3341.5081	6321.000	844.347717
## 22402	3908.3582	7515.587	1395.345093
## 22403	3742.7678	7230.712	1102.571167
## 22406	3401.6279	6580.174	1006.500732
## 22410	3695.3176	7273.636	2167.906006
## 22412	3687.5972	7352.964	1749.703003
## 22413	3665.6841	7265.567	2077.262207
## 22417	3345.7761	6587.000	1875.644165
## 22420	3425.3608	6636.607	1300.232300
## 22425	3648.6248	7277.450	1590.272095
## 22429	3439.9456	6567.856	1703.970947
## 22430	3364.6814	6486.000	1410.383911
## 22431	3910.2920	7588.710	2231.418213
## 22434	3882.1772	7471.428	1472.420654
## 22436	3821.3438	7498.144	847.475586
## 22443	3629.7378	7030.557	1025.236206
## 22446	3885.5833	7550.597	965.172852
## 22458	3909.0767	7563.160	1442.809692
## 22463	3624.8782	6949.445	1549.077393
## 22465	3875.8223	7497.368	1517.084595
## 22493	3335.8088	6545.001	1227.578369
## 22494	3336.8967	6508.000	702.832031
## 22495	3677.6577	7199.018	3081.295166
## 22496	3748.0010	7299.242	1703.400635
## 22506	3599.6899	7152.224	913.422363
## 22515	3567.0408	6889.866	2096.983154
## 22522	3935.3315	7586.220	727.273743
## 22525	3690.1008	6992.858	512.833618
## 22529	3846.6628	7458.401	1123.316895
## 22535	3633.2407	6973.865	3601.075195
## 22539	3530.4651	6759.287	1911.295410
## 22540	3315.9136	6641.966	478.022675
##	\t\nfundamental_freq_mn motion_dist_mn label		
## 4	96.59550	0.246416	1
## 6	109.96493	0.270214	1
## 9	122.91135	0.657833	1
## 18	130.83507	0.574563	1
## 19	105.81737	0.318818	1
## 20	132.85648	0.721467	1
## 21	129.22937	0.353245	1
## 24	119.35387	0.795117	1

## 29	125.99936	0.859254	1
## 31	120.45066	0.363259	1
## 38	105.07435	0.342860	1
## 42	144.32083	0.484070	1
## 43	73.44726	0.377483	1
## 44	112.36426	0.493036	1
## 46	135.26399	0.490714	1
## 47	100.16201	0.539701	1
## 48	121.79328	0.807154	1
## 52	106.23595	0.562158	1
## 55	118.45833	0.320479	1
## 59	118.28268	0.566865	1
## 61	126.39990	0.631159	1
## 68	96.51727	0.780240	1
## 71	99.40066	0.545251	1
## 73	85.72674	0.711344	1
## 84	116.22454	0.617285	1
## 100	123.25135	0.441873	1
## 109	78.17009	0.294286	1
## 114	101.83175	0.431442	1
## 117	86.15765	0.572051	1
## 121	124.23515	0.240792	1
## 126	107.50905	0.595114	1
## 129	107.01436	0.677512	1
## 135	80.76405	0.274573	1
## 147	131.12036	0.355664	1
## 166	127.39005	0.741327	1
## 167	126.04759	0.702755	1
## 169	122.35375	0.637668	1
## 172	122.36344	0.356812	1
## 175	102.25733	0.718828	1
## 178	85.57060	0.761098	1
## 187	112.09047	0.594221	1
## 188	106.16689	0.300522	1
## 194	121.63888	0.587358	1
## 212	158.05783	0.660322	1
## 213	120.28857	0.798878	1
## 221	114.36339	0.574022	1
## 226	113.55130	0.602342	1
## 229	108.24412	0.800095	1
## 230	112.88564	0.803256	1
## 236	135.54086	0.266682	1
## 237	97.21646	0.425437	1
## 240	85.62575	0.330974	1
## 242	105.22089	0.446210	1
## 248	105.77333	0.760434	1
## 249	99.96263	0.634644	1
## 251	100.97983	0.737766	1
## 255	91.76530	0.634813	1
## 262	115.98168	0.311034	1
## 263	106.46784	0.229622	1
## 267	100.17693	0.320862	1
## 275	86.16494	0.470793	1
## 276	91.39331	0.125488	1

## 286	123.14903	0.523963	1
## 297	137.42143	0.503065	1
## 302	130.99049	0.583927	1
## 309	145.13989	0.778297	1
## 310	142.24831	0.571746	1
## 312	125.32581	0.510690	1
## 319	103.08019	0.231567	1
## 330	131.86791	0.174861	1
## 331	99.20594	0.277510	1
## 334	123.54860	0.096699	1
## 345	117.87740	0.454465	1
## 372	131.98390	0.644214	1
## 374	135.02907	0.631217	1
## 383	136.46173	0.431195	1
## 388	135.87611	0.831051	1
## 390	127.13132	0.719552	1
## 391	112.67027	0.611665	1
## 397	123.33459	0.846671	1
## 399	112.86958	0.880897	1
## 400	105.03716	0.804915	1
## 401	105.29960	0.555560	1
## 406	142.43605	0.498908	1
## 410	130.93617	0.420537	1
## 416	113.31863	0.588702	1
## 424	169.93964	0.441828	1
## 432	110.39801	0.467595	1
## 439	128.24965	0.352028	1
## 442	129.94943	0.580838	1
## 445	92.75187	0.530923	1
## 451	119.74844	0.742606	1
## 454	108.04138	0.554381	1
## 456	124.70068	0.757560	1
## 476	95.90594	0.324329	1
## 477	97.14417	0.715288	1
## 478	119.48971	0.364414	1
## 480	113.27387	0.644964	1
## 488	94.64173	0.603085	1
## 498	138.21834	0.518834	1
## 503	133.70337	0.290228	1
## 506	115.96018	0.487000	1
## 515	100.49901	0.271998	1
## 516	112.36357	0.755789	1
## 522	118.56064	0.508500	1
## 535	108.90923	0.541073	1
## 542	93.21424	0.394359	1
## 547	118.61744	0.551003	1
## 548	111.28497	0.412757	1
## 556	130.00282	0.484108	1
## 588	93.69703	0.592957	1
## 596	74.24743	0.425571	1
## 601	96.51023	0.618526	1
## 602	83.41444	0.561395	1
## 604	108.86739	0.789312	1
## 605	110.50977	0.847342	1

## 622	100.94555	0.397042	1
## 624	107.10870	0.597022	1
## 628	97.29712	0.938336	1
## 643	94.77895	0.327299	1
## 646	93.22729	0.434099	1
## 651	119.73391	0.730655	1
## 654	92.61844	0.503017	1
## 655	96.93000	0.556925	1
## 658	95.43667	0.502764	1
## 659	96.23841	0.580640	1
## 662	108.95976	0.877762	1
## 669	92.48734	0.542532	1
## 670	117.08097	0.657023	1
## 674	87.17960	0.278783	1
## 675	114.58286	0.745099	1
## 681	114.95052	0.490237	1
## 689	121.50295	0.964414	-1
## 690	119.03980	0.963388	-1
## 693	91.12653	0.737410	-1
## 695	112.10494	0.799160	-1
## 698	92.95077	0.615199	-1
## 699	86.42084	0.734325	-1
## 700	137.11705	0.877551	-1
## 701	141.16469	0.971245	-1
## 706	122.95378	0.981842	-1
## 709	125.67818	0.957415	-1
## 710	118.32690	0.420483	-1
## 717	106.22164	0.647030	-1
## 719	135.26924	0.981066	-1
## 724	114.57057	0.836215	1
## 734	99.17401	0.853684	1
## 740	100.89208	0.474005	1
## 743	103.34930	0.330134	1
## 763	114.36437	0.914443	1
## 765	83.76127	0.859024	1
## 780	94.88088	0.450447	1
## 781	105.88295	0.479943	1
## 782	108.71175	0.799571	1
## 783	123.02663	0.836220	1
## 788	125.92649	0.576116	1
## 789	138.35710	0.639332	1
## 791	110.66372	0.620517	1
## 792	118.15709	0.524420	1
## 806	79.64806	0.427147	1
## 819	123.72526	0.782722	-1
## 823	137.62349	0.789589	-1
## 825	125.17243	0.747308	-1
## 826	101.47414	0.830492	-1
## 827	135.84079	0.540152	-1
## 838	82.76281	0.810312	1
## 841	104.03377	0.495962	1
## 844	92.17122	0.653530	1
## 846	71.34737	0.498231	1
## 849	87.47468	0.477859	1

## 851	100.06088	0.359470	1
## 854	108.17912	0.380005	1
## 859	95.07631	0.743987	1
## 867	110.35213	0.656733	1
## 870	112.81216	0.425455	1
## 872	123.17705	0.558527	1
## 889	115.60287	0.395677	1
## 894	115.63518	0.435923	1
## 898	155.77753	0.959907	-1
## 900	123.36079	0.627017	-1
## 907	148.54353	0.609120	-1
## 911	143.09723	0.932976	-1
## 912	146.19669	0.910880	-1
## 914	112.76216	0.836612	-1
## 917	119.46285	0.709504	-1
## 919	122.01512	0.637115	-1
## 920	117.23950	0.584921	1
## 922	78.29197	0.416749	1
## 923	73.23676	0.323218	1
## 932	102.12580	0.541850	1
## 943	119.93237	0.396480	1
## 979	135.34895	0.495275	1
## 1007	90.59128	0.625585	-1
## 1009	124.05161	0.749778	-1
## 1011	140.89416	0.797308	-1
## 1016	149.93254	0.657119	-1
## 1024	141.37006	0.695725	-1
## 1025	149.11636	0.650345	-1
## 1032	122.98673	0.639105	-1
## 1046	137.47649	0.776771	-1
## 1048	142.12686	0.977053	-1
## 1060	146.03619	0.724048	-1
## 1073	139.65804	0.804972	-1
## 1086	96.69271	0.852239	1
## 1103	103.59309	0.729278	1
## 1105	110.66086	0.501644	1
## 1106	106.80785	0.389176	1
## 1107	102.86848	0.560164	1
## 1112	109.04297	0.630721	1
## 1116	84.72598	0.629154	1
## 1124	86.79961	0.354601	1
## 1126	103.17073	0.474972	1
## 1128	106.16421	0.457219	1
## 1130	81.10636	0.454684	1
## 1132	111.20779	0.776777	1
## 1135	127.53966	0.851443	-1
## 1141	131.21779	0.800427	-1
## 1148	102.04931	0.656845	-1
## 1154	119.64978	0.779537	-1
## 1158	131.83408	0.665491	-1
## 1163	126.67291	0.470971	-1
## 1164	108.37269	0.437224	-1
## 1166	125.22056	0.374410	-1
## 1167	131.98946	0.365126	-1

## 1173	115.37463	0.611294	-1
## 1175	104.62743	0.421308	1
## 1180	112.40252	0.555430	1
## 1186	109.28926	0.376037	1
## 1189	134.04733	0.604540	1
## 1191	128.92728	0.487825	1
## 1197	88.12867	0.596640	1
## 1203	103.90408	0.385858	1
## 1207	120.35490	0.837107	1
## 1209	104.50633	0.688057	1
## 1218	101.57907	0.334179	1
## 1221	143.12724	0.651548	1
## 1228	111.33044	0.376535	1
## 1237	142.63284	0.809417	-1
## 1240	146.47209	0.784083	-1
## 1267	95.01532	0.621496	-1
## 1270	86.94614	0.231757	1
## 1271	76.93539	0.385610	1
## 1272	70.84216	0.396660	1
## 1273	78.87672	0.343188	1
## 1274	87.39915	0.719032	1
## 1275	92.03741	0.616597	1
## 1276	93.45640	0.495029	1
## 1278	96.55679	0.508697	1
## 1290	111.49969	0.905317	1
## 1292	81.11272	0.385033	1
## 1305	74.69600	0.692949	1
## 1323	117.58590	0.651845	1
## 1324	145.18883	0.487121	1
## 1326	112.60188	0.494086	1
## 1345	153.46669	0.879965	-1
## 1348	95.03434	0.828567	-1
## 1352	163.39070	0.703414	1
## 1353	161.59563	0.247767	1
## 1354	100.42217	0.275849	1
## 1355	104.64624	0.617001	1
## 1358	114.11627	0.775862	1
## 1366	105.74076	0.638077	1
## 1370	112.73408	0.911290	1
## 1371	108.69803	0.832619	1
## 1386	118.58437	0.885186	1
## 1387	125.54293	0.345704	1
## 1392	123.27232	0.919871	1
## 1395	126.79310	0.879132	-1
## 1411	137.70900	0.848565	-1
## 1419	122.23236	0.791056	-1
## 1421	140.81235	0.937833	-1
## 1430	105.65399	0.308191	1
## 1432	86.07272	0.844907	1
## 1435	104.22861	0.903503	1
## 1438	110.09689	0.895454	1
## 1439	73.83911	0.754277	1
## 1442	139.09222	0.406589	1
## 1446	128.28169	0.778633	1

## 1453	97.28542	0.534867	1
## 1460	95.36504	0.490793	1
## 1466	111.29864	0.714938	1
## 1468	134.26350	0.502772	1
## 1472	104.64956	0.625773	1
## 1474	122.63519	0.498641	1
## 1479	117.64352	0.808646	1
## 1480	105.61715	0.717879	1
## 1481	114.35761	0.295850	1
## 1482	102.74258	0.254513	1
## 1501	135.25557	0.721686	-1
## 1508	115.51111	0.802067	-1
## 1520	133.66988	0.806817	-1
## 1524	142.32558	0.626588	-1
## 1530	108.36885	0.734501	-1
## 1536	135.03189	0.858815	-1
## 1537	127.23019	0.808331	-1
## 1540	123.00827	0.636921	-1
## 1562	91.19074	0.535115	-1
## 1593	116.10821	0.738225	-1
## 1598	94.81346	0.870160	-1
## 1605	113.67636	0.630008	-1
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## 1625	124.58185	0.741152	-1
## 1628	116.24226	0.784529	-1
## 1636	117.24086	0.693011	-1
## 1640	112.97244	0.895575	-1
## 1641	118.97839	0.857950	-1
## 1643	114.41528	0.610261	-1
## 1645	112.01192	0.705752	-1
## 1651	112.31928	0.660588	-1
## 1656	103.82317	0.569725	-1
## 1657	116.13145	0.781367	-1
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## 1678	104.05960	0.684630	-1
## 1679	107.91758	0.830930	-1
## 1684	129.51964	0.821424	-1
## 1701	145.78126	0.768228	-1
## 1702	136.41791	0.784082	-1
## 1707	149.01741	0.856882	-1
## 1711	138.42221	0.781190	-1
## 1717	131.72192	0.790398	-1
## 1718	144.54399	0.953701	-1
## 1721	102.90415	0.704608	-1
## 1722	108.66100	0.980336	-1
## 1733	109.85510	0.531854	1
## 1735	127.86633	0.598588	1
## 1745	102.76923	0.357629	1
## 1758	105.88240	0.785809	1
## 1760	135.08241	0.278713	1
## 1764	83.13119	0.471335	1
## 1765	91.06371	0.264706	1
## 1774	76.45867	0.551661	1

## 1779	127.55878	0.807599	1
## 1788	118.73999	0.620198	1
## 1793	137.41432	0.789267	-1
## 1794	143.92920	0.841008	-1
## 1796	149.15451	0.790718	-1
## 1797	138.46400	0.475158	-1
## 1800	126.26903	0.531020	-1
## 1801	131.91362	0.793828	-1
## 1806	144.92835	0.855774	-1
## 1821	146.42889	0.855852	-1
## 1826	105.97336	0.528031	-1
## 1834	110.06774	0.651512	1
## 1838	145.70415	0.279717	1
## 1840	113.99429	0.553381	1
## 1860	116.81432	0.437176	1
## 1869	138.43268	0.371743	1
## 1875	117.80936	0.299613	1
## 1877	87.17091	0.460210	1
## 1881	148.26628	0.722497	-1
## 1893	117.74165	0.772840	-1
## 1895	126.55525	0.784416	-1
## 1915	107.10259	0.525392	-1
## 1923	123.51331	0.263842	-1
## 1929	120.41454	0.451864	-1
## 1931	112.95335	0.580101	-1
## 1932	112.28630	0.340031	-1
## 1939	90.17457	0.307018	-1
## 1941	115.64535	0.777109	-1
## 1943	111.50793	0.652389	-1
## 1944	115.78430	0.487280	-1
## 1948	124.91214	0.605457	-1
## 1958	86.84327	0.434581	-1
## 1964	95.99900	0.543491	-1
## 1971	76.68482	0.825125	-1
## 1972	95.89063	0.464804	-1
## 1973	119.60772	0.629623	-1
## 1986	138.04802	0.846849	-1
## 1987	134.18195	0.763747	-1
## 1990	143.25749	0.558516	-1
## 1995	141.41000	0.839675	-1
## 1996	131.87799	0.835582	-1
## 2004	143.07603	0.546721	-1
## 2008	145.02974	0.563297	-1
## 2009	129.89119	0.602840	-1
## 2010	139.79990	0.796367	-1
## 2013	148.55594	0.479132	-1
## 2018	122.44290	0.812408	-1
## 2024	121.83298	0.572012	1
## 2026	112.37255	0.804412	1
## 2028	136.67149	0.550398	1
## 2030	124.01701	0.479647	1
## 2037	130.44890	0.643793	1
## 2038	111.53029	0.557820	1
## 2048	130.53944	0.503835	1

## 2052	111.10928	0.702321	1
## 2058	109.09128	0.862442	1
## 2068	117.52221	0.807403	1
## 2073	93.91473	0.628164	1
## 2075	96.93071	0.667889	1
## 2083	102.00980	0.475866	1
## 2090	119.91891	0.817122	-1
## 2093	123.68105	0.512785	-1
## 2096	126.85927	0.864727	-1
## 2102	118.56163	0.666141	-1
## 2109	125.33027	0.514338	-1
## 2110	139.14990	0.763122	-1
## 2111	143.30017	0.828211	-1
## 2123	138.53744	0.833828	-1
## 2137	122.39836	0.345489	1
## 2140	126.97224	0.862258	1
## 2146	106.14823	0.595190	1
## 2152	87.18372	0.378439	1
## 2158	124.85766	0.872285	1
## 2159	103.58778	0.308888	1
## 2172	103.03378	0.604705	1
## 2183	138.38592	0.504408	-1
## 2184	126.52676	0.639760	-1
## 2188	116.65939	0.761159	-1
## 2189	131.21860	0.939577	-1
## 2197	119.31541	0.361246	-1
## 2200	125.17782	0.948742	-1
## 2203	140.98084	0.604514	-1
## 2206	139.18440	0.635421	-1
## 2216	110.12688	0.607342	-1
## 2228	90.62090	0.473322	1
## 2229	95.66354	0.362408	1
## 2231	85.20293	0.398158	1
## 2235	97.87753	0.667238	1
## 2241	107.52554	0.369044	1
## 2246	111.97521	0.326140	1
## 2248	98.18035	0.349582	1
## 2250	120.85362	0.622588	1
## 2252	104.12734	0.613722	1
## 2254	108.55103	0.339295	1
## 2257	140.05537	0.435798	1
## 2262	115.27457	0.535138	1
## 2272	101.57920	0.479609	1
## 2282	98.81071	0.449682	1
## 2287	128.83867	0.938688	1
## 2301	126.86871	0.494035	-1
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## 2323	122.51299	0.659527	-1
## 2331	134.52769	0.698761	-1
## 2339	111.50309	0.693925	1
## 2344	88.81714	0.731601	1

## 2349	92.29187	0.689350	1
## 2359	99.86877	0.572583	1
## 2364	84.74509	0.482465	1
## 2376	98.84824	0.821697	1
## 2384	148.16625	0.963250	-1
## 2387	135.32817	0.543931	-1
## 2388	135.95032	0.660788	-1
## 2392	118.12681	0.623974	-1
## 2398	129.47807	0.578125	-1
## 2399	127.12038	0.759440	-1
## 2402	114.01018	0.718338	-1
## 2403	113.79340	0.730845	1
## 2428	86.78940	0.869786	1
## 2431	108.13312	0.584430	1
## 2436	92.36161	0.847119	1
## 2443	127.37980	0.535060	1
## 2444	144.57350	0.317991	1
## 2453	107.52900	0.297283	1
## 2454	114.82653	0.400109	1
## 2459	117.90615	0.731895	-1
## 2464	142.99175	0.585552	-1
## 2468	123.96805	0.553535	-1
## 2476	109.39886	0.504151	-1
## 2478	141.54987	0.428982	1
## 2490	121.65359	0.535929	1
## 2494	126.01902	0.777605	1
## 2499	136.03966	0.683533	1
## 2511	108.10149	0.689204	1
## 2513	127.68657	0.746883	1
## 2520	97.40303	0.529933	1
## 2525	89.30074	0.800827	1
## 2531	111.87737	0.877992	1
## 2534	99.72240	0.224351	1
## 2536	105.93946	0.586655	1
## 2537	121.67435	0.736533	1
## 2540	136.40445	0.728916	-1
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## 2549	123.84154	0.591951	-1
## 2550	133.47586	0.892247	-1
## 2552	128.55724	0.370232	-1
## 2560	132.93634	0.739910	-1
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## 2611	121.18537	0.361513	1
## 2616	74.17487	0.344099	1
## 2617	70.58526	0.644529	1
## 2623	120.39417	0.347178	1
## 2637	127.62735	0.645467	1
## 2639	115.23880	0.914394	1

## 2641	104.10641	0.861238	1
## 2643	98.74809	0.906265	1
## 2644	103.23270	0.420607	1
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## 2652	103.09255	0.762380	-1
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## 2664	123.32287	0.759525	-1
## 2667	110.14809	0.855193	-1
## 2668	85.44321	0.836293	-1
## 2671	91.41122	0.822786	-1
## 2677	142.42940	0.980036	-1
## 2681	118.02456	0.814008	-1
## 2688	144.65269	0.788370	-1
## 2693	113.72919	0.832091	-1
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## 2844	114.85581	0.625650	1
## 2848	125.26857	0.737120	1
## 2859	92.77216	0.407517	1
## 2860	92.30033	0.601836	1
## 2864	108.95264	0.729051	1
## 2871	137.16411	0.396985	1
## 2872	117.53365	0.352809	1
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## 2895	126.24679	0.695159	1
## 2899	122.40221	0.782946	1

