

MSDS 7333 Fall 2020: Final Case Study

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Business Understanding

The goal of this case is to provide business clients an understanding of how to approach a data science problem and to minimize dollar cost based on those data science decisions. For this case the following information has been provided:

- A data set with unknown data
- A request to build a model that balances minimizing cost to the business but is accurate enough to apply to the business problem

In addition to the data, information on the cost of decisions has also been provided. The decision cost breaks down as follows:

- True Positives - \$0
- True Negatives - \$0
- False Positive - \$10
- False Negative - \$500

This information allows for understanding that correctly classifying the data does not cost the company anything. Classifying the data as true when it is false (False Positive) costs the company \$10. Classifying the data as false when it is true (False Negative) costs the company \$500. As the classification models are built one of the key goals will be to minimize the cost associated with these values.

For the purposes of this analysis two metrics will be leveraged to compare the classification models: accuracy and classification cost. The accuracy metric will identify how well the model performed in classifying the data values. High accuracy means either the model is performing well or the model is over-fitting on the data. Data over-fitting is detrimental for analysis purposes in that new data may not get classified correctly. This is where the classification cost metric comes into the picture. Using the information provided above, a classification cost for each model will be calculated. This will allow for an understanding of the impact poor classification has from a financial perspective. The combination of these two metrics should provide good initial guidance for model selection.

Initial Data Understanding

The first step to approaching a data science problem is to understand the data that is available for use. In this particular case a data set of unknown origin / contents has been provided. For this data set, there is no metadata nor column headers available to make data inferences from. After loading the data, the data types will be evaluated. This will provide an understanding of how the data columns are structured and begin to paint a picture for analysis.

In evaluating the data, the following summary information can be obtained. There are:

```
##          variable      V2
## 1:          rows  160000
## 2:         columns    51
## 3: discrete_columns    5
## 4: continuous_columns  46
## 5: all_missing_columns    0
## 6: total_missing_values  1466
## 7:   complete_rows  158534
## 8: total_observations 8160000
## 9:      memory_usage 72504864
```

The output below shows these columns are the discrete columns (noted as character) and which are continuous (noted as numeric).

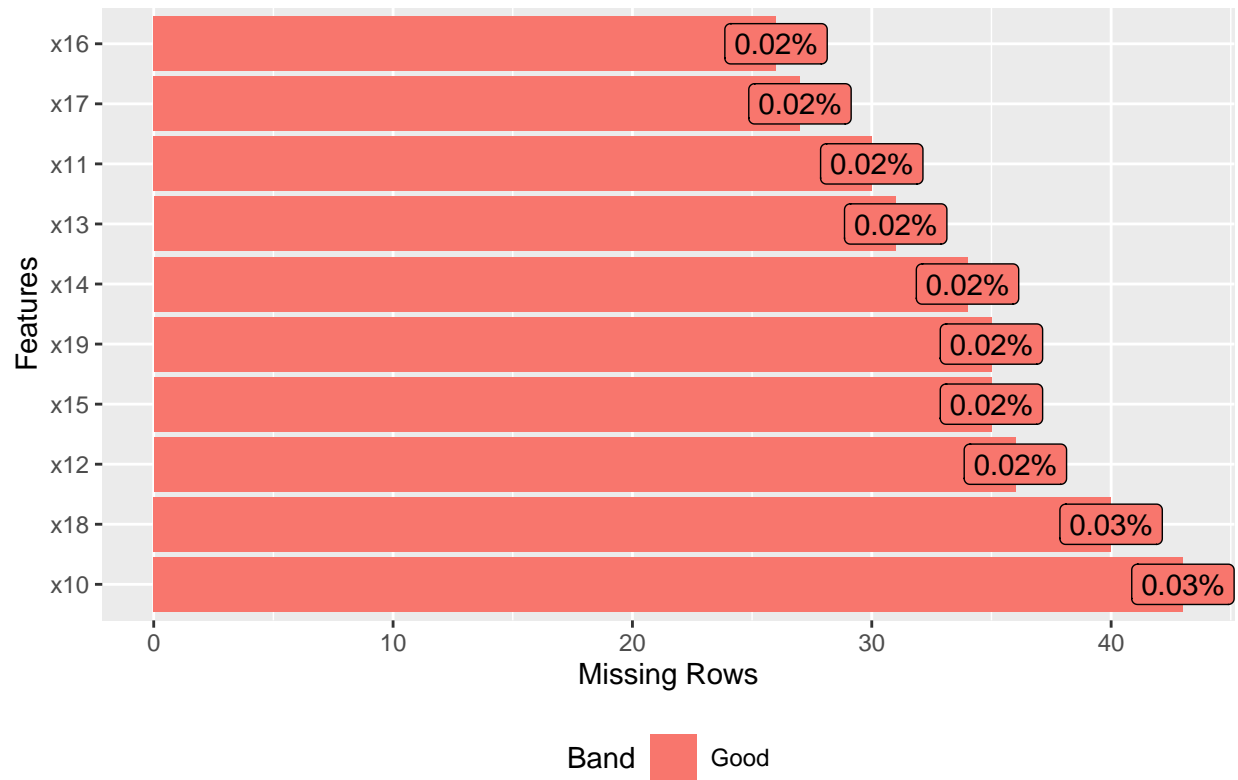
```
## variable supply.df..class.
## 1:      x0      numeric
## 2:      x1      numeric
## 3:      x2      numeric
## 4:      x3      numeric
## 5:      x4      numeric
## 6:      x5      numeric
## 7:      x6      numeric
## 8:      x7      numeric
## 9:      x8      numeric
## 10:     x9      numeric
## 11:    x10      numeric
## 12:    x11      numeric
## 13:    x12      numeric
## 14:    x13      numeric
## 15:    x14      numeric
## 16:    x15      numeric
## 17:    x16      numeric
## 18:    x17      numeric
## 19:    x18      numeric
## 20:    x19      numeric
## 21:    x20      numeric
## 22:    x21      numeric
## 23:    x22      numeric
## 24:    x23      numeric
## 25:    x24      character
## 26:    x25      numeric
## 27:    x26      numeric
## 28:    x27      numeric
## 29:    x28      numeric
## 30:    x29      character
## 31:    x30      character
## 32:    x31      numeric
## 33:    x32      character
## 34:    x33      numeric
## 35:    x34      numeric
## 36:    x35      numeric
## 37:    x36      numeric
## 38:    x37      character
## 39:    x38      numeric
```

```
## 40:      x39      numeric
## 41:      x40      numeric
## 42:      x41      numeric
## 43:      x42      numeric
## 44:      x43      numeric
## 45:      x44      numeric
## 46:      x45      numeric
## 47:      x46      numeric
## 48:      x47      numeric
## 49:      x48      numeric
## 50:      x49      numeric
## 51:       y      integer
##      variable supply.df..class.
```

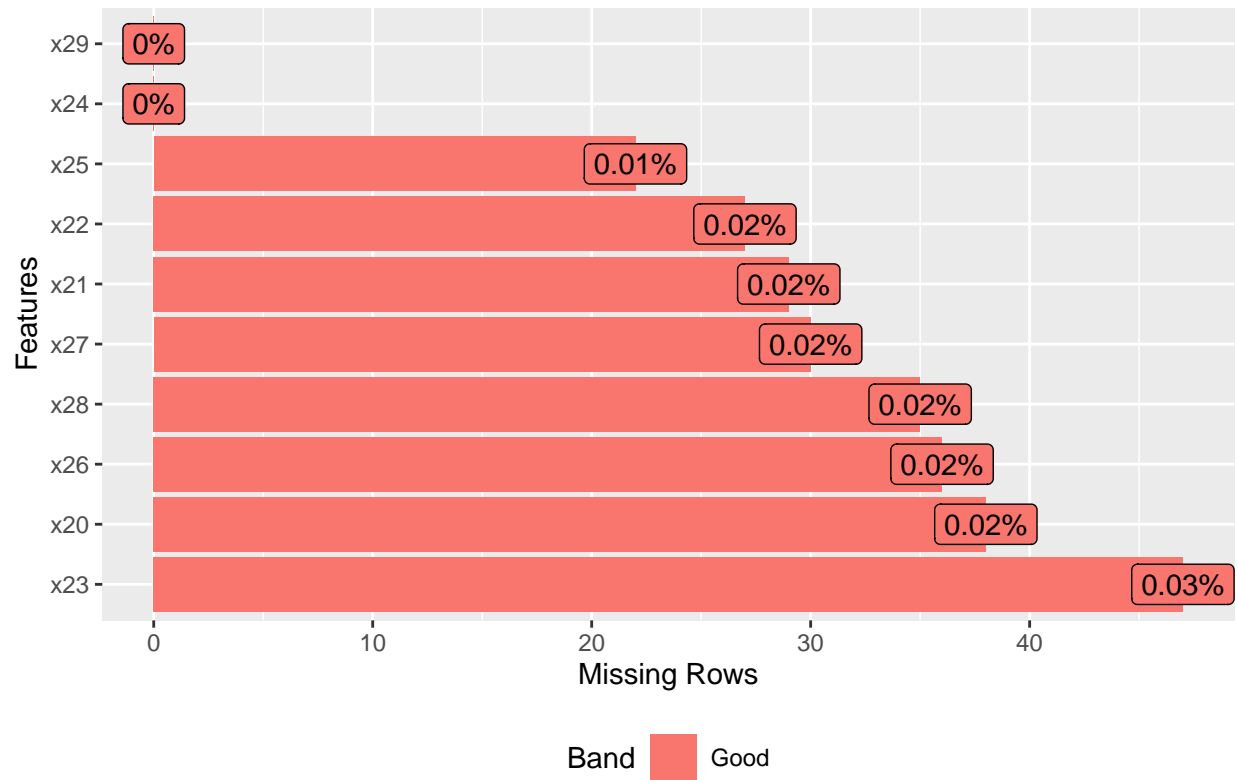
In evaluating the missing data, the following 5 plots will assist in understanding the percentages of missing data by individual column. The plots indicate there is at most 0.03% of the data missing in any column. This would indicate that there are not large swaths of data missing in columns.



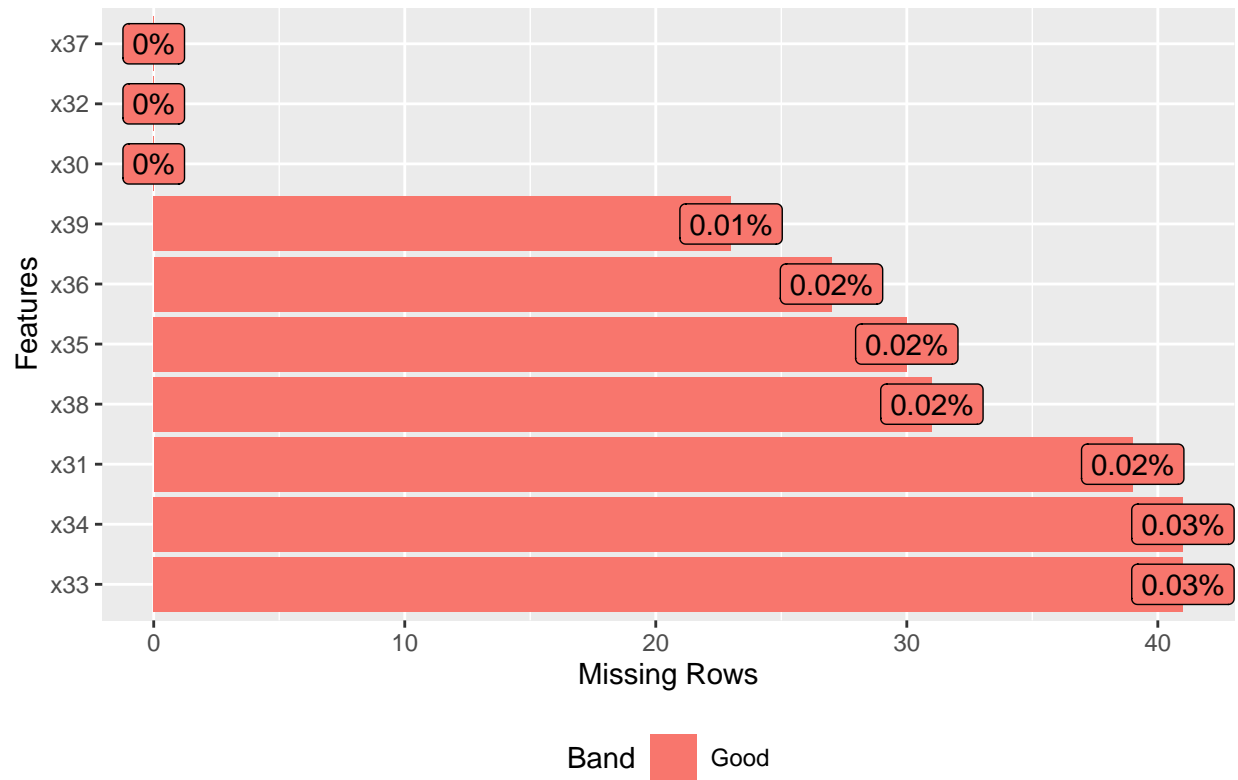
Plot of Missing Values: 11 – 20



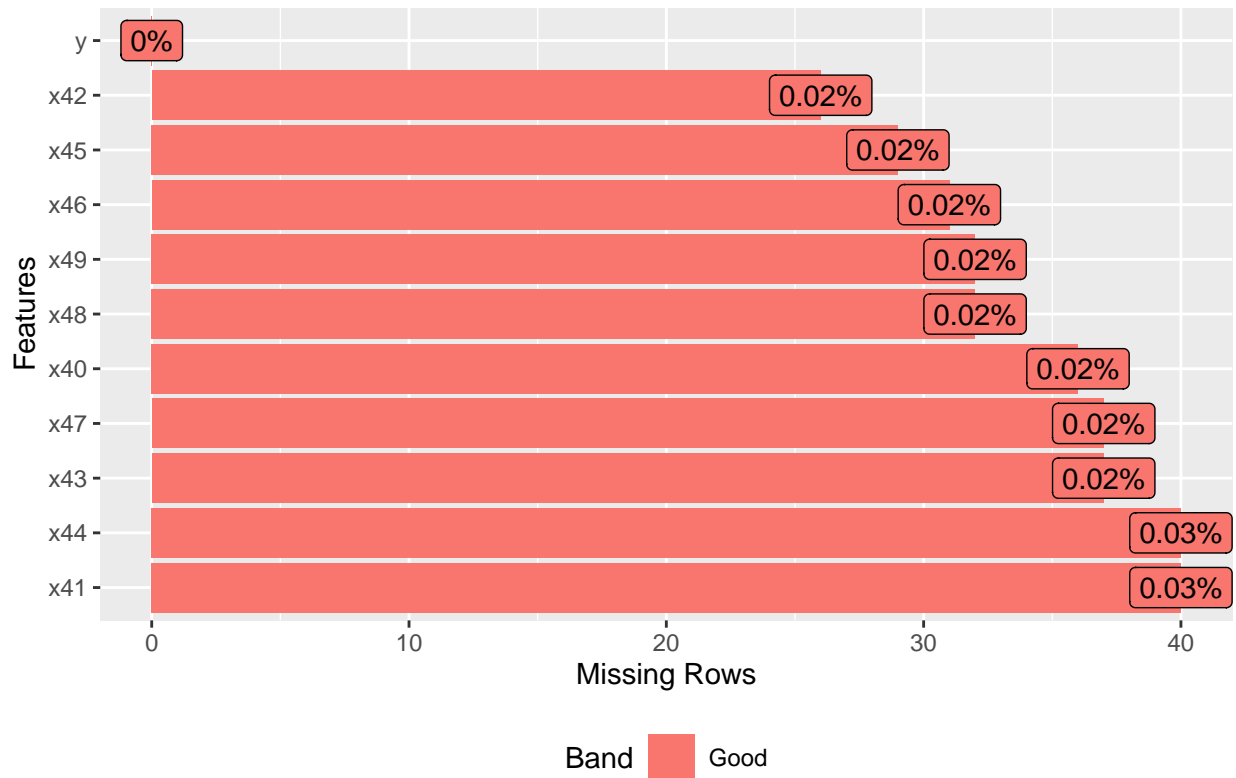
Plot of Missing Values: 21 – 30



Plot of Missing Values: 31 – 40

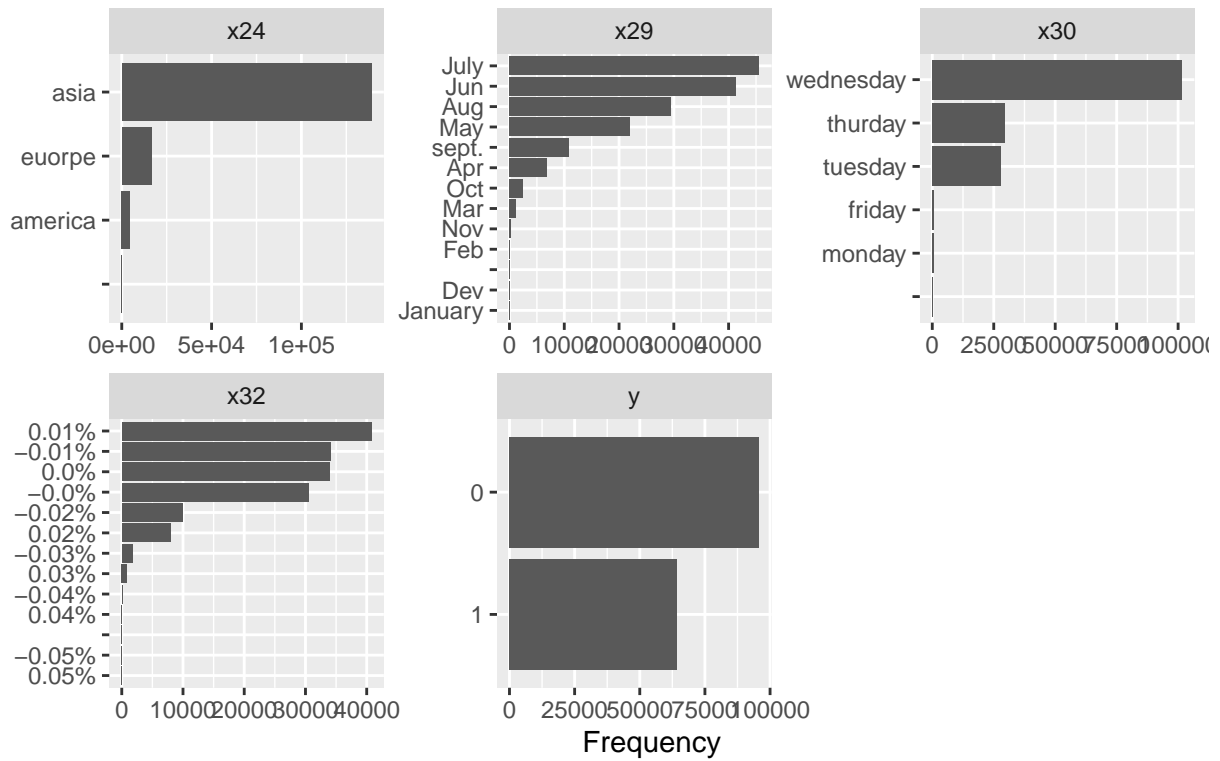


Plot of Missing Values: 41 – 51



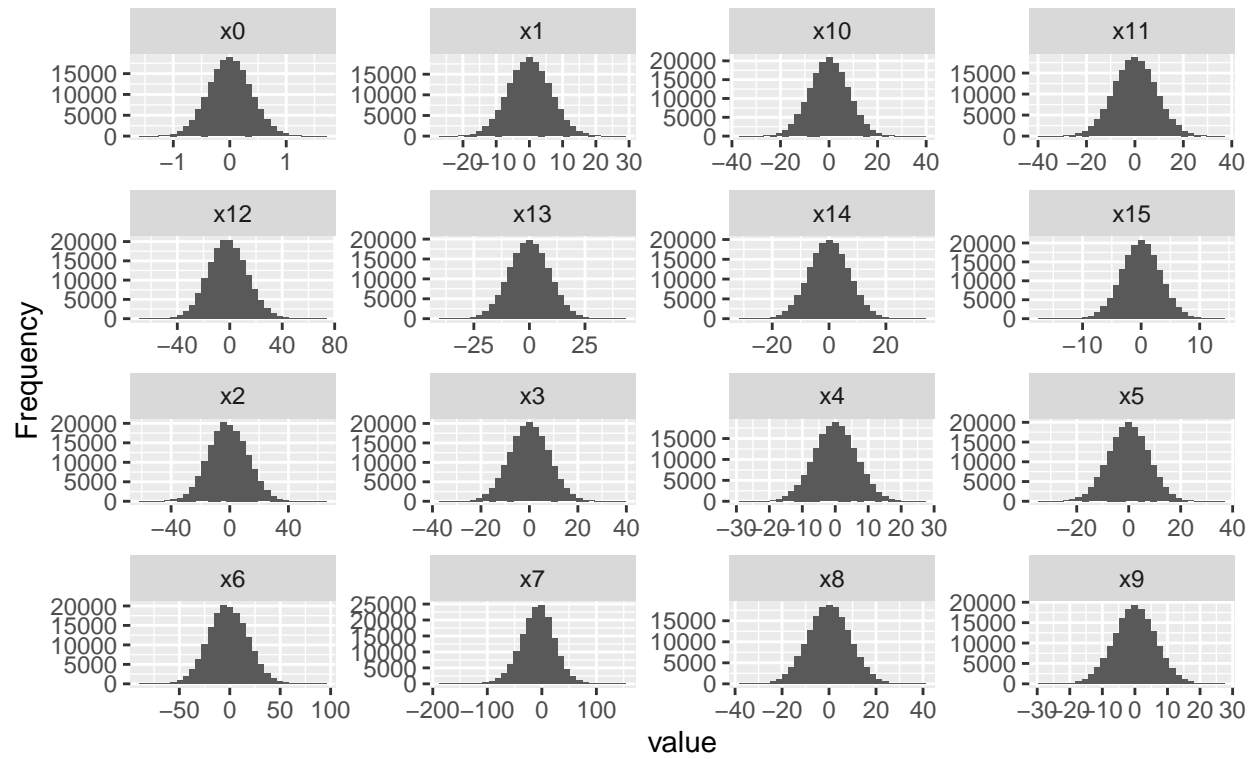
Now that the amount of missing data in the data set is understood, the evaluation of the discrete and continuous variables must be undertaken. The discrete variables will be addressed first. From the bar charts below the buckets that each data value is associated with is shown. This allows for additional data understanding. For example, in evaluating variable x29, events seem to occur more in the summer months (June, July, August). Similarly for variable x30, events seem to occur more on Wednesdays than other days of the week. This analysis also points out a possible issue with data cleaning that needs to occur. Variable x32 looks to actually be a numeric value, but is being treated as categorical due to the percentage size inside the data. That value will be stripped out to make it more appropriate for analysis. Additionally, this analysis provides a quick look into the categorization variable (y). From the bar chart, it can be seen that there is not a large class imbalance in the variable. If such an imbalance existed additional steps would need to be undertaken to address this prior to analysis.

Bar Plots of Discrete Variables

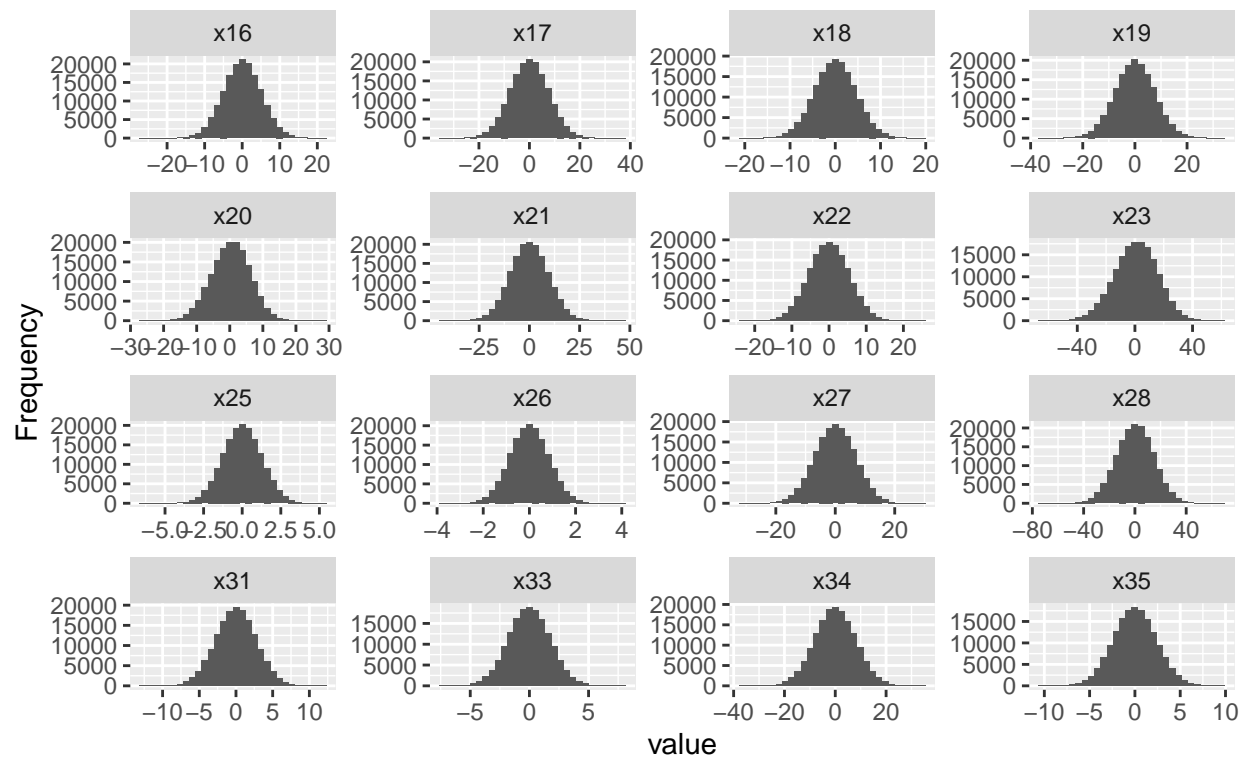


Moving on to the continuous variables, histogram plots will be leveraged for analysis. Histogram plots will provide an understanding of the data distribution. From the histogram plots below, the data look to be normally distributed for all of the continuous variables. This indicates there are no data outliers that need to be addressed and no data wrangling that needs to occur for correction.

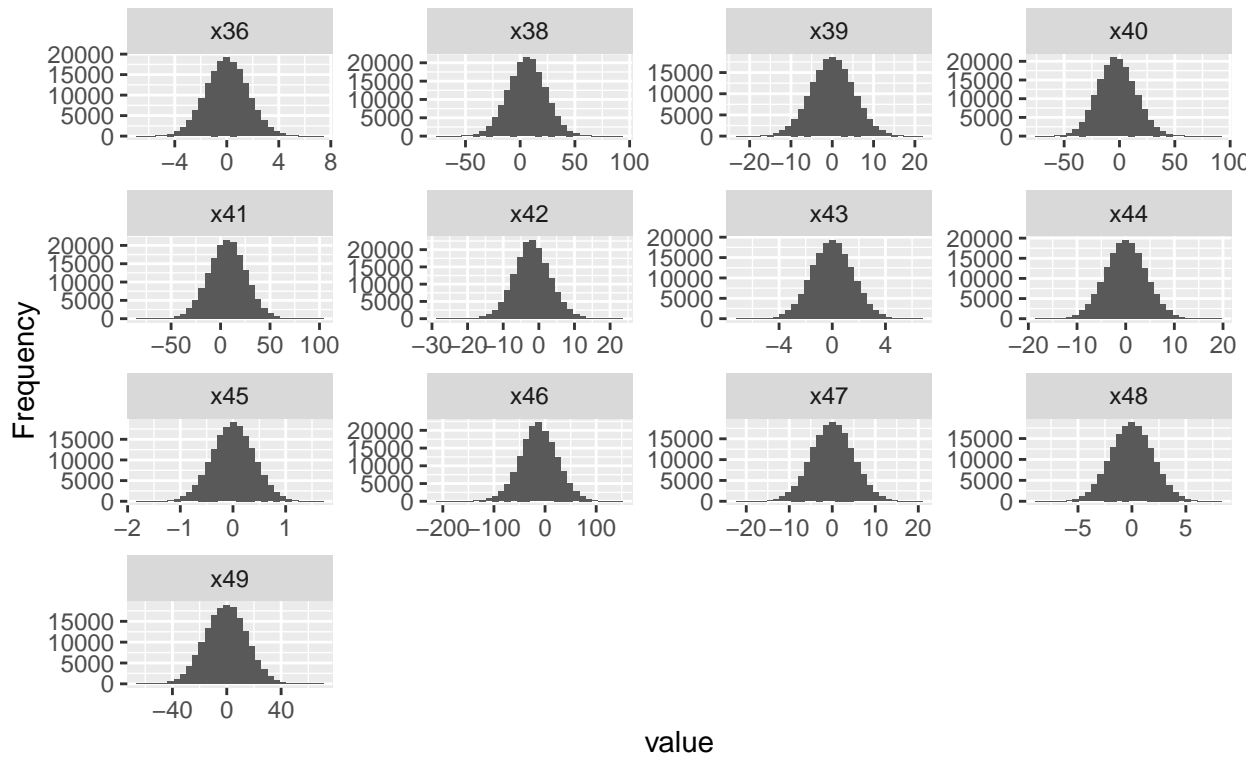
Histogram Plots of Continuous Variables



Histogram Plots of Continuous Variables



Histogram Plots of Continuous Variables



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Evaluating all of the plots for both the discrete and continuous variables also shows that one value, x37, is missing from any of the plots. Upon investigation that field seems to be a currency field. This field contains the dollar sign (\$) symbol which is not getting picked up correctly.

To summarize the data discovery portion of this case: * There are a few elements of missing data that will need to be cleaned up * There are characters in the data that need to be cleaned up.

Addressing Data Issues

As discussed previously there are characters in values that should be treated as numeric. Specifically in variable x32 there is a percentage sign and in variable x37 there is a dollar sign. If these characters are not removed from the analysis then there will be issues with model building.

##	x0	x1	x2	x3	x4
## 1	-0.1665626917	-3.961588267	4.621113289	2.481907979	-1.800134785
## 2	-0.1498940245	-0.585675516	27.839855623	4.152332836	6.426801797
## 3	-0.3217069446	-1.429818791	12.251561473	6.586873690	-5.304647182
## 4	-0.2455944247	5.076677387	-24.149632159	3.637306617	6.505811289
## 5	-0.2733664430	0.306326096	-11.352592866	1.676757856	2.928440755
## 6	-0.2267056536	11.350364151	10.831366657	5.182091767	-2.236453611
## 7	-0.4312461403	-0.974762351	-7.412660528	-0.930500107	-1.265166492
## 8	-0.1350711421	8.524647734	-6.731169291	-13.374529887	-0.079429331
## 9	0.0266938766	-5.770476401	0.774835896	4.718854574	4.816483565
## 10	-0.3490734121	3.334116136	-3.355872462	-0.796301836	-0.900424872
## 11	-0.3332242084	1.138614252	11.346696861	0.104432071	0.819079997
## 12	0.3361037723	3.737029384	-6.419189956	2.604201449	-0.996172617

## 13	-0.4592342709	1.570554812	12.485591390	3.798924920	-0.404275430
## 14	0.2011134545	-8.868768760	0.827724664	-5.688357879	-7.428024453
## 15	-0.0257958550	-6.100713404	3.878302891	-22.074012675	0.753331614
## 16	-0.4792646670	-1.085310876	6.500735228	5.535042260	-5.157180638
## 17	0.1409715470	-13.770814842	-11.794552278	1.282170634	-10.314442518
## 18	-0.0338699607	-0.880807619	1.755285673	2.582832615	-0.325790470
## 19	0.4667515593	10.563190096	9.123766971	2.027940599	2.226413967
## 20	-1.0427434370	12.617560166	5.378505841	-0.209906396	-4.400668316
## 21	0.3392382140	-8.215266749	-3.090575967	3.994229817	10.610467040
## 22	-0.4307369552	0.328170652	17.954293288	-14.565121512	-2.486026383
## 23	-0.4817698251	-2.168826799	-6.910079610	6.385888518	0.921009872
## 24	-0.0984580298	4.373457153	-6.739371178	1.041695563	3.201977043
## 25	0.0100548664	16.636074418	9.472252622	-4.087241396	5.092983308
## 26	0.8406766904	3.453940205	-10.696952444	-0.574694574	-12.300653996
## 27	0.3978632428	15.691714843	-7.081571991	-7.931013130	-6.876648493
## 28	-0.0786071633	-8.797995979	-8.147813155	13.497621271	4.747904146
## 29	-0.2799004296	-2.715869801	-11.381726105	-3.227753454	-12.764563186
## 30	-0.3213932126	-5.910639728	6.243551558	-12.936754657	4.847572574
## 31	0.4735738775	-0.975465624	-16.710253514	12.998582975	-12.397671965
## 32	-0.0195461662	-8.022478672	-0.371785931	-0.806204619	4.549538586
## 33	0.3627721499	-6.503168102	3.715882043	-11.156008210	0.545817895
## 34	0.0527123207	-11.329599248	8.376243747	-5.090649944	8.704249394
## 35	0.2712825549	-2.219412031	-5.779958714	2.644812263	8.717416532
## 36	-0.6257706222	-5.268381740	7.168771520	-7.270383461	12.138739239
## 37	1.1757557349	4.073244547	-36.985104146	2.056062162	9.569774772
## 38	-0.4040550020	7.480153833	18.222300316	-1.502661764	-18.243496892
## 39	0.3440583972	-10.889625298	5.843789691	0.744330826	-0.287727963
## 40	-0.5988953561	5.640068413	1.761614979	-5.129643069	-3.988226443
## 41	-0.0081482184	-2.534533505	14.414888200	0.333338515	5.263494257
## 42	0.1418322908	2.557094168	-3.072909471	5.819899536	-11.340314910
## 43	0.5644848597	-3.334305989	17.276095491	-3.865065924	7.147975873
## 44	0.2363300636	0.200914947	-10.262689715	1.393440214	8.552917422
## 45	0.4311257408	-0.519485274	-1.645443002	23.779609825	9.662183652
## 46	0.0102509873	-1.927675875	15.677723524	-4.622862278	-0.691079564
## 47	0.2600411292	3.973927743	15.745898401	1.334108185	2.605113848
## 48	-0.2038677309	-6.163149806	15.909395201	18.663701629	-8.768311839
## 49	-0.9271547713	-7.290313011	6.049319300	-3.980340325	-12.851657533
## 50	0.1404429950	-4.643231023	10.674679377	4.062732655	-9.624931192
## 51	-0.2073223107	7.934199888	11.003081463	-14.037770071	-0.268209654
## 52	0.1628177329	2.296764049	6.802463666	-0.408635563	-1.284213849
## 53	-0.3044676849	1.414355113	6.792488173	4.567646726	-2.383951295
## 54	0.3519473542	-1.660321417	9.897001330	2.446241118	2.747477383
## 55	0.4924336885	-0.588843672	-21.437191743	4.192252606	6.736804441
## 56	0.4679549732	5.307757173	-22.124917036	-13.565343034	5.031746145
## 57	0.2900619777	15.603193946	-9.630084434	2.850158426	-1.559257797
## 58	-0.0605605928	-5.645629810	-10.223961276	13.385464559	-12.792250196
## 59	0.4548310846	-0.366991167	10.409122780	2.202742629	-0.704323639
## 60	0.0469230974	-5.295441457	17.702197546	3.138763604	4.607988143
## 61	0.3966280318	-5.217705505	24.188691019	6.882527618	6.107273404
## 62	-0.7110922268	6.011142207	18.022767225	2.780639281	-0.647246261
## 63	-0.1430298504	-5.257243066	-23.517317480	6.669763259	0.862099800
## 64	-0.0417770062	6.635723467	-0.132594421	-10.760671161	-1.704727464
## 65	-0.1344778076	-3.273940188	5.866674591	8.391347169	0.733633978
## 66	-0.0696891685	-2.804739757	7.624230569	16.265944660	4.420572334

## 67	0.4734893295	0.878033423	-9.299702838	1.208710199	-5.041806428
## 68	0.1235491922	-5.504059614	9.907419943	13.294013810	6.003392117
## 69	0.6668007965	-4.682425645	21.753474742	-7.471300631	5.701090055
## 70	-0.7938920530	6.243681046	29.384152109	2.396063454	-8.471853569
## 71	-0.2101184676	0.864219209	8.075399107	9.063460234	1.285749737
## 72	0.0393418658	9.703957053	-12.614641339	4.097207855	-5.795143295
## 73	0.1357668497	4.899632033	5.370264595	-0.982473373	8.681341330
## 74	-0.1051141863	3.740267725	-15.509283168	3.712759218	-1.257666683
## 75	-0.0100275041	2.480454751	12.380046876	-3.473704154	2.253117888
## 76	-0.6644715534	1.225262046	-9.109499975	10.798597460	0.127611167
## 77	0.6198459414	-6.494275370	-19.072755326	-16.237465115	-1.912788190
## 78	0.1125201116	1.638139738	-4.016128033	12.627078636	-1.970707595
## 79	-0.0936323077	6.155348556	-14.741782964	7.841556130	5.674618273
## 80	-0.1505569767	-1.118423084	-3.907873939	2.420317199	-0.375193249
## 81	-0.7507699715	-6.117821583	-4.637497409	-8.931898652	3.250648876
## 82	0.3369162204	1.675800539	-20.201045212	14.420419857	-5.444340044
## 83	-0.0488346121	11.371039874	-7.567101656	-1.714822678	1.583673695
## 84	0.3344195581	6.945274363	-9.632117467	-15.059392758	3.025473673
## 85	-0.4283344783	0.067097197	8.535949601	5.641595836	0.951300537
## 86	0.5142716524	-1.231156756	-10.228056989	-10.959919954	1.046820802
## 87	0.5991630884	-5.711355822	-3.728649758	9.585663163	4.872736360
## 88	-0.1699528544	-11.809846632	3.436959758	-8.483380668	-10.611325489
## 89	-0.3454689078	-5.519488226	6.236185364	0.860459148	2.607758577
## 90	0.4643924297	4.953012326	0.999876674	-1.673990131	8.102019255
## 91	-0.1399831842	-2.810755014	-3.639468779	-4.154565747	2.232407957
## 92	-0.3631990673	17.633805899	-1.116241305	-2.296301223	5.458881716
## 93	0.4813203779	-0.137992496	8.490474736	2.490461332	-4.927792487
## 94	0.1796774091	2.645806279	4.897157308	7.394880303	7.565403237
## 95	0.0323814315	1.414276484	-29.815202447	-5.906669928	2.482397260
## 96	-0.3543896827	-2.935532883	21.236065279	0.492084885	0.290752600
## 97	-0.0582251652	2.896050335	-14.500372469	-2.621658483	-7.525102788
## 98	0.0157634717	-3.040490882	2.233406258	-4.245246666	1.290832361
## 99	0.4690443241	-2.978637120	13.697721333	-7.685364312	1.350303478
## 100	-0.3750119670	-11.590540001	-5.384532006	0.005843163	4.991068256
## 101	-0.1250962136	2.871228597	-26.851316770	-1.923287375	2.396478652
## 102	0.0697343050	9.474674487	-16.560039905	-7.726605707	2.965749251
## 103	-0.1971723885	-10.884719639	-6.206314087	3.729555288	6.645290697
## 104	0.6661764776	3.769007707	44.792871522	-1.248767516	-0.966914693
## 105	-0.1185701766	0.150482861	9.613523350	3.058823886	4.879386624
## 106	-0.0522454710	0.451867463	-7.258190108	12.025507903	-6.353534215
## 107	0.0430136299	-8.018875355	0.877246705	-0.325034773	-6.386556104
## 108	-0.5085878521	5.680876191	-4.937108151	4.254429795	2.740427233
## 109	0.6071096137	5.118530627	-0.287591092	-2.124993093	11.068994793
## 110	0.0717831667	-4.315524777	2.020608763	-6.622768829	-5.290467624
## 111	-0.3692515101	0.419023789	3.822986877	-15.353110677	-3.192937672
## 112	0.0417467124	-0.512173060	-5.903910705	-8.810399419	3.481382637
## 113	0.4286152690	11.318254334	-5.433913257	5.852246586	1.759513475
## 114	0.1543036754	-7.645379007	-20.163076675	-5.086283480	-4.354148814
## 115	0.4089298128	4.389055239	-12.099978213	11.845497435	-2.615228883
## 116	0.5095422483	-5.475797227	-5.838318805	-3.958624797	0.089541520
## 117	0.1072196880	-3.973332657	12.833457907	4.304496875	4.374424580
## 118	0.2584135224	8.772004857	0.895575993	-1.797911518	-8.058311683
## 119	0.5305702089	-3.890551387	-6.572060567	-1.642352140	6.984085848
## 120	0.0829930288	-2.262968867	-39.814967669	-18.475001731	6.250335368