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## 2916	142.54666	0.573694	1
## 2918	148.92198	0.456130	1
## 2920	124.14555	0.873080	1
## 2931	135.30219	0.796441	1
## 2932	122.78052	0.869912	1
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## 2946	124.72669	0.663257	1
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## 2965	137.01825	0.509775	1
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## 3001	72.78401	0.711476	1
## 3013	101.05170	0.280447	1
## 3015	134.09399	0.804634	1
## 3017	108.68753	0.370096	1
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## 3025	126.12071	0.811771	1
## 3033	137.36206	0.554427	1
## 3037	138.78496	0.849535	1
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## 3050	91.09844	0.662778	1
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## 3062	100.34259	0.533667	1
## 3070	89.54187	0.491874	1
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## 3149	142.96318	0.365510	1
## 3150	143.05057	0.370363	1
## 3152	121.00916	0.315172	1
## 3173	132.99236	0.717772	1
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## 3177	124.96846	0.578997	1
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## 3220	124.49707	0.803172	-1
## 3230	119.10757	0.792496	-1
## 3234	117.67157	0.723389	-1
## 3241	129.21320	0.677603	-1
## 3242	142.18269	0.817052	-1
## 3248	104.98607	0.661236	-1
## 3250	141.65524	0.848707	-1
## 3264	135.50619	0.556380	-1
## 3270	104.73253	0.787812	-1
## 3275	132.19461	0.509336	-1
## 3282	134.74736	0.774313	-1
## 3284	124.20220	0.655138	-1
## 3288	122.15850	0.901377	-1
## 3291	109.26698	0.810714	-1
## 3292	102.54981	0.701361	-1
## 3301	109.72342	0.969273	-1
## 3303	135.07996	0.754312	-1
## 3304	138.62015	0.752126	-1
## 3308	131.50224	0.707756	-1
## 3326	126.71133	0.596255	1
## 3330	128.75520	0.376497	1
## 3331	103.99719	0.465206	1
## 3342	131.07976	0.651092	1
## 3343	121.58742	0.389248	1
## 3347	98.14745	0.399084	1
## 3349	93.44669	0.347730	1
## 3360	104.85268	0.526192	1
## 3361	120.63444	0.681599	1
## 3366	101.36015	0.905063	1
## 3371	131.70885	0.555711	1
## 3372	124.98584	0.735341	1
## 3382	127.76982	0.635474	1
## 3386	126.88869	0.791444	1
## 3387	129.18506	0.322203	1
## 3394	84.70248	0.796871	1
## 3397	107.81467	0.918203	1

## 3404	127.72450	0.477975	-1
## 3408	127.94439	0.345451	-1
## 3424	144.82989	0.867299	-1
## 3425	143.38512	0.472657	-1
## 3430	101.81346	0.691211	-1
## 3443	120.08680	0.879260	-1
## 3449	99.34607	0.748120	-1
## 3454	139.98219	0.373143	-1
## 3457	117.73550	0.730652	-1
## 3460	112.01952	0.608622	1
## 3476	78.46956	0.720476	1
## 3480	128.85967	0.447195	1
## 3481	121.78843	0.686132	1
## 3487	118.51133	0.531558	1
## 3490	100.13811	0.359614	1
## 3495	73.84858	0.442849	1
## 3497	98.55679	0.227043	1
## 3498	130.38638	0.811841	1
## 3501	103.46686	0.861885	1
## 3517	91.79906	0.668565	1
## 3526	88.51433	0.715767	1
## 3529	88.98875	0.607284	1
## 3534	109.68298	0.548938	1
## 3535	79.74761	0.568286	1
## 3538	87.41568	0.848372	1
## 3539	85.43893	0.751524	1
## 3543	114.34647	0.446683	1
## 3545	117.34734	0.584177	1
## 3546	132.41670	0.529345	1
## 3553	117.98153	0.823376	1
## 3559	152.06692	0.933754	-1
## 3570	114.75455	0.669276	-1
## 3572	152.04469	0.695593	-1
## 3586	145.19933	0.950295	-1
## 3607	99.95888	0.514361	-1
## 3612	85.68825	0.563668	-1
## 3613	118.30586	0.666237	-1
## 3615	122.30122	0.370801	-1
## 3618	151.53409	0.750087	-1
## 3619	111.48063	0.544843	1
## 3620	144.91345	0.890875	1
## 3624	135.10118	0.327276	1
## 3627	99.91093	0.672409	1
## 3635	108.54669	0.609270	1
## 3649	116.72478	0.603358	1
## 3650	80.66664	0.685513	1
## 3652	101.32570	0.661754	1
## 3654	142.84256	0.657414	1
## 3673	103.16893	0.316310	1
## 3681	109.54294	0.889189	1
## 3691	117.26663	0.856100	1
## 3698	129.05415	0.969367	-1
## 3703	101.05685	0.929069	-1
## 3707	112.84298	0.960462	-1

## 3708	123.20609	0.541885	-1
## 3716	139.00540	0.704178	-1
## 3722	99.91183	0.927948	-1
## 3726	95.56448	0.327807	1
## 3730	119.65093	0.528710	1
## 3731	130.89316	0.803759	1
## 3732	107.38994	0.390569	1
## 3734	108.98303	0.336849	1
## 3735	107.22502	0.603005	1
## 3742	96.13763	0.585792	1
## 3747	123.55201	0.707096	1
## 3754	142.54080	0.627212	1
## 3757	122.27966	0.747962	1
## 3759	95.24578	0.477814	1
## 3761	110.01379	0.863287	1
## 3768	98.70160	0.255250	1
## 3774	139.58626	0.397152	1
## 3781	111.60986	0.298165	1
## 3786	109.47576	0.437465	1
## 3788	113.11715	0.408700	1
## 3789	109.15848	0.613936	1
## 3790	111.79359	0.914780	1
## 3791	118.98761	0.574066	1
## 3792	127.28941	0.752796	1
## 3797	137.82129	0.493230	1
## 3798	128.99568	0.583047	1
## 3801	115.37977	0.727698	1
## 3810	135.13882	0.790805	1
## 3813	119.71428	0.612971	-1
## 3817	105.53829	0.682873	-1
## 3818	112.06796	0.933949	-1
## 3823	128.64200	0.937376	-1
## 3832	109.07809	0.633425	-1
## 3834	90.03525	0.638931	-1
## 3839	97.75754	0.889202	-1
## 3842	106.78516	0.921742	-1
## 3845	134.50755	0.743791	-1
## 3853	122.60299	0.689887	-1
## 3856	123.78808	0.813279	-1
## 3857	96.21690	0.906372	-1
## 3861	103.36132	0.783026	-1
## 3862	110.74488	0.128790	1
## 3865	98.91129	0.607559	1
## 3867	117.91076	0.663297	1
## 3882	127.97214	0.789620	1
## 3884	111.77557	0.460543	1
## 3885	96.52231	0.369331	1
## 3890	113.16798	0.615189	1
## 3891	101.79515	0.714010	1
## 3897	125.50008	0.864418	1
## 3903	107.73682	0.661763	1
## 3906	123.50254	0.683593	1
## 3909	121.38068	0.555424	1
## 3910	101.00591	0.662952	1

## 3913	80.74138	0.812498	1
## 3915	102.69987	0.640380	1
## 3917	89.01945	0.386899	1
## 3918	90.24960	0.672495	1
## 3924	95.82291	0.483164	1
## 3931	81.28363	0.368412	1
## 3937	115.44459	0.413980	1
## 3940	100.63325	0.291187	1
## 3941	95.25691	0.717727	1
## 3942	103.55257	0.586432	1
## 3944	139.73352	0.696353	1
## 3956	124.42735	0.699416	1
## 3965	73.21883	0.511772	1
## 3974	129.30212	0.536889	-1
## 3998	152.64439	0.519532	-1
## 4003	117.71081	0.748050	-1
## 4005	106.86079	0.877652	-1
## 4008	154.85747	0.931738	-1
## 4015	107.61066	0.755118	-1
## 4021	109.33813	0.646619	-1
## 4028	113.96711	0.522042	-1
## 4031	140.01073	0.717161	-1
## 4039	113.21259	0.742772	-1
## 4040	127.70643	0.741169	-1
## 4043	136.61745	0.829538	-1
## 4047	135.75687	0.662762	-1
## 4051	120.60288	0.477883	-1
## 4052	112.15987	0.702238	-1
## 4054	102.16681	0.630783	-1
## 4066	95.00773	0.495502	1
## 4069	72.97696	0.312770	1
## 4070	80.03823	0.565154	1
## 4075	89.07558	0.476239	1
## 4077	59.21844	0.389565	1
## 4080	95.12579	0.806934	1
## 4081	119.52549	0.738455	1
## 4086	120.95559	0.688563	1
## 4089	111.25041	0.589587	1
## 4097	89.12622	0.450717	1
## 4109	106.60599	0.873651	1
## 4122	84.70307	0.899169	1
## 4123	91.85561	0.421999	1
## 4135	116.62242	0.854094	1
## 4142	122.95038	0.725468	1
## 4146	121.28822	0.476391	1
## 4155	128.21860	0.608171	-1
## 4156	131.61694	0.715715	-1
## 4161	93.60230	0.699912	-1
## 4178	113.17019	0.782457	-1
## 4183	122.71584	0.760025	-1
## 4189	155.68706	0.938373	-1
## 4191	142.26874	0.808993	-1
## 4192	109.93282	0.758939	-1
## 4210	108.56292	0.918071	-1

## 4218	110.40492	0.932089	-1
## 4219	103.01795	0.679654	-1
## 4221	108.98611	0.740823	-1
## 4222	107.87367	0.948334	-1
## 4241	115.84454	0.747156	1
## 4247	112.45039	0.576003	1
## 4251	132.26337	0.845643	1
## 4257	114.99860	0.434228	1
## 4263	100.81560	0.506865	1
## 4267	121.05364	0.625654	1
## 4268	127.63731	0.622019	1
## 4273	113.91436	0.502252	1
## 4282	104.85387	0.518175	1
## 4287	109.35101	0.279237	1
## 4288	123.40491	0.304091	1
## 4296	124.48362	0.503412	1
## 4298	87.93507	0.446776	1
## 4299	111.41222	0.610707	1
## 4301	124.50096	0.491380	1
## 4303	109.56539	0.709236	1
## 4309	111.42604	0.528059	1
## 4322	111.42804	0.717583	1
## 4323	99.85836	0.807853	1
## 4329	112.33511	0.925529	1
## 4340	145.26878	0.763430	-1
## 4346	145.08693	0.790051	-1
## 4349	139.57156	0.756278	-1
## 4353	148.62337	0.423491	-1
## 4354	132.88988	0.750662	-1
## 4362	119.13046	0.783253	-1
## 4363	134.58581	0.424906	-1
## 4364	134.94667	0.477957	-1
## 4369	138.19327	0.744238	-1
## 4373	124.46137	0.807866	-1
## 4374	130.09734	0.393233	-1
## 4380	138.28165	0.284792	-1
## 4381	112.78611	0.225792	-1
## 4385	119.73103	0.672651	-1
## 4386	123.68004	0.643312	-1
## 4391	115.93972	0.725831	-1
## 4392	107.36762	0.664702	1
## 4395	94.33415	0.620978	1
## 4396	137.96129	0.779530	1
## 4403	121.38924	0.660376	1
## 4406	112.71430	0.697658	1
## 4409	95.27766	0.396027	1
## 4410	127.39408	0.738012	1
## 4411	119.48188	0.613053	1
## 4412	105.11006	0.624151	1
## 4415	111.53632	0.734809	1
## 4417	107.41441	0.481519	1
## 4418	124.99655	0.804601	1
## 4424	117.17805	0.904554	1
## 4425	112.73363	0.416523	1

## 4429	94.49232	0.550866	1
## 4430	107.26378	0.318658	1
## 4439	146.20250	0.296265	1
## 4450	123.48473	0.456062	1
## 4451	128.79215	0.485130	1
## 4460	86.64395	0.497532	1
## 4466	109.33048	0.453764	1
## 4469	102.46235	0.638311	1
## 4472	131.48770	0.872485	1
## 4474	123.16354	0.904707	1
## 4476	122.96685	0.224355	1
## 4477	127.68401	0.746718	1
## 4487	108.19585	0.254343	1
## 4499	126.44621	0.505286	1
## 4503	128.42889	0.431197	1
## 4509	99.18259	0.810565	1
## 4514	79.86674	0.817602	1
## 4517	123.09563	0.314927	1
## 4525	102.44009	0.295698	1
## 4526	87.63277	0.310280	1
## 4528	87.40649	0.458463	1
## 4532	92.64226	0.601715	1
## 4535	109.66779	0.872279	1
## 4540	121.04315	0.845100	1
## 4542	90.87373	0.750226	1
## 4563	131.37186	0.306818	1
## 4584	117.51961	0.405919	1
## 4588	112.81580	0.649753	1
## 4599	110.96004	0.763958	1
## 4606	108.34429	0.514206	1
## 4613	121.44726	0.278669	1
## 4615	109.67133	0.431495	1
## 4617	104.87675	0.264510	1
## 4621	139.05618	0.589745	1
## 4622	135.69253	0.665661	1
## 4629	111.51540	0.799940	1
## 4632	88.23479	0.691912	1
## 4633	109.57689	0.780717	1
## 4635	93.23394	0.820482	1
## 4636	90.49561	0.425305	1
## 4638	93.34457	0.490605	1
## 4642	103.37847	0.273922	1
## 4643	90.45190	0.299253	1
## 4645	137.46114	0.300764	1
## 4657	100.31499	0.814171	1
## 4659	108.69282	0.775088	1
## 4666	112.10907	0.332007	1
## 4667	115.12932	0.287433	1
## 4671	126.26837	0.541798	1
## 4677	138.24716	0.440886	1
## 4678	135.93530	0.706961	1
## 4683	113.48965	0.784216	1
## 4688	103.84812	0.744941	1
## 4692	125.90594	0.244305	1

## 4695	111.07305	0.786999	1
## 4696	95.04833	0.578568	1
## 4703	93.75227	0.195982	1
## 4707	87.48803	0.249445	1
## 4721	93.71596	0.254696	1
## 4727	105.46072	0.351294	1
## 4729	131.72267	0.690573	1
## 4735	112.00008	0.746695	1
## 4741	96.12183	0.792361	1
## 4744	78.44509	0.625699	1
## 4745	93.08560	0.525449	1
## 4757	115.27335	0.287178	1
## 4760	122.52281	0.472306	1
## 4764	145.28571	0.675548	1
## 4773	104.46284	0.428219	1
## 4782	116.44649	0.804502	1
## 4784	96.23174	0.254839	1
## 4786	127.27660	0.626374	1
## 4809	93.39350	0.285733	1
## 4815	74.93329	0.368554	1
## 4821	123.02701	0.858461	1
## 4823	95.03473	0.792901	1
## 4825	106.38941	0.813299	1
## 4831	124.82134	0.712115	1
## 4834	118.17673	0.740201	1
## 4837	127.24036	0.759183	1
## 4845	111.92301	0.685275	1
## 4847	89.99689	0.507938	1
## 4848	114.49645	0.371148	1
## 4856	125.82046	0.309819	1
## 4863	119.31278	0.487439	1
## 4870	119.83669	0.906791	1
## 4875	124.80997	0.817078	1
## 4880	98.41283	0.712647	1
## 4881	87.98309	0.692072	1
## 4887	104.91225	0.698432	1
## 4903	92.94531	0.258573	1
## 4907	80.93352	0.441998	1
## 4908	85.00507	0.582435	1
## 4909	103.59590	0.645528	1
## 4920	125.75887	0.747788	1
## 4947	114.77107	0.531602	1
## 4954	90.59643	0.680524	1
## 4958	110.89355	0.277471	1
## 4959	130.62178	0.401676	1
## 4963	114.32182	0.241095	1
## 4967	112.86015	0.297843	1
## 4981	127.58076	0.597205	1
## 4989	90.08615	0.732020	1
## 4992	112.42713	0.770594	1
## 4997	107.49240	0.775367	1
## 5007	141.46407	0.824316	1
## 5016	91.18622	0.828763	1
## 5019	101.22703	0.775914	1

## 5025	100.77660	0.817927	1
## 5028	95.91949	0.711095	1
## 5032	106.57392	0.305317	1
## 5040	101.02953	0.613642	1
## 5053	88.79903	0.312484	1
## 5061	88.57694	0.561185	1
## 5070	118.54340	0.842160	1
## 5073	120.82569	0.262769	1
## 5077	114.17347	0.432020	1
## 5082	117.63773	0.538969	1
## 5085	118.15409	0.463019	1
## 5086	98.27916	0.632698	1
## 5087	130.25754	0.240227	1
## 5092	107.46961	0.177062	1
## 5095	110.43761	0.629013	1
## 5096	104.63886	0.660155	1
## 5098	98.84367	0.814404	1
## 5101	89.91989	0.798216	1
## 5113	153.69933	0.707547	-1
## 5130	141.29475	0.376809	-1
## 5145	131.13185	0.420022	1
## 5147	124.33065	0.678812	1
## 5148	116.90527	0.266648	1
## 5149	97.25635	0.345087	1
## 5157	132.85648	0.721467	1
## 5160	121.60601	0.602686	1
## 5161	119.35387	0.795117	1
## 5163	144.57864	0.737363	1
## 5172	125.16711	0.314554	1
## 5178	119.27661	0.405429	1
## 5179	144.32083	0.484070	1
## 5213	120.84726	0.366582	-1
## 5217	114.51653	0.274966	-1
## 5218	112.53751	0.274463	-1
## 5227	114.21201	0.246824	-1
## 5233	98.70335	0.531467	-1
## 5238	142.81506	0.578708	-1
## 5242	149.33781	0.764424	-1
## 5243	161.43929	0.758793	-1
## 5244	166.81178	0.770279	-1
## 5246	148.41393	0.780519	-1
## 5250	85.72674	0.711344	1
## 5251	80.83763	0.383191	1
## 5260	117.44501	0.511650	1
## 5261	116.22454	0.617285	1
## 5264	117.49778	0.442212	1
## 5265	97.59048	0.511558	1
## 5267	117.59945	0.481197	1
## 5291	101.83175	0.431442	1
## 5292	101.57985	0.528622	1
## 5313	119.57372	0.507269	1
## 5320	140.61337	0.369985	-1
## 5321	145.24474	0.378455	-1
## 5325	137.96123	0.412134	-1

## 5329	143.82848	0.435377	-1
## 5338	123.65826	0.630908	-1
## 5348	120.52980	0.366723	-1
## 5350	137.44163	0.543126	-1
## 5369	141.47520	0.260030	-1
## 5370	135.20912	0.322920	-1
## 5381	146.04288	0.295434	-1
## 5385	134.51115	0.338319	-1
## 5388	142.34418	0.431431	-1
## 5390	127.76578	0.262903	-1
## 5391	124.56550	0.348265	-1
## 5409	111.73301	0.384194	-1
## 5424	126.13590	0.353467	1
## 5429	142.01578	0.223843	1
## 5431	140.22336	0.316012	1
## 5440	141.20872	0.374066	1
## 5441	129.90292	0.424740	1
## 5444	127.39005	0.741327	1
## 5446	134.22275	0.766420	1
## 5455	72.95518	0.731214	1
## 5463	90.86258	0.786365	1
## 5469	124.99185	0.463580	1
## 5475	129.43349	0.567640	1
## 5476	110.23391	0.512078	1
## 5477	83.82008	0.827720	1
## 5481	118.09646	0.645988	1
## 5485	108.71973	0.416145	1
## 5489	135.02869	0.430854	1
## 5495	139.29359	0.540074	1
## 5501	102.53793	0.764111	1
## 5509	111.80076	0.818626	1
## 5526	124.73627	0.513575	-1
## 5531	112.39763	0.370226	-1
## 5534	120.16447	0.315222	-1
## 5536	121.34597	0.241793	-1
## 5538	140.71686	0.386075	-1
## 5541	120.94653	0.252521	-1
## 5557	145.20392	0.767350	-1
## 5566	156.17871	0.673527	-1
## 5567	158.66977	0.713380	-1
## 5575	147.92807	0.762165	-1
## 5583	129.62627	0.533607	-1
## 5587	102.17175	0.788433	-1
## 5588	144.83110	0.888296	-1
## 5593	149.22295	0.336343	-1
## 5594	144.98383	0.745288	-1
## 5595	135.36008	0.844586	-1
## 5604	124.74227	0.497526	-1
## 5605	75.41734	0.223827	-1
## 5611	117.42705	0.458222	-1
## 5617	128.21864	0.353341	-1
## 5618	114.22083	0.407858	-1
## 5621	118.92454	0.402238	-1
## 5623	120.27592	0.349886	-1

## 5624	132.42476	0.261257	-1
## 5629	150.76823	0.714928	-1
## 5631	144.48192	0.716256	-1
## 5635	145.36855	0.704926	-1
## 5638	148.57774	0.819239	-1
## 5640	145.95703	0.814808	-1
## 5643	145.63402	0.766975	-1
## 5644	144.69975	0.717919	-1
## 5647	119.53177	0.444069	-1
## 5650	127.69773	0.400562	-1
## 5652	143.89055	0.598842	-1
## 5654	126.46264	0.424932	-1
## 5668	123.20503	0.264615	-1
## 5677	121.75710	0.365150	-1
## 5680	118.84901	0.329114	-1
## 5682	129.40808	0.309603	-1
## 5684	143.56174	0.666301	-1
## 5687	143.47710	0.686934	-1
## 5690	146.57983	0.719384	-1
## 5700	154.56494	0.734338	-1
## 5704	134.74556	0.371662	-1
## 5707	160.56551	0.712077	-1
## 5714	145.42746	0.676103	-1
## 5720	139.20740	0.394034	-1
## 5723	126.04192	0.499700	1
## 5724	132.27280	0.564496	1
## 5730	111.18281	0.533034	1
## 5735	91.76530	0.634813	1
## 5739	117.60648	0.592792	1
## 5740	126.08243	0.723700	1
## 5741	123.79660	0.694452	1
## 5745	90.32523	0.302201	1
## 5749	95.19999	0.207863	1
## 5752	92.36517	0.232542	1
## 5754	119.70010	0.518802	1
## 5755	86.16494	0.470793	1
## 5762	111.81650	0.279269	1
## 5763	103.78059	0.261706	1
## 5769	126.15625	0.623946	1
## 5775	134.64792	0.506974	1
## 5784	128.08067	0.668140	1
## 5786	128.47899	0.442236	1
## 5791	132.90411	0.552652	1
## 5796	131.14970	0.379086	1
## 5803	135.24844	0.272210	1
## 5805	159.60001	0.383660	1
## 5806	138.89780	0.218046	1
## 5808	109.12400	0.289531	1
## 5814	123.54860	0.096699	1
## 5815	112.63141	0.317794	1
## 5819	133.03117	0.416882	1
## 5820	111.56382	0.211041	1
## 5822	122.27485	0.488314	1
## 5825	117.87740	0.454465	1