## 121	0.3970011290	-3.081145021	-16.005007605	11.894002767	-8.353957034
## 122	0.1183111082	-0.643182919	-5.317959713	0.982754812	-3.796831381
## 123	-0.2159347316	4.169486349	-15.709864633	8.884059457	0.282291242
## 124	0.4289555911	2.838384670	4.508475857	-6.303206139	8.206313146
## 125	0.0168556771	-9.120078829	6.110402452	0.959523667	-18.946714077
## 126	-0.0650396047	5.286966332	13.239360629	3.661333017	-5.459955871
## 127	0.3275654728	-0.544186407	-6.928746011	-5.659393456	-3.423373391
## 128	-0.1224876793	-7.649815399	7.900842106	1.894521253	8.105991557
## 129	-0.9094973574	8.893308652	1.365979077	3.735325325	1.122538761
## 130	-0.4220136914	-6.765359031	5.514147181	11.052875738	0.356289864
## 131	0.5278181676	-6.606636933	7.313682615	-2.376809193	2.640629631
## 132	0.0645839443	-1.403540331	25.844317475	-10.876775041	0.897903168
## 133	0.7845927256	1.186657843	-3.845762321	-4.413254185	-6.654582756
## 134	0.1355907528	3.997568920	12.192374961	6.707449308	0.787803208
## 135	0.2037023547	8.772853132	0.156607463	-1.289636200	1.300941968
## 136	0.4903166109	-0.978704863	-22.176908580	-6.073024619	-5.610161646
## 137	-0.1985325145	-0.154586251	-8.115252604	-2.118791008	5.458136778
## 138	-0.2675317815	7.225944872	-8.723839741	3.440975493	-4.129375317
## 139	0.0299113991	1.616542018	-20.735882911	-12.650435232	10.278774757
## 140	-0.3905201863	-1.269038921	-14.095824341	-10.497034511	-3.823252976
## 141	0.1276043934	-2.929778334	8.442155485	-1.569025199	-11.350606196
## 142	-0.1730414910	8.363210315	3.888834889	-9.442665020	13.513364285
## 143	-0.2772690543	2.031043770	3.097855875	-5.922276742	-1.172506577
## 144	-0.5123978775	-16.420650775	-15.321892357	-3.153930906	-6.797853926
## 145	-0.3984436650	4.111545043	-17.585855146	-16.924105394	1.640584100
## 146	-0.3958624560	-7.943723387	12.469547945	6.059501150	-5.712251190
## 147	-0.2899467961	-4.287586992	-2.887179914	2.154581842	1.172670567
## 148	-0.1419649367	-1.831794921	11.903929172	-2.358614440	1.714960403
## 149	0.2353664624	-1.518651374	17.424884364	-7.572472090	9.027385965
## 150	0.3846374786	-6.859810957	-2.142986875	3.746558085	3.127231536
## 151	0.0992884135	-6.652245722	2.879034647	-10.199629046	-2.007718769
## 152	1.0624564825	0.178589163	-1.579185011	-6.073041262	-4.328384158
## 153	-0.7083294703	4.782118719	-4.878718810	-0.415667231	-8.783684486
## 154	-0.0780275610	-0.862244468	-8.561732060	-3.859546579	-11.510306247
## 155	0.2124080828	2.182640826	-7.039099961	-0.028089458	-4.736036351
## 156	0.4508064449	-1.700829819	-6.528237889	-4.990276218	11.331327513
## 157	-0.1177663449	-2.555645320	-25.076462432	5.889311794	-0.032898470
## 158	0.7357180715	12.590483712	-8.884729716	2.012990536	-0.440456345
## 159	0.0218969194	1.412494852	28.089280260	-5.694932837	11.390890473
## 160	0.0554573583	8.529900002	27.006708640	5.666676140	0.086544971
## 161	0.0388635419	2.570868166	2.365286853	12.732676703	-8.843061789
## 162	-0.2240143824	-3.535218081	-13.632673235	-0.874669409	-2.094527317
## 163	0.1869543666	13.093742558	-2.827467357	8.878049440	5.919299151
## 164	0.3518839187	-4.275642911	9.060913592	9.246243991	-4.438769075
## 165	0.6043432371	6.616349404	11.949796727	13.364803575	2.765838571
## 166	-0.0908651320	0.308833482	16.510642243	-7.521974291	-0.702018631
## 167	-0.1755491129	-4.625858062	17.749666073	-1.469339341	0.382982017
## 168	-0.2885695741	7.509643683	10.447447288	10.237283305	4.115967223
## 169	-0.3171507150	-6.974538078	-15.947052588	-1.146890343	-13.091980519
## 170	0.1173940405	3.459566851	14.115365897	-3.642311320	2.451947638
## 171	0.4535320698	3.631378563	-3.291998115	3.285365203	5.820345725
## 172	-0.2784075573	-6.947817238	-5.814034395	-14.330197059	-9.584471245
## 173	-0.4110685438	6.285932286	1.154814605	-8.325720775	4.362047435
## 174	0.0728745655	-0.816240870	-24.866583734	3.319448226	-2.840787201

## 175	0.0706442900	-13.887013327	15.729974935	-19.553342519	6.056291161
## 176	-0.3771987143	-6.468313139	0.868085510	8.371815453	-9.394867473
## 177	-0.5837882642	5.657068655	4.133162453	-0.606407959	-10.811661003
## 178	0.0815722404	-9.682811085	13.016747942	-8.965133696	3.712804770
## 179	-0.0483286284	7.539198508	13.179478658	-10.043046702	-4.153264473
## 180	-0.4715715708	-1.458418249	-6.282151647	3.365004119	-11.724622246
## 181	-0.2072131511	-5.443917469	5.854795663	6.262412315	2.544029359
## 182	-1.0495381074	-3.373990550	0.793896054	-3.822278998	-4.615781416
## 183	0.1239405795	6.321035770	-9.099172306	1.257156929	-3.873912434
## 184	0.2363499154	0.325923071	1.760547600	1.251024438	-6.081043269
## 185	-0.2728420948	-6.239680605	-5.909078085	-3.196289633	4.877912289
## 186	0.4674978050	-0.687683916	3.130109794	-22.793216061	8.519058241
## 187	-0.4211864551	-4.951576529	17.680685993	-10.871870255	-2.667627898
## 188	-0.0273821446	-6.784471943	-2.511670016	3.874094844	-3.981288092
## 189	0.7568968808	1.509055027	10.555349623	-2.296845872	2.064425322
## 190	-0.3819747714	5.690491331	8.738544489	-9.435736128	2.957298123
## 191	0.0656564027	-9.585026475	-8.746191242	-3.654384166	-6.231200250
## 192	-0.3077593951	-0.459694110	15.798674369	2.624299025	2.651637610
## 193	-0.4778301797	-5.151459144	-30.594978533	10.213157748	3.029440844
## 194	-0.1342584176	-6.626363203	-17.074255397	1.523304184	6.375585301
## 195	0.3010435927	1.905639952	-15.589737480	-13.556569612	-5.740476453
## 196	0.3839976734	4.224619216	12.826575393	9.813428449	3.972369216
## 197	-0.4213495338	-8.936694344	11.899431900	-6.833737281	-5.395741032
## 198	0.3256640629	-4.466824245	7.029124405	6.246099556	3.261662651
## 199	0.0660035849	6.379373995	-7.346370772	5.822672237	-2.222712015
## 200	-0.3368861362	2.314816242	-0.362868674	3.649081808	-1.013094888
## 201	-0.6385699112	1.753858307	-13.583371512	-0.187037219	-8.669529905
## 202	0.4343284272	12.401942556	16.064451670	-2.449312760	6.291511396
## 203	1.0361633660	-6.178181394	-5.905041848	4.195522157	1.126546480
## 204	-0.4017093148	-9.907252338	-1.975452875	1.046935291	1.352514225
## 205	-0.4084298337	-3.453979469	6.464510405	-12.869937711	-4.037260405
## 206	0.0083956842	14.735869380	4.032266529	4.200105780	11.598449768
## 207	-0.3180986610	-3.965207220	-15.470263344	2.936122726	-6.771150280
## 208	0.2968937358	-7.561228752	14.121045741	2.970142996	-10.034648157
## 209	1.1785833144	1.165719275	13.412680922	4.337310083	-3.128883697
## 210	-0.2460834470	8.773247246	-4.567231442	1.211840325	5.462875553
## 211	-0.1437946208	14.489830513	1.613287425	-0.600736262	-1.063162922
## 212	0.3219356645	-9.282189690	7.662409674	-9.499916763	1.553907527
## 213	0.4459996388	-4.203009427	-9.415690847	-5.961595233	10.703536542
## 214	0.2529444527	0.431276329	-16.292047291	16.354208374	-7.074430662
## 215	0.0321294334	3.336616966	-14.761993098	13.249277727	-1.862383683
## 216	0.2969627826	6.726507321	-33.700722521	-6.028961621	-1.054423735
## 217	-0.5925897696	1.655228779	-11.550081825	10.208599852	-9.545573294
## 218	0.3228363666	4.720626951	-2.907488413	4.762106009	-0.482760135
## 219	0.0205394129	11.764436020	-1.248202337	-1.437702437	1.336683473
## 220	-0.0981502177	9.283044113	-14.830440796	-7.250807015	-7.694090917
## 221	0.4053848167	-7.829327631	-5.919914705	6.683509117	2.776855591
## 222	0.4950504821	-0.781035602	-16.206295474	-3.060967303	-3.951711988
## 223	0.2567428090	-2.651139796	1.286472030	-0.880555416	-3.223981733
## 224	-0.2923467564	7.849920415	-3.281219440	-0.119442982	8.112049951
## 225	-0.0001778854	9.229827035	-12.099126748	7.567439699	7.521168810
## 226	-0.9213234824	0.838323014	10.142198508	-1.254740389	-6.004878048
## 227	0.0089693957	-3.548859987	2.167274808	-8.116648730	-4.996381745
## 228	0.2466940663	-8.175079444	17.229022222	6.606154204	-8.929578625

## 229	0.3134237816	-13.111076555	0.028943737	-6.148437913	7.044962324
## 230	0.2245819891	-0.915560235	-20.327437777	-11.336211458	1.354039303
## 231	0.1305550340	-10.662985067	-4.860570222	3.149395520	-13.733254961
## 232	-0.1233429903	9.144573200	3.921268188	-2.114900316	3.447062212
## 233	0.1188433119	-5.019212219	-11.674449974	-9.117670107	-8.113439573
## 234	0.3633957212	2.278096372	5.730685311	-17.016869802	-6.919025272
## 235	0.4863090104	6.264489701	3.690228848	-18.958842284	8.868063019
## 236	0.2969101260	2.234405486	-3.274898723	-10.112256482	0.418906806
## 237	0.0307740057	-3.934139324	0.273365568	-7.665023195	0.503475691
## 238	0.0735492726	-3.630429828	-17.105485123	-8.798470718	4.929323600
## 239	0.4119897059	14.662371979	15.896962105	11.683229460	11.570514316
## 240	-0.0714378564	-1.847469206	6.141170586	-9.716881525	-1.517765227
## 241	0.4948175128	-3.814770007	2.552823495	-4.196029777	10.061980295
## 242	-0.0961028036	0.813602706	-9.727266314	9.959862339	-5.749642353
## 243	-0.3007121452	6.010816108	-19.852232761	0.175047966	-8.515597045
## 244	-0.1871043700	-5.729934546	-13.846786149	4.252776152	-0.558999619
## 245	-1.1345920669	-8.090672687	-9.496987206	4.045107170	8.919195522
## 246	0.3829575768	-4.775458037	-7.858877192	-16.972925095	2.905395843
## 247	0.3748977431	1.226976808	17.619622853	-7.462395159	0.624195254
## 248	-0.9543099802	3.218836451	15.030496782	-5.314248277	-3.143892782
## 249	0.1187639471	-0.534780444	-7.576272245	0.661223083	-7.118278820
## 250	0.2483507743	-9.942049431	-12.751658006	-6.922793843	10.429434608
## 251	0.5485009960	-2.168496836	12.009263790	-2.676316687	6.924721541
## 252	0.0144060169	-3.993962284	-7.051611998	3.467415055	-3.310901452
## 253	-0.3069780172	4.703242835	12.650875618	16.495406372	-8.357021887
## 254	-0.2312675405	1.652760278	-4.916637626	-12.843133886	1.418627329
## 255	-0.2401525488	-6.120419318	5.799085254	9.424599596	1.857413990
## 256	-0.2711514116	9.970226125	11.309716345	-0.407215778	-2.065962434
## 257	0.2300107573	14.881580984	8.469937892	-11.114410948	-2.245998236
## 258	0.0659375896	-6.512791048	-7.845745345	10.015897916	5.440794114
## 259	0.1203564099	1.039813656	6.702969176	0.019674597	1.452883647
## 260	0.2910337802	-10.507494499	6.488719664	11.595619138	-5.384845989
## 261	0.4137158150	4.932048574	-25.783487881	10.235730319	-1.583596964
## 262	-0.4502991028	-2.095128231	-16.696246401	-1.441135351	-5.075390289
## 263	0.3974142177	7.999128726	8.503962349	2.102008287	10.709200067
## 264	0.0266413968	-1.554993204	5.281147875	1.780717260	-2.292214347
## 265	-0.1911126688	4.645740723	-12.248413594	1.514895546	2.596876116
## 266	-0.1406793348	4.525189642	-2.901562406	10.901788290	9.741162315
## 267	-0.2054274703	-14.044521909	39.014515012	9.782948994	3.137599835
## 268	0.0084056743	4.663988215	5.116314902	1.849173039	-2.827737014
## 269	-0.1595681425	-1.884673160	8.508169022	13.392769465	-10.399167051
## 270	-0.0697715513	NA	-4.459919703	12.222371955	5.104225274
## 271	0.0538140229	-7.712980768	12.843094241	-2.810944058	4.833105368
## 272	-0.0519321260	3.374060319	-11.047333405	6.343103035	-0.129749110
## 273	-0.6037676088	0.801754687	21.045756969	-0.483062322	-5.399798515
## 274	0.1641112655	-6.153786310	13.287422356	4.196200110	-5.260628504
## 275	0.2175650109	6.533275305	14.725589971	10.827606987	3.426709114
## 276	-0.1577535757	-0.205543534	-0.691725439	2.859171041	1.561859853
## 277	-0.3519835279	7.244571927	12.683400899	-8.702181952	-8.038925542
## 278	-0.2246116082	3.738360345	-1.848420945	3.325622206	19.541128018
## 279	-0.2604019028	7.179944540	-13.273020099	5.625070090	-2.260759525
## 280	-0.2016986527	7.494334145	8.340790860	8.927624623	5.670555548
## 281	-0.2883058414	-0.015815394	-19.302533620	-1.528906633	-5.837237456
## 282	0.1319691170	-2.305428365	-11.911670839	-6.527819002	7.842966804

## 283	-0.1947228069	-0.407335607	1.347256787	-11.387275864	3.685591341
## 284	0.0013627558	0.882417065	10.299949378	5.784063671	-5.569149611
## 285	0.4024045821	3.533473105	-10.658763576	-4.909747694	-0.332683814
## 286	0.4893930377	5.275487435	1.173737540	-12.003322870	-4.500100128
## 287	0.3094572385	3.339940781	8.467953019	2.574206418	-1.065734301
## 288	0.1824883978	6.592190634	-9.629877779	-0.906056605	-2.522792123
## 289	0.1544519187	-8.154973740	4.804881612	10.060911692	1.153938569
## 290	0.5396880355	-7.179080898	1.431195375	0.111901413	-5.087511247
## 291	-0.0060347624	3.996559480	11.386243312	3.584382550	-7.000088610
## 292	-0.0575831320	1.313531642	-0.096032907	-10.171773811	-4.143762006
## 293	-0.3006351212	-2.935439355	27.302058419	4.750034539	4.593721183
## 294	-0.0829880543	-10.705486383	11.590622663	4.000703206	7.592938224
## 295	-0.1290978214	-5.833861263	2.418151225	-10.801796576	-5.740502822
## 296	0.1107106732	-0.314090199	4.117204050	5.593861608	0.911063914
## 297	0.7005792717	-0.561438766	-3.050404224	4.533887113	-5.801401834
## 298	-0.4430362515	-7.577959487	-7.720331743	-5.486178894	-1.150825825
## 299	-0.5839420736	0.433307652	2.434069634	4.818384513	1.277261075
## 300	-0.0348065790	-14.737371906	9.188315412	5.463461256	-2.149891216
## 301	-0.1789669399	-6.761139215	4.551732902	-1.652386740	12.555768289
## 302	-0.3420410356	1.814419513	-0.844887282	4.904791238	-4.842522769
## 303	0.0503227797	-0.710939798	4.396975533	-10.849058870	-0.708332409
## 304	-0.4765663798	7.815999363	9.131592746	-0.464196920	-4.728679694
## 305	-0.0937014219	11.436205785	-7.399561541	-2.723668194	-3.761989983
## 306	-0.2897320591	1.369730881	22.368825958	27.622508181	-1.078426594
## 307	0.1243717827	5.021492480	-8.011175140	1.036582026	-2.012927594
## 308	0.2809634993	-3.470860255	10.177728477	6.428295352	1.464769563
## 309	0.3527753811	-0.327240505	-12.595228628	9.753987398	-1.515874658
## 310	0.1441952663	6.018176035	-7.604967436	-11.649870627	3.117385000
## 311	0.4629405197	2.471175417	-0.985056767	8.777211550	7.085934079
## 312	-0.4302766606	2.033357349	-15.985253376	-4.167732422	-6.889610062
## 313	0.0156170339	-3.990413995	1.255467708	-2.099772027	-3.796967021
## 314	-0.0144919601	-0.634636358	12.847507193	-2.312075925	-1.826170221
## 315	-0.7820324729	-14.992712928	12.413740178	-4.185415746	2.784136528
## 316	0.0753515132	-3.166315244	16.203734685	7.933146695	3.728744719
## 317	0.1367146567	-18.562992475	11.598393518	1.938766233	2.779590772
## 318	0.0823495008	-3.921398841	-12.955672695	-3.699238953	-0.801493929
## 319	-0.3439346191	-8.224313169	-6.284220993	-4.614283012	-7.539507489
## 320	0.4280312975	-0.308100873	20.884291637	-7.928279462	3.576788980
## 321	-0.3498001573	7.686910243	-1.649476232	4.329984305	0.568371997
## 322	0.2640345250	-2.613359839	8.518821560	5.518380400	3.983512950
## 323	-0.4175828769	2.841180714	-21.517323133	-0.739788110	-9.879456599
## 324	0.0829913620	0.733894513	19.424384261	-0.426941248	6.859764584
## 325	-0.1707374588	-4.934579991	4.050035090	4.104458527	-6.252907380
## 326	-0.1057313963	-2.579686891	14.007082864	-6.407417798	0.504296653
## 327	-0.1581775830	0.228532155	9.039812223	2.627405864	2.255236008
## 328	-0.0896187168	-1.364839604	-3.308870736	-7.245512700	-6.845794579
## 329	0.2429600185	7.183682197	21.145902082	2.042366438	-3.810687596
## 330	-0.0653686109	-0.847188918	-7.415680712	-2.153316545	2.908650185
## 331	-0.2386537295	-7.945073087	-25.998806988	-2.304561407	-12.534433575
## 332	0.1833440169	-0.475321169	4.247300367	-8.899634474	12.119816391
## 333	0.0597761992	1.325266269	-0.610759612	-1.752135228	-1.285843141
## 334	-0.1833045462	-10.935518136	-9.864334215	-12.674126149	-2.717581997
## 335	0.1459757149	10.336761534	-22.116944380	-4.079469650	-0.754693134
## 336	-0.3078140182	-1.933937807	19.511961972	-1.066393060	-2.096425476

## 337	-0.1463935471	0.509201765	-27.192609402	3.170706704	3.189113685
## 338	0.0332878795	13.533726151	13.977956613	-13.749031126	-7.040372706
## 339	0.3998962387	10.539100049	18.440272177	10.732537217	-2.457823954
## 340	0.6591192361	-5.630532108	-7.322367020	1.408330364	6.727970538
## 341	-0.0913923230	-1.608665684	-1.674036757	1.430593842	-3.030609921
## 342	-0.4308731992	-13.819410846	-1.450901150	-12.732050320	-3.528105780
## 343	0.1428952349	7.082820172	-8.334057559	-4.892832214	-1.015689474
## 344	-0.1951693253	6.020619452	0.342679030	-13.234992776	-1.393621468
## 345	0.3010293819	-2.382233726	-16.614203116	-5.147611565	0.109985365
## 346	-0.3471315246	-4.024002245	-34.084467426	7.093421274	-8.730928541
## 347	-0.1644614653	-13.489704697	-10.224435328	-8.359981333	-1.042321429
## 348	0.4481517010	-4.337563274	-25.700173397	-11.361030206	-3.538540330
## 349	-0.0150146340	-3.454366343	11.609135500	6.783752328	-3.138158800
## 350	-0.4264741367	5.477984071	20.583758525	2.102972898	-0.108018693
## 351	-0.1659326574	10.882207672	-17.901935887	0.129210855	0.704835579
## 352	-0.1147781849	-1.135202463	-7.347492769	3.840323895	9.027418856
## 353	0.2870697886	7.984780441	23.745884649	-5.727886321	3.677138572
## 354	0.3784545054	0.481045802	-6.891411865	-7.748379141	12.627633734
## 355	0.4546505452	-6.686878221	20.907518490	-4.665750302	3.426673610
## 356	0.8340453384	-5.746166358	-14.754759005	-3.478201990	4.376255170
## 357	0.1105462289	7.029525949	1.979289035	2.858958096	0.716521928
## 358	0.2409203291	4.556124509	-9.720418362	5.387484704	-11.469616476
## 359	-0.4198741979	0.169604393	14.778806975	2.523680695	4.804827687
## 360	-0.5127975136	5.139343101	24.957848573	5.215855554	4.932688225
## 361	-0.3630490642	1.030662361	30.230301585	5.548703008	-11.995541745
## 362	-0.1530169432	-0.164809729	-12.146294043	-2.277089153	-6.240978785
## 363	0.3261200357	-9.987947105	-16.561822358	-3.875239974	-21.587834002
## 364	0.1200349546	8.723332727	-9.074109530	16.060893318	5.055904097
## 365	0.0072711388	6.731533231	-15.820817219	4.670110841	11.403247298
## 366	-0.2258289623	0.837092108	-10.587617090	-14.845517982	-11.006390279
## 367	0.4356358379	1.166313184	-22.275268095	3.463363351	3.054582628
## 368	0.1437189402	-7.391913809	-3.542422901	-8.110328686	13.529844705
## 369	0.5959286659	1.127044343	-4.696278386	6.793695894	-14.595258157
## 370	0.0076907873	9.601731793	10.343588554	3.534635577	4.154355709
## 371	0.1653076376	5.310486019	-10.985627483	2.305095011	-3.529426067
## 372	-0.5131531397	-3.222879271	-14.823468862	-16.179134965	1.084101492
## 373	0.1711211289	14.356555347	2.481557960	8.295427950	5.351207907
## 374	0.3825223989	-0.884618165	-44.883514357	7.698213307	13.319196398
## 375	0.9449828971	-11.180509035	13.702131295	14.924008322	-9.057531838
## 376	0.3537136488	1.274275585	-2.081004599	-0.077873478	-2.972553373
## 377	-0.4380945609	10.295396115	-19.399403603	13.584842138	-3.091267049
## 378	-0.1978927586	1.423251860	25.251590881	11.052598715	-5.722526981
## 379	0.0011025744	-2.492260448	7.978538324	4.494066019	4.438107219
## 380	-0.6706431171	13.467580780	18.840024741	-18.393308068	-6.608602622
## 381	-0.4376304108	-2.753683523	-25.736524126	10.060373818	-5.986518493
## 382	-0.6795632074	1.521285162	7.091598448	-10.124115941	-1.506928951
## 383	-0.0591916195	-7.355136932	15.816163759	4.787658070	-7.528099460
## 384	-0.4126705781	-1.609101390	7.737220294	8.230514061	-0.131341546
## 385	-0.2151675603	18.312631043	-20.439087827	-1.412376319	2.361588187
## 386	0.3416235671	-3.990714008	-13.563631809	8.079833769	-0.948257372
## 387	-0.3001886547	-2.037308523	22.370822299	-2.077657556	11.651415670
## 388	-0.1568679972	2.402053511	-10.201407226	-8.666653570	3.968068687
## 389	0.2249846935	9.214815793	8.834555401	-9.225904091	-6.865115082
## 390	0.4020458323	5.706388821	9.529549417	7.828694650	5.536130215

## 391	-0.0692498305	7.975242624	3.834683828	16.288470023	6.751596554
## 392	-0.0093585874	1.293765213	-8.835750649	-4.464524835	8.634053548
## 393	-0.1150401419	6.052689820	3.869487059	0.765165013	3.304060127
## 394	0.1604393181	3.632453902	-6.484920504	0.776174272	4.848284277
## 395	0.6299523046	1.072870633	-14.213468182	8.177348826	2.266453590
## 396	0.0857833830	-9.962510479	-6.543346357	17.926673223	3.948462041
## 397	0.5706163833	10.039669227	4.589883726	17.031411893	-3.552501917
## 398	0.4435897692	-8.763529746	-21.822101741	-2.286248630	-1.857840711
## 399	0.0413702647	-3.108860281	5.434333401	-0.169469621	1.529647865
## 400	0.5757928484	9.076042427	-7.415292554	0.214737575	-2.512662640
## 401	-0.0650330879	6.329161270	-13.497952471	-19.691514881	6.663112035
## 402	0.6046875718	0.289603517	11.236786446	4.939508893	-5.365174508
## 403	0.3334879757	-7.802519844	-19.886965651	-7.112727935	-12.020171836
## 404	0.2980051652	-9.220509039	5.931261256	16.628548830	10.944689826
## 405	0.2091864700	-5.989403603	1.665761355	-3.885557392	13.107792658
## 406	-0.1707643973	5.826489650	-2.079465229	9.770469577	5.847144295
## 407	0.0058273929	10.438633783	0.052741664	4.857302002	2.695537293
## 408	-0.5266751349	14.853954666	16.939037937	0.465836520	-1.461575586
## 409	-0.6000929940	-2.650276556	-9.005961147	11.045242435	3.863407814
## 410	0.2549352781	-1.752180796	13.964042780	-5.037331262	1.317631711
## 411	0.0619964391	-5.529285186	4.886407119	-8.614510285	-13.362185388
## 412	-0.1203689692	4.427366571	23.098912311	-14.229623397	4.547642277
## 413	0.3475997538	-10.585965283	11.985828610	-13.820091649	9.626491306
## 414	-0.0053673991	-2.347506553	-5.399571238	1.568068882	-9.988726253
## 415	-0.1128169367	5.557664656	-5.020500354	-1.719460857	12.346170035
## 416	0.0555849886	-3.138462733	-10.438898607	19.525548454	14.176071985
## 417	0.3236742187	-6.343051767	8.291664047	7.828218838	-2.876599598
## 418	-0.2657561808	-5.176342822	-20.553151314	-3.582801061	3.158192416
## 419	0.4149429845	-0.712599823	4.439151354	2.284213706	-10.326574449
## 420	-0.1345693834	2.229329565	-6.663440195	-2.118971086	6.452508329
## 421	0.3128461121	7.088900101	-4.900079515	5.134304316	-3.180567035
## 422	-1.0243940668	-5.830690530	-0.100541134	18.479211063	0.110452119
## 423	0.1464179158	0.211675605	18.120662958	-7.072463537	-7.879168323
## 424	-0.3253800330	3.077577456	-1.544094293	3.766582061	2.017361856
## 425	-0.2762798428	-2.792193420	19.305355859	-16.580233173	3.016284162
## 426	-0.4269393578	0.328129636	-9.153057653	2.223679107	14.943914167
## 427	-0.0345750191	-10.337466184	-7.563147816	3.037941051	-8.232710089
## 428	0.1035111239	8.254747443	14.532685320	-10.943751259	3.116576280
## 429	-0.2775890405	3.314608899	-19.215241048	5.820631649	2.983422234
## 430	0.1416482836	-9.513582624	-12.997903238	8.742729139	-6.782018513
## 431	-0.2215949068	-1.061192828	21.826863570	16.514215048	5.619845658
## 432	-0.2782678470	11.305007655	-2.521021325	-5.818070692	1.750865751
## 433	-0.0605409360	-0.194760065	-11.545212381	-12.982764666	4.168314745
## 434	-0.1967317043	2.776512941	-1.927417786	-6.055761646	0.807438485
## 435	-0.0986242793	-0.847050258	-13.112408794	-13.830004295	-4.036090973
## 436	-0.2434858674	14.889972240	-9.946302753	-0.023531796	-2.924893530
## 437	0.4036328238	-9.964452877	3.700623680	1.842340897	7.660169882
## 438	0.3126494936	19.137888344	8.342955004	1.398158682	-9.510575722
## 439	-0.2061128518	-6.860077415	21.337998292	-5.398550093	-7.727509308
## 440	0.2996128417	15.620768368	-14.842329931	-0.675512436	0.417319443
## 441	0.0684346287	-1.319124966	-21.852533868	-18.925900920	-4.391644103
## 442	0.1158474344	-7.325093164	-14.273702920	-11.024058639	4.258308737
## 443	0.1770760054	12.910356764	7.944656159	5.741966959	-13.734043033
## 444	-0.4216014818	9.232847990	-14.412850750	12.138523578	9.841662075

## 445	0.2255053415	-6.383559171	16.128681281	-4.913695575	-3.337452742
## 446	-0.6659776485	-4.298841217	-19.117548769	12.067217043	-1.099647989
## 447	-0.2154756281	9.132038557	-14.163036192	2.915381977	-4.464819214
## 448	-0.5402702756	7.443593212	-12.189831097	4.733449486	-7.279377870
## 449	0.0079705826	8.617274593	-11.328663035	11.757916305	-4.892969917
## 450	-0.0012095767	-10.976063251	-10.657363367	-5.952572504	-0.310556210
## 451	0.3255230488	-4.983171532	-2.137752904	-4.254466929	-0.116785863
## 452	-0.6597185418	-8.088343678	-14.667418461	4.066986668	-1.326574723
## 453	0.0075619315	-3.538108967	-4.307843837	3.801504530	-19.902540671
## 454	0.7781010483	5.353779917	9.401717332	-3.664200533	-1.495035647
## 455	0.3333874398	-12.432381894	9.462003226	-9.022284433	0.117292263
## 456	0.2437706002	-10.287109400	-15.877711124	-12.221717249	-3.444220310
## 457	-0.1792203016	5.147126017	-15.301113516	-9.976755495	-5.388632092
## 458	-0.2511346312	-0.167611584	-19.033410748	-4.415197184	-7.277640599
## 459	-0.0049103625	2.312801081	0.002774805	6.739470475	-0.962098782
## 460	-0.2042729202	-2.510884984	-1.438982548	13.600646702	3.176121792
## 461	-0.1180330064	0.678068982	-7.413696889	-2.433271890	2.029921644
## 462	0.0821002233	-8.612104861	-5.415294737	-9.471873935	7.532388729
## 463	0.1867426481	0.826196151	6.745639874	0.880874683	-7.447601954
## 464	-0.7577015720	-5.363499114	1.427953026	-1.202525192	2.759616854
## 465	0.3218146791	1.845484492	12.531416807	-8.752486081	5.372348894
## 466	0.5666809024	0.691372885	2.924031141	-0.449816175	-4.752344205
## 467	-0.1423097707	6.464201384	-2.802195112	-9.954410333	-3.809629734
## 468	0.2537304093	-2.948015355	5.217092557	-1.008623792	7.994538813
## 469	-0.0125641786	7.897496128	9.436121874	6.576791394	-9.527757513
## 470	0.2259371533	10.829745663	17.806654513	26.759803299	-4.008715937
## 471	0.6237063954	10.982757779	-16.265592493	4.398975098	-3.330561355
## 472	0.0918208782	-3.858544075	-15.971162013	7.983837083	2.597221281
## 473	-0.5806637971	-9.283883682	-14.319694715	-9.973505900	6.886820660
## 474	-0.0993709657	2.956461633	11.521303783	3.116413520	10.323391417
## 475	-0.2917396680	-1.087730153	9.543157855	5.034496550	4.797303176
## 476	-0.0997910597	-6.099574675	-14.646396916	11.452769403	7.877574320
## 477	-0.1903776665	4.517768223	7.097912805	-0.486469078	2.395696523
## 478	-0.3553435300	3.679201301	-23.956506000	4.517173345	3.196529310
## 479	0.4623513503	0.102315581	5.679132529	-5.792982119	-9.695813743
## 480	0.2178711309	-6.677530609	-8.534033429	-0.834201233	1.507021711
## 481	-0.0986537451	8.187160659	-5.384850885	10.850516687	-19.972971474
## 482	-0.4709834922	-0.752589756	-15.745284354	-4.348111953	3.841467830
## 483	0.7194806778	-2.786083127	-17.723240012	0.920934122	-13.321521232
## 484	0.1391665903	7.862457871	-4.920386822	2.736706799	-5.768652616
## 485	-0.2240349463	-5.517045102	2.283170964	5.322510559	14.640985489
## 486	0.0077516700	3.076256532	10.650005189	-6.848655779	-0.666641265
## 487	-0.2480952014	2.305842744	26.169565373	9.870132899	-2.664232581
## 488	0.1048693044	10.456730564	-0.001982616	-1.254613886	0.428428936
## 489	0.4196190640	-7.408991331	-3.152391667	4.659391752	-0.875793608
## 490	0.4022273648	-10.556918110	-14.049689381	-2.560976171	14.661759096
## 491	-0.6988961182	-5.585511609	0.892150410	5.781588065	5.793248844
## 492	0.3892056551	-8.002193351	0.696241790	6.286362855	11.733926345
## 493	-1.0429815283	-4.251007931	29.107122022	1.141506506	1.280101607
## 494	-0.8937291244	-3.446697771	5.034783988	2.595182686	-6.113018181
## 495	0.4276236226	13.635014442	-10.195130976	-2.064326439	-6.582714536
## 496	-0.3392149717	0.884501666	-13.741559314	3.058468337	-6.210058641
## 497	-0.4074222650	-2.810178700	-7.044138379	4.297640992	-1.904231129
## 498	-0.0441586785	0.250815665	3.253343026	3.689218652	-1.181890479

## 499	-0.2954545530	6.244596191	14.370094154	-8.212153238	5.670231592
## 500	-0.4725569547	-0.194565944	-23.934771489	3.922361428	4.046662179
## 501	-0.4130835991	2.477824462	7.703639725	8.851300031	2.072091676
## 502	0.2947862278	0.738895957	-13.335114404	17.585776184	-1.916763881
## 503	-0.1199880286	-0.809687963	-18.549558451	-6.064099073	2.162019968
## 504	-0.4701307311	4.261361778	-4.385685851	5.150403378	-8.504258099
## 505	-0.3621609993	-2.435385018	9.155587009	-3.017980671	1.383051795
## 506	-0.1802746712	9.467530040	16.853588422	-14.108803254	-0.932699166
## 507	0.2159547642	2.109239729	2.528600487	-7.831730804	-10.174084566
## 508	0.1299865936	-3.542649470	11.289819554	-5.034107121	-6.982695080
## 509	0.3527595678	-0.399897514	8.517977512	3.633697160	5.854226313
## 510	-0.3549447062	-0.770628416	-20.156026758	-0.746072420	-3.258361022
## 511	-0.7119191403	-2.325599585	13.437641755	11.309535359	-8.421196636
## 512	-0.6859977332	17.974788272	-8.003054676	3.328766686	15.573136666
## 513	0.1084979230	0.004812728	7.066939986	7.390931250	-5.517788290
## 514	0.4179043223	-3.047276640	-16.160895896	-17.443615921	4.043491179
## 515	0.2797662574	9.555287487	-9.781073609	-1.692113498	-6.297491010
## 516	-0.3978977088	-11.479053901	-0.917304654	-0.073377423	-14.182977850
## 517	0.0168180013	-3.969103534	9.938654820	-15.778982286	-7.161565804
## 518	-0.2303511865	12.959345549	-5.481875689	-10.285899226	11.787726350
## 519	-0.0126731931	3.046593791	-0.824264988	4.811270472	2.916670286
## 520	-0.7182713384	2.441081573	-8.881558237	-1.243217542	-7.569457470
## 521	0.0493503295	-3.661430259	18.341125664	1.712399902	-2.709764040
## 522	-0.6488123118	0.168744145	-7.362626958	-24.626269589	-3.026095832
## 523	0.2434180080	8.264404792	3.894016725	2.506720745	6.165849296
## 524	-0.2378129981	-0.206004496	-9.142331998	12.742844860	-9.655403244
## 525	0.1954008832	-5.038898201	-0.683638458	6.337497093	-3.202971807
## 526	-0.6752687268	-9.347904032	-14.179779692	7.998815852	-5.740665370
## 527	-0.0275822016	2.471953660	-0.132877599	0.031946007	-0.397178346
## 528	0.5211684950	-1.689112957	10.357398660	1.365299755	1.700914242
## 529	-0.1623003928	1.569431328	12.825623122	-5.078160627	0.390347691
## 530	-0.7205299997	-4.398438014	-0.314796705	-4.393799849	-6.966282482
## 531	-0.1558841321	-2.021510385	5.134847041	2.159857903	-9.566944478
## 532	-0.8114699351	13.253548319	-18.669441058	-1.502683143	-3.303327591
## 533	0.2283836639	0.383091870	4.441755042	9.132019265	5.203973433
## 534	-0.6754966268	-12.400729325	-27.585948112	-13.581518330	-2.764330772
## 535	-0.0749129597	10.327315775	-13.789942437	-4.565800993	-3.066152081
## 536	0.6940931826	2.220617733	-2.243528761	10.422346865	0.620054671
## 537	0.2267543669	-1.444185920	18.481068749	8.461380689	-2.391633643
## 538	-0.2902924175	9.415353576	3.010227803	8.211629389	10.213842161
## 539	-0.7090409176	3.691156523	-6.984828295	-5.982122979	5.806729991
## 540	0.2380467555	0.342362759	26.203625996	10.703376410	-2.609554021
## 541	-0.1898255493	-1.054621664	2.437228563	13.872785303	0.756221435
## 542	0.1195673412	-13.990101294	22.033221382	-6.730870404	1.464086772
## 543	-0.5669608923	-0.395927435	5.683793618	0.895945995	5.223125252
## 544	0.4597077477	-7.274605768	5.863690134	-14.391496319	-1.879152358
## 545	0.1389928326	-0.455276850	17.905972200	-6.408079534	-1.142244419
## 546	0.4852165841	0.101314221	12.278775054	22.846210467	-6.865763782
## 547	0.0096714597	2.111711701	16.006213268	15.017273582	4.838246722
## 548	0.5878438734	-1.368671707	-19.595113891	9.056696646	-8.710356201
## 549	-0.1461407502	6.433256177	-5.580787737	-8.354888221	3.379950604
## 550	0.4187414351	-4.668672793	3.757441289	-0.061495675	11.324116729
## 551	0.0217601378	-1.743765065	6.217489078	8.272913206	-4.936302912
## 552	0.3561946116	5.820738130	-8.195684272	1.972439659	-2.296306011

## 553	0.0512554603	5.722124465	8.290130117	-8.699088531	-1.276692352
## 554	-0.3280585820	-11.394362163	-8.605484256	-7.495839821	-8.749944987
## 555	-0.2175786309	-15.631533726	22.750270587	8.935014631	-0.071794286
## 556	0.3307211877	-3.554778735	-9.575360735	-4.256955445	-5.144593297
## 557	0.2189986515	11.032544002	9.584165674	-4.186076947	5.903341229
## 558	0.3844410124	-0.244237701	8.541229546	7.298106185	-1.636821777
## 559	0.8145028017	-7.148961511	-23.013914117	-9.853180195	5.394312084
## 560	-0.1624727624	-8.033729786	-15.150079753	14.139022613	-3.508612187
## 561	0.2818896419	-5.727339002	8.059751561	-0.089816425	-8.410932955
## 562	0.1999897293	-2.721260950	-7.860078076	0.757699137	5.309114280
## 563	-0.8566768431	3.531102107	-10.005912358	-7.035176201	-3.019805105
## 564	-0.7827731437	-7.292813226	-18.259618488	-2.296466955	5.298726785
## 565	-0.0346277832	-2.356879837	14.194977854	3.038067312	-1.680826828
## 566	0.6216888903	-8.731037588	-2.298047696	15.917103336	-2.458618451
## 567	0.1270198093	-7.659738569	15.401372506	6.766059109	-3.139497322
## 568	-0.2059940000	-0.381339137	10.572754715	0.438418932	-4.660603074
## 569	-0.2717044375	-8.797843124	-5.616987540	3.338186826	0.963824635
## 570	0.3808086046	8.257254387	-14.349528256	-13.794019785	-8.997239976
## 571	-0.3229276654	3.037967384	16.080497625	-0.152352783	4.971238432
## 572	-0.1926400784	-7.826789467	-11.837179185	13.097310856	5.377130993
## 573	-0.2428298964	2.644233894	20.581415848	-1.876166294	12.172220211
## 574	0.2720877232	2.908309359	-18.353994590	-0.947515779	8.802743812
## 575	-0.1307903779	-7.744368270	-8.843890335	-5.750261845	4.602261069
## 576	-0.2016288890	-2.632179497	19.997522305	-3.360044805	3.964719698
## 577	0.1786606670	3.065421728	12.876364554	0.656995404	-1.722787101
## 578	-0.6198527611	6.388411009	-20.743528680	-12.172423103	3.773231535
## 579	-0.2891423635	5.732552240	24.295991069	-11.999580976	5.867456890
## 580	-0.0242311657	9.685795138	14.775605515	1.867114685	-5.647389574
## 581	0.7161435589	8.616952411	6.429326732	-3.071263630	9.048731689
## 582	0.0660502415	-1.802490023	-17.172601900	-5.381768697	-0.928584384
## 583	0.3466580272	-0.419321464	4.862979177	-10.408801897	-2.309916859
## 584	0.9743150739	2.804264068	7.266481926	3.169098263	-1.191277516
## 585	0.5563261897	1.401835442	-14.150104335	-5.031108629	-2.191141203
## 586	0.8551615710	6.739600340	5.072848653	-8.939489845	5.793209776
## 587	0.3881691229	14.345264336	0.604576682	-7.273970032	-2.184947953
## 588	-0.2114953855	1.540710430	-4.878474579	-6.468691059	0.600192665
## 589	0.0219681593	-6.096940167	2.467873114	7.405916358	-6.580342535
## 590	0.4088305778	-0.835977087	-14.764466515	5.286173485	-12.832141156
## 591	-0.6985654334	-8.706698090	-2.601048957	-0.343834372	13.451856723
## 592	-0.2158057166	-9.396798914	8.151076666	-9.093928244	-2.559834267
## 593	0.4900646276	-4.464373632	-23.989665677	2.294872818	3.606541034
## 594	0.3902029558	-9.908674432	-28.188766129	-0.537918224	-12.179766394
## 595	0.3099915316	-12.598091234	-1.160210882	-13.542137987	5.569053837
## 596	-0.2449053393	-11.203108844	33.274661356	-4.275692769	-8.135852805
## 597	0.3808808568	4.580205207	-4.014394372	-0.034458641	-2.524993296
## 598	-0.3135159042	-2.493290052	3.273256227	-0.746218356	-5.342409293
## 599	-0.3816220497	1.929587633	-2.831106180	1.449343386	-7.792353907
## 600	0.5292255953	-3.647935582	-7.788043654	11.205859147	-6.555085469
## 601	-0.0552176319	-5.108353043	-4.882444213	-11.747395870	2.836080389
## 602	0.1640459408	2.938397130	5.938838257	14.158214764	0.163775574
## 603	-0.1996358923	11.514509331	11.646599443	8.583040094	-4.202172015
## 604	0.0266473430	6.376345609	-24.158348852	16.932923356	5.589176549
## 605	0.4109957449	-3.849974463	8.878270385	4.874416187	-3.911068006
## 606	0.3357486661	-4.750287838	8.203765888	-1.015293065	-10.404493078