## 5831	150.77748	0.815002	-1
## 5832	113.55177	0.504360	-1
## 5838	142.53215	0.452207	-1
## 5841	153.61876	0.763978	-1
## 5842	156.23119	0.778833	-1
## 5847	153.69426	0.838944	-1
## 5848	145.06187	0.734740	-1
## 5850	141.41275	0.775814	-1
## 5851	143.76109	0.742756	-1
## 5852	149.39816	0.785364	-1
## 5863	160.51216	0.736003	-1
## 5869	120.62167	0.253665	-1
## 5872	145.38619	0.597831	-1
## 5875	135.37561	0.564789	-1
## 5876	145.40396	0.710765	-1
## 5879	139.85495	0.671047	-1
## 5883	148.09152	0.756195	-1
## 5888	140.96191	0.723714	-1
## 5893	153.17401	0.723251	-1
## 5898	149.80298	0.775813	-1
## 5901	142.26007	0.701649	-1
## 5907	149.00066	0.654507	-1
## 5915	83.04929	0.417908	1
## 5918	88.34316	0.509869	1
## 5921	113.90745	0.821942	1
## 5923	134.48202	0.359476	1
## 5930	109.52356	0.817885	1
## 5944	129.71512	0.461201	1
## 5958	105.42242	0.711929	1
## 5972	130.93617	0.420537	1
## 5976	111.95887	0.655154	1
## 5988	140.16156	0.437136	1
## 5991	124.30298	0.531656	1
## 5993	95.75824	0.528397	1
## 5995	113.43831	0.491399	1
## 5996	116.01305	0.464565	1
## 6000	111.04330	0.504345	1
## 6001	128.24965	0.352028	1
## 6009	119.11747	0.485292	1
## 6011	92.74784	0.621109	1
## 6023	123.41682	0.755544	1
## 6033	143.73335	0.758766	-1
## 6039	149.95447	0.775684	-1
## 6043	169.79356	0.676232	-1
## 6051	147.78514	0.792689	-1
## 6053	153.29131	0.808255	-1
## 6061	142.92487	0.748310	-1
## 6063	148.92267	0.758253	-1
## 6078	151.68181	0.681059	-1
## 6083	134.47040	0.467081	-1
## 6094	157.55238	0.413984	1
## 6097	122.38473	0.407951	1
## 6098	130.25073	0.441954	1
## 6099	114.10831	0.324843	1

## 6102	99.14405	0.416681	1
## 6103	95.90594	0.324329	1
## 6119	122.68774	0.441123	1
## 6125	138.21834	0.518834	1
## 6128	127.93654	0.481202	1
## 6129	104.96558	0.374427	1
## 6131	132.43585	0.505499	1
## 6134	99.35933	0.541772	1
## 6136	121.54143	0.268891	1
## 6137	116.72061	0.859524	1
## 6151	96.45159	0.544402	1
## 6154	112.36357	0.755789	1
## 6156	78.32677	0.447122	1
## 6159	92.35603	0.461876	1
## 6167	96.02415	0.420580	1
## 6170	97.94579	0.512988	1
## 6171	92.79206	0.655895	1
## 6192	100.65735	0.483089	1
## 6195	120.44177	0.512265	1
## 6196	140.76001	0.723555	1
## 6202	125.54305	0.612047	1
## 6206	94.60506	0.392670	1
## 6211	115.78690	0.399288	1
## 6217	139.25176	0.461187	1
## 6218	108.30894	0.280196	1
## 6224	125.63454	0.252432	1
## 6226	126.36211	0.897211	1
## 6229	152.31807	0.458601	1
## 6239	115.85667	0.488487	1
## 6241	117.30040	0.518409	1
## 6249	102.20689	0.413481	1
## 6255	71.65430	0.252828	1
## 6257	83.07725	0.291680	1
## 6259	102.48214	0.568061	1
## 6265	91.69805	0.571965	-1
## 6270	100.71955	0.533926	-1
## 6271	106.36067	0.578992	-1
## 6276	137.56369	0.498503	-1
## 6278	113.54569	0.538266	-1
## 6286	147.24565	0.758150	-1
## 6296	144.36101	0.791060	-1
## 6298	139.64084	0.757622	-1
## 6303	145.92052	0.726871	-1
## 6304	155.06532	0.740566	-1
## 6305	115.66861	0.366417	-1
## 6306	154.59921	0.769112	-1
## 6312	154.12537	0.790777	-1
## 6313	147.69020	0.846362	-1
## 6318	141.94594	0.777027	-1
## 6319	147.54414	0.699696	-1
## 6323	146.93141	0.449471	-1
## 6324	143.87344	0.504177	-1
## 6331	132.26611	0.292976	-1
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## 6346	123.98711	0.728897	1
## 6348	126.23259	0.758544	1
## 6349	108.88923	0.672024	1
## 6350	127.58235	0.648969	1
## 6354	120.79330	0.599101	1
## 6363	98.32229	0.440980	1
## 6364	102.18962	0.409676	1
## 6371	105.21872	0.567731	1
## 6374	109.86348	0.246322	1
## 6380	118.34198	0.404645	1
## 6381	121.57546	0.367075	1
## 6387	97.44662	0.571029	1
## 6393	121.50732	0.688051	1
## 6394	115.80730	0.807705	1
## 6396	116.72949	0.387181	1
## 6397	118.25983	0.369288	1
## 6402	100.24414	0.410098	1
## 6403	118.68758	0.472643	1
## 6404	136.97189	0.395956	1
## 6406	127.55759	0.331797	1
## 6408	132.63478	0.576818	1
## 6410	139.02939	0.705589	1
## 6413	136.90546	0.450304	1
## 6418	126.54016	0.510859	1
## 6424	169.54753	0.381519	1
## 6425	122.31587	0.359429	1
## 6426	109.08921	0.373917	1
## 6433	94.00898	0.422470	1
## 6435	92.24780	0.402885	1
## 6438	147.35439	0.519372	1
## 6452	114.78136	0.322343	1
## 6461	110.41469	0.582645	1
## 6464	112.60335	0.540900	1
## 6465	124.08577	0.734829	1
## 6480	96.39648	0.414394	-1
## 6483	135.58031	0.739502	-1
## 6491	139.71344	0.711622	-1
## 6495	151.35094	0.703655	-1
## 6499	148.42255	0.748204	-1
## 6501	145.35255	0.782280	-1
## 6512	143.88835	0.443751	-1
## 6514	151.36166	0.354446	-1
## 6516	149.33536	0.765553	-1
## 6521	110.43166	0.825173	1
## 6523	103.77099	0.798007	1
## 6530	125.18558	0.745524	1
## 6531	97.50251	0.673665	1
## 6532	111.68939	0.539656	1
## 6533	83.59538	0.746757	1
## 6535	105.15608	0.673941	1
## 6539	102.26043	0.722113	1
## 6545	92.25452	0.665594	1
## 6552	127.78745	0.857330	1
## 6557	101.86084	0.502139	1

## 6558	122.97733	0.837308	1
## 6559	117.84698	0.770018	1
## 6567	107.78856	0.424398	1
## 6570	102.71487	0.571937	1
## 6577	96.79193	0.658925	1
## 6584	116.24277	0.390963	1
## 6587	93.31111	0.373771	1
## 6592	111.36262	0.795537	1
## 6596	96.81914	0.413177	1
## 6600	108.42083	0.426786	1
## 6607	128.30389	0.478934	1
## 6608	155.40178	0.524351	1
## 6615	116.56200	0.398510	1
## 6620	106.29718	0.557870	1
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## 6664	158.64131	0.379120	-1
## 6673	141.34505	0.306983	-1
## 6708	126.28771	0.346658	-1
## 6715	146.16380	0.271586	-1
## 6717	160.51706	0.333706	-1
## 6723	131.32521	0.348625	-1
## 6732	129.34039	0.516063	-1
## 6733	122.28554	0.320711	-1
## 6734	116.29822	0.282702	-1
## 6738	137.31438	0.350482	-1
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## 6754	143.73680	0.497780	-1
## 6770	109.72793	0.665689	-1
## 6775	82.63529	0.804495	1
## 6776	84.74193	0.505651	1
## 6779	145.10982	0.848460	1
## 6782	158.50215	0.883961	1
## 6786	139.18236	0.472783	1
## 6790	132.68384	0.443740	1
## 6798	128.54678	0.612506	-1
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## 6808	94.03175	0.453286	-1
## 6810	126.72330	0.349825	-1
## 6816	140.45460	0.388560	-1
## 6820	96.57497	0.742124	-1
## 6826	89.25893	0.214846	1
## 6828	82.61690	0.431812	1
## 6829	92.73613	0.561030	1
## 6833	120.88738	0.406954	1
## 6836	124.71568	0.399766	1
## 6842	98.46171	0.509990	1
## 6847	128.29864	0.728496	1
## 6848	113.71056	0.662986	1

## 6850	130.93983	0.424640	1
## 6861	115.64314	0.325370	1
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## 6880	97.71409	0.477193	1
## 6883	137.94890	0.360588	-1
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## 6893	145.09878	0.660823	-1
## 6911	109.91200	0.440430	1
## 6916	128.87601	0.567618	1
## 6918	130.41824	0.540482	1
## 6925	114.38263	0.404419	1
## 6932	137.18288	0.615444	1
## 6934	140.53871	0.794989	1
## 6940	105.36507	0.364729	1
## 6942	127.81138	0.647855	1
## 6949	109.30778	0.482631	1
## 6951	127.93358	0.472475	1
## 6953	141.86368	0.483063	1
## 6954	141.28217	0.458936	1
## 6955	81.86672	0.401802	1
## 6963	126.06677	0.870862	1
## 6964	84.16957	0.521517	1
## 6968	119.42481	0.546086	1
## 6972	133.40381	0.286080	1
## 6974	124.31188	0.594341	1
## 6976	135.50728	0.238652	1
## 6986	104.50521	0.506146	1
## 6989	127.57471	0.820337	1
## 6990	102.97072	0.497381	1
## 6994	127.54955	0.524253	1
## 6996	142.52930	0.446982	1
## 6999	115.30840	0.468191	1
## 7005	140.26415	0.634949	-1
## 7006	132.82019	0.391088	-1
## 7010	148.01846	0.684870	-1
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## 7032	116.21487	0.394520	-1
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## 7049	146.80922	0.631822	-1
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## 7060	121.28704	0.535871	1
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## 7087	109.39563	0.394938	1
## 7089	97.54931	0.657631	1
## 7091	86.43030	0.266567	1
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## 7098	108.22884	0.488409	1
## 7107	105.63572	0.704334	1
## 7114	107.52097	0.672590	1
## 7120	97.23014	0.597953	1
## 7124	96.08313	0.282930	1
## 7125	118.33909	0.628799	1
## 7130	158.33670	0.653106	-1
## 7134	153.38232	0.730960	-1
## 7143	150.02100	0.543485	-1
## 7149	136.88197	0.706530	-1
## 7151	141.23070	0.586134	-1
## 7157	131.86792	0.657508	-1
## 7163	150.23564	0.642175	-1
## 7168	128.98231	0.409707	-1
## 7169	142.41673	0.727380	-1
## 7171	105.50940	0.610348	-1
## 7173	80.74050	0.330757	-1
## 7176	90.70370	0.520414	-1
## 7177	85.97620	0.446879	-1
## 7180	89.19202	0.511006	-1
## 7193	131.92570	0.888029	1
## 7196	132.51813	0.501790	-1
## 7198	128.17139	0.301103	-1
## 7199	144.03613	0.304134	-1
## 7206	105.61334	0.291523	-1
## 7212	140.79117	0.351151	-1
## 7216	97.88368	0.292302	-1
## 7218	166.00752	0.346635	-1
## 7230	139.44961	0.304692	-1
## 7234	133.36621	0.426141	-1
## 7237	139.11789	0.430079	-1
## 7238	136.44341	0.533540	-1
## 7239	131.92848	0.568161	-1
## 7240	139.58704	0.592922	-1
## 7244	125.67242	0.313251	-1
## 7251	131.45561	0.501404	1
## 7253	138.06120	0.416627	1
## 7260	113.73046	0.335372	1
## 7276	115.15248	0.664283	1
## 7284	142.11261	0.484341	1
## 7287	124.45691	0.551928	1
## 7294	104.16423	0.447244	1
## 7300	111.61444	0.860998	1
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## 7308	106.78374	0.743672	1
## 7312	137.45749	0.729235	1
## 7315	99.78709	0.397569	1
## 7319	100.51064	0.646103	1
## 7330	105.90119	0.627015	1
## 7331	105.66847	0.909164	1
## 7344	134.79053	0.683038	1
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## 7349	100.38446	0.676904	1
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## 7353	109.01019	0.824163	1
## 7354	116.13068	0.832482	1
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## 7359	127.61929	0.543379	1
## 7362	130.32844	0.400864	-1
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## 7435	136.77235	0.566046	1
## 7438	137.82831	0.838965	1
## 7446	88.31282	0.498902	1
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## 7458	146.68048	0.330398	1
## 7461	119.59518	0.499345	1
## 7462	89.23168	0.474123	1
## 7466	148.68538	0.554527	1
## 7477	125.66567	0.778723	1
## 7482	113.74218	0.567157	1
## 7485	114.45967	0.875293	1
## 7509	141.18245	0.309188	1
## 7510	128.63153	0.561287	1
## 7512	101.21945	0.350372	1
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## 7521	111.62352	0.786996	1
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## 7607	114.80287	0.774867	1
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## 7630	90.72108	0.645455	1
## 7640	121.77737	0.478075	1
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## 7649	135.73198	0.348939	1
## 7651	130.45662	0.671817	1
## 7662	132.85800	0.698769	1

## 7663	110.24628	0.672676	1
## 7664	141.51125	0.765833	1
## 7673	125.21192	0.661794	1
## 7677	114.09360	0.432117	1
## 7680	114.48549	0.460596	1
## 7681	115.50228	0.578616	1
## 7689	127.24680	0.617679	-1
## 7694	140.03206	0.933200	-1
## 7695	115.24309	0.441012	-1
## 7701	124.86181	0.480758	-1
## 7705	135.40353	0.773404	-1
## 7716	122.15337	0.069170	1
## 7718	122.95688	0.468448	1
## 7719	130.81004	0.501364	1
## 7725	126.61760	0.442635	1
## 7735	129.68690	0.204894	1
## 7745	139.41751	0.671232	1
## 7755	99.02659	0.667061	1
## 7756	107.65538	0.427334	1
## 7757	81.36153	0.704616	1
## 7758	84.12427	0.722655	1
## 7765	90.60384	0.274056	1
## 7768	123.69697	0.620414	1
## 7770	108.52074	0.410911	1
## 7772	118.18091	0.482810	1
## 7773	137.21629	0.325611	1
## 7775	116.55699	0.398475	1
## 7778	106.33697	0.604486	1
## 7783	112.86153	0.826760	1
## 7789	113.68904	0.507723	1
## 7791	93.54562	0.559894	1
## 7793	102.68201	0.638376	1
## 7796	102.85838	0.629867	1
## 7804	100.06899	0.567176	1
## 7807	128.40755	0.384672	1
## 7814	109.66598	0.460442	1
## 7815	148.51796	0.808940	1
## 7821	97.94915	0.371147	1
## 7823	135.66890	0.469694	1
## 7824	133.01985	0.743901	1
## 7832	123.83741	0.592586	1
## 7837	121.17897	0.460281	1
## 7840	92.83321	0.534360	1
## 7841	95.83755	0.375900	1
## 7851	114.78867	0.754298	1
## 7858	125.80226	0.405011	1
## 7859	133.04221	0.535710	1
## 7862	116.32906	0.411921	1
## 7869	127.28277	0.420304	1
## 7883	115.73209	0.579848	-1
## 7892	81.09880	0.315556	-1
## 7895	114.82308	0.574437	-1
## 7900	118.34983	0.361495	-1
## 7904	141.56709	0.485067	-1

## 7910	109.10794	0.311625	-1
## 7920	128.09882	0.590039	-1
## 7924	141.35149	0.428666	-1
## 7926	140.09825	0.324530	-1
## 7927	125.16306	0.283355	-1
## 7939	126.56232	0.517395	-1
## 7940	141.50874	0.590688	-1
## 7942	125.43246	0.659902	-1
## 7953	134.37915	0.548383	-1
## 7955	137.87509	0.356717	-1
## 7956	133.24510	0.573956	-1
## 7957	125.25003	0.542711	-1
## 7959	145.46256	0.290671	-1
## 7961	138.20079	0.575104	-1
## 7962	151.57146	0.688814	-1
## 7972	96.37546	0.297384	-1
## 7973	125.26937	0.440051	-1
## 7974	134.74692	0.529448	-1
## 7980	154.10194	0.606588	-1
## 7985	135.99121	0.784389	-1
## 8000	146.26260	0.565847	-1
## 8002	132.32619	0.254018	-1
## 8004	149.38634	0.298492	-1
## 8005	142.55368	0.377235	-1
## 8006	156.39323	0.353202	-1
## 8007	155.22994	0.446235	-1
## 8015	130.20254	0.265244	-1
## 8016	143.09735	0.855633	-1
## 8021	121.39796	0.665164	-1
## 8023	116.57446	0.206264	-1
## 8028	143.78343	0.317615	-1
## 8039	141.80780	0.519955	-1
## 8045	140.12024	0.462507	-1
## 8053	125.88731	0.464993	-1
## 8055	129.85622	0.420633	-1
## 8056	134.30527	0.664508	-1
## 8058	141.82953	0.306932	-1
## 8059	140.38307	0.249846	-1
## 8066	153.67999	0.669352	-1
## 8073	134.04990	0.434099	-1
## 8075	135.84904	0.404995	-1
## 8076	130.86565	0.376182	-1
## 8079	150.59882	0.639943	-1
## 8080	150.18022	0.844861	-1
## 8091	88.00206	0.355150	1
## 8093	88.66354	0.272341	1
## 8099	77.58692	0.648910	1
## 8108	81.16769	0.294300	1
## 8117	109.52874	0.353939	1
## 8122	133.20317	0.821316	1
## 8137	118.79455	0.307981	1
## 8140	141.62865	0.765207	1
## 8148	108.01984	0.436313	1
## 8154	125.42376	0.795333	1

## 8165	115.62207	0.722500	1
## 8172	89.15743	0.564232	1
## 8188	64.34837	0.555075	1
## 8196	112.79469	0.664196	1
## 8199	97.30243	0.564422	1
## 8212	126.98495	0.446531	1
## 8218	127.84692	0.420894	1
## 8219	121.51126	0.375275	1
## 8223	141.45320	0.270432	1
## 8229	109.19930	0.337108	1
## 8230	130.26239	0.203099	1
## 8233	99.64321	0.374102	1
## 8237	155.20003	0.458979	-1
## 8239	145.31043	0.442438	-1
## 8242	137.35068	0.436057	-1
## 8246	143.46176	0.547258	-1
## 8247	145.83879	0.592683	-1
## 8257	153.36664	0.723279	-1
## 8264	124.62493	0.495244	-1
## 8268	132.39369	0.433113	1
## 8281	110.47516	0.719767	1
## 8282	130.00676	0.596364	1
## 8286	105.21822	0.523767	1
## 8291	123.70563	0.675769	1
## 8293	96.56761	0.679760	1
## 8296	81.02750	0.417410	1
## 8297	112.91020	0.615309	1
## 8298	81.44268	0.573480	1
## 8303	86.97319	0.700979	1
## 8318	124.47857	0.444433	1
## 8319	119.81933	0.437364	1
## 8329	126.07166	0.401583	1
## 8338	119.21435	0.383109	1
## 8342	117.73161	0.791724	1
## 8344	78.75288	0.492547	1
## 8345	103.53944	0.447234	1
## 8362	85.71948	0.468753	1
## 8364	65.38028	0.441306	1
## 8366	121.80552	0.798368	1
## 8369	117.86378	0.876090	1
## 8372	141.33075	0.446587	1
## 8373	143.02357	0.491900	1
## 8374	133.56473	0.689081	1
## 8378	108.62140	0.587862	1
## 8388	132.42705	0.467756	1
## 8389	112.23531	0.640229	1
## 8393	97.90864	0.474350	1
## 8395	116.25196	0.462244	1
## 8399	102.41873	0.402690	1
## 8400	115.46704	0.376257	1
## 8406	96.34176	0.315875	1
## 8414	84.09667	0.595261	1
## 8425	110.71905	0.732869	1
## 8429	109.36737	0.667482	1