## 607	-0.2121414668	0.837393119	18.719165049	-3.597241692	2.700254131
## 608	0.4170704914	-18.407177263	20.760901916	4.099681821	5.361914039
## 609	0.0206128166	9.642091241	6.133260309	-9.080832092	-1.297663014
## 610	-0.4786446914	4.792971465	-12.870135166	7.427750095	-1.910645745
## 611	-0.0062959398	3.955854804	-10.551852208	2.904227990	-3.354972418
## 612	-0.1492593242	0.148269277	-19.079542396	-8.497955383	6.733003984
## 613	0.4991287192	-3.603291779	25.200737194	-1.704366254	-7.784944942
## 614	0.3832299424	-3.519175280	-10.667503417	-1.306941019	-4.295462271
## 615	0.4446613323	1.712996073	8.889025696	0.222676076	-0.548196225
## 616	-0.1514375842	6.020823270	-10.610908802	-0.833705627	-0.791931471
## 617	0.2591108648	-6.172122522	-15.553305875	11.068484308	-15.512994583
## 618	0.0803194243	2.779532092	1.202393809	5.769784041	0.182660395
## 619	-0.4262442992	-1.327592300	3.593917262	13.484651249	8.778763399
## 620	0.1369638738	1.013447343	-3.280224840	-1.567569378	-6.127866480
## 621	-0.0501811162	-6.359380286	1.073047606	-0.672494580	8.038504348
## 622	-0.1784076983	8.991267537	2.682896501	7.141691711	-5.906541538
## 623	0.3379334853	-0.198413740	2.621971889	1.468339039	-4.635993959
## 624	0.5010093958	-1.442771409	3.672456786	7.251359116	3.876262599
## 625	-0.5087949911	-8.129669487	7.442673818	4.459824813	-4.608805051
## 626	-0.8555140824	7.651332995	2.473170148	-1.599992937	5.047932283
## 627	0.2404215024	-0.058883392	-2.888566241	-5.302874193	-4.307891393
## 628	0.4733111474	13.171376233	-3.134272158	1.985398526	-10.058143325
## 629	-0.2681340894	-3.764621723	5.350668673	-6.591506874	-1.069606636
## 630	0.0656442181	-10.092623477	-21.461331321	11.134007050	-7.987828720
## 631	0.3666704658	-8.496649002	8.925161234	3.843952006	-6.250115841
## 632	-0.5942738428	0.259129731	-10.921251236	-2.065665323	-11.842795042
## 633	-0.5018097967	7.628897169	-3.625948721	4.640937148	1.821408278
## 634	0.4865106141	-5.208589222	-7.102287336	8.807319056	3.897647406
## 635	0.3550989922	-2.860387999	-14.078129120	0.827386287	-7.017905764
## 636	0.3453727350	5.489274535	15.562672865	-2.578094854	6.314367170
## 637	0.3121867950	2.827466819	-13.555797597	5.687562604	-14.890586814
## 638	-0.2929561236	12.017483437	-10.865071925	-8.279647687	-13.785141687
## 639	0.1058749892	9.026529438	-24.063927830	-7.418365899	3.696457105
## 640	0.0467732946	2.881036365	41.233022465	2.553357956	2.177823988
## 641	-0.1360581977	-0.534314865	25.153573655	-10.843503593	-0.324362706
## 642	-0.4190412368	-9.052411023	8.384438802	-2.645094308	-7.752437898
## 643	0.1853295079	-2.282854606	-4.971219686	-7.675080956	1.047999952
## 644	-0.1798646529	5.874529804	-21.043134441	7.657640871	2.154018352
## 645	-0.2371992471	7.018642385	13.971538287	-3.348764709	-2.012753808
## 646	0.2470804521	-0.075012087	10.108224354	-7.672923117	0.352112607
## 647	0.1947035154	5.054843733	-4.859174244	2.324179674	4.613678764
## 648	0.7517665373	3.197523029	-2.901272206	-3.619037036	2.881113606
## 649	0.2393694352	-7.539768665	18.026843744	5.230398382	13.293214120
## 650	-0.0588521466	6.203685768	-24.887506428	10.359875454	8.590382000
## 651	0.3647482584	9.208848594	12.951731135	-3.944031792	3.587964463
## 652	0.0747879259	6.438897421	-18.136644331	-9.310921518	8.611117902
## 653	0.3884566657	1.749675520	11.679108698	2.378120874	1.515953545
## 654	0.3162088179	-6.397811947	-5.009322647	8.202819872	1.116909160
## 655	-0.3483874817	3.111579198	4.434564977	4.738347867	1.639699159
## 656	0.0595870494	0.302696927	-14.656388696	-5.478992343	-5.730194046
## 657	-0.8761790484	-3.368566724	-20.610524800	-8.630221738	6.041294093
## 658	0.0455028539	11.872814527	-14.137202294	-9.150869225	-1.837709083
## 659	-0.4689900812	4.698267022	-23.709427738	5.316364157	1.349431830
## 660	0.0848297242	0.976123114	1.042416109	5.854640106	1.856812529

## 661	-0.0710692050	-4.270476636	17.591250141	-8.060786003	-8.818308074
## 662	0.7176206406	16.137454475	6.438018756	12.791287122	-8.200112888
## 663	0.1386629580	5.981190365	-19.199364147	9.593257201	-9.901565322
## 664	0.0846790873	-6.568313236	12.173479265	-10.858305902	8.472248965
## 665	0.2927610426	1.887327731	-8.136904808	-8.645298737	1.721157341
## 666	-0.6132503771	-2.695524762	1.539642964	-3.832931604	0.367346213
## 667	-0.6882580737	-4.359644766	-7.572005805	-7.967024029	3.516052668
## 668	0.3542755891	3.780361029	22.793208582	5.821064492	-6.514504556
## 669	-0.8453280221	2.972171274	-14.011534739	5.654982790	-4.903232599
## 670	-0.0606093616	-4.692985433	-6.754160722	-2.316835823	3.049893571
## 671	0.6259670119	8.374276244	-4.825339685	-11.281363099	12.039472282
## 672	0.0896520655	-2.608410581	-16.692077597	5.019526760	-14.329267974
## 673	0.2664443919	-6.985227174	-0.667936173	6.128310216	0.581838671
## 674	-0.6372403323	7.432804365	-15.698221791	2.082615055	14.932465874
## 675	-0.1714284781	-5.179692205	-20.646667781	-2.619685632	2.538070261
## 676	0.1654153494	9.714005391	1.878424163	-12.048694436	-13.628263989
## 677	0.1059210356	-3.872552671	5.558599531	10.208266485	16.416654726
## 678	0.0269988939	-1.799144839	-6.029703950	-1.079863435	-6.359730674
## 679	-0.1449543712	0.990670208	-15.338958733	-2.186565473	-4.653584497
## 680	-0.0160386706	-11.843230120	7.296506961	-10.097778132	13.732078033
## 681	-0.4923781820	5.714657026	-18.158385093	-9.472546167	-4.814194509
## 682	-0.2881923636	-4.211142715	5.274997702	-2.017720007	-7.499774156
## 683	-0.1887037483	-4.992572088	12.407933170	4.601109041	-8.795513956
## 684	-0.1244273505	-8.343129832	-7.472393191	-26.522856309	5.281369965
## 685	0.4677280322	4.066825974	-2.469216893	2.181727871	9.516467803
## 686	-0.2739027473	6.595412440	-8.888047842	9.457095229	-7.638805189
## 687	0.1021426636	7.724033438	-3.037717559	4.702555129	4.045314395
## 688	-0.5389687689	-2.998571148	12.444201720	-0.958553571	-11.573086967
## 689	-0.0812652209	-3.633319458	8.402805918	-0.585342798	-4.285788261
## 690	-0.0774246612	4.417646513	-2.319036930	0.288810107	-1.695110899
## 691	0.8139782311	7.445385536	-0.240408531	11.494383424	3.572736080
## 692	-0.1572317829	-0.566010654	21.421175891	8.222926406	-2.734387996
## 693	0.8044728122	-0.446817108	-3.869717635	3.003143089	-2.963028550
## 694	0.0175251615	-5.999752272	22.259609268	6.838612803	4.540853827
## 695	0.1282016900	7.212906818	-12.275779107	3.598782848	3.265608858
## 696	0.0036668375	8.876438795	20.465631540	-11.464579540	4.963046673
## 697	0.1873620614	6.261247634	-25.838389564	-6.709237606	-3.731914559
## 698	-0.2897038395	10.210691219	-5.823167871	2.295165730	-3.646125590
## 699	-0.3201911348	5.711086560	1.735406557	-9.483344010	7.508307540
## 700	-0.4291120173	10.005898850	-4.120496430	14.184327898	13.581603545
## 701	0.0167715876	6.659758521	0.741435112	-0.690275559	0.047320698
## 702	0.0980412321	-1.039555770	14.680325026	9.655786018	-0.647657599
## 703	-0.1773017437	5.030017660	-7.912144020	2.777768251	2.305603637
## 704	-0.0508566419	-2.216876793	18.281444095	-9.907380825	-1.797577685
## 705	0.4371741576	4.594149029	-5.135244933	-1.310106528	2.696999133
## 706	-0.3670011719	-3.426198948	-4.104430932	-0.389215728	-3.539200465
## 707	-0.1480062779	3.431940032	-1.871560943	-7.769012305	-3.522195011
## 708	0.1567234494	0.446937191	-20.782721641	-3.496149718	4.009495326
## 709	-0.1210453813	4.553425410	-9.685282366	-15.725013793	5.022247320
## 710	-0.6604630488	-2.766444949	-14.465103605	-5.069681097	0.086343811
## 711	-0.0211339710	5.691117907	-24.925640614	-2.996210514	-4.494825772
## 712	-0.4219266971	11.196546320	9.325728324	-4.740663991	0.895567133
## 713	0.4810365301	-0.862490729	-5.875110296	5.492769580	2.472574036
## 714	-0.1711786560	1.917050205	-2.588437929	-1.066635824	9.586340206

## 715	0.3150750843	12.013836282	-13.879362863	1.054781358	-11.435764357
## 716	0.3024756166	5.520697261	2.231441602	-11.520351720	-16.582903367
## 717	-0.2851983568	9.481822832	11.717237441	-4.546475754	-3.526065612
## 718	-0.1720283065	-10.025526747	-2.342073209	-9.144943206	5.621948747
## 719	0.2771810357	5.001269965	-4.688735072	14.470905053	15.889459022
## 720	0.4436036018	-11.147440577	-2.862893214	12.411616865	-0.606139748
## 721	-0.1261575893	-4.263056231	-3.809199134	4.900743121	-2.953296668
## 722	0.0100371405	10.041218200	5.900489060	-16.390367425	-1.210438781
## 723	0.0654786357	6.771548514	-10.373667891	0.114100542	1.393709387
## 724	-0.3890310185	0.237524471	-10.724985864	4.739330279	-9.428350926
## 725	0.7327521672	3.218856402	-25.785129191	5.920988373	-11.270514298
## 726	-0.1641827833	-5.509176341	-13.006668671	-8.000632425	5.907407100
## 727	-0.3992960816	-2.686379805	-7.834224994	10.916319272	1.095448704
## 728	-0.0304951453	-0.877249578	-20.634327725	-4.123855629	-7.158787798
## 729	-0.0486276509	2.947131568	-20.466850716	1.530513245	5.682811453
## 730	-0.1803300187	4.820695932	-13.794323510	-9.560849697	-11.934317811
## 731	0.2146932754	6.592852708	-21.802484922	-4.743049306	1.321150592
## 732	-0.6677838377	1.137010520	4.257425934	7.015391452	3.468156969
## 733	0.2721597983	-4.499289671	-4.107894503	-14.411345399	-3.341150923
## 734	0.0078452081	-3.299297963	-10.467664765	16.160739617	-6.134500828
## 735	-0.4303125242	3.847816085	2.429346081	-14.632151124	-12.646347319
## 736	0.6206875627	-7.766424685	-4.493557832	0.867905547	-5.323360896
## 737	-0.0752721992	1.907253606	-31.694771536	2.415312823	-2.032782559
## 738	-0.5198871139	7.538953895	10.238789423	2.768796666	-2.410575550
## 739	-0.9950114707	0.740942812	-23.984336005	4.515629926	4.181025013
## 740	-0.2449308783	-2.447331205	3.791396314	-3.819466446	-5.845741362
## 741	-0.4559574190	6.635408841	3.960183080	0.633571074	0.105803595
## 742	0.1679993475	-9.534882236	0.574165263	-3.793013270	1.005762380
## 743	-0.1984584405	-16.581778331	9.195003920	5.792545196	15.705709211
## 744	0.2731359712	-2.293339472	17.607227552	-8.612666182	-9.100241267
## 745	0.1095233316	-2.064216858	-12.466856173	4.473295563	7.558556232
## 746	0.1040935209	-5.837992500	-15.382413398	-7.845853368	1.946994347
## 747	-0.2358883847	-8.379045275	28.316744083	-8.638691467	3.281117221
## 748	-0.2729236326	-6.873856322	10.025106783	3.009670488	-3.503352322
## 749	0.9160233929	14.735213995	-9.029654334	6.373553895	10.004129061
## 750	0.1867247598	-4.510143740	6.564318204	-0.318020489	0.183429387
## 751	-0.5498540210	-3.702281921	-4.461441020	4.531341838	5.612659238
## 752	-0.1308325285	1.682625142	-0.468586564	1.502903274	-10.688110468
## 753	0.0721193751	4.401797511	6.673068861	6.680934405	1.482139317
## 754	-0.0780655266	-5.023725236	-32.361836134	14.336853785	1.136088563
## 755	-0.2253600616	4.109310026	3.611792188	-3.414491069	1.173076520
## 756	-0.4694068503	7.124765526	15.173974079	0.893544107	4.355987051
## 757	0.2750884243	-8.840543074	-7.920190868	10.296644053	-6.229222045
## 758	-0.3070102203	-1.490110433	-28.772641352	-17.764656969	10.311680969
## 759	-0.0690507541	4.869906340	-3.378580059	9.278966283	-5.804192177
## 760	0.0192467513	-0.059301081	-7.155791321	14.416964661	-0.376177650
## 761	-0.3407045990	-0.340163891	-20.901261374	2.321874316	-6.751472280
## 762	-0.4316896272	2.548456601	-0.436813671	-2.513911280	6.465620193
## 763	-0.1909327230	1.488229329	12.936769504	-2.677855634	-4.298249636
## 764	0.0034924102	2.204357519	8.085446114	-0.709115091	-3.552954759
## 765	-0.3897899474	8.854706984	-20.134750853	3.868170148	-11.412682145
## 766	-0.3003492247	4.891596066	11.329556607	3.984476519	0.933241515
## 767	0.3556685360	-1.744405277	4.824106816	-0.567960597	-19.937576883
## 768	0.3385293444	-2.915848922	-10.012993648	-6.731363811	-0.366372942

## 769	-0.0359877559	-0.673825956	-4.978604935	-1.742136079	-6.139960510
## 770	-0.0116024450	1.677610483	10.038629980	5.857591162	7.192219955
## 771	-0.1313081106	-6.182088469	-11.527502310	-1.586911432	-4.706617363
## 772	0.0754789944	-7.439117127	-8.857268035	-6.243876334	-10.004409286
## 773	0.1062939351	5.367609301	0.547695764	20.932183960	2.663372949
## 774	-0.6865952896	-3.744643457	0.958258075	-13.815519597	3.724569888
## 775	-0.0587607369	-14.186743276	-11.176533210	-0.820618922	-1.317779141
## 776	0.4474583332	-1.032919790	19.911324200	-0.532307439	-5.840085123
## 777	-0.0785069614	-2.603035066	-3.089937774	-12.333091312	-3.757552739
## 778	-0.0297607191	-4.480179070	2.852274546	1.349489892	1.781660350
## 779	0.4942019294	7.877853048	-16.208478473	-5.941860338	-9.250026606
## 780	-0.3628972068	12.876139521	-0.329360040	10.955055396	3.130408807
## 781	0.0776742902	0.213815288	16.129408283	6.377210424	3.336135671
## 782	-0.0272484353	1.711943663	8.705536228	-3.869033575	-3.147972650
## 783	-0.3444422091	-2.420819057	-5.443151277	-7.742985395	2.554353657
## 784	-0.5794756202	2.057289386	-20.648061005	-9.961543836	4.573943919
## 785	-0.7417947104	0.567977755	15.916876550	-0.852668525	1.778335305
## 786	0.5648718218	11.331990130	-18.463728951	-3.438835809	-3.780458700
## 787	-0.2324829179	-8.659271321	6.136308199	-4.327921647	1.154898615
## 788	0.4812295075	12.478740523	-15.436905833	9.071454771	3.892871641
## 789	0.0372420025	-5.680812710	-15.140334377	-3.540534127	-2.673099115
## 790	0.4033540607	1.281835835	19.921203509	-4.289770425	-10.736894439
## 791	0.5330271239	-4.638631050	11.127613054	10.444483125	-1.726401726
## 792	-0.3667127365	0.249790681	-2.291254597	-3.447978767	2.458982282
## 793	-0.0559086216	-1.129435147	-28.735696337	5.217794321	-7.685303616
## 794	0.2560944138	10.719126796	-9.529987220	-7.505491267	0.988292338
## 795	-0.0093316865	-1.550659575	-7.243401376	6.485366343	-6.951500955
## 796	-0.0404700496	-10.089864487	9.874082458	-9.162546673	5.009061913
## 797	0.0459458950	8.602193241	1.309340200	-5.445960255	9.766186533
## 798	0.3400040249	-7.883287051	-1.486656405	5.464584765	4.766017442
## 799	0.1724585243	-7.499985724	-14.053680092	1.137071969	2.362612247
## 800	0.2823787147	6.748155623	-17.042674427	-11.387089668	-5.966126955
## 801	-0.7328406205	4.519983694	-1.778037833	-2.079673342	-2.772270066
## 802	-0.2541886693	-11.265892119	0.104141108	8.412164668	-9.762728629
## 803	-0.2173441840	1.176662183	3.957507560	15.550485430	8.371590877
## 804	-0.3473791603	8.107682681	-3.632967799	7.777023804	-4.831799092
## 805	0.5802512270	-5.939482535	6.958669796	12.380039815	-10.962992770
## 806	-0.2291588616	-7.789299389	3.426006513	7.526926453	-0.574789111
## 807	-0.2331428231	4.575972498	1.365843638	-1.591284638	-3.496941891
## 808	0.6300126594	-1.676038452	-13.250030669	6.167346622	3.744218610
## 809	0.1387217015	9.283327895	13.226983859	1.736124741	-4.512479265
## 810	0.0613128692	18.676342516	18.559277189	10.753803087	-0.585400816
## 811	0.2630005855	-8.502836276	7.943542454	11.719085952	0.065907226
## 812	-0.4203547720	11.321763054	15.292607134	-1.860673363	-7.371989261
## 813	-0.3379318355	-6.709291798	0.394250421	-2.541089633	-4.387433961
## 814	0.7504770907	1.622764356	-13.380736995	1.721719373	6.728759574
## 815	-0.4816904347	1.883603730	2.766421879	-17.404970884	8.268564860
## 816	0.3290283036	-5.114372197	-5.489854292	-2.899627128	-9.916793477
## 817	0.3421576085	2.745941891	12.341211011	-16.247331247	-4.660453689
## 818	-0.0566809082	-5.118741246	21.516893597	-5.173586582	0.724090416
## 819	-0.1886949091	-5.968376155	1.945721336	5.720798671	-0.909411217
## 820	-0.0260330913	9.287943326	7.693968651	-7.013823487	0.174304537
## 821	-0.5745744039	8.570608793	9.799570451	0.979834814	7.192968926
## 822	-0.3292634535	5.643277961	-15.280647395	2.356245599	-10.966205462

## 823	-0.8165996783	2.953019259	-5.922688999	5.902870378	4.273338120
## 824	-0.0798666390	-4.477779295	-12.665212650	3.272440094	4.007901585
## 825	-0.0113020784	-7.457982547	-6.757333879	-0.063503832	1.993344674
## 826	-0.1273172949	-7.795560469	-8.593485310	-11.336751524	0.331339562
## 827	-0.2460650365	12.293967861	-3.539110084	0.503764777	-0.828640168
## 828	0.0189196031	-9.554854796	8.935144004	-5.358346464	-1.961762956
## 829	0.1223645384	-0.351859520	3.538754930	9.883340233	-0.574891166
## 830	0.0137196473	-3.356267646	-25.400475691	-6.414113661	-4.338652423
## 831	-0.1799927648	-4.671066181	-0.033257173	7.836075423	-16.937633546
## 832	0.7826753117	5.190987459	-2.436023829	-6.905173433	3.850660309
## 833	0.3504509103	-6.150235732	19.955931335	6.390730129	-8.009008987
## 834	-0.1330382501	1.887804226	-16.688505200	4.780908569	1.587056448
## 835	0.0002197082	-9.094074687	34.245500104	2.305391332	-2.867845615
## 836	0.0463520822	-4.643438203	-13.001003685	2.504031423	-7.540176867
## 837	-0.0177830349	-17.907041273	-7.870222925	3.212548123	-3.913141770
## 838	0.0922229155	5.103220701	-7.301592135	-3.430650803	4.770155452
## 839	-0.0043689562	-1.898866882	-7.836313669	-3.008526442	-0.536421541
## 840	-0.3984360733	-9.633264364	-16.919507174	-5.987634940	-0.756607067
## 841	0.6178265773	0.612066452	-35.991352046	0.784730754	8.499835501
## 842	-0.0573764367	0.483303212	-2.259247347	0.361262475	-6.643919276
## 843	0.1243537362	3.214474649	-17.808609612	16.698617175	-5.162510672
## 844	0.0225900253	-8.837835429	-12.626796912	3.354156649	-1.490023376
## 845	-0.3421653526	-0.623780691	-16.822351054	1.313343813	12.195554213
## 846	0.5744533045	-7.248437111	-8.465401200	4.334189011	-4.505970672
## 847	-0.3417728176	-12.619711082	13.729855019	2.108897471	1.626842688
## 848	0.0501333134	6.029272990	-28.466483096	13.687816994	9.553753808
## 849	0.0074974444	2.317307908	5.154333772	10.739160874	0.607080168
## 850	0.1148104975	-0.305925511	13.436789152	0.244583525	-6.887722071
## 851	0.0397098129	2.580571750	-24.729557729	0.618140005	2.967803639
## 852	0.0933813300	8.966060150	18.727168733	-9.592547643	-5.492588257
## 853	0.4014973951	-3.569182553	14.278875139	5.414176679	1.041982199
## 854	-0.0767394732	-13.341689243	31.282912862	1.968245601	-0.772331897
## 855	0.1225431876	-4.226490279	31.594416195	-12.174103826	-4.713995174
## 856	-0.0011728015	-3.198592239	18.595446972	-2.712430472	-7.700399394
## 857	0.1997003326	-2.490301147	14.428750902	-1.557809469	7.206722493
## 858	-0.3485118015	6.514396473	-0.288574383	11.090729394	-1.294446838
## 859	0.1761608976	1.841303174	29.760127742	-8.006347853	-12.011503374
## 860	0.2510184667	-1.483485768	-21.478582594	-2.024123223	-1.266040195
## 861	-0.2270004141	10.104765920	-20.253851431	-17.023128729	9.806941724
## 862	0.3038464715	6.254207022	12.107174137	-0.870844889	-3.248424588
## 863	0.5207621723	0.309655915	17.892675349	-9.619032073	7.157689146
## 864	0.1558180219	-0.569139688	7.942252362	-9.148719111	-0.758149938
## 865	-0.4138910854	9.755391022	18.280362596	-6.061650396	3.176231646
## 866	0.3316552349	-8.260851157	22.129301115	6.649416016	-6.322602455
## 867	0.4987522086	-0.348096269	12.513900054	-4.397800220	-13.243094039
## 868	-0.1775230214	10.990277226	-8.738171082	-7.873987393	2.487108495
## 869	0.5288207483	-11.246714022	18.556603492	3.454780875	18.381860642
## 870	-0.2093871453	-4.098282966	-38.176955197	1.045605183	-4.665134939
## 871	-0.1312807375	6.031495449	5.839109385	7.501667487	19.245889443
## 872	-0.8685734776	4.470935763	2.628652309	10.688473639	-5.187816791
## 873	0.6524980541	-2.785693950	-1.734550601	-7.277583642	-1.549390908
## 874	-0.1618679291	0.338256020	7.398272156	-9.239107713	3.165738426
## 875	0.2968356489	-6.295718478	-7.181035182	-0.930145933	15.451187658
## 876	0.1939745300	-1.942118868	-19.632410431	-6.082887968	-3.270000027

## 877	0.4784125563	-23.465648321	-26.597554955	6.343708902	-3.193578680
## 878	-0.0673079679	4.510899870	11.252804971	8.706378612	0.148545853
## 879	0.1788785930	12.819791733	-3.519982194	1.279461983	-6.319182478
## 880	0.4015136294	0.251114416	-4.862898519	-3.877761049	-4.429595229
## 881	-0.8531226887	-5.489611461	5.504121813	1.081104957	13.548925238
## 882	-0.3255800608	10.225369698	-24.010935591	1.853724001	6.165112431
## 883	-0.5113210499	8.530117348	4.888702169	-2.423969141	5.773658697
## 884	0.1895206553	-8.090771296	-14.335111937	1.535741660	4.070258123
## 885	-0.3721163269	2.166399625	6.491514426	-8.947702426	-2.901893376
## 886	-0.1083027599	-6.802041833	-22.370158492	-1.683918439	4.071600636
## 887	0.4779772709	-5.193140885	-22.709140134	-1.406699258	-1.064656609
## 888	0.2726259025	8.154859901	-21.161960339	-12.940366968	-1.566492493
## 889	-0.8225626076	-11.873669593	-17.625430311	-9.502804278	4.027637970
## 890	-0.5491867097	-4.043190928	16.219296397	-7.810746030	0.696955174
## 891	0.0373632212	-2.999817368	21.399357193	3.077763836	-2.169627049
## 892	0.0409982240	-3.367987984	-14.725103482	-11.389897320	4.699394156
## 893	0.0470649215	5.439888921	-2.880507348	-8.443696625	4.597311718
## 894	0.6742353811	-0.812394560	0.349336100	-9.166525917	6.519991673
## 895	-0.1641170233	-0.890363116	-2.745017694	3.216904081	10.695305161
## 896	0.1210262011	10.877201026	-6.008457941	-4.007064290	5.203922096
## 897	-0.1225651137	7.571287787	-12.526619112	-22.459261804	1.496456963
## 898	-0.2768711689	4.129776317	3.122489970	5.983756809	1.994989480
## 899	-0.6563277082	-0.136446283	-8.790185719	-5.535261623	-5.390176194
## 900	0.5499636754	3.876480042	3.440802253	-12.149438109	-11.662390423
## 901	-0.1522208200	-3.042721971	6.349282102	-3.951028383	1.278479716
## 902	-0.3688385662	-4.243337099	-16.230676710	-9.807939511	5.772885024
## 903	0.0424323034	-0.809372660	-9.254567887	-5.276294947	10.881122724
## 904	-0.0928933420	5.409635800	-6.311779983	10.029544207	-5.820532646
## 905	0.3185657022	-3.728473057	1.157893782	-2.960508334	4.412593442
## 906	0.3288769292	14.567533572	33.183060640	3.620807051	-3.783383158
## 907	-0.5926679433	1.987207409	-5.563660990	4.223003742	2.333021799
## 908	-0.2629396391	10.068539808	-0.719482025	-8.924127418	4.809196845
## 909	-0.8684418207	10.984392392	-12.869896399	10.263201608	-8.433874114
## 910	-0.5575581394	0.803558052	26.232255834	-5.556741281	-16.347784513
## 911	-0.1135561741	0.035451171	33.352780973	0.317963504	4.026340339
## 912	0.3132579799	-7.384953664	14.552793388	-9.807007205	8.928400578
## 913	0.0237701369	-1.104653687	-11.407777303	-17.760434589	-3.980551946
## 914	0.6244968851	7.416088954	1.423440078	-0.434872489	0.848302583
## 915	0.1998766259	0.199495515	10.613084795	4.189018820	-3.370962639
## 916	0.1709206176	-5.626953658	19.889384275	0.672953211	4.488383542
## 917	0.0387008587	-4.575902062	21.578669508	4.637583187	0.191768843
## 918	0.0639112709	-4.609526307	0.924606584	4.773489431	-1.672635853
## 919	-0.7364721831	-9.396065432	-10.508925183	11.431999957	-0.713327339
## 920	0.0764859165	-2.073816202	2.522494236	-4.234771792	0.600964471
## 921	0.1069084885	-5.830356845	-28.378293481	-7.956085740	-3.938532810
## 922	0.0556867881	-1.836819835	-26.612472373	3.967598706	-9.770346062
## 923	0.3740605984	-1.214396941	0.862190857	5.600720937	-7.324190970
## 924	0.1548190267	4.139222282	-5.181765110	8.026922795	-6.767927346
## 925	0.1580196930	15.688817207	7.890767545	-2.280029836	-0.964225141
## 926	0.1943917522	5.322801396	-14.670338122	-15.850195127	0.061590518
## 927	-0.0848185801	13.007186072	-11.474387188	-3.952661344	3.417248712
## 928	0.4030891367	-0.266732156	-1.805649489	-16.722550139	6.827679995
## 929	-0.3294427513	0.419286701	-0.422448917	9.045888078	-5.116027486
## 930	0.4121362395	3.505416364	-15.800797401	13.835649780	-0.482187075

## 931	-0.0181811786	-1.159342507	-8.916023889	-10.731255415	-13.295430314
## 932	0.1473915535	6.455217719	17.079589786	-9.912642625	-7.168204478
## 933	0.6311340433	3.028774464	0.620965867	10.722178568	0.458886007
## 934	-0.3959306754	0.832409756	-9.384956497	-0.417965939	-2.819160667
## 935	0.0868317191	2.940027541	25.376993588	-2.675310318	0.363605322
## 936	-0.1764037244	-3.028793040	7.075019760	8.839045774	0.020855650
## 937	-0.6172549416	-0.769084339	7.902705520	-4.662081752	7.250626055
## 938	-0.1327918035	-6.830305726	-13.901779187	-5.716279511	2.983107114
## 939	0.1570823396	3.553261160	-3.727227960	4.036345281	-5.594615543
## 940	-0.2131671275	6.034448677	-9.991198777	11.203934842	-8.206897608
## 941	0.0857659592	-2.812953831	-4.591586741	-0.268844340	7.197176530
## 942	0.1079683917	-2.911388480	20.709500018	-5.504335264	-7.307204130
## 943	0.5666204850	-3.844160840	-13.683325920	8.244659070	1.251931787
## 944	-0.5722504037	-1.937445581	10.412992027	1.311319070	-2.396072798
## 945	0.2746280688	7.995384691	7.733785693	2.321921105	-11.079644463
## 946	-0.0276149134	0.510010744	-10.305397192	-1.389459808	9.288714352
## 947	-0.3119518324	2.626747671	-2.845007807	-4.061311874	18.855193034
## 948	-0.0970646009	5.192535821	4.537587853	-4.388227999	3.640397675
## 949	-0.0413044927	7.462640074	-21.198033532	-1.924635598	5.383687338
## 950	0.5925631373	-2.009784656	7.187648353	-2.818979885	-6.782174759
## 951	0.0740504255	-15.801297416	6.131332676	-6.125769405	-5.579174078
## 952	0.2975537030	-2.814753662	-2.947433378	-3.966778011	-6.015307551
## 953	-0.1384280934	2.514196791	-8.607714522	-6.292523320	-5.780951443
## 954	0.5970264319	3.715611058	14.267220319	7.053944846	10.768443194
## 955	0.3956100143	3.094668181	10.113696541	-3.434014610	-8.111995814
## 956	-0.1973465466	4.319022988	8.221827101	8.970516580	5.510325689
## 957	0.3439207462	4.466209969	0.825171106	7.877051800	-8.107426711
## 958	-0.2221047955	-9.332341321	-13.321957906	-14.575179456	-8.936370200
## 959	-0.5576755145	-4.668221312	-0.963978342	-3.342386325	-6.321060942
## 960	-0.0249688366	-2.228982230	-13.985002586	-6.916064860	9.363490405
## 961	0.2622504042	4.029650371	-8.028602821	-2.900295408	-0.065770022
## 962	-0.0388219476	5.638196782	-9.064248658	-9.055507818	-6.669793755
## 963	0.0059893156	8.389593486	-7.117798581	-13.794862885	2.593605540
## 964	-0.3372554560	6.288587216	-9.930182639	3.061865312	-4.123391521
## 965	0.3231437032	-20.291321210	-1.458315086	-6.777157379	-7.488548744
## 966	0.2265623092	-1.638739997	-28.634964416	5.461137267	-6.039689942
## 967	-0.4815063576	-9.671869251	-3.984645463	-0.968804370	14.313903658
## 968	0.2333735870	-8.026591768	0.242527636	6.254832529	-3.534190878
## 969	0.2805333649	7.480308366	4.946646081	-5.350429917	-11.311328203
## 970	0.5685886096	-12.294942545	6.926616890	10.375024182	-2.041289434
## 971	-0.1675256515	-10.210613852	-9.804973963	1.260226050	2.861288110
## 972	0.1316475494	3.486121786	8.097273928	0.450601161	9.104947060
## 973	-0.2138971283	2.639692396	17.515530089	-5.899241503	-7.290867463
## 974	0.2450436594	2.786377980	0.475570482	0.195177508	-1.969931651
## 975	-0.1439615898	-2.079668311	-13.661746444	-7.247984955	2.030295784
## 976	-0.1446763929	-6.003842648	8.021068977	5.495017859	2.275242438
## 977	-0.6747765319	3.793928361	-20.898427849	-7.288881580	-3.794628586
## 978	0.1784346995	4.026177817	6.782829222	-13.106002235	2.531901507
## 979	0.2172397854	5.640402008	3.917481773	-2.922394795	-4.525897389
## 980	0.1556405411	-0.635573036	-8.697895003	-4.470888367	-6.451920631
## 981	0.1871198469	-10.405643112	7.511166519	-15.319259413	2.595187065
## 982	0.1879958528	-7.525563195	-28.014366558	-7.845322747	5.582159244
## 983	-1.0319739010	4.756337342	-7.366001205	-19.200380077	8.560644190
## 984	-0.4273057289	-1.758933604	10.532644124	-9.166304776	5.711731700

## 985	-0.6221787650	14.223687948	-12.211995765	3.686698388	7.801842258
## 986	-0.1800306600	-0.785027620	-3.509516761	-6.913443325	-4.801390952
## 987	-0.3154668722	14.693072262	-19.889753173	-6.187365545	-11.772889728
## 988	-0.7317449460	0.340184160	-21.964040767	-0.205689771	14.974127224
## 989	0.4234236955	3.331419514	-6.054838275	1.242952079	-2.428738841
## 990	0.2764194509	-7.290347936	5.417683537	1.451099801	-3.468695340
## 991	-0.2455708515	-11.922242065	24.590211885	-7.659188483	9.152739169
## 992	0.5244956475	-2.061555551	-7.956666515	-7.832109203	2.928162675
## 993	-0.2049844327	4.860391305	-15.802553376	9.603630083	-3.301432487
## 994	-0.5382568452	-0.680099340	-2.232581716	-1.840704148	-1.281152804
## 995	0.7992291350	4.380533905	-0.273902924	5.085630922	-8.113184386
## 996	-0.2587473244	-8.606207893	-12.866776380	8.677275255	-7.611704780
## 997	0.0359861991	-4.894620799	-0.502252434	3.715071098	5.719283067
## 998	-0.6267063917	-4.103477502	-4.293803030	8.250198777	4.878138817
## 999	-0.1109026286	-3.092677287	-9.714948092	1.722296898	-4.245966606
## 1000	-0.1963329576	4.092770135	10.997305668	5.647639268	-11.594109240
## 1001	-0.8054677993	2.497631413	-10.260480667	3.548397717	0.733855952
## 1002	0.0169365702	4.638846059	-1.436784971	10.161283705	3.107079113
## 1003	0.2570849055	6.299701096	-6.634637308	7.659738752	9.823819497
## 1004	0.0970476208	6.698156038	3.823104458	-6.405226007	-6.181338507
## 1005	-0.0210423815	-6.359330959	-9.522182387	-12.735767832	-1.787980801
## 1006	-0.0853297424	1.230562276	3.601129474	4.314389507	-0.293085568
## 1007	-0.6296597764	4.218442534	-7.063843618	-0.146243669	7.522523982
## 1008	0.5910824865	7.198952017	2.961150300	-4.039117356	-8.218374198
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## 1011	0.2935435940	-0.913383763	16.056565305	3.698264708	-10.766090614
## 1012	-0.3857113273	-6.544700232	-5.992325975	-8.837938738	7.712493504
## 1013	-0.7796899922	15.359395141	-7.596094647	-2.002984532	-0.093058424
## 1014	-0.3224417701	-7.334542241	-1.679599806	-4.350220044	10.920074213
## 1015	-0.1844968882	9.970811477	19.889242799	-0.955781771	0.469025956
## 1016	-0.3247848517	-3.886828072	0.492658267	-14.620446013	-2.795065219
## 1017	-0.2779890616	5.013536966	2.924007531	1.839990204	7.337366695
## 1018	-0.2236479013	-3.947630396	-18.107375384	-1.704652423	-8.583546210
## 1019	-0.0330786373	-8.623804925	-0.923868772	-5.535014989	-5.964971807
## 1020	0.3813634490	-5.166123891	20.955552849	8.047134485	-1.888088565
## 1021	-0.1983163075	-4.830356140	-11.499373028	6.965067344	2.264518138
## 1022	-0.1738208629	-0.546949861	4.909025127	2.839491537	12.321058505
## 1023	0.1999924962	-1.412963543	17.872919061	0.976053539	7.052933881
## 1024	0.2652945778	-5.063647637	19.184508761	7.160935610	-3.816288505
## 1025	-0.2948071432	1.944159004	8.903667128	-8.913980143	-1.374382282
## 1026	-0.5904693081	-2.454625333	9.370634006	4.949032543	2.151024234
## 1027	0.1339958594	-1.371851523	-9.512493635	-0.524796395	7.633614141
## 1028	0.0317642086	-1.766756543	-4.925270441	-11.884746608	7.693931942
## 1029	0.6948575569	0.234528682	4.219917368	-3.894785038	1.086027560
## 1030	-0.0167608933	1.258061037	-2.160146283	4.295825374	1.232580674
## 1031	-0.0979859348	3.215454881	-0.355905578	-12.218664628	5.248303087
## 1032	0.2550942859	-2.857648663	-8.727368068	-0.411967062	7.930709253
## 1033	-0.2848714852	4.906599031	-26.386807333	-4.822197511	2.295556360
## 1034	0.4206542710	-7.539598013	14.898414477	5.874171829	2.571633615
## 1035	-0.1419338406	-6.933422176	16.764008603	-15.507736827	-0.951115350
## 1036	0.2990270222	-3.441576187	11.605959885	-1.170031564	-9.759085305
## 1037	-0.5819490299	-6.656412416	8.269434179	-4.140080415	-5.517050117
## 1038	-0.3191745246	-7.242632949	-9.317990506	-8.242385811	8.413435239