## 8438	105.02542	0.399220	1
## 8439	121.92763	0.566592	1
## 8442	121.57492	0.425925	1
## 8449	93.07153	0.240727	1
## 8451	99.14314	0.700080	1
## 8455	145.35281	0.358028	-1
## 8458	143.00064	0.513575	-1
## 8460	125.01399	0.387502	-1
## 8473	121.35439	0.347182	-1
## 8474	138.17650	0.372075	-1
## 8482	125.85421	0.401930	-1
## 8486	150.71275	0.650483	-1
## 8488	146.20160	0.690552	-1
## 8491	131.30083	0.624575	-1
## 8496	103.90372	0.735809	1
## 8504	107.06945	0.551225	1
## 8509	93.60245	0.603098	1
## 8519	121.04861	0.890159	1
## 8521	113.15363	0.676615	1
## 8534	113.63250	0.382404	1
## 8536	93.36656	0.438093	1
## 8541	117.52020	0.370969	1
## 8546	94.24783	0.523275	1
## 8547	90.54311	0.227392	1
## 8551	75.23041	0.377737	1
## 8565	99.07080	0.485327	1
## 8578	92.65053	0.329585	1
## 8587	137.86844	0.879865	1
## 8589	121.67587	0.454253	1
## 8592	139.47920	0.416249	1
## 8593	139.84593	0.492910	1
## 8599	111.29671	0.871001	1
## 8605	109.81194	0.696839	1
## 8612	135.02771	0.421888	-1
## 8616	135.67543	0.653537	-1
## 8617	135.76816	0.644628	-1
## 8621	152.34676	0.685479	-1
## 8633	87.57455	0.336624	-1
## 8640	122.65865	0.287697	-1
## 8655	129.28777	0.675011	-1
## 8660	129.85355	0.499112	-1
## 8661	137.22768	0.493846	-1
## 8663	131.23231	0.597304	-1
## 8665	86.85976	0.501112	-1
## 8668	160.46811	0.632983	-1
## 8676	148.32637	0.468190	1
## 8681	124.91811	0.376190	1
## 8689	131.64598	0.282391	1
## 8691	118.38275	0.805513	1
## 8701	121.08608	0.494628	1
## 8706	117.06737	0.699452	1
## 8733	146.21907	0.706025	1
## 8737	110.03919	0.565848	1
## 8740	119.93108	0.360580	1

## 8743	118.10389	0.357916	1
## 8744	105.32664	0.470016	1
## 8747	101.03973	0.527598	1
## 8761	107.89755	0.730524	1
## 8762	123.21914	0.849360	1
## 8764	98.45134	0.262197	1
## 8771	114.98066	0.639455	1
## 8774	135.74483	0.602188	1
## 8782	114.78386	0.457249	1
## 8783	104.79952	0.591053	1
## 8786	90.93398	0.584353	1
## 8795	124.82113	0.368339	1
## 8797	139.69153	0.438867	1
## 8799	120.89750	0.327034	1
## 8800	103.52171	0.487142	1
## 8820	105.70890	0.709263	1
## 8823	107.59368	0.696035	1
## 8825	116.68827	0.503810	1
## 8828	121.84904	0.502570	1
## 8830	125.52303	0.386482	1
## 8840	120.73033	0.661943	1
## 8841	129.23106	0.690253	1
## 8849	111.74349	0.284874	1
## 8850	123.58632	0.311088	1
## 8852	122.04404	0.566050	1
## 8859	136.70961	0.550125	1
## 8865	122.53189	0.243008	1
## 8869	130.59004	0.415797	1
## 8874	142.78064	0.419880	-1
## 8881	141.91219	0.721471	-1
## 8919	143.96001	0.688937	-1
## 8942	143.74071	0.395943	-1
## 8951	133.21045	0.421492	-1
## 8965	140.67783	0.713837	-1
## 8966	97.43404	0.478794	-1
## 8968	141.84566	0.748092	-1
## 8969	149.92796	0.779016	-1
## 8971	145.68788	0.696092	-1
## 8979	136.31168	0.700175	-1
## 8980	144.16844	0.721510	-1
## 8985	117.56736	0.418641	-1
## 8987	120.13783	0.359523	-1
## 8989	123.48611	0.279259	-1
## 8995	134.39113	0.442794	-1
## 8999	126.88242	0.474592	-1
## 9001	119.09172	0.358016	-1
## 9002	128.85516	0.668307	-1
## 9007	99.24915	0.358720	-1
## 9009	147.17555	0.617519	1
## 9018	132.46523	0.235287	1
## 9021	113.26835	0.317700	1
## 9024	108.67997	0.275011	1
## 9037	108.85644	0.252021	1
## 9038	121.41011	0.391945	1

## 9039	104.60792	0.742754	1
## 9047	128.60437	0.738381	1
## 9048	124.94827	0.517850	1
## 9051	130.91586	0.493919	1
## 9052	125.01266	0.661634	1
## 9054	138.89987	0.496042	1
## 9058	133.78038	0.664912	1
## 9060	138.26813	0.434065	1
## 9066	134.42114	0.512916	1
## 9068	114.01932	0.674383	1
## 9085	127.93056	0.266221	1
## 9091	118.01575	0.217276	1
## 9095	105.82031	0.301291	1
## 9097	104.79852	0.241095	1
## 9099	151.13124	0.285162	1
## 9106	111.59377	0.304275	1
## 9111	96.07742	0.401164	1
## 9113	89.11461	0.270737	-1
## 9115	113.86454	0.262960	-1
## 9116	89.19804	0.294084	-1
## 9120	89.70867	0.283738	-1
## 9128	128.89812	0.554327	-1
## 9142	105.10940	0.365563	-1
## 9147	134.24240	0.489051	-1
## 9156	127.46589	0.770313	-1
## 9170	114.64780	0.242921	-1
## 9180	117.72832	0.417045	-1
## 9182	110.31636	0.275183	-1
## 9191	135.30679	0.303467	-1
## 9192	88.58570	0.291600	-1
## 9196	122.37974	0.346600	-1
## 9200	110.54104	0.568924	-1
## 9205	132.11182	0.494919	-1
## 9211	149.43997	0.476131	-1
## 9213	132.14992	0.603235	-1
## 9214	126.34187	0.783653	-1
## 9215	84.67717	0.454794	-1
## 9216	109.17982	0.522283	-1
## 9219	124.34251	0.811419	-1
## 9221	129.53522	0.292326	-1
## 9230	132.00998	0.463358	-1
## 9231	135.23805	0.231199	-1
## 9239	83.99335	0.319639	-1
## 9252	118.93372	0.587600	1
## 9255	119.06223	0.724520	1
## 9262	91.83579	0.321853	1
## 9271	136.28082	0.116587	1
## 9272	117.76674	0.108998	1
## 9275	116.76286	0.340829	1
## 9281	106.68499	0.502270	1
## 9284	112.75006	0.602765	1
## 9289	127.89484	0.515104	1
## 9291	130.59625	0.670044	1
## 9292	117.94455	0.490005	1

## 9293	121.38449	0.665302	1
## 9294	133.80495	0.697187	1
## 9302	130.71275	0.780067	1
## 9306	121.43733	0.550167	1
## 9317	111.01177	0.332915	1
## 9319	128.17949	0.214642	1
## 9320	122.50674	0.374647	1
## 9325	123.29855	0.196126	1
## 9327	135.66872	0.343024	1
## 9331	122.27342	0.324878	1
## 9335	111.75281	0.204261	1
## 9338	112.69860	0.247409	1
## 9345	141.45277	0.426939	1
## 9354	120.16290	0.536213	1
## 9362	134.62534	0.833273	1
## 9367	105.69872	0.376810	1
## 9373	118.31945	0.335643	1
## 9380	115.43680	0.346394	-1
## 9381	97.67982	0.263026	-1
## 9385	85.48742	0.625221	-1
## 9390	124.06040	0.349089	-1
## 9393	138.17560	0.306441	-1
## 9403	111.12668	0.273658	-1
## 9411	134.49747	0.530701	-1
## 9418	101.20345	0.347512	-1
## 9420	94.52073	0.211717	-1
## 9435	94.40970	0.684089	-1
## 9441	110.26795	0.722095	1
## 9442	127.43252	0.696796	1
## 9443	89.78976	0.316789	1
## 9444	122.21626	0.231095	1
## 9447	91.76753	0.127691	1
## 9452	106.47362	0.261212	1
## 9453	94.51949	0.230469	1
## 9455	98.92092	0.517400	1
## 9458	123.25868	0.105059	1
## 9459	122.82363	0.339461	1
## 9461	127.36371	0.342669	1
## 9468	112.14566	0.578902	1
## 9469	115.30880	0.571056	1
## 9471	115.26480	0.621651	1
## 9482	112.33151	0.370554	1
## 9484	148.11121	0.743214	1
## 9485	136.74818	0.675413	1
## 9490	139.44218	0.781642	1
## 9492	118.86394	0.557993	1
## 9501	123.37781	0.254395	1
## 9504	121.99466	0.290564	1
## 9514	107.58853	0.141892	1
## 9517	113.47372	0.324811	1
## 9529	120.11970	0.642453	1
## 9531	100.05693	0.240609	1
## 9532	112.74225	0.320438	1
## 9536	121.17818	0.675174	1

## 9538	113.24976	0.188670	1
## 9539	129.44322	0.258989	1
## 9541	128.51343	0.240804	1
## 9546	133.91705	0.217255	-1
## 9555	118.44415	0.237693	-1
## 9556	123.14352	0.396636	-1
## 9565	100.47966	0.453015	-1
## 9575	129.48039	0.190719	-1
## 9578	130.95818	0.327610	-1
## 9585	129.78377	0.309765	-1
## 9588	120.30366	0.441296	-1
## 9598	107.50738	0.184252	-1
## 9606	97.20801	0.516909	-1
## 9607	122.26370	0.337604	-1
## 9610	110.61951	0.563949	-1
## 9612	129.27463	0.163825	-1
## 9627	135.53125	0.272846	-1
## 9642	89.37037	0.128283	1
## 9648	114.27528	0.230944	1
## 9651	115.81005	0.473206	1
## 9653	109.21088	0.104427	1
## 9654	97.04636	0.353313	1
## 9656	133.16159	0.336957	1
## 9658	121.69740	0.267997	1
## 9661	94.01375	0.756486	1
## 9670	110.41358	0.514819	1
## 9693	136.75555	0.374369	1
## 9698	140.52672	0.335772	1
## 9701	127.83376	0.382283	1
## 9703	134.48428	0.338781	1
## 9704	115.20848	0.286191	1
## 9706	135.73222	0.173676	1
## 9718	124.27040	0.448486	1
## 9721	104.57930	0.198743	1
## 9724	124.89597	0.337982	1
## 9734	155.26769	0.494532	1
## 9740	124.69013	0.209231	1
## 9741	110.55750	0.168349	1
## 9742	117.42774	0.401875	1
## 9744	118.77803	0.575362	1
## 9756	144.69514	0.274095	-1
## 9761	146.11191	0.608634	-1
## 9767	137.44369	0.598574	-1
## 9777	132.34029	0.702365	-1
## 9779	134.49844	0.454601	-1
## 9795	120.56502	0.357548	-1
## 9800	118.14042	0.457482	-1
## 9802	88.04137	0.601403	-1
## 9806	99.07875	0.644017	-1
## 9813	101.09521	0.320044	1
## 9820	111.94881	0.199973	1
## 9823	85.52927	0.225832	1
## 9836	125.45830	0.759725	1
## 9851	124.21154	0.499906	1

## 9853	114.11485	0.584879	1
## 9862	143.36038	0.549130	1
## 9863	132.06755	0.508413	1
## 9868	141.21137	0.371057	1
## 9869	123.07982	0.202478	1
## 9870	121.80074	0.223854	1
## 9872	129.67577	0.235728	1
## 9875	123.17100	0.215446	1
## 9876	142.95262	0.378070	1
## 9879	133.61108	0.280036	1
## 9882	120.45713	0.267953	1
## 9885	147.91444	0.106230	1
## 9887	96.80969	0.324149	1
## 9908	124.15445	0.567482	1
## 9913	140.49674	0.831543	1
## 9924	111.10870	0.466753	1
## 9931	144.10378	0.561109	-1
## 9955	138.82637	0.379347	-1
## 9961	128.90825	0.542419	-1
## 9967	137.00102	0.325113	-1
## 9970	134.21919	0.842393	-1
## 9980	141.28735	0.319239	-1
## 9981	124.33684	0.255414	-1
## 9986	112.86815	0.238286	-1
## 9987	130.70830	0.347963	-1
## 9992	133.41040	0.360027	-1
## 10000	134.82558	0.780522	-1
## 10005	160.94766	0.428434	-1
## 10014	143.84698	0.722560	-1
## 10017	149.66550	0.746419	-1
## 10019	149.36706	0.768817	-1
## 10025	146.11098	0.753368	-1
## 10030	137.54903	0.650536	-1
## 10041	152.14114	0.691582	-1
## 10046	142.64168	0.721353	-1
## 10049	143.30937	0.698370	-1
## 10051	144.74263	0.712113	-1
## 10052	146.68872	0.645943	-1
## 10053	148.89218	0.643426	-1
## 10056	136.69504	0.681001	-1
## 10061	150.83574	0.708922	-1
## 10065	140.86281	0.691083	-1
## 10069	143.77863	0.726643	-1
## 10070	110.26197	0.449637	-1
## 10073	147.36519	0.727249	-1
## 10082	140.69235	0.670172	-1
## 10093	134.91025	0.749375	1
## 10094	120.24717	0.525842	1
## 10096	121.81714	0.479500	1
## 10097	150.63112	0.624783	1
## 10110	135.82037	0.251941	1
## 10111	136.99809	0.252628	1
## 10113	123.09414	0.179174	1
## 10124	135.29987	0.418214	1

## 10135	113.57295	0.396248	1
## 10140	145.99589	0.616081	1
## 10146	139.08980	0.799155	1
## 10151	88.51408	0.625855	1
## 10153	98.44462	0.442566	1
## 10156	96.07723	0.634198	1
## 10167	107.78148	0.464189	1
## 10168	130.94533	0.592165	1
## 10171	124.97597	0.845031	1
## 10176	99.23616	0.364702	1
## 10179	99.55929	0.308536	1
## 10189	92.20307	0.731834	1
## 10192	107.14951	0.415611	1
## 10193	109.15162	0.451480	1
## 10195	105.69707	0.420394	1
## 10209	119.54671	0.460730	1
## 10212	102.92871	0.833771	1
## 10215	86.03162	0.728243	1
## 10222	115.31507	0.669840	1
## 10229	109.07342	0.620414	1
## 10239	120.44658	0.525473	1
## 10248	102.51735	0.666155	1
## 10260	108.22799	0.332031	1
## 10266	105.95026	0.392898	1
## 10267	122.94697	0.479876	1
## 10269	84.45380	0.684933	1
## 10278	123.21104	0.886838	1
## 10281	109.45258	0.805335	1
## 10289	133.33022	0.453416	1
## 10293	87.31947	0.528500	1
## 10296	73.33552	0.763774	1
## 10302	96.69850	0.458321	1
## 10305	86.45541	0.512121	1
## 10331	89.10728	0.632919	1
## 10333	102.35571	0.731497	1
## 10335	75.60744	0.705814	1
## 10340	109.30581	0.615729	1
## 10342	105.11335	0.414429	1
## 10348	156.18202	0.604425	1
## 10359	85.14745	0.523612	1
## 10363	146.29408	0.855326	1
## 10364	144.31249	0.874593	1
## 10375	94.99215	0.620803	1
## 10380	76.97672	0.438528	1
## 10383	84.85664	0.833466	1
## 10384	61.90647	0.287161	1
## 10392	90.82337	0.469953	1
## 10396	107.82906	0.540614	1
## 10397	108.48908	0.679416	1
## 10404	94.30557	0.593830	1
## 10407	102.09174	0.637190	1
## 10415	101.86389	0.755014	1
## 10420	96.91757	0.334078	1
## 10438	110.68957	0.530537	1

## 10450	118.89514	0.624831	1
## 10452	109.02213	0.628700	1
## 10456	83.24365	0.598916	1
## 10459	98.78185	0.771515	1
## 10462	95.87858	0.597195	1
## 10463	118.90728	0.445800	1
## 10466	126.74721	0.462559	1
## 10468	113.67584	0.502262	1
## 10469	114.43038	0.407361	1
## 10477	104.98202	0.156897	1
## 10478	130.65433	0.346743	1
## 10488	135.12895	0.867418	1
## 10490	133.92288	0.724784	1
## 10497	80.24585	0.619525	1
## 10508	74.08826	0.528854	1
## 10510	66.30729	0.502748	1
## 10513	95.52979	0.694712	1
## 10514	84.51221	0.646987	1
## 10515	86.55772	0.830978	1
## 10520	108.32669	0.592354	1
## 10527	77.49471	0.396690	1
## 10529	114.57091	0.800948	1
## 10530	94.47827	0.655007	1
## 10533	146.86072	0.315599	1
## 10535	132.57816	0.343874	1
## 10537	128.59354	0.362826	1
## 10541	123.09006	0.358436	1
## 10542	124.38828	0.388596	1
## 10544	122.87533	0.363325	1
## 10545	134.56374	0.380430	1
## 10553	128.06277	0.426993	1
## 10556	109.67226	0.524529	1
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## 10567	104.38032	0.479700	1
## 10579	77.03422	0.758053	1
## 10581	106.58451	0.822477	1
## 10586	82.55862	0.605020	1
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## 10589	104.16700	0.687528	1
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## 10620	82.44687	0.369146	1
## 10621	115.10633	0.253307	1
## 10622	96.35925	0.282583	1
## 10623	89.42069	0.255888	1
## 10624	90.47482	0.314375	1
## 10625	100.38251	0.252217	1
## 10626	92.77993	0.250430	1
## 10636	84.17343	0.651470	1
## 10638	80.10886	0.678913	1
## 10644	118.99116	0.618553	1
## 10669	107.50272	0.796711	1

## 10671	113.76731	0.791803	1
## 10673	96.59390	0.268815	1
## 10684	93.03377	0.812452	1
## 10687	105.08693	0.623910	1
## 10688	103.22141	0.521808	1
## 10694	136.48379	0.498402	1
## 10699	97.27535	0.808398	1
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## 10715	80.70918	0.730972	1
## 10720	99.60738	0.648356	1
## 10730	145.59998	0.305731	1
## 10739	124.49545	0.466308	1
## 10743	134.27534	0.741770	1
## 10744	120.62500	0.602987	1
## 10750	126.89393	0.271667	1
## 10757	118.13289	0.415610	1
## 10773	106.80826	0.424745	1
## 10774	128.05411	0.489906	1
## 10790	118.42952	0.799410	1
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## 10804	135.24312	0.610732	1
## 10807	96.36889	0.547587	1
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## 10815	106.60955	0.438095	1
## 10819	101.30115	0.566344	1
## 10823	92.94182	0.406041	1
## 10825	142.23872	0.416222	1
## 10826	105.11093	0.389453	1
## 10831	131.79082	0.803716	1
## 10834	108.92407	0.489306	1
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## 10859	118.08400	0.744479	1
## 10868	91.61283	0.596773	1
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## 10878	85.69093	0.334505	1
## 10889	114.95795	0.654061	1
## 10890	122.31983	0.670870	1
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## 10947	136.78517	0.539264	-1
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## 10997	104.95411	0.591273	-1
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## 11020	121.55990	0.696204	-1
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## 11095	138.58293	0.789015	-1
## 11100	123.88250	0.467831	-1
## 11103	119.19163	0.345645	-1
## 11107	142.56616	0.678221	-1
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## 11174	120.72192	0.732205	1
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## 11180	106.02661	0.674667	1
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## 11273	139.23038	0.512974	-1
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## 11277	134.33487	0.735824	-1
## 11281	147.32445	0.783817	-1
## 11282	149.34349	0.530223	-1
## 11290	121.96663	0.690530	1
## 11294	106.35232	0.627364	1
## 11301	93.26408	0.513726	1
## 11305	91.01961	0.536407	1
## 11310	105.34270	0.803383	1
## 11316	133.12991	0.738388	1
## 11318	117.42936	0.345072	1
## 11321	107.34732	0.146040	1
## 11334	94.56023	0.616791	1
## 11349	115.32905	0.802372	1
## 11368	82.30637	0.753908	1
## 11370	93.86593	0.756446	1
## 11384	125.28197	0.373056	1
## 11395	108.48420	0.364154	1
## 11396	75.74052	0.540811	1
## 11408	94.48383	0.446468	1
## 11422	122.25311	0.303444	1
## 11425	98.31872	0.347652	1
## 11426	118.13611	0.706775	1
## 11431	106.36365	0.133262	1
## 11432	128.57829	0.098309	1
## 11434	113.46412	0.409576	1
## 11440	100.56413	0.523597	1
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## 11447	146.17676	0.563656	1
## 11449	135.78052	0.676543	1
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## 11461	121.06423	0.631045	1
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## 11500	87.50314	0.611964	1
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## 11507	127.02563	0.381325	1
## 11508	123.33876	0.352489	1
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## 11522	85.57467	0.448828	1
## 11523	110.58069	0.838220	1
## 11528	103.86070	0.700732	1
## 11540	114.88953	0.481643	1
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## 11547	111.00901	0.435823	1
## 11548	110.65253	0.498881	1
## 11558	124.98077	0.335622	1
## 11560	129.23112	0.468621	1
## 11567	148.59994	0.689818	1
## 11571	126.45407	0.814786	1
## 11578	97.78070	0.396541	1
## 11580	96.39294	0.653675	1
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## 11656	127.97820	0.202368	1
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## 12332	128.78641	0.673365	-1
## 12335	126.13187	0.856745	-1
## 12340	144.47150	0.617852	-1
## 12345	145.28836	0.806765	-1
## 12347	146.06938	0.799549	-1
## 12361	124.51551	0.420418	-1
## 12363	121.71387	0.479115	-1
## 12373	126.51023	0.427247	-1
## 12378	106.69062	0.488166	-1
## 12385	93.06464	0.695394	1
## 12397	96.16337	0.301495	1
## 12402	91.59532	0.339118	1