## 1039	-0.5937878767	6.998857032	-11.649715677	7.008426650	-1.484170939
## 1040	-0.0351077253	-3.111108857	-23.936381602	-12.623233896	1.909398318
## 1041	-0.2440380393	-1.496196742	7.889375929	-1.769245155	-6.863685718
## 1042	-0.1168503174	-7.084031251	-15.760503210	-2.922573330	2.036466136
## 1043	-0.0972964475	-0.549093989	-4.017392249	0.931486621	14.922640539
## 1044	-0.0387736804	7.792201586	-4.526140633	0.524384812	0.221298943
## 1045	-0.0175407160	-10.175776739	3.019926319	-7.974096799	-3.446278870
## 1046	0.1214229855	-0.414533268	-1.800159480	-2.129119219	-5.909138807
## 1047	0.1629758803	7.965536235	-7.122692482	14.741913434	4.496921600
## 1048	-0.3586683181	-3.228411835	-11.615830362	8.554594149	-9.355407682
## 1049	-0.5761279178	9.839160575	-0.433133827	15.586080713	-1.057981905
## 1050	-0.2276232758	6.078996418	-13.248965096	-9.264916851	-4.916754628
## 1051	-0.5172835877	5.392908037	14.139782122	-1.454256105	-9.341337291
## 1052	-0.2183666882	-4.518526100	-12.319551986	-10.156041043	-1.662449265
## 1053	-0.5143437335	4.737933082	-5.776149188	-7.977170886	9.648596238
## 1054	0.2756125038	0.128038762	-15.533780413	-5.727448408	-3.958121628
## 1055	-0.1379998999	-0.323157747	-13.738365671	-1.574822247	-4.660649255
## 1056	0.1831867511	2.997323666	5.462099311	-11.308345736	-2.301596657
## 1057	0.3930850064	-2.746951426	6.533666159	-5.726348265	-4.760739078
## 1058	0.1559790095	6.097560663	-10.300705643	9.876357881	7.038109413
## 1059	0.1042372622	1.351238792	-9.779818574	11.379046470	2.645632780
## 1060	-0.4732884177	-5.705844042	-0.889342918	15.898871656	7.382146263
## 1061	-0.4303612843	-3.801019351	6.687146225	10.317073473	2.618227889
## 1062	-0.4579235641	-8.969420458	19.462548931	-0.863597922	-1.495183978
## 1063	-0.7024756611	-13.219960124	-19.841647001	4.848457846	-8.181801360
## 1064	-0.7234748905	-5.093057755	2.040733505	-2.139829553	-21.446509176
## 1065	-0.0933902115	1.903552975	-22.482084102	15.264109012	4.154475118
## 1066	0.4076674708	13.491479967	-6.005361425	11.210327074	-15.306598521
## 1067	-0.0833228011	-4.610362257	-7.683552076	-6.587198143	5.882890278
## 1068	0.2789085916	-4.993978657	13.477567122	10.449775673	-3.506013307
## 1069	0.4920649248	-2.285757068	-5.986434033	-6.804799207	4.934964596
## 1070	0.0309067919	7.769383023	8.791629308	1.386243017	0.180946257
## 1071	0.2757126359	-10.406043570	30.737466654	1.583331543	-13.244308434
## 1072	-0.0160877309	-1.140508518	-12.432959265	3.443361833	-20.838335816
## 1073	-0.4720217520	-2.595943160	8.980629713	-13.174696524	4.996926608
## 1074	-0.1296911799	-0.068394005	7.572216497	-9.163860435	1.239123140
## 1075	-0.3404477414	-1.858788940	2.540203565	4.415151537	-3.822306163
## 1076	-0.0218775156	0.199220749	8.492609198	-5.158362141	-0.523452596
## 1077	0.3222271399	-4.488761635	-14.529044758	-5.586747955	-5.002773479
## 1078	0.3102084757	4.630183616	6.248601161	-2.688038866	6.277581214
## 1079	-0.2746585490	-4.872478882	0.864102903	-5.462294478	1.124601778
## 1080	0.0630610309	17.761324015	3.796800429	-6.701649728	1.250444758
## 1081	-0.7318514425	13.416600695	12.943892818	-12.109271435	12.395671554
## 1082	-0.1687162462	-2.508424634	-24.280117405	-5.558564675	5.032447494
## 1083	0.4927646700	-9.150617683	15.350851026	-3.070280827	-1.270920682
## 1084	0.5479588794	-0.493082258	-15.378353983	-13.694853528	-13.848933986
## 1085	0.2801573125	-1.983023521	-14.769970012	-6.777406413	-5.870202851
## 1086	-0.2182810620	-7.709009693	9.764717084	-1.623205546	4.249868296
## 1087	-0.2102091022	8.255133693	10.336777172	-5.183740836	-7.589916891
## 1088	0.4783606182	-1.715991700	4.447540014	2.543182084	-3.757893651
## 1089	-0.1094046547	-6.315668034	1.229147686	0.562040315	9.201640006
## 1090	0.2615275878	3.906780513	-0.531863336	8.960123215	-1.278872215
## 1091	0.6642966364	1.051320134	-16.661161387	8.866445193	6.110410307
## 1092	0.4385054747	-1.307635401	14.502845141	-10.139880646	-2.754250131

## 1093	-0.2638936944	-0.233005861	-34.748790968	-8.562002580	-2.553723048
## 1094	-0.1272956896	-5.274475877	20.707991164	2.788279974	5.443469852
## 1095	-0.2083865320	-4.617725572	1.122281555	3.780871460	0.711193379
## 1096	-0.4626585095	18.047699595	14.916265926	-10.273673457	8.379886288
## 1097	0.4467677480	2.180738550	-2.193258273	10.441788491	-2.054465697
## 1098	-0.2392889454	-2.375272024	-33.528679628	-4.997011964	3.538823981
## 1099	-0.2734668415	-7.125711890	-10.726224573	-15.014356191	-5.860728361
## 1100	0.3626362620	2.786196164	-3.711526938	-2.287835477	-10.076102370
## 1101	-0.9243486469	-1.914995377	-6.061777677	-0.764471073	4.360169789
## 1102	0.7522604355	-11.797894025	27.214912028	16.554658078	-3.395066555
## 1103	-0.3931161012	-10.579200937	25.124432907	-1.864368580	6.159550155
## 1104	0.1970868592	-3.857149892	1.076991408	3.686530772	5.865237652
## 1105	-0.1096321710	-10.000978189	-8.275380537	-6.318331535	2.391824987
## 1106	0.1218832737	-4.717349469	17.088431358	-0.283075701	-0.383559501
## 1107	-0.0923217616	-1.719299729	-8.577992040	-1.819554355	-5.630246196
## 1108	-0.4862258996	-2.247743218	-17.154405370	-1.793087806	0.260668411
## 1109	0.5285496499	-7.565116979	-14.273095607	11.557844061	-4.044501471
## 1110	0.0302732047	2.495122044	-16.037773671	-4.598149460	-8.803043908
## 1111	-0.0288756813	-11.597086486	4.839350382	1.172701185	-11.576006078
## 1112	-0.2063889932	-1.291853689	13.253192167	7.588287350	-14.255791958
## 1113	-0.1902416683	-5.959767941	-12.727659452	-7.091159019	3.110480596
## 1114	-0.4338983408	-4.093160484	8.168454212	-7.577251527	-8.491502981
## 1115	-0.1381055283	-8.414284107	15.778091723	9.585816272	-4.325430760
## 1116	0.3486402275	3.003292916	9.235677560	-1.877587479	-13.912190950
## 1117	0.0279117485	-6.032352342	25.712729206	-2.520384983	10.302133930
## 1118	0.6468716925	1.782755791	-6.885474332	-1.638050269	10.023094134
## 1119	0.4359521492	-5.907777137	-6.244990339	-1.017272755	11.806670538
## 1120	0.3026677076	-4.003666828	15.123738008	3.941799735	0.458131851
## 1121	-0.3838752213	-7.686057590	1.316909021	11.861954083	7.376381106
## 1122	0.0598318883	4.613168758	-19.783852459	-4.880926212	2.922859674
## 1123	-0.4259344665	-7.950378649	-15.086682607	3.975472213	0.767697146
## 1124	0.0839734981	8.086875889	1.092478999	-3.441361814	-8.250463586
## 1125	0.0943554109	5.715100225	-7.729458067	2.078005233	-4.695777189
## 1126	0.4048373504	-11.871033782	-24.347756762	-2.414756390	1.063287064
## 1127	-0.4479237138	-1.306666275	1.501385641	-7.327318936	2.693688331
## 1128	-0.1401399804	-3.855332928	3.719385265	4.208481031	6.821081333
## 1129	-0.1283472794	-3.348678522	-17.954139931	-4.502012315	1.056177039
## 1130	0.0890464141	10.098944633	-9.134384100	1.483569459	8.371809145
## 1131	0.3099536253	1.335803127	-14.378078652	-4.078061907	-1.019263965
## 1132	0.1600630428	1.466023565	-2.279789717	-13.194097539	3.704754008
## 1133	-0.1784310738	-0.355037440	19.573002258	1.954778663	-14.740133016
## 1134	0.4707002881	2.185184064	-5.717975196	-6.264450082	-5.255960067
## 1135	0.7060872789	7.520385174	8.989184806	6.267375045	8.750889538
## 1136	0.0594333709	-0.637960698	7.532459771	-2.263182649	-0.997437231
## 1137	-0.7886743118	-12.254081509	-17.215009600	-11.339044485	-2.529441308
## 1138	-0.0934040386	2.564359861	-25.790826693	-1.981767031	2.906382467
## 1139	0.2025069059	7.056951474	18.226147474	4.958083178	3.307245710
## 1140	-0.3813237935	-7.930926554	-21.311597013	-2.439118094	0.063737671
## 1141	-0.5735270906	-4.612899370	-12.492429116	-5.277398999	4.338937694
## 1142	0.5554636958	-1.617246105	12.655585996	18.591843245	-6.391348765
## 1143	-0.2863803760	4.728429126	-6.638058860	13.406793749	-4.587637939
## 1144	0.4471369097	-1.248472397	12.265528161	-6.299616080	-5.517728608
## 1145	0.1141941982	7.752160248	-14.052880752	-12.782974814	-7.622690187
## 1146	0.1733096952	5.625962880	-1.989571825	-8.614057133	2.647083355

## 1147	0.4761994259	-3.031109704	-0.177544828	-5.808592497	-4.929688648
## 1148	-0.4131520163	-4.869230451	5.927766032	2.868751669	0.306819193
## 1149	-0.0026705935	-9.157617982	-2.473874483	8.887820824	2.863617740
## 1150	0.5446824503	2.647534179	15.837231171	8.539904828	1.991120541
## 1151	0.6414079050	4.365299492	6.811445371	-11.485950527	0.148065208
## 1152	-0.0648630076	0.794545493	13.983175385	-8.474402915	-1.718045642
## 1153	-0.1555795644	2.467060541	-27.728448075	-4.572612830	3.731762178
## 1154	0.2955639797	-2.618683083	3.800760187	-0.370220277	-2.474076690
## 1155	-0.4381090713	4.162111442	-10.610943875	10.834820970	-7.824255718
## 1156	0.0199878032	13.465629639	13.715495487	-0.567086869	-7.150877886
## 1157	0.1344737972	-2.076016982	-3.459942554	-4.432001764	-6.098362732
## 1158	-0.1424318301	-1.227131394	-10.618773956	13.485027309	-2.553404188
## 1159	-0.3997985252	2.595892344	2.517853005	-3.973482920	8.263027229
## 1160	0.0609562410	6.928772692	-5.585185435	-5.685884701	-2.563988993
## 1161	0.2985673078	-3.329949509	-2.874044589	1.805673200	-0.177109911
## 1162	0.2288936482	0.796904261	19.183049262	4.829837835	1.367413725
## 1163	0.1994532528	-4.385488248	1.323249096	-3.862125396	7.706562246
## 1164	0.4841643516	-0.292067359	-7.266763478	0.844317452	-1.140321190
## 1165	-0.4382808426	4.284923457	-14.160082755	-2.244598440	7.469614323
## 1166	0.6551354151	-3.838239425	0.844793913	-1.602840219	0.668385998
## 1167	0.4974870160	-0.476422597	-7.651118918	-10.367381542	-1.561120887
## 1168	0.0707471067	-0.573630858	1.891162723	-12.472053076	7.629997037
## 1169	-0.3878434043	4.792759676	-11.328068820	20.977054469	4.797780717
## 1170	0.0827600865	3.186043618	-22.793983347	3.093973113	4.016853318
## 1171	-0.2276775190	-6.259743654	-12.342237015	2.919390107	1.133863712
## 1172	0.2637362118	12.748924279	-14.495254657	-12.960058292	3.839219259
## 1173	0.0957417127	-1.492958461	7.640648029	5.991261134	-0.260315258
## 1174	-0.0025430323	-2.418079255	10.444127998	-17.189690114	6.292914495
## 1175	-0.2696412342	-8.850613205	13.497536103	2.656717446	7.253446344
## 1176	-0.3503941519	-5.455552217	-8.284995169	5.733893313	-3.717962656
## 1177	0.2364817280	-3.065796349	-13.058081332	3.975283175	-0.003239194
## 1178	0.4851575353	-2.834618688	5.883637253	1.733073196	9.869795112
## 1179	0.4642973231	-0.515126006	-5.603786899	8.253399748	-15.493214929
## 1180	-0.1903079896	-2.606927226	1.002312367	0.213201327	-0.311715072
## 1181	0.4472421861	9.485412270	-8.017087817	12.338719089	13.282139948
## 1182	-0.0700055527	-5.729203895	3.205718998	-13.003081432	-1.433121814
## 1183	-0.0538784630	-6.935869062	-18.124973354	4.212633617	4.804958757
## 1184	0.7649476061	7.112542648	-9.778998617	5.239207952	-6.624246124
## 1185	-0.4330151443	8.143698467	-6.422993289	-2.313870029	4.312617641
## 1186	-0.1039019180	-7.270463563	27.589296214	0.379013372	0.649444606
## 1187	0.2440727675	-7.521320465	-25.606949679	-17.793819637	4.681987991
## 1188	-0.3241654683	9.396898109	0.104327231	3.023999674	-0.731532343
## 1189	-0.0293004348	1.895806526	25.496833304	-5.191038270	-3.680897404
## 1190	0.7277896726	3.876051133	-14.385488801	-5.108863549	-12.617649016
## 1191	-0.1128998834	-1.419619698	16.861534712	6.937115152	-3.680970205
## 1192	0.4962134875	1.381012089	-7.728827676	7.352357652	1.223341167
## 1193	-0.3227765133	-7.715803787	3.405898363	-2.029034252	2.131806098
## 1194	-0.0461242256	2.049917941	33.600649825	17.724870128	7.671146385
## 1195	0.5458321700	-10.055553846	9.697584556	6.933034028	-0.694454114
## 1196	-0.0302631297	-16.869036435	-13.615831669	8.610865510	-1.539731989
## 1197	-0.4382725059	4.046026842	-13.491402277	-5.695046116	-7.534802344
## 1198	-0.3479726640	-0.655780595	-17.013882909	-4.181032295	-1.760343016
## 1199	0.4114988491	4.081395294	-13.949988153	-9.247449251	7.016146925
## 1200	-0.0322697271	-1.121938634	-13.358287645	-11.613507656	5.799260019

## 1201	-0.0810306747	-3.985266800	-1.619499308	3.066467132	-2.323473698
## 1202	0.5739293994	-7.615043667	-18.509924822	4.343490145	0.722757898
## 1203	-0.1801742540	-20.091764290	-9.516153527	-12.774681530	3.188611356
## 1204	-0.1300570432	2.656582070	10.674302059	1.775823748	-0.125300755
## 1205	-0.0932608341	8.524477283	14.611628966	2.177356998	1.398508119
## 1206	-0.0563332218	-4.708402153	-8.829812275	3.227972072	-4.740421001
## 1207	-0.6881046788	0.018495675	-16.339699016	0.020580777	-8.420605478
## 1208	0.5188683738	8.295859335	-2.956236133	-1.484785571	-8.717443402
## 1209	-0.6121262116	0.214232641	2.554054578	-9.480945599	2.264448923
## 1210	-0.8697972630	4.111250250	-5.585392286	6.238272853	13.590733684
## 1211	-0.0537579078	11.672959010	2.534457507	-10.754534524	-8.944687342
## 1212	-0.7896807078	-1.475388880	6.366926904	3.451754392	5.958609390
## 1213	-0.6237755907	3.619567107	-13.437389361	-9.356754789	3.515073613
## 1214	0.4008127980	4.373768790	6.432565216	-7.087333478	-7.666531209
## 1215	0.2288497287	5.154640044	-2.719370564	-3.666507615	-3.593931509
## 1216	-0.3114030782	0.972195642	-20.554892199	8.268718646	12.972422533
## 1217	-0.2643385677	7.376993269	-27.147737920	1.148681586	-2.246714382
## 1218	0.4729046210	-0.058933286	-5.389832969	-5.281046212	-3.789233622
## 1219	0.6432199249	18.864379283	-12.966236094	5.702170716	-2.776394271
## 1220	0.0304506363	0.142454196	-2.815714378	0.570125736	-11.035217739
## 1221	0.2977816767	1.624072837	-17.046885925	12.023357067	-4.564741126
## 1222	-0.2603918085	-6.121775216	8.907784455	12.342708563	3.362287590
## 1223	-0.0173132704	1.610958922	-14.324806647	0.853070225	-2.854106708
## 1224	-0.6818362410	5.366944637	-6.275089116	-13.497153691	-7.776901581
## 1225	-1.3513193512	-1.981899805	-5.108814136	-0.350868145	1.935356018
## 1226	0.3423393489	-3.020501008	-8.836253274	-2.870672450	-8.867969220
## 1227	0.4912564316	-10.658866570	-23.621909991	-12.414779270	-7.083308230
## 1228	0.3131880969	-11.438146810	-4.498722988	5.299834821	-1.026893110
## 1229	0.4653489303	3.995264946	-18.402831194	-11.630296726	5.558368241
## 1230	0.0134369969	2.646988338	-10.590188188	10.980399859	-2.156341981
## 1231	-0.3360570177	-3.017005383	4.767308553	-10.184900303	-1.187174738
## 1232	0.2015797706	12.508559671	33.314731244	2.124060316	-0.079789776
## 1233	-0.2605779198	13.551125052	-1.915584000	-15.692677267	-8.258641401
## 1234	-0.4536764744	6.951612388	-1.149062694	2.005455159	5.855085745
## 1235	-0.3791874710	2.356066260	-7.883674911	1.893836223	9.367628037
## 1236	0.1641038926	-0.421985768	8.081895000	19.569912393	5.266336994
## 1237	0.2063519265	11.834283662	-7.511979257	-1.073845413	2.099235201
## 1238	0.5180950922	-11.361673862	-18.312148919	-2.384531833	-0.166265927
## 1239	0.4461725946	-0.842793046	20.532962802	8.785581112	13.329641514
## 1240	-0.0100875352	-2.581247738	-7.008108939	-9.847938104	5.790155630
## 1241	0.3808257997	-6.543735239	-17.069225637	12.535849185	6.699067041
## 1242	0.6485422437	5.711162949	3.857706883	0.743104404	-1.475549751
## 1243	0.3310623690	-0.150172038	-11.677148785	-7.142949416	-2.643085967
## 1244	-0.1506385175	-7.255380103	14.378182699	9.977101456	-11.188616739
## 1245	0.6217780480	1.372829309	-8.357235789	1.828870233	8.882267350
## 1246	-0.3990142424	-1.188526759	-1.951059583	8.660520532	7.110071406
## 1247	0.4654489192	5.412448075	11.362407881	-5.541594591	4.810305162
## 1248	0.6314485793	7.133544059	5.823747708	-0.561858562	1.617522796
## 1249	0.1156447203	-10.012353857	16.790482761	3.463390100	0.111705773
## 1250	0.8954744730	-11.329892074	-9.933008504	7.032057157	1.694126368
## 1251	0.4222887962	-2.264116520	-20.445241576	3.847973952	-5.248503037
## 1252	0.4351013282	-11.091832675	-17.156152060	5.877656406	0.951424860
## 1253	-0.2286769943	-3.210374731	-7.823414383	3.883708261	8.592380281
## 1254	-0.1652437742	5.211857672	-13.508386643	-15.329186716	0.056354436