## 12410	94.76459	0.787772	1
## 12411	96.15909	0.796588	1
## 12412	98.80738	0.791638	1
## 12413	119.10818	0.806481	1
## 12423	120.61641	0.331474	1
## 12434	126.07426	0.766639	1
## 12437	144.19569	0.620976	1
## 12439	110.21439	0.551317	1
## 12443	137.31725	0.779868	1
## 12450	120.50832	0.711033	1
## 12455	116.40649	0.816016	1
## 12465	87.35576	0.661163	1
## 12477	128.16180	0.794419	1
## 12483	89.94600	0.269325	1
## 12501	131.28355	0.847267	1
## 12503	123.40449	0.657447	1
## 12509	107.92804	0.799576	1
## 12513	99.78934	0.802943	1
## 12521	90.86974	0.794374	1
## 12523	93.92662	0.807578	1
## 12531	99.33021	0.317175	1
## 12534	105.88766	0.567015	1
## 12538	121.37093	0.392570	1
## 12543	139.46744	0.773839	1
## 12560	113.09087	0.599206	1
## 12564	85.60247	0.244042	1
## 12570	86.84046	0.319182	1
## 12573	94.48783	0.357381	1
## 12578	129.48555	0.253784	1
## 12580	94.31431	0.347793	1
## 12582	91.84523	0.268909	1
## 12587	91.72807	0.271632	1
## 12591	87.46003	0.289487	1
## 12598	103.61705	0.176704	1
## 12609	102.60722	0.697848	1
## 12617	99.50803	0.780714	1
## 12626	117.19112	0.634134	1
## 12634	88.49246	0.543709	1
## 12636	134.08287	0.313509	1
## 12640	118.89111	0.281546	1
## 12650	121.73921	0.877911	1
## 12653	111.80535	0.799660	1
## 12654	105.41965	0.763902	1
## 12658	103.47596	0.831838	1
## 12659	87.06029	0.581479	1
## 12666	117.14919	0.624250	1
## 12669	97.53867	0.820817	1
## 12681	129.85899	0.779368	1
## 12682	126.51971	0.309481	1
## 12690	129.34486	0.249766	1
## 12700	117.58536	0.361533	1
## 12701	95.23318	0.436865	1
## 12708	112.32839	0.693606	1
## 12709	111.05971	0.773571	1

## 12711	108.49734	0.666100	1
## 12715	123.99683	0.696551	1
## 12719	99.11628	0.800790	1
## 12726	98.03635	0.413919	1
## 12727	90.37248	0.300239	1
## 12729	78.36673	0.535979	1
## 12743	99.85627	0.705883	1
## 12748	98.10555	0.818849	1
## 12750	123.37416	0.813173	1
## 12759	107.50077	0.778153	1
## 12761	121.29223	0.820619	1
## 12763	114.59787	0.817371	1
## 12777	89.88860	0.325717	1
## 12778	97.44286	0.412314	1
## 12779	112.79559	0.283278	1
## 12785	129.23196	0.782678	1
## 12787	123.84849	0.783298	1
## 12794	114.75518	0.704796	1
## 12795	121.10154	0.762466	1
## 12797	106.73668	0.510896	1
## 12798	119.69123	0.439444	1
## 12808	110.69314	0.410660	1
## 12810	105.29380	0.435427	1
## 12819	112.60968	0.453079	1
## 12824	111.54925	0.477281	1
## 12827	102.86403	0.304008	1
## 12840	118.05460	0.874656	1
## 12841	102.60165	0.442059	1
## 12846	109.85513	0.451121	1
## 12850	125.44274	0.387614	1
## 12852	141.87610	0.306088	1
## 12853	109.55307	0.501314	1
## 12856	100.71052	0.251236	1
## 12860	92.62351	0.292468	1
## 12861	146.87129	0.230849	1
## 12873	154.47548	0.262250	1
## 12876	100.75774	0.591182	1
## 12881	118.33797	0.475032	1
## 12882	84.54489	0.618241	1
## 12883	102.89683	0.693795	1
## 12887	92.53921	0.366047	1
## 12893	126.42385	0.846631	1
## 12895	98.82455	0.815814	1
## 12900	71.53897	0.628584	1
## 12904	58.37033	0.485060	1
## 12908	127.91971	0.577978	1
## 12912	84.53656	0.559197	1
## 12924	99.23479	0.443515	1
## 12925	95.81540	0.412774	1
## 12926	90.65906	0.679310	1
## 12928	133.42430	0.164906	1
## 12947	83.63425	0.323017	1
## 12950	132.91098	0.263179	1
## 12954	123.00425	0.760502	1

## 12958	97.15638	0.648860	1
## 12970	113.05719	0.402415	1
## 12971	100.02782	0.399623	1
## 12973	80.59280	0.648733	1
## 12982	80.97246	0.686035	1
## 12984	88.84157	0.761171	1
## 12986	106.90278	0.523142	1
## 12995	97.88862	0.398394	1
## 13006	128.10487	0.466495	1
## 13008	127.41617	0.391660	1
## 13018	104.13742	0.523654	1
## 13022	107.80019	0.330654	1
## 13025	124.44076	0.747263	1
## 13039	72.85265	0.432821	1
## 13048	81.22375	0.418892	1
## 13057	135.62024	0.268636	-1
## 13059	136.44132	0.682148	-1
## 13061	125.43529	0.335333	-1
## 13068	138.49806	0.643163	-1
## 13070	147.33254	0.693578	-1
## 13073	146.00700	0.719775	-1
## 13075	148.44649	0.731763	-1
## 13084	152.94980	0.669598	-1
## 13087	144.54366	0.726458	-1
## 13093	146.23637	0.679072	-1
## 13095	124.16439	0.390434	-1
## 13101	137.25104	0.550229	1
## 13106	122.23877	0.642696	1
## 13109	92.89090	0.344432	1
## 13117	124.60989	0.721728	1
## 13119	113.71218	0.330589	1
## 13120	100.03699	0.240716	1
## 13123	105.71551	0.143407	1
## 13127	116.40429	0.274956	1
## 13130	112.00198	0.402012	1
## 13137	93.69159	0.338374	1
## 13139	113.06679	0.267504	1
## 13141	112.57128	0.402754	1
## 13144	83.20306	0.610009	1
## 13151	130.41382	0.515876	1
## 13153	142.90080	0.672249	1
## 13156	140.08290	0.695087	1
## 13159	138.81000	0.573376	1
## 13161	132.78703	0.673066	1
## 13165	143.96794	0.678018	1
## 13169	124.90643	0.508803	1
## 13170	113.54806	0.704832	1
## 13173	134.65709	0.379596	1
## 13174	128.40147	0.372711	1
## 13176	92.09234	0.226637	1
## 13187	120.40046	0.175905	1
## 13193	128.12526	0.328536	1
## 13195	130.02623	0.290390	1
## 13196	127.65099	0.408621	1

## 13202	149.66917	0.447833	1
## 13203	162.46985	0.507281	1
## 13210	94.60139	0.368464	-1
## 13212	113.47669	0.282711	-1
## 13216	141.98349	0.273181	-1
## 13221	133.08575	0.310889	-1
## 13222	124.90670	0.464850	-1
## 13225	135.11165	0.393067	-1
## 13233	124.07127	0.331956	-1
## 13236	142.75751	0.745997	-1
## 13242	124.58805	0.337932	-1
## 13244	112.18209	0.221154	-1
## 13248	139.90970	0.750829	-1
## 13252	119.19733	0.372806	-1
## 13253	143.56569	0.679636	-1
## 13257	146.86385	0.540662	-1
## 13263	140.91862	0.733220	-1
## 13272	146.34378	0.707977	-1
## 13276	145.01920	0.638087	-1
## 13281	127.98594	0.564857	-1
## 13284	143.00993	0.729548	-1
## 13285	130.57579	0.591944	-1
## 13286	133.49272	0.396487	-1
## 13292	156.63501	0.709169	-1
## 13293	154.18962	0.672416	-1
## 13295	156.25932	0.717185	-1
## 13309	145.46091	0.644275	-1
## 13314	133.34589	0.579093	-1
## 13315	142.63748	0.581837	-1
## 13320	138.84923	0.709734	-1
## 13326	148.58205	0.698326	-1
## 13330	149.29857	0.773010	-1
## 13341	111.46832	0.502329	1
## 13348	121.39932	0.727354	1
## 13349	124.34522	0.698565	1
## 13356	119.13017	0.303819	1
## 13362	96.22759	0.517477	1
## 13367	94.82086	0.237315	1
## 13369	113.63283	0.161004	1
## 13374	82.94848	0.519516	1
## 13377	133.61653	0.620368	1
## 13380	133.95218	0.481749	1
## 13387	141.19540	0.699254	1
## 13388	139.60796	0.500300	1
## 13390	136.75134	0.590473	1
## 13398	115.62045	0.557977	1
## 13405	102.79332	0.375119	1
## 13408	128.91870	0.255427	1
## 13411	148.13281	0.283446	1
## 13414	120.08278	0.221049	1
## 13417	131.25619	0.322541	1
## 13421	120.37476	0.097068	1
## 13427	108.98035	0.206666	1
## 13430	129.21368	0.634157	1

## 13435	123.62216	0.724237	1
## 13444	120.64403	0.201597	1
## 13445	108.80135	0.272856	1
## 13454	117.58950	0.229914	1
## 13457	118.26067	0.267224	1
## 13460	109.12749	0.377583	1
## 13462	107.11234	0.207241	1
## 13464	109.28320	0.254907	1
## 13465	113.72318	0.246026	1
## 13472	121.26878	0.290664	1
## 13474	130.35683	0.177530	1
## 13486	110.61980	0.464387	1
## 13488	118.10519	0.452148	1
## 13489	159.60084	0.496060	1
## 13494	120.47595	0.349177	-1
## 13496	135.28667	0.336879	-1
## 13497	139.17021	0.421401	-1
## 13499	127.10085	0.478958	-1
## 13501	150.61516	0.606312	-1
## 13503	143.55812	0.302740	-1
## 13513	144.20811	0.338992	-1
## 13520	126.64884	0.356513	-1
## 13521	128.27994	0.586996	-1
## 13524	135.01150	0.554835	-1
## 13527	130.89966	0.508389	-1
## 13529	138.63148	0.344836	-1
## 13531	138.06081	0.582698	-1
## 13535	146.75465	0.403896	-1
## 13538	129.74936	0.379050	-1
## 13544	122.79519	0.392734	1
## 13552	102.93136	0.305949	1
## 13554	98.18064	0.322068	1
## 13561	118.06640	0.524483	1
## 13563	127.21299	0.115186	1
## 13565	97.12513	0.348450	1
## 13570	92.33684	0.246278	1
## 13573	114.14420	0.523100	1
## 13577	129.60968	0.619666	1
## 13581	121.29481	0.513347	1
## 13582	142.67671	0.508864	1
## 13585	119.39127	0.660133	1
## 13590	140.75789	0.732324	1
## 13597	109.34145	0.568003	1
## 13601	140.94157	0.673655	1
## 13602	140.45487	0.907590	1
## 13608	133.28894	0.262014	1
## 13610	93.53133	0.290565	1
## 13614	155.62019	0.350005	1
## 13619	128.29109	0.352545	1
## 13621	111.35588	0.100139	1
## 13628	124.00784	0.313187	1
## 13633	121.02010	0.392659	1
## 13636	90.23534	0.400153	1
## 13640	138.04362	0.794293	1

## 13650	124.79703	0.245866	1
## 13651	97.79769	0.265533	1
## 13654	106.95657	0.326276	1
## 13662	109.98220	0.487513	1
## 13671	107.83915	0.405578	1
## 13673	109.33333	0.526029	1
## 13676	99.21503	0.609967	1
## 13680	81.51781	0.731695	1
## 13682	131.41486	0.517958	1
## 13684	132.22304	0.497319	1
## 13688	112.80551	0.375274	1
## 13697	130.94853	0.564900	1
## 13700	139.02776	0.700461	1
## 13701	106.05344	0.674394	1
## 13719	114.56282	0.336282	1
## 13723	130.96994	0.326724	1
## 13724	111.09992	0.201024	1
## 13727	131.12972	0.226955	1
## 13733	109.69604	0.448064	1
## 13737	120.95653	0.504402	1
## 13741	107.45628	0.369912	-1
## 13742	124.95971	0.411573	-1
## 13747	97.29556	0.357661	-1
## 13751	123.47964	0.466666	-1
## 13755	134.14259	0.352992	-1
## 13757	128.44290	0.769286	-1
## 13759	127.74713	0.167564	-1
## 13766	110.37762	0.595906	1
## 13774	108.47683	0.323212	1
## 13782	80.96614	0.463668	1
## 13784	129.84337	0.107596	1
## 13787	112.57474	0.343922	1
## 13790	77.40255	0.259296	1
## 13793	79.02183	0.522011	1
## 13806	127.46628	0.687220	1
## 13809	137.24025	0.576961	1
## 13810	127.34386	0.730309	1
## 13811	145.71973	0.657981	1
## 13815	141.62091	0.676631	1
## 13830	132.77548	0.287193	1
## 13832	123.44034	0.386099	1
## 13834	142.61583	0.352844	1
## 13837	132.03687	0.179294	1
## 13839	148.35271	0.333739	1
## 13840	153.94461	0.150281	1
## 13841	123.76224	0.101014	1
## 13845	120.34316	0.293423	1
## 13848	108.85015	0.313160	1
## 13852	108.45982	0.192311	1
## 13860	127.00028	0.393203	1
## 13870	109.54837	0.189650	1
## 13872	107.39728	0.172577	1
## 13877	126.42925	0.553611	1
## 13880	138.81215	0.720656	1

## 13888	104.73177	0.311930	1
## 13889	85.19218	0.203081	1
## 13892	100.66135	0.239370	1
## 13899	133.22803	0.232950	1
## 13901	121.31907	0.158762	1
## 13902	113.74662	0.298808	1
## 13903	120.23526	0.261413	1
## 13913	110.50731	0.740393	1
## 13916	103.23822	0.591155	1
## 13917	113.30975	0.626101	1
## 13918	105.45592	0.493021	1
## 13931	118.95103	0.567493	1
## 13937	136.31007	0.385129	1
## 13942	135.54585	0.234426	1
## 13947	132.48549	0.223095	1
## 13959	117.46818	0.391290	1
## 13966	106.67641	0.398753	1
## 13971	132.33878	0.236853	1
## 13982	136.36433	0.208052	-1
## 13988	122.94223	0.517991	-1
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## 13997	122.02105	0.572915	-1
## 14002	117.23338	0.348382	-1
## 14012	128.50983	0.705945	-1
## 14022	145.67712	0.828598	-1
## 14038	116.32126	0.303154	-1
## 14046	142.81665	0.797524	-1
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## 14057	127.89112	0.636035	-1
## 14059	130.77095	0.398247	-1
## 14064	150.60193	0.553608	-1
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## 14083	112.02708	0.537759	-1
## 14084	129.01578	0.885825	-1
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## 14090	145.35835	0.570411	-1
## 14094	142.74551	0.340378	-1
## 14097	138.93893	0.358430	-1
## 14100	125.26968	0.375407	-1
## 14101	134.66231	0.401999	-1
## 14108	127.61229	0.351887	-1
## 14132	77.79997	0.238828	1
## 14137	91.40928	0.098725	1
## 14142	109.56728	0.278060	1
## 14146	91.34242	0.284431	1
## 14161	116.80524	0.293305	-1
## 14172	94.45255	0.489828	-1
## 14173	119.52890	0.428188	-1
## 14182	126.23235	0.870766	-1

## 14185	146.65694	0.262990	-1
## 14191	127.17834	0.579784	-1
## 14196	122.20228	0.569938	-1
## 14202	116.84038	0.539284	-1
## 14205	123.43747	0.803606	-1
## 14206	100.14197	0.813737	-1
## 14210	95.94160	0.402580	-1
## 14224	124.38552	0.380482	-1
## 14225	108.15237	0.349991	-1
## 14228	101.31980	0.411000	-1
## 14229	122.93733	0.447656	-1
## 14231	111.87398	0.416409	-1
## 14236	116.41803	0.308030	-1
## 14248	137.30219	0.402947	-1
## 14257	117.36281	0.519014	-1
## 14258	122.98261	0.534896	-1
## 14260	101.02410	0.500101	-1
## 14263	135.70897	0.468295	-1
## 14264	129.93571	0.600840	-1
## 14266	108.11226	0.718444	-1
## 14272	131.56869	0.478589	-1
## 14278	114.08334	0.364783	-1
## 14279	121.77075	0.383972	-1
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## 14292	112.42208	0.198099	-1
## 14299	106.17093	0.553987	-1
## 14308	118.45638	0.727191	1
## 14316	139.60771	0.328222	1
## 14319	108.36375	0.256388	1
## 14320	104.34048	0.231364	1
## 14321	102.47909	0.401620	1
## 14331	100.65689	0.261901	1
## 14335	99.24115	0.580666	1
## 14337	84.51584	0.644458	1
## 14343	131.74414	0.511132	1
## 14346	114.88835	0.660406	1
## 14349	128.24963	0.369944	1
## 14358	108.58873	0.544992	1
## 14359	147.34157	0.549045	1
## 14369	90.16982	0.250970	1
## 14373	153.96593	0.383364	1
## 14381	101.22458	0.145320	1
## 14382	116.61981	0.105833	1
## 14386	112.51893	0.309105	1
## 14389	121.02283	0.316002	1
## 14399	98.94546	0.256806	-1
## 14400	98.71057	0.272436	-1
## 14403	152.80255	0.270596	-1
## 14404	143.57989	0.312251	-1
## 14409	134.69753	0.622731	-1
## 14412	141.17424	0.249333	-1
## 14414	150.81867	0.322951	-1
## 14420	129.62617	0.409036	-1

## 14425	142.77341	0.368847	-1
## 14426	144.14493	0.568815	-1
## 14436	145.01224	0.522309	-1
## 14437	105.35693	0.433322	-1
## 14438	134.21905	0.437445	-1
## 14441	128.15967	0.785811	-1
## 14450	131.85117	0.278710	-1
## 14454	137.46779	0.890156	-1
## 14455	128.97464	0.522040	-1
## 14459	118.13989	0.496419	-1
## 14468	130.85408	0.370183	-1
## 14470	105.93690	0.222718	-1
## 14472	149.55173	0.346358	-1
## 14476	133.70993	0.319417	-1
## 14486	156.21111	0.341716	-1
## 14487	132.13155	0.340346	-1
## 14489	130.37205	0.681722	-1
## 14490	140.60066	0.543682	-1
## 14503	120.57568	0.247749	-1
## 14504	138.91438	0.339820	-1
## 14510	149.71928	0.771161	-1
## 14516	143.58223	0.573812	-1
## 14524	128.52573	0.638601	-1
## 14528	125.63553	0.299841	-1
## 14530	129.56413	0.359978	-1
## 14534	124.11066	0.285067	-1
## 14535	125.94986	0.378971	-1
## 14545	100.47932	0.436800	1
## 14549	119.00424	0.317577	1
## 14550	111.89494	0.647657	1
## 14556	120.85428	0.699535	1
## 14558	135.82167	0.660638	1
## 14564	129.10684	0.317848	-1
## 14567	128.91573	0.632347	-1
## 14577	142.36937	0.685234	-1
## 14584	140.44814	0.804148	-1
## 14592	122.08793	0.589681	-1
## 14594	125.49826	0.209512	-1
## 14604	121.78007	0.265704	-1
## 14615	117.05653	0.610745	-1
## 14618	131.01952	0.270611	-1
## 14623	138.43221	0.409023	-1
## 14630	103.16449	0.374138	-1
## 14636	115.37536	0.669244	-1
## 14637	119.22492	0.537138	-1
## 14639	110.83208	0.297550	-1
## 14640	106.44715	0.342173	-1
## 14649	119.86089	0.325462	-1
## 14654	91.56048	0.342653	-1
## 14655	100.06219	0.279443	-1
## 14666	102.67748	0.456465	1
## 14673	98.63790	0.339011	1
## 14674	92.89108	0.298896	1
## 14680	130.96696	0.559584	1

## 14681	136.18213	0.848456	1
## 14694	114.71423	0.579447	1
## 14704	90.19953	0.802306	1
## 14707	108.48059	0.341123	1
## 14709	117.41380	0.460135	1
## 14710	83.09969	0.280192	1
## 14714	95.69930	0.493209	1
## 14717	125.62147	0.317513	1
## 14718	133.41687	0.407778	1
## 14719	149.12363	0.285533	1
## 14728	125.44339	0.814013	1
## 14729	118.92253	0.718161	1
## 14732	139.63318	0.622666	1
## 14733	111.21459	0.640411	1
## 14734	106.79826	0.424954	1
## 14736	96.55811	0.462594	1
## 14738	134.57040	0.443549	1
## 14742	85.52635	0.623258	1
## 14744	111.80014	0.837369	1
## 14748	128.96458	0.482174	1
## 14752	137.74570	0.836608	1
## 14762	96.72362	0.717224	1
## 14764	56.45784	0.394159	1
## 14775	110.93541	0.724079	1
## 14785	94.46506	0.522962	1
## 14786	111.39375	0.580886	1
## 14795	128.54585	0.576023	1
## 14808	86.42154	0.670605	1
## 14811	114.23901	0.723665	1
## 14813	96.12305	0.630221	1
## 14817	96.14610	0.687543	1
## 14821	120.05434	0.479035	1
## 14826	109.65361	0.409280	1
## 14834	86.81134	0.612625	1
## 14839	103.88144	0.382135	1
## 14855	102.84483	0.710031	1
## 14873	96.65332	0.727955	1
## 14876	104.18043	0.851089	1
## 14881	77.11002	0.748607	1
## 14884	92.78071	0.676772	1
## 14895	103.60072	0.423731	1
## 14896	82.54340	0.441137	1
## 14897	114.58009	0.575508	1
## 14902	112.22910	0.115094	1
## 14908	112.04551	0.150211	1
## 14913	150.17122	0.267847	1
## 14914	151.88245	0.142098	1
## 14915	142.55608	0.837839	1
## 14922	115.40788	0.582084	1
## 14930	118.97620	0.754772	1
## 14937	129.19156	0.685668	1
## 14940	115.33817	0.713763	1
## 14944	132.24730	0.420896	1
## 14948	145.38268	0.879328	1

## 14955	149.00552	0.660276	1
## 14963	101.68176	0.356126	1
## 14974	121.87346	0.106639	1
## 14996	116.43550	0.335506	1
## 14997	127.37088	0.419790	1
## 14998	116.30296	0.318467	1
## 15000	115.93097	0.332757	1
## 15002	110.16095	0.800049	1
## 15004	112.69867	0.568539	1
## 15006	105.61783	0.625822	1
## 15007	100.79319	0.393413	1
## 15010	149.82803	0.368346	1
## 15016	113.36717	0.662870	1
## 15021	126.04912	0.427776	1
## 15036	121.20372	0.797073	1
## 15054	127.16785	0.397838	1
## 15066	124.94999	0.528538	1
## 15068	122.35967	0.558655	1
## 15072	100.79823	0.616148	1
## 15081	122.47102	0.400113	1
## 15082	127.52325	0.726464	1
## 15084	104.29398	0.517172	1
## 15099	126.15648	0.299568	1
## 15101	137.88576	0.385766	1
## 15116	118.15793	0.842190	1
## 15119	106.96747	0.625267	1
## 15124	120.52034	0.736780	1
## 15127	86.71075	0.534030	1
## 15135	130.07459	0.392836	1
## 15149	130.10947	0.881578	1
## 15151	123.72493	0.597200	1
## 15152	127.05650	0.709334	1
## 15155	99.43394	0.607052	1
## 15161	105.46647	0.792259	1
## 15164	115.76742	0.862098	1
## 15166	136.05209	0.817128	1
## 15170	126.88879	0.789828	1
## 15172	119.39449	0.695555	1
## 15176	103.90366	0.790699	1
## 15179	77.97508	0.711512	1
## 15183	90.63924	0.420599	1
## 15187	138.74608	0.643264	1
## 15204	106.65913	0.603210	1
## 15208	88.48895	0.513771	1
## 15224	108.41332	0.459973	1
## 15226	129.34872	0.484773	1
## 15231	127.88131	0.685676	1
## 15240	99.69144	0.387107	1
## 15245	109.25549	0.771950	1
## 15248	87.99171	0.440407	1
## 15251	112.47578	0.721036	1
## 15256	113.74129	0.124634	1
## 15264	115.14107	0.727738	1
## 15267	108.01989	0.514000	1

## 15279	98.02685	0.511928	1
## 15286	126.46085	0.380964	1
## 15291	135.16795	0.570530	1
## 15296	143.81409	0.592586	1
## 15309	130.36639	0.824783	1
## 15312	119.02897	0.847388	1
## 15325	114.88093	0.672556	1
## 15331	118.44411	0.688594	1
## 15342	118.28415	0.578974	1
## 15347	115.91161	0.632088	1
## 15351	105.07333	0.758658	1
## 15355	104.54333	0.328718	1
## 15359	128.16977	0.654161	1
## 15365	95.14506	0.659683	1
## 15366	74.19003	0.308151	1
## 15372	79.42960	0.246694	1
## 15374	84.94710	0.494501	1
## 15375	83.09336	0.606103	1
## 15376	96.82086	0.691025	1
## 15378	85.93014	0.442574	1
## 15387	128.00105	0.446170	1
## 15390	108.18222	0.524019	1
## 15391	114.09393	0.464944	1
## 15392	123.84377	0.504830	1
## 15401	112.83776	0.661753	1
## 15402	100.05551	0.521983	1
## 15405	137.87849	0.790458	1
## 15408	169.01596	0.704665	1
## 15410	106.78095	0.770189	1
## 15411	81.41016	0.720001	1
## 15419	92.09201	0.827688	1
## 15421	91.51809	0.815422	1
## 15423	117.74120	0.550782	1
## 15425	115.18574	0.840532	1
## 15427	79.32221	0.615470	1
## 15432	96.22542	0.460933	1
## 15436	115.93644	0.652894	1
## 15444	87.78053	0.534747	1
## 15446	100.14210	0.729436	1
## 15448	101.09422	0.587904	1
## 15452	129.08148	0.702498	1
## 15459	129.49370	0.873856	1
## 15468	127.69275	0.814473	1
## 15469	103.74939	0.681035	1
## 15470	112.26289	0.622916	1
## 15476	120.41847	0.728429	1
## 15477	114.14166	0.653188	1
## 15481	93.21352	0.702170	1
## 15482	82.83897	0.616366	1
## 15483	88.48702	0.721151	1
## 15485	94.86327	0.431883	1
## 15486	99.35459	0.594427	1
## 15488	90.23620	0.113716	1
## 15493	118.74773	0.734788	1

## 15499	109.28529	0.265951	1
## 15517	110.60932	0.568585	1
## 15521	130.81638	0.338948	1
## 15524	126.27984	0.465223	1
## 15525	111.45779	0.363843	1
## 15539	129.18091	0.521067	1
## 15544	97.53508	0.790303	1
## 15546	84.02007	0.398451	1
## 15547	72.79371	0.610221	1
## 15552	89.46220	0.474349	1
## 15553	141.49513	0.832904	1
## 15563	120.52773	0.427531	1
## 15565	108.28522	0.506027	1
## 15571	103.40314	0.279553	1
## 15576	90.93659	0.211622	1
## 15580	85.18536	0.354961	1
## 15582	98.12577	0.295441	1
## 15589	118.95561	0.254037	1
## 15590	133.54069	0.292577	1
## 15594	117.34968	0.291724	1
## 15602	122.63648	0.398734	1
## 15611	110.33365	0.298819	1
## 15614	83.41065	0.305762	1
## 15618	119.81279	0.260582	1
## 15628	126.27274	0.686904	1
## 15639	124.86053	0.659792	1
## 15646	108.47589	0.619646	-1
## 15649	96.04387	0.532754	1
## 15656	120.56971	0.721463	1
## 15657	114.10531	0.860702	1
## 15664	111.65297	0.659603	1
## 15668	186.24377	0.783086	1
## 15670	138.03223	0.746070	1
## 15688	86.69407	0.543218	1
## 15697	120.61024	0.247387	-1
## 15700	127.19398	0.348438	-1
## 15705	126.07589	0.403065	-1
## 15716	122.90612	0.309677	-1
## 15730	112.88485	0.290225	-1
## 15738	109.99925	0.449668	-1
## 15742	133.96646	0.566760	-1
## 15743	121.24430	0.552814	-1
## 15746	141.62758	0.320162	-1
## 15747	124.83517	0.503211	-1
## 15753	113.56602	0.227803	-1
## 15761	102.59204	0.530984	1
## 15769	82.53801	0.365303	1
## 15781	109.09288	0.613002	1
## 15785	119.61543	0.219281	1
## 15793	138.78619	0.611880	1
## 15794	99.76328	0.518041	1
## 15796	112.45663	0.778890	1
## 15797	99.01661	0.542116	1
## 15798	105.54042	0.612480	1

## 15812	150.79540	0.643727	1
## 15820	99.48502	0.703023	1
## 15832	108.04083	0.247539	-1
## 15836	124.71426	0.357263	-1
## 15837	101.69666	0.284175	-1
## 15843	116.80253	0.639461	-1
## 15846	130.95888	0.309655	-1
## 15850	94.54541	0.632853	-1
## 15860	100.61332	0.291682	-1
## 15864	94.71356	0.261538	-1
## 15865	110.54504	0.232136	-1
## 15874	84.90427	0.319794	-1
## 15881	131.37094	0.307188	-1
## 15882	129.91937	0.393370	-1
## 15884	128.45485	0.430805	-1
## 15885	139.82095	0.270254	-1
## 15887	118.13461	0.352964	-1
## 15890	129.80579	0.328493	-1
## 15893	115.49398	0.230166	-1
## 15896	130.07048	0.832102	-1
## 15897	109.71533	0.247387	-1
## 15910	132.87314	0.775666	-1
## 15918	127.21514	0.429569	-1
## 15920	124.91024	0.616264	-1
## 15924	119.28601	0.389726	-1
## 15926	121.41747	0.351145	-1
## 15932	110.27463	0.332973	-1
## 15944	119.28155	0.436022	-1
## 15947	79.88776	0.512150	1
## 15949	87.27091	0.492811	1
## 15950	94.51958	0.712677	1
## 15953	99.39751	0.472909	1
## 15954	132.93497	0.816549	1
## 15955	116.60165	0.642866	1
## 15956	101.54605	0.533764	1
## 15957	98.69651	0.423067	1
## 15960	116.86083	0.385134	1
## 15974	118.14252	0.799020	1
## 15978	97.71893	0.413561	1
## 15989	119.18502	0.525551	1
## 15997	119.02713	0.325375	1
## 15999	134.58104	0.627742	1
## 16004	133.29666	0.492335	1
## 16015	129.00659	0.744767	1
## 16023	88.22105	0.407233	1
## 16025	129.72321	0.803928	1
## 16029	115.46522	0.408329	1
## 16031	112.70241	0.556406	1
## 16037	113.95058	0.687899	1
## 16038	141.04652	0.874082	1
## 16045	102.01169	0.661477	1
## 16056	112.62994	0.311951	1
## 16061	100.25401	0.377494	1
## 16066	71.68219	0.329394	1

## 16067	85.32549	0.386229	1
## 16069	77.49522	0.298229	1
## 16077	122.04881	0.822618	1
## 16081	128.52618	0.712699	1
## 16082	123.20156	0.800021	1
## 16087	120.16769	0.724991	1
## 16089	98.89851	0.916270	1
## 16091	84.99062	0.104018	1
## 16093	109.25085	0.435534	1
## 16095	96.56627	0.690015	1
## 16100	101.71469	0.509632	1
## 16104	146.41852	0.821864	1
## 16112	137.00853	0.279856	1
## 16114	114.01188	0.273167	1
## 16120	89.45190	0.437787	1
## 16124	77.86482	0.436278	1
## 16131	135.29721	0.469126	1
## 16149	148.66861	0.710506	1
## 16150	113.20261	0.548245	1
## 16153	108.26547	0.398438	1
## 16155	102.55911	0.621498	1
## 16162	119.32407	0.452924	1
## 16169	99.85562	0.542160	1
## 16170	81.67123	0.445359	1
## 16171	88.65514	0.564803	1
## 16175	130.65646	0.621367	1
## 16180	121.57694	0.909528	1
## 16182	106.69096	0.289935	1
## 16185	118.82031	0.272364	1
## 16195	129.01608	0.596744	1
## 16213	136.56085	0.868889	1
## 16216	95.95982	0.472854	1
## 16218	108.34074	0.325546	1
## 16222	105.35889	0.629524	1
## 16226	83.89928	0.473629	1
## 16236	79.93484	0.705703	1
## 16237	101.69632	0.803739	1
## 16240	150.19861	0.544677	1
## 16242	116.71014	0.427678	1
## 16253	82.25431	0.809328	1
## 16255	87.09654	0.657353	1
## 16268	116.59321	0.347024	1
## 16272	113.52198	0.371387	1
## 16273	108.52462	0.809777	1
## 16276	93.50445	0.641474	1
## 16284	103.48354	0.571455	1
## 16286	82.21549	0.381833	1
## 16293	128.02892	0.687118	1
## 16299	123.93082	0.829398	1
## 16305	107.99054	0.413327	1
## 16306	114.06807	0.519630	1
## 16318	117.33898	0.797599	1
## 16320	94.26513	0.798196	1
## 16324	100.01150	0.473766	1

## 16334	129.04117	0.497853	1
## 16337	123.09887	0.733897	1
## 16340	145.03204	0.809469	1
## 16341	142.45306	0.667859	1
## 16342	133.98361	0.711949	1
## 16344	113.11950	0.602748	1
## 16349	136.98361	0.899257	1
## 16351	123.56938	0.819454	1
## 16354	128.04689	0.823471	1
## 16355	132.12169	0.839832	1
## 16360	97.63618	0.449957	1
## 16364	103.58312	0.458778	1
## 16367	131.73084	0.795853	1
## 16376	138.90105	0.400160	1
## 16377	113.13714	0.417142	1
## 16380	155.45857	0.501191	1
## 16387	111.04923	0.622957	1
## 16388	123.53745	0.766662	1
## 16392	129.50246	0.820180	1
## 16401	84.02226	0.461876	1
## 16404	102.13004	0.780508	1
## 16415	124.12882	0.545973	1
## 16417	107.17927	0.335082	1
## 16422	126.03868	0.642117	1
## 16425	109.93746	0.513787	1
## 16428	93.30992	0.713182	1
## 16429	107.98842	0.600395	1
## 16432	107.63427	0.732251	1
## 16436	103.74206	0.827164	1
## 16445	114.05997	0.896887	1
## 16451	121.00295	0.571341	1
## 16457	102.32707	0.836096	1
## 16462	104.90672	0.343045	1
## 16463	101.18463	0.403476	1
## 16465	86.98338	0.422448	1
## 16466	86.14069	0.426980	1
## 16468	96.93506	0.705584	1
## 16473	128.87137	0.311583	1
## 16474	118.14173	0.428399	1
## 16475	109.09523	0.324100	1
## 16476	92.54652	0.911530	1
## 16477	110.40558	0.637496	1
## 16479	110.32761	0.480486	1
## 16480	107.31050	0.467027	1
## 16483	85.37266	0.312962	1
## 16491	93.87019	0.570544	1
## 16495	93.70612	0.593448	1
## 16498	124.81496	0.894058	1
## 16500	102.66438	0.382788	1
## 16501	120.88531	0.396854	1
## 16503	111.13959	0.558210	1
## 16509	121.94419	0.537104	1
## 16515	147.00224	0.803678	1
## 16528	115.05897	0.498686	1

## 16538	136.60851	0.562261	1
## 16542	168.57460	0.845188	1
## 16549	94.85181	0.801539	1
## 16551	94.78452	0.557850	1
## 16554	106.09602	0.770061	1
## 16558	105.61514	0.493380	1
## 16561	114.98531	0.329789	1
## 16571	101.17831	0.492379	1
## 16574	125.07426	0.819687	1
## 16581	125.49186	0.531563	1
## 16595	86.68765	0.426396	1
## 16599	99.32995	0.516704	1
## 16603	108.49334	0.670504	1
## 16609	112.88522	0.519195	1
## 16610	101.84064	0.449350	1
## 16618	125.52031	0.397723	1
## 16621	118.62517	0.380510	1
## 16631	89.16099	0.791464	1
## 16632	95.10815	0.733335	1
## 16647	121.78222	0.832854	1
## 16650	84.30489	0.752501	1
## 16653	71.00972	0.308566	1
## 16656	76.07234	0.443525	1
## 16671	109.16039	0.834689	1
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## 16680	99.69649	0.372402	1
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## 16684	111.72500	0.358060	1
## 16685	112.63852	0.406930	1
## 16687	106.69173	0.745400	1
## 16693	112.53109	0.513380	1
## 16702	97.52973	0.274460	1
## 16705	108.54750	0.632290	1
## 16707	96.18842	0.430237	1
## 16711	89.91617	0.360289	1
## 16713	110.94186	0.547529	1
## 16724	85.50160	0.657763	1
## 16725	100.47110	0.723195	1
## 16728	94.87627	0.802932	1
## 16733	105.40829	0.408257	1
## 16736	140.94507	0.657386	1
## 16745	123.65702	0.387893	1
## 16751	87.07681	0.303907	1
## 16763	101.60008	0.374868	1
## 16765	102.46608	0.743845	1
## 16768	115.98325	0.445035	1
## 16769	97.33183	0.316160	1
## 16770	99.48799	0.445757	1
## 16779	105.32282	0.675606	1
## 16790	94.22502	0.500796	1
## 16800	127.04398	0.434521	1
## 16804	140.03984	0.466014	1
## 16814	104.57084	0.271769	1

## 16822	126.28894	0.534470	1
## 16831	92.66987	0.287754	1
## 16833	112.77461	0.278913	1
## 16835	111.27428	0.373708	1
## 16836	117.35917	0.343684	1
## 16838	101.65943	0.753528	1
## 16842	98.56669	0.745659	1
## 16844	112.05357	0.671951	1
## 16849	110.68595	0.566093	1
## 16855	96.20871	0.683314	1
## 16864	109.06645	0.333887	1
## 16865	94.20150	0.517484	1
## 16877	119.79255	0.415580	1
## 16881	146.25778	0.149610	1
## 16884	109.02268	0.342682	1
## 16887	78.25763	0.279267	1
## 16892	72.87766	0.649667	1
## 16893	91.56381	0.679145	1
## 16894	123.68172	0.911262	1
## 16895	122.00629	0.434675	1
## 16899	113.69952	0.321178	1
## 16900	106.18081	0.469450	1
## 16907	87.56499	0.819857	1
## 16909	96.82837	0.670108	1
## 16914	114.51006	0.591040	1
## 16917	132.95332	0.660264	1
## 16928	93.14372	0.724101	1
## 16940	119.22408	0.835640	1
## 16941	101.37358	0.239830	1
## 16947	98.18973	0.483845	1
## 16948	103.99813	0.610700	1
## 16952	74.41222	0.332179	1
## 16956	104.72825	0.428784	1
## 16963	111.86739	0.414225	1
## 16964	89.53099	0.761243	1
## 16968	103.80326	0.449591	1
## 16980	103.27793	0.429846	1
## 16984	104.47780	0.813721	1
## 16995	79.81894	0.653682	1
## 16999	160.63858	0.473955	1
## 17004	135.52623	0.785155	1
## 17008	118.61049	0.580463	1
## 17027	96.26404	0.410858	1
## 17033	90.46252	0.730913	1
## 17035	102.62574	0.782395	1
## 17040	94.96654	0.758750	1
## 17045	108.84564	0.488457	1
## 17047	103.04974	0.477812	1
## 17049	115.87148	0.322441	1
## 17053	118.51735	0.542853	-1
## 17054	120.35245	0.523202	-1
## 17061	120.49989	0.484352	-1
## 17069	109.25915	0.447159	-1
## 17079	140.66466	0.634308	-1

## 17080	137.23839	0.308465	-1
## 17081	122.91750	0.465284	-1
## 17082	124.14360	0.777172	-1
## 17083	118.92812	0.225288	-1
## 17084	117.07400	0.410631	-1
## 17089	141.62308	0.346001	-1
## 17093	147.80356	0.622709	-1
## 17096	126.61906	0.580460	-1
## 17102	148.15828	0.439627	-1
## 17108	141.04610	0.557099	-1
## 17111	133.33734	0.554401	-1
## 17119	120.38573	0.348393	-1
## 17129	122.78125	0.593087	-1
## 17131	153.36221	0.668751	-1
## 17134	128.23059	0.722007	-1
## 17137	138.51479	0.533883	-1
## 17144	140.61966	0.602181	-1
## 17152	119.12723	0.782655	-1
## 17156	113.15533	0.524490	-1
## 17157	130.39491	0.713095	-1
## 17158	127.55325	0.625819	-1
## 17162	106.55857	0.236297	-1
## 17164	108.32059	0.312486	-1
## 17166	128.95145	0.309644	-1
## 17172	113.19730	0.543471	-1
## 17175	121.33011	0.395979	-1
## 17177	126.22712	0.588999	-1
## 17184	89.25485	0.450040	1
## 17185	91.49708	0.531881	1
## 17193	99.73509	0.769142	1
## 17196	103.15683	0.515980	1
## 17201	120.50796	0.544616	1
## 17204	122.69063	0.680941	-1
## 17209	141.98012	0.328397	-1
## 17210	159.16353	0.280175	-1
## 17211	153.62444	0.687839	-1
## 17226	138.78661	0.692530	-1
## 17236	131.82481	0.643106	-1
## 17237	124.84717	0.393792	-1
## 17245	109.24526	0.315462	-1
## 17250	131.73503	0.637926	-1
## 17255	120.33572	0.422224	-1
## 17257	141.70688	0.632114	-1
## 17259	123.44805	0.422137	-1
## 17270	137.17638	0.390253	-1
## 17281	114.01424	0.688701	-1
## 17287	97.27302	0.333716	-1
## 17298	126.04446	0.789946	-1
## 17304	85.42083	0.242779	-1
## 17311	113.51498	0.661240	-1
## 17314	116.53201	0.839318	-1
## 17336	145.70548	0.359184	1
## 17341	129.85919	0.630971	1
## 17350	119.77501	0.544666	1

## 17354	99.15098	0.482949	1
## 17355	81.02790	0.469689	1
## 17356	98.10508	0.509762	1
## 17358	83.88690	0.458131	1
## 17359	111.94859	0.739568	1
## 17362	130.86972	0.608420	1
## 17365	106.49461	0.425441	1
## 17369	64.19553	0.877155	1
## 17373	116.87131	0.383971	1
## 17374	109.26628	0.356386	1
## 17375	100.40837	0.511597	1
## 17382	104.49422	0.633989	1
## 17388	111.99635	0.328204	1
## 17398	99.28880	0.324889	1
## 17408	144.34863	0.534545	-1
## 17411	128.82822	0.217960	-1
## 17416	155.96013	0.268116	-1
## 17418	145.91640	0.236313	-1
## 17426	130.27800	0.313933	-1
## 17433	131.72082	0.835647	-1
## 17441	124.11759	0.222123	-1
## 17456	99.30918	0.654799	-1
## 17460	129.26202	0.734199	-1
## 17467	129.28049	0.460075	1
## 17479	127.27460	0.429191	1
## 17484	130.59865	0.314164	1
## 17489	116.07697	0.163450	1
## 17491	134.56934	0.180933	1
## 17494	128.17935	0.732440	1
## 17497	128.02284	0.645904	1
## 17502	137.86578	0.741767	1
## 17507	148.26723	0.789892	1
## 17509	89.29280	0.542649	1
## 17511	89.06116	0.698292	1
## 17516	78.01549	0.615855	1
## 17524	90.15986	0.868318	1
## 17531	115.97433	0.279711	-1
## 17537	137.77188	0.310751	-1
## 17542	125.04468	0.212623	-1
## 17545	135.30890	0.256748	-1
## 17548	129.99719	0.335783	-1
## 17551	115.19710	0.324153	-1
## 17553	126.72372	0.370588	-1
## 17561	132.36972	0.558782	-1
## 17563	127.46394	0.531549	-1
## 17564	122.98221	0.291073	-1
## 17565	129.61554	0.265591	-1
## 17572	119.99508	0.377988	-1
## 17575	137.49898	0.277763	-1
## 17581	131.87499	0.490812	-1
## 17601	136.55707	0.429269	-1
## 17603	138.60483	0.599929	-1
## 17614	133.31931	0.857808	-1
## 17615	125.00509	0.258522	-1

## 17617	130.17062	0.886095	-1
## 17624	108.15884	0.433534	1
## 17627	93.61566	0.323946	1
## 17632	126.85864	0.768924	1
## 17634	118.94303	0.422554	1
## 17635	132.16653	0.420551	1
## 17643	125.43134	0.865191	1
## 17646	134.53493	0.793926	1
## 17650	107.10385	0.460678	1
## 17663	93.67006	0.423175	1
## 17664	97.31076	0.428835	1
## 17669	102.59255	0.828572	1
## 17675	126.83073	0.550389	1
## 17683	103.14462	0.619614	1
## 17686	140.78297	0.830739	1
## 17694	109.91434	0.575348	1
## 17699	117.18368	0.382788	1
## 17700	122.98125	0.400600	1
## 17707	114.43298	0.794187	1
## 17711	102.76144	0.367339	1
## 17712	84.68877	0.610769	1
## 17721	98.42829	0.329765	1
## 17723	102.29015	0.415102	1
## 17737	140.02829	0.406176	-1
## 17742	138.47243	0.631924	-1
## 17743	141.94405	0.516034	-1
## 17746	140.59190	0.608336	-1
## 17754	126.03986	0.436204	-1
## 17755	135.87639	0.714102	-1
## 17756	147.31251	0.608739	-1
## 17765	137.36705	0.395757	-1
## 17768	105.97239	0.312669	-1
## 17776	115.56190	0.395880	1
## 17780	143.00900	0.778817	1
## 17781	127.10814	0.789455	1
## 17792	125.17278	0.383862	1
## 17794	105.93813	0.362993	1
## 17795	126.26589	0.353992	1
## 17811	122.52370	0.432617	1
## 17812	113.29767	0.330792	1
## 17813	106.31059	0.695022	1
## 17817	72.76097	0.445384	1
## 17825	136.58418	0.689530	1
## 17827	89.36189	0.363551	1
## 17832	130.67557	0.470913	1
## 17839	106.73760	0.522690	1
## 17843	167.71561	0.661778	1
## 17846	151.31805	0.607896	1
## 17851	119.54150	0.268169	1
## 17852	134.05321	0.321997	1
## 17856	101.60826	0.500461	1
## 17857	95.50086	0.609489	1
## 17860	105.99737	0.726654	1
## 17863	110.50262	0.785898	1

## 17867	119.54741	0.706921	1
## 17873	135.98585	0.396703	1
## 17876	129.78557	0.446010	1
## 17880	147.12318	0.577806	1
## 17889	102.84498	0.578847	-1
## 17893	112.84360	0.814346	-1
## 17897	123.50085	0.544516	-1
## 17904	148.73085	0.559253	-1
## 17913	116.50532	0.279155	-1
## 17916	133.85056	0.381962	-1
## 17918	127.07862	0.401842	-1
## 17919	140.37553	0.587278	-1
## 17920	148.92186	0.674899	-1
## 17921	149.90285	0.631426	-1
## 17924	145.90051	0.388129	-1
## 17944	147.36157	0.684228	-1
## 17947	144.17244	0.643282	-1
## 17976	110.74804	0.657653	1
## 17979	97.03073	0.617364	1
## 17981	97.22236	0.459219	1
## 17990	112.44214	0.299034	1
## 17996	154.24187	0.522984	1
## 18003	59.29729	0.689715	1
## 18013	79.66016	0.478026	1
## 18014	108.96006	0.467636	1
## 18021	114.52949	0.496381	1
## 18032	96.60668	0.472253	1
## 18033	92.67300	0.462673	1
## 18040	129.57535	0.752777	1
## 18046	104.49552	0.690165	1
## 18051	83.02695	0.227088	1
## 18056	123.89545	0.514574	1
## 18057	136.87497	0.258936	1
## 18061	84.29452	0.253814	1
## 18065	140.93072	0.508102	1
## 18070	102.35201	0.572354	-1
## 18077	110.23595	0.788823	-1
## 18078	108.57407	0.800255	-1
## 18079	135.13356	0.830883	-1
## 18080	118.76231	0.245270	-1
## 18086	125.89074	0.870115	-1
## 18093	160.25450	0.676780	-1
## 18095	132.15948	0.591112	-1
## 18103	154.59352	0.362713	-1
## 18107	156.47897	0.646557	-1
## 18112	134.57919	0.685131	-1
## 18114	150.34546	0.744373	-1
## 18118	147.71336	0.632734	-1
## 18120	136.98247	0.654543	-1
## 18126	110.88249	0.255144	-1
## 18127	89.65170	0.312157	-1
## 18129	84.69213	0.425854	-1
## 18133	88.91809	0.341274	1
## 18144	101.41617	0.600937	1

## 18148	103.60856	0.648659	1
## 18152	90.03702	0.700705	1
## 18154	98.39463	0.478199	1
## 18156	129.51538	0.554898	1
## 18158	105.17053	0.575984	1
## 18159	124.76980	0.592228	1
## 18166	103.11482	0.429789	1
## 18172	91.88020	0.786794	1
## 18173	145.20525	0.282819	1
## 18174	131.17789	0.278702	1
## 18177	123.50806	0.556022	1
## 18184	113.49931	0.613402	1
## 18185	71.51516	0.510484	1
## 18189	137.08821	0.679367	1
## 18191	120.29822	0.550298	1
## 18198	125.18844	0.820653	1
## 18199	83.94779	0.765085	1
## 18208	124.29584	0.341054	1
## 18210	115.99782	0.322672	1
## 18213	116.49270	0.432503	1
## 18214	119.14010	0.329101	1
## 18216	87.53901	0.740512	1
## 18225	86.13590	0.625335	1
## 18228	73.43716	0.262068	1
## 18249	135.09152	0.202456	1
## 18251	88.24435	0.390516	1
## 18254	112.65529	0.573588	1
## 18262	147.95406	0.618233	-1
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## 18268	139.89883	0.605247	-1
## 18274	134.89423	0.479931	-1
## 18276	139.83720	0.645409	-1
## 18282	154.63092	0.573410	-1
## 18284	139.92375	0.525451	-1
## 18285	146.18770	0.672400	-1
## 18286	140.69873	0.786449	-1
## 18290	122.29611	0.527188	-1
## 18294	146.27650	0.663244	-1
## 18295	142.83240	0.655151	-1
## 18296	138.65039	0.664387	-1
## 18297	133.43218	0.274595	-1
## 18303	146.05022	0.633552	-1
## 18305	145.70403	0.676696	-1
## 18310	133.96745	0.376737	-1
## 18315	94.10889	0.404137	1
## 18318	89.65033	0.434349	1
## 18320	161.46030	0.695370	1
## 18325	120.18682	0.750162	1
## 18356	123.66004	0.380256	1
## 18357	119.00389	0.371322	1
## 18358	118.51354	0.345925	1
## 18361	143.30559	0.414798	1
## 18368	113.65168	0.439472	1
## 18371	89.44173	0.433187	1

## 18372	99.74616	0.372787	1
## 18378	120.92340	0.541891	1
## 18380	109.28964	0.400014	1
## 18385	130.25523	0.601867	1
## 18386	130.42516	0.774131	1
## 18388	93.94103	0.841319	1
## 18392	99.28947	0.623949	1
## 18394	87.23937	0.757611	1
## 18398	118.54170	0.743581	1
## 18403	103.66618	0.504558	1
## 18404	113.79685	0.602668	1
## 18405	107.12283	0.380650	1
## 18407	101.23981	0.414815	1
## 18414	120.46444	0.721968	1
## 18415	108.14668	0.833871	1
## 18423	133.58867	0.351006	-1
## 18427	122.10849	0.182864	-1
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## 18453	142.92750	0.594729	-1
## 18454	121.57297	0.226099	-1
## 18455	115.44823	0.267598	-1
## 18459	118.28980	0.356273	-1
## 18460	144.44016	0.708578	-1
## 18466	146.31856	0.744999	-1
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## 18474	143.93231	0.712711	-1
## 18477	149.55968	0.677974	-1
## 18478	147.31068	0.732371	-1
## 18479	123.54353	0.594668	-1
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## 18488	126.04973	0.516558	-1
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## 18504	133.85547	0.864601	-1
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## 18511	141.59878	0.536081	-1
## 18512	119.05561	0.467576	-1
## 18517	144.39786	0.595767	-1
## 18519	148.21310	0.681731	-1
## 18524	142.60925	0.547675	-1
## 18527	138.57796	0.236302	-1
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## 18536	148.00024	0.703514	-1
## 18555	136.90959	0.581390	-1
## 18560	153.41171	0.579140	-1
## 18564	129.53442	0.247288	-1
## 18566	151.95871	0.714581	-1
## 18567	151.98880	0.724299	-1
## 18576	137.38156	0.763276	-1
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## 18618	148.75488	0.757088	-1
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## 18649	82.92988	0.527119	1
## 18659	94.05057	0.630372	1
## 18660	100.75785	0.741407	1
## 18666	112.82600	0.284837	1
## 18667	131.63080	0.225056	1
## 18679	129.42993	0.483418	1
## 18689	117.04267	0.758680	1
## 18692	104.46061	0.577278	1
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## 18696	131.31805	0.468329	1
## 18699	138.43323	0.511891	1
## 18700	128.86029	0.675929	1
## 18702	134.30089	0.664953	1
## 18718	127.73211	0.643427	1
## 18724	147.81541	0.254903	1
## 18729	125.39184	0.384665	1
## 18737	107.56194	0.148315	1
## 18744	119.89995	0.205582	1
## 18752	139.14479	0.622215	-1
## 18759	120.81593	0.689987	-1
## 18761	111.28032	0.230506	-1
## 18763	145.32048	0.373203	-1
## 18768	137.29987	0.175550	-1
## 18772	121.07370	0.274491	-1
## 18773	124.71902	0.759466	-1
## 18777	117.80093	0.246363	-1
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## 18784	131.12187	0.650535	-1
## 18785	136.78854	0.728318	-1
## 18787	142.84874	0.469290	-1
## 18789	127.23493	0.520817	-1
## 18790	141.80093	0.703087	-1
## 18794	149.63364	0.357402	-1
## 18795	139.80510	0.434017	-1
## 18799	149.81253	0.473104	-1
## 18804	100.53442	0.440584	-1
## 18805	150.76114	0.679481	-1
## 18807	149.49710	0.567712	-1
## 18809	139.22511	0.687024	-1
## 18813	148.31723	0.298806	-1
## 18825	145.94756	0.682039	-1

## 18833	149.23881	0.660070	-1
## 18835	128.14323	0.387328	-1
## 18836	157.53859	0.522367	-1
## 18839	144.15979	0.577793	-1
## 18848	138.77556	0.618826	-1
## 18849	141.18506	0.686009	-1
## 18850	141.42462	0.538103	-1
## 18875	126.68817	0.758605	1
## 18881	107.05312	0.325574	1
## 18883	134.86381	0.245593	1
## 18898	102.16037	0.345279	1
## 18913	125.08714	0.736140	1
## 18919	142.40431	0.696986	1
## 18922	136.90231	0.561951	1
## 18926	132.64261	0.438360	1
## 18929	146.61482	0.785711	1
## 18936	145.19122	0.379457	1
## 18945	97.57999	0.389639	1
## 18948	127.01410	0.290039	1
## 18955	123.10815	0.324154	1
## 18962	98.53881	0.466445	1
## 18964	125.09003	0.268603	1
## 18965	165.02655	0.417643	1
## 18969	126.59178	0.597007	-1
## 18970	136.64359	0.686819	-1
## 18974	130.53041	0.788642	-1
## 18978	137.50352	0.646048	-1
## 18981	132.41881	0.342258	-1
## 18987	113.15971	0.462804	-1
## 18992	103.37246	0.493813	1
## 18994	124.39389	0.480543	1
## 18998	124.06574	0.563297	1
## 18999	123.48888	0.402184	1
## 19000	119.39809	0.608095	1
## 19003	122.53319	0.321359	1
## 19010	137.30392	0.205104	1
## 19016	123.73051	0.525356	1
## 19023	109.05791	0.168475	1
## 19036	131.10954	0.517182	1
## 19046	138.25221	0.660674	1
## 19047	131.74087	0.821459	1
## 19054	143.92479	0.517618	1
## 19070	104.05881	0.289534	1
## 19076	119.58861	0.110474	1
## 19080	104.14893	0.310864	1
## 19086	112.15880	0.418648	1
## 19092	157.98621	0.761228	1
## 19093	137.74248	0.450657	1
## 19099	120.77122	0.137862	1
## 19103	115.77271	0.744406	1
## 19104	112.39314	0.579915	1
## 19108	119.79936	0.701060	1
## 19113	98.05543	0.134929	1
## 19122	115.88404	0.478185	1

## 19124	127.85335	0.110162	1
## 19132	114.38268	0.760461	1
## 19134	109.67504	0.579247	1
## 19135	107.59935	0.572394	1
## 19138	96.81235	0.752614	1
## 19153	128.56183	0.435452	1
## 19154	127.19678	0.789662	1
## 19160	133.03293	0.704261	1
## 19162	149.85632	0.901240	1
## 19163	127.40447	0.383924	1
## 19165	110.08369	0.217048	1
## 19167	126.53056	0.260504	1
## 19174	136.79439	0.337409	1
## 19187	122.68289	0.212440	1
## 19194	122.53861	0.368043	1
## 19199	139.16275	0.715214	1
## 19209	122.73068	0.463298	1
## 19218	110.61160	0.360969	1
## 19220	141.91905	0.755057	1
## 19222	132.55235	0.831940	1
## 19229	128.15704	0.514525	1
## 19231	111.26625	0.667759	1
## 19232	141.44713	0.896956	1
## 19243	106.05820	0.407722	-1
## 19245	110.75096	0.361951	-1
## 19251	129.60722	0.512389	-1
## 19252	133.55859	0.223594	-1
## 19257	136.24095	0.486013	-1
## 19262	117.00097	0.597852	-1
## 19264	124.72971	0.578546	-1
## 19268	138.66565	0.681130	-1
## 19272	142.13237	0.509817	-1
## 19288	106.90897	0.593693	-1
## 19291	140.55023	0.550181	-1
## 19292	125.74043	0.634372	-1
## 19301	120.30177	0.233194	-1
## 19306	121.01354	0.842957	-1
## 19310	133.26288	0.333322	-1
## 19313	139.51117	0.254940	-1
## 19314	135.06148	0.269495	-1
## 19316	128.13023	0.403094	-1
## 19317	124.31168	0.200909	-1
## 19318	104.68022	0.339376	-1
## 19322	81.36483	0.212454	-1
## 19335	127.48047	0.257978	-1
## 19337	124.91280	0.209528	-1
## 19351	137.40590	0.448044	-1
## 19352	135.23129	0.425505	-1
## 19353	136.83318	0.381280	-1
## 19359	137.85565	0.687047	-1
## 19370	144.55119	0.398550	-1
## 19371	147.59766	0.315945	-1
## 19385	103.41987	0.441929	-1
## 19388	115.83543	0.237017	-1

## 19389	92.75543	0.831309	-1
## 19398	127.09731	0.398754	-1
## 19412	118.89033	0.239862	1
## 19413	117.93675	0.401487	1
## 19422	129.50749	0.281707	1
## 19425	120.61157	0.750616	1
## 19426	108.41705	0.516575	1
## 19430	108.81184	0.622219	1
## 19431	113.58669	0.758431	1
## 19433	113.78063	0.737567	1
## 19447	131.05638	0.774170	1
## 19448	149.51991	0.680693	1
## 19452	124.27393	0.515594	1
## 19456	132.14432	0.385382	1
## 19464	126.58238	0.222223	1
## 19471	119.07684	0.271481	1
## 19476	157.20438	0.322830	1
## 19492	125.89543	0.379042	1
## 19493	102.63812	0.334886	1
## 19501	126.90379	0.637937	-1
## 19503	129.00145	0.539841	-1
## 19515	107.67241	0.320521	-1
## 19522	153.48262	0.202437	-1
## 19523	144.05455	0.217590	-1
## 19529	147.85832	0.641696	-1
## 19545	106.67227	0.301439	1
## 19546	115.34706	0.304714	1
## 19549	87.10255	0.320505	1
## 19550	82.38775	0.292359	1
## 19554	96.52313	0.217217	1
## 19555	86.85274	0.602112	-1
## 19568	137.43337	0.556600	-1
## 19575	139.08331	0.330727	-1
## 19586	113.29707	0.231559	-1
## 19597	82.37708	0.173694	-1
## 19601	115.84874	0.144474	-1
## 19605	119.96114	0.099838	-1
## 19609	107.54096	0.218055	-1
## 19613	104.62439	0.210647	-1
## 19614	108.59141	0.165067	-1
## 19619	123.63948	0.235089	-1
## 19631	113.53758	0.170301	-1
## 19635	92.83646	0.219842	-1
## 19640	128.26996	0.207272	-1
## 19642	126.53292	0.242876	-1
## 19662	149.67828	0.548896	-1
## 19675	107.24474	0.238093	-1
## 19679	124.13631	0.215035	-1
## 19680	113.00982	0.191333	-1
## 19683	121.97506	0.834374	-1
## 19684	122.71081	0.873166	-1
## 19686	132.06061	0.844090	-1
## 19687	135.57594	0.333977	-1
## 19691	95.58183	0.554758	-1

## 19699	136.86377	0.473057	-1
## 19700	132.42886	0.260132	-1
## 19702	130.49857	0.346823	-1
## 19704	146.21081	0.379101	-1
## 19715	110.93028	0.266595	-1
## 19726	109.01070	0.432321	-1
## 19738	103.84714	0.207514	-1
## 19745	128.08907	0.379746	-1
## 19758	119.03575	0.720346	1
## 19759	120.11636	0.669114	1
## 19770	117.44834	0.257801	1
## 19773	97.59336	0.481150	1
## 19774	124.39738	0.130965	1
## 19777	102.78690	0.238024	1
## 19782	110.78580	0.365815	1
## 19784	94.37904	0.531337	1
## 19785	104.48274	0.545553	1
## 19790	129.43756	0.469209	1
## 19803	130.33046	0.825378	1
## 19805	131.95381	0.791780	1
## 19807	129.76364	0.784064	1
## 19813	139.53819	0.906078	1
## 19817	131.09459	0.217090	1
## 19818	123.07092	0.259270	1
## 19821	119.25540	0.252753	1
## 19834	125.19975	0.328915	1
## 19842	132.26105	0.696204	1
## 19846	121.87447	0.608038	-1
## 19851	136.56517	0.650260	-1
## 19856	125.16393	0.576962	-1
## 19858	140.06157	0.262994	-1
## 19862	129.58170	0.254871	-1
## 19866	149.30925	0.257387	-1
## 19869	118.78441	0.330186	-1
## 19874	140.81099	0.318199	-1
## 19875	143.72530	0.257103	-1
## 19878	153.46896	0.295364	-1
## 19880	156.32715	0.314757	-1
## 19883	125.02994	0.606550	-1
## 19890	99.96991	0.286311	1
## 19893	129.42230	0.303050	1
## 19903	110.01555	0.469111	1
## 19906	122.79971	0.297214	1
## 19911	120.50973	0.258083	1
## 19912	99.76031	0.386762	1
## 19913	116.14558	0.705485	1
## 19920	89.40867	0.465088	1
## 19927	131.99554	0.695593	1
## 19931	138.58452	0.754167	1
## 19932	126.31335	0.669357	1
## 19935	127.40678	0.730445	1
## 19940	127.37506	0.499494	1
## 19945	136.14029	0.360786	1
## 19953	87.25888	0.387177	1

## 19957	153.81337	0.328028	1
## 19958	146.79373	0.151426	1
## 19979	135.05399	0.800673	1
## 19982	136.59938	0.799312	1
## 19985	143.62990	0.683156	1
## 19987	130.98718	0.630140	-1
## 19988	154.25966	0.427581	-1
## 19996	148.29330	0.684310	-1
## 19997	123.35556	0.595127	-1
## 20005	100.84166	0.342485	-1
## 20006	135.16049	0.378293	-1
## 20009	133.03597	0.324589	-1
## 20011	139.76474	0.506289	-1
## 20012	127.33572	0.341877	-1
## 20015	134.87283	0.425222	-1
## 20023	128.06584	0.656047	-1
## 20028	151.63663	0.378150	-1
## 20029	141.99440	0.698508	-1
## 20034	98.02026	0.486264	-1
## 20052	114.08660	0.760161	-1
## 20059	130.51325	0.700527	1
## 20060	129.92831	0.285747	1
## 20062	123.78011	0.241891	1
## 20065	111.78675	0.322165	1
## 20075	126.98017	0.112007	1
## 20081	73.85714	0.254228	1
## 20084	122.09943	0.532642	1
## 20085	80.33157	0.555962	1
## 20086	107.09347	0.555618	1
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## 20091	102.39758	0.738625	1
## 20092	115.18578	0.516367	1
## 20094	121.56922	0.668646	1
## 20100	127.95277	0.505850	1
## 20102	132.94572	0.671287	1
## 20103	144.22498	0.825018	1
## 20117	125.34462	0.217298	1
## 20118	133.20677	0.262702	1
## 20127	96.97561	0.324029	1
## 20132	103.44509	0.323090	1
## 20137	103.03369	0.202372	1
## 20146	105.40783	0.401046	1
## 20147	126.02885	0.520532	1
## 20149	123.48114	0.725154	1
## 20151	126.21355	0.799555	1
## 20164	101.43169	0.571093	1
## 20165	136.09309	0.697099	1
## 20167	145.70577	0.471634	1
## 20168	139.03810	0.534867	1
## 20182	137.60681	0.487003	1
## 20188	123.33154	0.594302	1
## 20190	134.57909	0.597304	1
## 20191	140.82642	0.353319	1
## 20196	122.43256	0.384642	1

## 20199	137.47288	0.417292	1
## 20218	127.76919	0.647508	1
## 20224	127.46858	0.567482	1
## 20225	123.16573	0.525658	1
## 20228	126.52309	0.483165	1
## 20244	124.35689	0.576060	1
## 20245	141.56519	0.555313	1
## 20246	116.30853	0.522654	1
## 20254	127.11626	0.489222	1
## 20272	124.33978	0.402116	1
## 20273	130.01053	0.330998	1
## 20274	137.08621	0.266287	1
## 20279	99.41753	0.310792	1
## 20283	139.84470	0.742061	1
## 20286	140.43484	0.751323	1
## 20301	133.38286	0.483666	1
## 20309	152.34869	0.723597	1
## 20312	143.75743	0.727035	1
## 20317	134.17380	0.351212	1
## 20329	150.65575	0.689253	1
## 20330	143.34700	0.650075	1
## 20339	98.60517	0.179649	1
## 20340	137.28400	0.300647	1
## 20345	142.67516	0.625890	-1
## 20358	129.55479	0.612639	-1
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## 20373	145.51286	0.683089	-1
## 20375	144.46838	0.659716	-1
## 20376	141.62431	0.774251	-1
## 20379	150.70363	0.738815	-1
## 20380	140.31050	0.685116	-1
## 20382	149.12918	0.761033	-1
## 20385	147.05751	0.763357	-1
## 20387	120.38953	0.290617	-1
## 20391	138.12041	0.357410	-1
## 20399	117.90408	0.716815	-1
## 20400	135.52771	0.788909	-1
## 20414	99.29380	0.579288	-1
## 20419	143.18600	0.638249	-1
## 20427	107.34327	0.544106	-1
## 20436	133.47488	0.666616	-1
## 20442	142.36410	0.291228	-1
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## 20448	134.03299	0.650153	-1
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## 20466	145.48457	0.553308	-1
## 20469	145.27971	0.748406	-1
## 20470	121.53728	0.772699	-1
## 20478	153.14954	0.732509	-1
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## 20539	149.10612	0.521665	-1
## 20540	146.15431	0.486714	-1
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## 20547	148.50572	0.756572	-1
## 20548	130.49558	0.492349	-1
## 20558	113.37370	0.633760	1
## 20563	95.84645	0.755731	1
## 20569	90.24365	0.627254	1
## 20578	106.82310	0.245328	1
## 20588	116.06761	0.515211	1
## 20590	109.24103	0.136425	1
## 20591	104.58568	0.119700	1
## 20592	116.81500	0.300364	1
## 20606	134.56918	0.470050	1
## 20613	138.44101	0.694730	1
## 20617	130.84544	0.734120	1
## 20618	127.83329	0.669801	1
## 20622	130.51152	0.684938	1
## 20623	139.30070	0.779085	1
## 20637	127.83806	0.257213	1
## 20641	155.93947	0.356972	1
## 20646	111.31430	0.366602	1
## 20647	114.80851	0.144075	1
## 20660	111.73570	0.456694	1
## 20667	142.94153	0.232710	-1
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## 20671	119.60149	0.251750	-1
## 20681	153.63466	0.776897	-1
## 20684	125.68169	0.768341	-1
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## 20701	131.57472	0.478085	-1
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## 20798	127.04929	0.531990	1
## 20802	117.85375	0.596350	1
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## 20804	117.97656	0.648243	1
## 20808	91.34109	0.223862	1
## 20823	97.60894	0.299661	1
## 20837	133.58316	0.467603	1
## 20845	139.23462	0.492690	1
## 20846	123.80356	0.319138	1
## 20847	138.02925	0.504357	1
## 20856	121.95514	0.560691	1
## 20859	124.02824	0.649993	1
## 20863	117.01559	0.190361	1
## 20865	122.21155	0.260673	1
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## 20867	154.90256	0.338810	1
## 20873	124.93494	0.295331	1
## 20875	118.17625	0.150746	1
## 20880	131.71919	0.319575	1
## 20898	137.72087	0.464340	-1
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## 20925	123.71699	0.718094	1
## 20928	116.38985	0.223592	1
## 20930	92.99634	0.299281	1
## 20943	129.33865	0.297704	1
## 20946	99.50694	0.162129	1
## 20950	108.11975	0.755300	1
## 20953	125.28642	0.582859	1
## 20956	130.17184	0.764569	1
## 20961	131.73848	0.690183	1
## 20964	152.63313	0.681593	1
## 20968	129.45491	0.742028	1
## 20975	101.22618	0.532362	1
## 20991	155.22479	0.209858	1
## 20994	124.37220	0.335445	1
## 20998	99.72236	0.149152	1
## 20999	113.19151	0.105143	1
## 21011	161.98032	0.497233	1
## 21021	138.87137	0.843820	-1
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## 21041	119.95811	0.510969	1
## 21048	121.96144	0.165090	1
## 21055	105.17525	0.587324	1
## 21056	96.96681	0.609757	1
## 21059	133.28937	0.457485	1

## 21062	140.56081	0.511446	1
## 21070	133.10989	0.750641	1
## 21085	113.72812	0.190907	1
## 21093	122.47475	0.212480	1
## 21104	99.55422	0.206686	1
## 21108	121.19086	0.289571	1
## 21110	125.41025	0.255166	1
## 21111	116.16774	0.288754	1
## 21117	113.79402	0.248650	1
## 21119	105.69293	0.302308	1
## 21121	125.97154	0.752933	1
## 21125	101.52011	0.581264	1
## 21127	125.68306	0.760624	1
## 21133	126.18748	0.491324	1
## 21138	153.21362	0.506688	1
## 21143	121.47908	0.774431	1
## 21162	118.92005	0.381279	-1
## 21163	111.47520	0.352085	-1
## 21169	131.17355	0.511768	-1
## 21170	136.50630	0.238226	-1
## 21181	117.88797	0.604413	-1
## 21187	136.96668	0.575204	-1
## 21188	124.75829	0.600511	-1
## 21195	134.83258	0.472478	-1
## 21197	120.41442	0.612421	-1
## 21198	118.47415	0.723145	-1
## 21201	132.50676	0.597222	-1
## 21208	99.01779	0.504662	-1
## 21213	124.58448	0.653702	-1
## 21215	134.13234	0.842773	-1
## 21217	102.74103	0.269284	-1
## 21221	138.16126	0.306445	-1
## 21224	118.86508	0.391408	-1
## 21232	115.36605	0.324862	-1
## 21236	123.24068	0.350319	-1
## 21240	118.66137	0.316254	-1
## 21246	125.74014	0.450278	-1
## 21249	115.73358	0.373468	-1
## 21266	153.19838	0.296373	-1
## 21267	145.65892	0.312282	-1
## 21269	145.23686	0.390805	-1
## 21271	141.20982	0.401632	-1
## 21274	131.97253	0.393105	-1
## 21275	141.44751	0.460949	-1
## 21280	134.31663	0.661179	-1
## 21285	120.35777	0.635258	-1
## 21287	123.34045	0.678092	-1
## 21288	107.63081	0.289044	-1
## 21299	125.97745	0.385908	-1
## 21301	142.77031	0.387448	-1
## 21303	144.43930	0.533447	-1
## 21304	124.01919	0.188782	-1
## 21322	146.16183	0.650864	-1
## 21329	114.81182	0.127105	1

## 21331	91.14197	0.303054	1
## 21333	124.11063	0.281693	1
## 21341	122.74924	0.295908	1
## 21345	126.86164	0.239486	1
## 21346	91.96117	0.260407	1
## 21355	109.76519	0.461889	1
## 21360	89.79748	0.492299	1
## 21364	125.45750	0.335551	1
## 21389	109.91468	0.209531	1
## 21390	125.83572	0.352066	1
## 21391	123.54318	0.296676	1
## 21392	152.73863	0.329887	1
## 21393	112.53249	0.142854	1
## 21398	151.46298	0.323732	1
## 21401	107.51712	0.256611	1
## 21404	122.73021	0.262808	1
## 21405	130.19429	0.444264	1
## 21411	117.63643	0.365643	1
## 21413	109.19466	0.323972	1
## 21420	82.88676	0.318103	1
## 21421	83.76446	0.765827	1
## 21424	125.23080	0.642495	-1
## 21430	147.20058	0.540710	-1
## 21434	150.54402	0.623561	-1
## 21440	132.38631	0.434193	-1
## 21448	128.26750	0.587823	-1
## 21455	137.06718	0.622553	-1
## 21456	136.38052	0.677989	-1
## 21457	131.57520	0.581689	-1
## 21458	148.72850	0.564918	-1
## 21461	110.80863	0.238401	-1
## 21475	128.13602	0.453341	-1
## 21488	135.31172	0.710736	-1
## 21500	121.55156	0.268482	-1
## 21510	129.22597	0.538047	-1
## 21519	97.11842	0.242612	-1
## 21525	127.77856	0.386934	-1
## 21531	124.69003	0.313631	-1
## 21546	134.96168	0.237852	-1
## 21549	103.09525	0.248181	-1
## 21550	121.20028	0.229652	-1
## 21551	123.25852	0.375636	-1
## 21557	139.51442	0.192407	-1
## 21564	118.28130	0.227805	-1
## 21570	89.82983	0.313336	-1
## 21576	114.74405	0.244914	-1
## 21579	113.56835	0.748097	-1
## 21585	83.38551	0.285099	1
## 21587	87.79018	0.238465	1
## 21593	109.85858	0.247645	1
## 21599	108.92556	0.139396	1
## 21600	125.02184	0.117813	1
## 21604	109.77652	0.164526	1
## 21613	90.37957	0.621810	1

## 21618	112.30482	0.513498	1
## 21621	103.40931	0.651526	1
## 21628	116.43362	0.827522	1
## 21635	149.51598	0.497356	1
## 21636	127.69256	0.718189	1
## 21638	143.35379	0.917720	1
## 21639	133.19714	0.386946	1
## 21641	128.87213	0.190952	1
## 21644	123.77767	0.249970	1
## 21655	115.32837	0.365854	1
## 21660	81.57632	0.203104	1
## 21666	149.43657	0.224816	1
## 21670	134.05928	0.773253	1
## 21672	116.53239	0.523616	1
## 21674	130.74533	0.499159	1
## 21689	132.20325	0.397735	1
## 21690	137.66724	0.833049	1
## 21692	118.41430	0.476952	1
## 21693	119.08578	0.289481	1
## 21694	134.07944	0.507222	1
## 21695	120.49387	0.298277	1
## 21696	133.87732	0.415161	1
## 21702	100.56059	0.242768	1
## 21705	115.23185	0.332472	-1
## 21709	131.63983	0.366979	-1
## 21710	122.90198	0.340879	-1
## 21711	143.70625	0.361674	-1
## 21714	121.57391	0.526355	-1
## 21719	111.03651	0.640313	-1
## 21723	115.07831	0.779440	-1
## 21732	111.52816	0.509102	-1
## 21738	119.98274	0.721672	-1
## 21755	114.25120	0.736072	-1
## 21762	142.35594	0.574955	-1
## 21765	138.45944	0.456209	-1
## 21766	139.09012	0.572603	-1
## 21768	137.93314	0.656075	-1
## 21782	120.89490	0.550920	-1
## 21783	106.37810	0.562719	-1
## 21788	125.53873	0.540665	-1
## 21790	149.84674	0.714557	-1
## 21802	154.15759	0.814015	-1
## 21806	141.75136	0.777037	-1
## 21814	107.10608	0.276391	1
## 21817	104.72050	0.794437	1
## 21818	117.32848	0.752234	1
## 21820	114.27969	0.475106	1
## 21825	101.60280	0.816983	1
## 21826	105.28258	0.401405	1
## 21841	121.72774	0.410243	1
## 21850	123.13586	0.542876	1
## 21857	91.76255	0.345029	1
## 21858	114.49287	0.374779	1
## 21868	100.81810	0.327609	1

## 21871	109.67133	0.484345	1
## 21881	131.23377	0.421851	-1
## 21884	155.81723	0.413653	-1
## 21885	111.41125	0.499144	-1
## 21889	129.36459	0.432536	-1
## 21895	125.20078	0.471554	-1
## 21900	113.60085	0.377038	-1
## 21904	132.56732	0.473908	-1
## 21911	153.77696	0.759940	-1
## 21919	145.64294	0.759326	-1
## 21920	137.94888	0.363496	-1
## 21928	147.57880	0.526466	-1
## 21952	139.01120	0.543565	-1
## 21967	107.25783	0.321214	1
## 21969	110.98444	0.367165	1
## 21978	154.66092	0.507853	1
## 21980	144.41991	0.522275	1
## 21981	147.68826	0.487968	1
## 21985	106.69229	0.329480	1
## 21990	105.60545	0.460848	1
## 21991	112.10001	0.412951	1
## 21993	107.69164	0.863542	1
## 21997	84.07377	0.383191	1
## 21998	101.32803	0.854748	1
## 22007	112.39510	0.522818	1
## 22011	122.05648	0.657829	-1
## 22012	118.12721	0.568445	-1
## 22013	135.01938	0.777832	-1
## 22014	123.06619	0.289582	-1
## 22016	104.78411	0.663913	-1
## 22019	142.02501	0.481530	-1
## 22027	100.54632	0.320195	-1
## 22036	143.09323	0.607691	-1
## 22042	143.69421	0.423748	-1
## 22049	109.09639	0.380839	1
## 22056	110.47465	0.451050	1
## 22060	128.69724	0.508030	1
## 22067	97.15678	0.253136	1
## 22079	117.85832	0.195595	1
## 22081	131.24712	0.542387	1
## 22085	98.53820	0.378402	1
## 22099	113.99816	0.204585	-1
## 22106	113.87588	0.539454	-1
## 22107	129.96602	0.755107	-1
## 22111	129.02560	0.453096	-1
## 22120	127.26161	0.289633	-1
## 22122	118.97403	0.578817	-1
## 22124	119.07514	0.813657	-1
## 22131	112.38701	0.364909	-1
## 22141	147.98216	0.215757	-1
## 22142	147.76187	0.613703	-1
## 22146	140.93057	0.525575	-1
## 22153	123.58852	0.624648	-1
## 22155	119.21780	0.492806	-1

## 22162	106.98650	0.606307	1
## 22164	115.28497	0.444231	1
## 22169	102.83717	0.420514	1
## 22172	115.47698	0.775032	1
## 22183	119.78126	0.565930	1
## 22185	142.03033	0.519807	-1
## 22200	139.24869	0.780851	-1
## 22202	136.41518	0.460417	-1
## 22206	143.37904	0.750920	-1
## 22214	135.74736	0.480903	-1
## 22216	141.13602	0.336168	-1
## 22217	142.39606	0.371902	-1
## 22226	135.80392	0.497838	-1
## 22229	130.45599	0.566608	-1
## 22238	95.33077	0.501702	-1
## 22239	97.72799	0.666175	1
## 22247	117.38450	0.445097	1
## 22248	117.96363	0.439281	1
## 22253	125.55101	0.450634	1
## 22265	111.25006	0.680779	1
## 22267	107.65192	0.607966	1
## 22275	78.60126	0.495749	1
## 22296	134.51526	0.544199	1
## 22302	107.37498	0.601038	1
## 22307	119.02736	0.605928	1
## 22312	119.07130	0.710378	1
## 22314	122.05755	0.561371	1
## 22316	128.71648	0.674898	1
## 22322	85.91975	0.608412	1
## 22325	115.31187	0.804574	1
## 22329	137.57523	0.639546	1
## 22330	109.76125	0.406449	1
## 22333	119.54496	0.411445	1
## 22334	119.81586	0.336143	1
## 22338	126.97369	0.472802	1
## 22341	116.14807	0.474221	1
## 22342	139.11917	0.465991	1
## 22343	139.32219	0.534153	1
## 22346	118.41967	0.502726	1
## 22355	112.90415	0.316441	-1
## 22366	135.24191	0.638086	-1
## 22386	110.49635	0.490287	-1
## 22402	136.01701	0.525939	-1
## 22403	160.34703	0.469501	-1
## 22406	121.64735	0.434253	-1
## 22410	121.50787	0.713106	1
## 22412	93.13437	0.632724	1
## 22413	102.88487	0.604435	1
## 22417	83.68766	0.408401	1
## 22420	106.53065	0.616485	1
## 22425	97.17688	0.776054	1
## 22429	113.19272	0.492687	1
## 22430	102.61560	0.417438	1
## 22431	112.35122	0.883933	1

## 22434	147.67354	0.662600	-1
## 22436	140.22955	0.633866	-1
## 22443	156.49383	0.628272	-1
## 22446	136.89697	0.539779	-1
## 22458	153.43207	0.649931	-1
## 22463	125.51230	0.637574	-1
## 22465	141.61826	0.706543	-1
## 22493	87.82309	0.352903	1
## 22494	81.85579	0.354557	1
## 22495	113.07019	0.465151	1
## 22496	104.76318	0.430414	1
## 22506	88.79030	0.416122	1
## 22515	102.69566	0.499094	1
## 22522	132.02066	0.666446	1
## 22525	136.23492	0.410439	1
## 22529	122.76542	0.779691	1
## 22535	132.49522	0.382401	1
## 22539	113.92859	0.357559	1
## 22540	113.17892	0.395370	1

When K=3

Next, we will look at what happens if we base our heuristic/algorithm only based off of each data point's 3 neighbors (k=3).

Confusion Matrix

An 72.3% accuracy rate is okay but the base-rate is roughly 64/36, so we have more or less a 70% chance of guessing right if we don't know anything about the customer which is still slightly better than randomly guessing, but not optimal.

```
## Confusion Matrix and Statistics
##
##           Actual
## Prediction  -1    1
##           -1  846  472
##           1   776 2415
##
##           Accuracy : 0.7232
##           95% CI : (0.7099, 0.7362)
##           No Information Rate : 0.6403
##           P-Value [Acc > NIR] : < 2.2e-16
##
##           Kappa : 0.3734
##
## Mcnemar's Test P-Value : < 2.2e-16
##
##           Sensitivity : 0.8365
##           Specificity : 0.5216
##           Pos Pred Value : 0.7568
##           Neg Pred Value : 0.6419
##           Prevalence : 0.6403
##           Detection Rate : 0.5356
##           Detection Prevalence : 0.7077
##           Balanced Accuracy : 0.6790
```

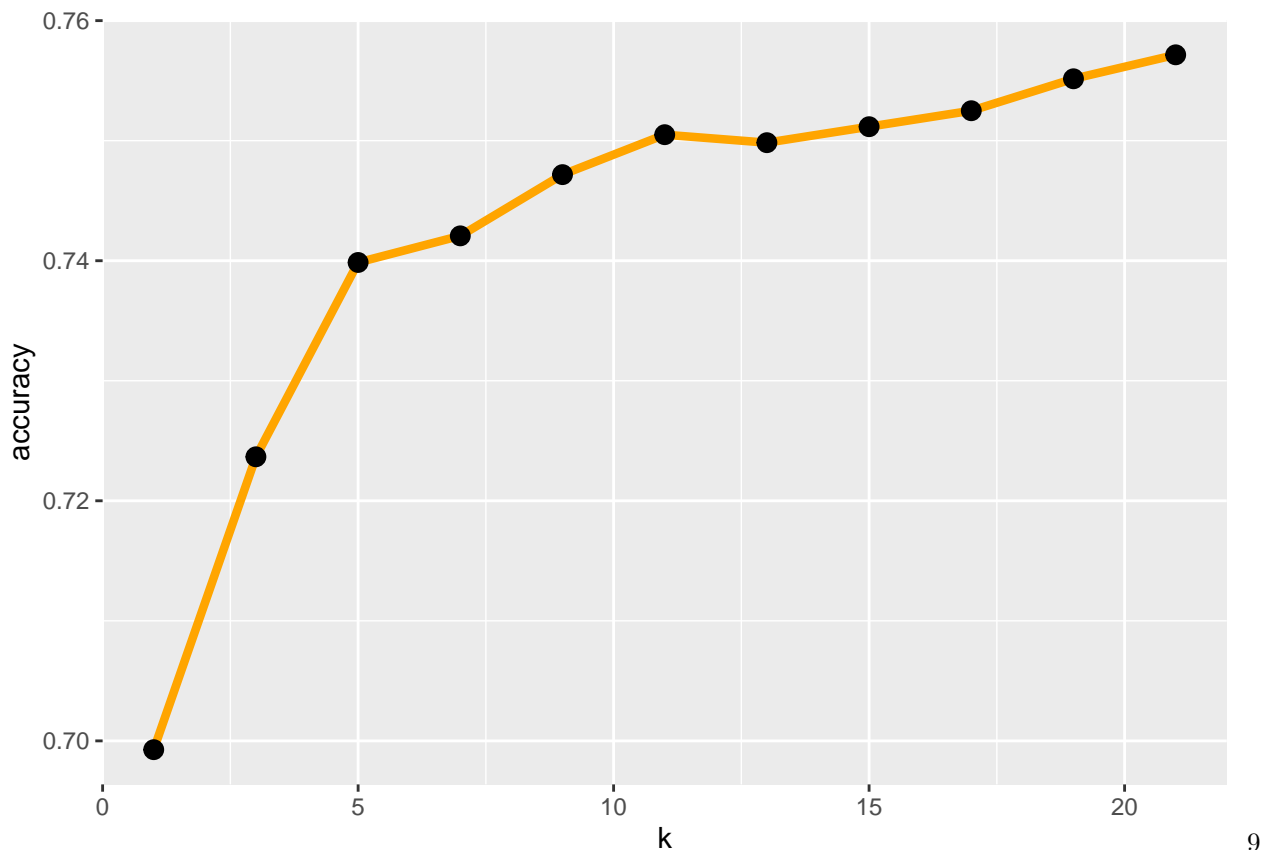
```
##
##      'Positive' Class : 1
##
## function (data, ...)
## {
##     UseMethod("confusionMatrix")
## }
## <bytecode: 0x55800402ce00>
## <environment: namespace:caret>
```

Our new ability to predict commercial vs. non-commercial is now 83.7% which is very good. This means that out of 10 samples, we'll get about 8 of them correctly identified. We already have a high TPR (Sensitivity), so we wouldn't necessarily want to trade off with specificity or precision.

Choosing the Best K

Based on the chooseK function, K=21 seems to have the highest accuracy of 0.757 as shown in column 11. K=1 has the lowest accuracy of 0.699.

Choosing a K



to 11 is the best choice here because that's the greatest improvement in predictive accuracy before the incremental improvement trails off.

With a k of 9, we now get an accuracy/sensitivity of 89.6% which is even better than the previous k=3's value of 72.3%.