## 1255	-0.0987217770	6.884344365	-20.021966511	-4.247576365	12.339651985
## 1256	-0.4760262862	9.276160730	-18.249910711	-4.763876313	-3.263009423
## 1257	-0.8115808747	-1.154786811	-24.183214506	3.136935060	-2.464034766
## 1258	0.6892193200	-1.695346003	14.082468205	13.355373992	-8.603570919
## 1259	-0.1813595908	10.914108791	1.452587774	-4.706253427	-0.377178357
## 1260	-0.1435980023	1.562792587	17.569412523	1.801676754	-2.170899087
## 1261	0.3205679738	3.569237909	-4.495065626	9.736246216	-1.275483225
## 1262	-0.0383715494	1.550737925	-33.088446546	0.683868488	6.502915394
## 1263	0.6080294507	5.497206351	-10.483079021	-2.919327607	2.958311279
## 1264	-0.0467430098	-2.190241118	-25.172328417	-21.178645114	-4.605884480
## 1265	0.1715875624	1.967115990	-5.348779469	-7.713058533	-5.201273865
## 1266	0.4087136989	4.099543110	-16.541825680	1.935167800	-5.771021381
## 1267	0.7458183490	6.754200355	-9.325769624	1.632264346	-9.560819750
## 1268	-0.2301489186	3.987175554	-6.668426846	-14.616009745	-4.230633657
## 1269	-0.4254786301	9.399059473	15.432660638	0.347024749	-4.173237674
## 1270	-0.0075389817	2.233457190	-10.279414823	13.413624366	7.737622351
## 1271	-0.0643669922	3.876335275	-0.073105081	9.882128515	-6.433943923
## 1272	0.0989474580	4.757921655	1.464877743	-1.028727860	-1.916688913
## 1273	0.0309644575	5.375463832	-10.565937382	2.404920551	1.814811718
## 1274	-0.5570730783	-0.090641881	4.337370075	-8.828937590	3.048794925
## 1275	-0.3633174015	-0.942729688	7.898413883	7.673823891	9.218431495
## 1276	0.3452467593	-5.631637415	-9.085466254	5.634364212	8.135506525
## 1277	0.3232557593	-4.231338121	-2.006791065	5.933634447	-1.128993897
## 1278	0.2857218875	-15.054365194	4.631428265	-2.991442872	-2.651851766
## 1279	-0.6516783340	-2.113798365	2.469094036	2.115755165	14.516919339
## 1280	-0.2197467526	-2.773814934	-27.849971797	-5.322382929	-13.848818343
## 1281	0.4777314609	0.133896441	-5.693485493	-9.279816641	-13.088414433
## 1282	-0.8093732304	-13.790299616	-4.940488954	-5.823143080	-1.266041560
## 1283	NA	-6.505933236	-8.828134542	5.613331979	-10.270281238
## 1284	-0.3445541821	-5.890004940	-1.066259564	6.425473040	-5.189435525
## 1285	0.9231157902	-6.931214511	2.661193977	-6.413968404	7.721554406
## 1286	-0.1361943627	-6.596916080	13.660514726	-6.931249894	5.926414141
## 1287	0.3022517563	-5.742400801	-8.699914639	6.404971067	5.912729821
## 1288	-0.0320038228	-1.816885763	-12.209597262	-7.113920447	-0.767569470
## 1289	0.0167853062	-9.384014486	-18.648033794	6.238207454	3.349839447
## 1290	0.0278600590	-1.672201699	-24.372383846	4.630905843	-5.723317484
## 1291	-0.4860475589	-5.485167149	-12.210595348	-8.512131241	-10.197135404
## 1292	-0.6695345073	-9.980033710	-0.066354739	-8.403477520	-1.853559536
## 1293	0.9018761380	-10.583797606	-6.711358395	-21.697516816	4.292100300
## 1294	0.7887091602	-9.150958582	10.133653525	4.007366567	-0.040339482
## 1295	0.7408762499	-3.603976552	-1.951847254	0.173688554	-3.800819002
## 1296	0.1578139410	-8.819455764	9.441289955	-1.621738970	-4.183432572
## 1297	0.1580471691	9.427162195	10.494108716	-3.229691743	0.372983400
## 1298	-0.1935791495	2.311044951	-5.857862861	0.662833169	-2.163252745
## 1299	0.0779536332	7.843300869	3.799478687	-5.972128310	-0.071831818
## 1300	0.6273802842	-1.652172060	8.864323750	-5.418664328	-3.733524721
## 1301	0.3188482226	6.096869913	-0.052831699	-8.309773926	-0.796697179
## 1302	-0.2644855631	-0.198774677	3.732690954	7.532564667	3.418520563
## 1303	0.0530542485	6.517101892	-19.486470255	-3.736031450	-4.972463743
## 1304	-0.1874022758	2.909106553	11.788227182	5.022443494	0.574314681
## 1305	0.3801527671	-6.159191202	0.952489007	7.688814821	2.993852238
## 1306	0.2400308133	7.800802366	-9.780033886	-1.069846187	5.699702082
## 1307	0.0352233635	-1.964568676	-4.793732665	6.396976180	-9.449429404
## 1308	0.1262054624	9.472796698	16.751015382	6.466399617	0.567301514

## 1309	-0.1587768036	11.173166738	7.800411678	-3.601986486	-6.357770444
## 1310	-0.3875954746	-4.858673126	-8.844044078	-0.905389231	6.845485486
## 1311	-0.4529756507	3.435892602	-23.453950561	1.894960415	-7.967965222
## 1312	-0.2658167087	2.568316513	-16.575365293	8.973945283	-1.382397497
## 1313	0.1339963551	9.088739492	-14.892871910	9.454314719	-11.052453479
## 1314	-0.6464628139	8.316665648	26.900283763	-7.319925380	12.014540534
## 1315	0.2500910448	-10.217852014	-2.326265032	-3.323752467	5.750435270
## 1316	-0.1558628750	-4.712607154	-19.299277916	-9.674361150	5.420526505
## 1317	-0.3587391942	0.036372259	-7.371227088	-9.684544460	10.568829685
## 1318	0.1402974996	-1.384319096	-5.005750162	5.767291095	2.223249831
## 1319	-0.1775682745	3.723253341	24.132730758	2.365650584	10.657453492
## 1320	0.0382850839	-18.740052605	3.640725006	-0.692412239	-5.048801717
## 1321	0.2206705932	12.003548128	-2.098970889	-4.967747802	-2.172623959
## 1322	0.1719836311	6.011321368	-1.309176597	-13.920934926	5.898085220
## 1323	0.1635418273	1.429805746	-31.799686914	2.234378882	-3.419002472
## 1324	-0.5478439248	-2.156122810	13.738815618	-21.476712019	6.965040470
## 1325	-0.4338388008	9.500284013	-1.227902921	7.134363277	7.905919679
## 1326	0.1068846347	-11.236484625	10.808365223	-5.890196462	4.963809105
## 1327	-0.4416506240	9.822109299	-23.134834669	-14.013852365	3.740768316
## 1328	0.3397870456	1.317117263	-5.567752725	-3.152354795	-5.175994370
## 1329	-0.2518804812	4.438943073	4.289186320	-3.788808036	-18.381922010
## 1330	0.2281557108	8.463399730	14.414388304	-0.406562563	2.802430646
## 1331	0.1446631327	8.459046410	-23.729291535	-10.206088236	2.804639540
## 1332	0.0467683040	0.204032867	4.748449560	-6.920060152	0.967307133
## 1333	-0.1138119209	-7.447041724	-12.153385093	-14.771081489	5.767851440
## 1334	-0.1893330171	-9.138927460	19.483693388	-2.891387189	4.465470439
## 1335	0.4264803527	0.844678230	2.829504486	3.680288082	-2.790336226
## 1336	-0.6183971564	-9.870518460	15.036480098	10.299942315	-7.199672353
## 1337	-0.0113921824	1.075911306	-14.936881822	-11.606793752	-5.379799157
## 1338	0.2579110723	9.323934767	-4.498314257	-0.066330961	5.680583370
## 1339	0.4512552861	-9.188914822	12.618048980	-0.618907280	0.700814452
## 1340	-0.1287594598	-9.043675802	4.453869222	-8.518388062	-2.741633445
## 1341	0.2037441817	-8.316298969	-29.928830546	-3.918997249	14.731645095
## 1342	-0.0397463398	-1.470663300	-11.865255780	3.981238923	-2.255546839
## 1343	0.2503763045	7.439623716	8.502013131	-7.293564738	3.249798605
## 1344	0.2414660274	-2.418815798	12.111753924	1.556340381	-1.980582439
## 1345	0.1981627298	8.952902655	-5.003575179	10.156419066	-4.551881501
## 1346	0.7060820339	-7.882660701	9.720008318	-8.215844175	0.156161170
## 1347	-0.0591981850	4.616335732	14.103602584	-2.493607744	1.696976400
## 1348	-0.0567837186	-6.207554224	-14.666517932	-1.258903933	-7.496116514
## 1349	-0.1438175140	0.116917923	-13.261293627	-8.662881745	-4.815978967
## 1350	-0.2145979036	-6.935457612	-0.543657389	7.455339996	5.051510475
## 1351	-0.4042574005	-1.510616917	-15.901217273	-7.064082479	-0.293260381
## 1352	0.3879961107	0.812528222	-6.096896011	7.404238021	7.683111206
## 1353	-0.0083647269	-1.944326301	-1.223598775	7.802048924	-5.035683393
## 1354	0.2506335254	-4.026336693	-12.831889701	5.094195082	6.081529140
## 1355	-0.4277273114	-0.531689178	-27.331309530	-3.830837137	1.408385998
## 1356	0.0767508905	-6.254675851	-5.784020010	-3.910144387	13.078101914
## 1357	-0.3153076165	-3.493378139	-1.400887320	-5.647428034	-2.252217747
## 1358	-0.1666820513	-1.374858662	11.442296687	9.276292988	16.650550141
## 1359	0.2304274530	8.882638167	-12.750531664	3.146262642	1.820155603
## 1360	-0.2652078033	6.850009134	-4.575356257	-0.936034668	3.742857658
## 1361	0.3293653650	12.197827603	7.496223538	13.310234885	2.386035274
## 1362	-0.4953250577	-2.562064768	1.664772847	-0.177789206	-6.662159865

## 1363	-0.1997917274	4.167123196	-15.197256456	3.506599107	-3.081408328
## 1364	-0.2876844128	11.663774066	-17.071868842	1.264830098	2.235102957
## 1365	0.3006098725	-5.328647031	-16.595656547	0.929545240	-4.785416458
## 1366	-0.1670308517	0.250895558	-12.586242774	0.913818573	-8.924576682
## 1367	0.2387683644	-13.989642163	-3.509526867	8.407927131	-3.002921209
## 1368	-0.2872142367	-0.849529114	18.789199404	1.053958412	-0.675355087
## 1369	-0.4499532141	-1.023993563	12.260656950	-4.802399814	4.833071276
## 1370	0.2747559115	6.781996927	0.418827193	-13.990912326	2.438176580
## 1371	-0.0120546018	8.473368924	-17.435318482	-2.511916099	-1.155389348
## 1372	0.7578584052	8.066488841	-11.191417443	7.289283109	6.196733134
## 1373	0.2927729132	-12.164508327	3.614423580	-1.932205178	11.620567909
## 1374	0.2617685214	-2.683710472	15.836797124	-2.571514595	-0.580368614
## 1375	0.2622565762	1.000946378	-17.747772274	-5.202008233	8.718153911
## 1376	0.2794523307	-1.582683257	17.291779379	-2.159751289	-0.645789258
## 1377	0.2388802333	-7.538342607	-12.453019941	10.294034210	8.388955232
## 1378	-0.1422977235	4.918858491	-27.865731501	-18.032739590	8.676713263
## 1379	-0.3210945021	-1.611544666	4.500929838	-17.859671585	7.629721913
## 1380	-0.1171380581	-2.162293607	17.359346049	2.448205924	0.318751695
## 1381	0.0015840589	-3.362920856	-10.248540141	8.184241992	-0.714614493
## 1382	0.6168049414	-4.519886850	-0.188192133	-22.339443905	1.352824184
## 1383	0.2271095524	-7.460313078	1.957353955	2.075658144	11.074174550
## 1384	0.1550215323	8.378538579	7.987287642	-11.265072368	-4.274176833
## 1385	-0.4789733017	-0.363152833	-11.732067296	3.545680306	-5.975535371
## 1386	0.0680274319	-5.849868796	-5.079518028	2.895348874	4.139540269
## 1387	-0.8329717602	7.354064183	-15.840828482	14.233852505	3.291002488
## 1388	-0.2912201898	3.185889312	-3.765048344	13.832088328	12.392458946
## 1389	-0.8240321905	11.175638151	-9.650451605	2.643608323	7.723973467
## 1390	0.2437461507	0.933362743	-15.385212702	-3.374560176	-1.487596988
## 1391	0.3203416571	5.391825007	13.892681988	0.151877457	0.855644292
## 1392	0.0938276527	1.866437156	-1.243604567	-1.197215844	5.328144911
## 1393	-0.3012463509	-2.356158387	-1.897081330	1.199910454	11.551844379
## 1394	-0.1407854633	5.262250015	-3.451158186	-0.190581217	-14.666983856
## 1395	0.1084724532	3.386954565	-18.376729767	9.751540102	12.249511571
## 1396	0.2233605442	6.562411681	2.696897698	8.020178985	0.422860578
## 1397	0.0940820139	7.188271789	6.909825704	4.480732482	9.969453515
## 1398	0.7332183284	-7.063421160	-26.055111477	-6.146839958	8.155140947
## 1399	0.1293017781	11.161999446	3.705612230	0.173595166	-7.779698563
## 1400	0.2380944054	2.931346734	-1.243589219	-3.272849861	-0.570019848
## 1401	0.2384646299	16.203848977	11.261216775	-7.277714086	0.979968747
## 1402	-0.8817052047	-4.453368461	14.096495568	3.350318371	-0.351697286
## 1403	0.7286421450	3.719280246	-0.555076119	3.144435095	-4.324276051
## 1404	-0.0144464897	0.452045422	12.918711872	-2.825221726	-3.353252073
## 1405	-0.7849609774	-8.257090954	3.757413200	-1.776887333	-2.169225776
## 1406	0.3691665637	-2.216570746	-15.701353838	-7.315394562	4.715935844
## 1407	0.2663247756	6.245663170	3.488343430	6.444444321	-4.710204640
## 1408	-0.6929138398	14.438530774	3.741381643	1.708779687	-5.011161053
## 1409	0.1789679282	-4.257847510	11.035289447	-0.078174366	-6.184705345
## 1410	-0.1771414993	-1.472114206	14.107824785	5.045578355	-4.135445553
## 1411	-0.3679754914	0.702688889	11.162368201	-9.127441978	-8.056734779
## 1412	-0.1896581415	-6.971341777	12.076573096	6.208429146	-0.757121213
## 1413	0.2800480976	-1.882470450	-3.232623364	7.841661812	6.076570282
## 1414	0.6559844117	0.424973944	13.618404839	-7.506395932	1.210657301
## 1415	0.4242530042	-6.860394814	-18.431743462	-6.805005713	3.035129121
## 1416	0.0657827953	11.401167606	1.304722278	-12.546532637	-5.406204643

## 1417	-0.1016325486	-1.954575934	5.678566159	10.186918791	2.545789508
## 1418	0.3306110806	3.754291279	16.365038879	-3.726304251	13.227593973
## 1419	-0.5464787786	-14.485886470	-5.982070892	-19.291903954	-1.541966538
## 1420	0.2866719376	-2.202441339	0.651542258	-2.668433686	3.532748875
## 1421	-0.7716655313	2.830274459	12.097775977	16.571382939	10.913998191
## 1422	0.0729730560	-14.341744636	12.513576600	-0.703056971	-4.421576183
## 1423	0.0795169568	-6.785293137	-8.745966758	18.748507278	-2.647998866
## 1424	-0.2166263495	4.839376048	14.803815787	-10.453765665	-2.063823296
## 1425	-0.1700042153	-4.002911781	-13.970735295	1.787649340	1.187549477
## 1426	-0.5430146086	-3.582536495	9.300195369	6.895694913	11.141795669
## 1427	-0.5759471613	7.095744464	15.067138204	-3.552285818	-8.800078503
## 1428	-0.3735103207	12.921305829	-6.366445072	7.184731708	5.796401906
## 1429	0.0371673043	-6.576483091	-10.871300249	-7.544274661	-9.049183992
## 1430	0.3537895659	4.608350325	4.559280540	-2.019173304	-8.470077330
## 1431	0.4410838864	-10.657493900	-7.088746559	1.043543408	-3.064150798
## 1432	-0.3658289517	1.391836387	-12.715605075	2.788720638	9.976118108
## 1433	-0.2312390910	2.437206332	-14.747396983	18.677719202	-1.302539193
## 1434	0.0332393066	9.321181134	5.570673116	20.207201987	0.302720568
## 1435	-0.1412863625	-1.584767056	-9.328904694	6.605923726	-5.639958103
## 1436	0.3434197641	7.906383464	-8.853543858	14.719684281	-4.470038243
## 1437	-0.0015652136	-9.165564526	0.112771475	-8.595245602	-0.351794605
## 1438	-0.0991332918	-4.655637657	-9.222863559	-9.508543604	14.536189429
## 1439	0.0888346507	-6.127965048	-19.489286072	-0.232725607	0.756025032
## 1440	0.5958746552	-3.024650376	-0.709948950	2.341976904	10.092996497
## 1441	-0.2318943272	4.277856833	-14.244929847	25.748651829	-5.177030446
## 1442	-1.0464912640	-12.716095671	-6.662748502	9.573940161	7.358621293
## 1443	-0.1889089947	10.278757811	0.903096090	-5.710094578	2.427738144
## 1444	-0.2638742614	-4.238716090	-6.536517537	1.408681624	-2.824121380
## 1445	0.1548606032	-9.702153471	-26.033798864	-2.814286781	-11.155002401
## 1446	0.3110550711	-2.402787705	-6.280353069	-6.771017776	14.086639115
## 1447	0.3774734555	-1.824087960	24.471492865	-1.044448666	2.834098934
## 1448	0.6408695851	-23.477299920	-4.579280533	-3.265175191	-1.484422350
## 1449	-0.0769888535	18.294365362	-15.845488678	-2.422807804	7.027946234
## 1450	-0.3993666398	-6.268285601	-20.142038917	0.380379552	-0.199462498
## 1451	0.5299136775	2.355819522	-13.279054817	19.774303314	-8.775527726
## 1452	0.0135299042	4.149900577	-8.081636009	7.664613211	3.640033067
## 1453	0.0054484300	5.467500076	-4.900972567	-6.134130432	-9.357103969
## 1454	0.0260696405	-8.548118824	-13.178126522	2.527800191	-4.712874573
## 1455	0.0589297867	-4.446318985	-5.963533979	-6.836224780	4.404200341
## 1456	0.1531554233	0.624422852	-14.143456353	1.835129547	8.865116457
## 1457	0.2986091915	-1.353785668	-2.792690533	-0.578707083	3.465081771
## 1458	-0.1689239140	-3.678709925	-0.067383083	-11.051537727	-0.163694777
## 1459	-0.1958209831	4.606319641	3.545982184	-9.781573993	7.322182607
## 1460	-0.0890868579	1.555088101	34.757090659	-14.390063302	7.823307549
## 1461	0.0139959792	-2.486362690	-15.115722111	-2.845223822	-19.279240159
## 1462	-0.0658063675	-0.700620996	-4.896435670	-19.192426602	4.413234711
## 1463	-0.0113670872	6.125292007	-7.483661890	0.766629438	11.210640272
## 1464	0.3169986600	16.249472148	-5.849987125	-5.257197976	1.515109020
## 1465	0.5901641817	-12.598766357	10.309106699	-8.898517912	6.319671068
## 1466	0.0961150811	6.255179166	2.902336754	1.308052876	5.658500668
## 1467	-0.0222203887	-1.620132045	8.336902435	19.404336469	0.438592753
## 1468	-0.2014560427	4.109834804	0.098586953	6.522842154	-6.894069709
## 1469	-0.2764996825	0.956641311	25.011172491	-6.609566632	-0.569484812
## 1470	0.6200524120	1.720851166	10.715947767	-3.309862561	-8.292709231

## 1471	0.1814258214	-5.496128990	9.217340921	7.148127733	-3.050334705
## 1472	-0.1013780580	0.417960876	3.227948403	16.995995429	7.040101294
## 1473	-0.2643439398	2.685102069	-9.194875595	-5.558216101	-2.611249657
## 1474	-0.1848754048	6.203516169	0.683613626	9.697428391	12.539366615
## 1475	0.0316599813	-2.712354690	-0.184227663	0.253809088	5.565718817
## 1476	-0.0919961560	3.671815773	12.170680124	-14.985785567	9.221646267
## 1477	-0.9471237770	-2.438805199	-1.902009233	-12.840969626	9.915399569
## 1478	0.1796115134	11.406613573	-12.663277686	4.686537488	-5.710005063
## 1479	-0.4546048975	1.266181261	-14.131667592	-15.944574911	-0.442623667
## 1480	0.3543172883	-13.179264397	-18.810204061	10.663297336	-2.645251761
## 1481	-0.2480418219	4.270409490	9.120087276	-1.044060122	3.913055910
## 1482	0.4816633126	10.858062641	7.415005528	0.830734907	5.611823653
## 1483	0.1158422923	-3.815858415	-8.325188177	10.403772145	4.369382835
## 1484	0.1589371645	2.669210980	-2.391469180	-6.878976991	12.054698725
## 1485	-0.1320580669	4.993522965	-13.114430160	11.863967348	4.148308103
## 1486	0.0430841780	-0.275639494	5.984187030	-4.795208770	2.815709237
## 1487	-0.2330881423	0.739099932	-18.275818508	-2.361758564	-3.578938185
## 1488	-0.3113983412	8.288507039	10.856314520	-5.933797205	2.946118467
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## 1685	-0.5717392719	2.375126073	-3.864104326	-8.651478866	6.322376589
## 1686	-0.5724384324	0.247009773	-17.925435814	0.658547034	-10.129412710

## 1687	-0.0149962582	-3.129176074	-15.443587465	-0.963424754	-8.379866501
## 1688	-0.1088980855	-0.591904843	-1.409972649	-11.927429712	-5.686903948
## 1689	0.6028221783	-2.378036712	-14.376043918	-8.840855193	-3.715131279
## 1690	-0.1074073840	3.099210207	-6.144844685	-5.292244620	0.554475731
## 1691	0.4218427796	1.653081904	10.712871540	-8.161459584	6.222463802
## 1692	-0.1440277591	-3.945369626	-24.768701029	-1.055236303	2.834752779
## 1693	0.1055422582	-1.539256824	-13.903556182	10.612150211	-3.890324667
## 1694	-0.2781441874	-6.585629603	23.156749050	-10.522013029	4.636210028
## 1695	0.3818072153	2.756203590	23.841908203	18.345899075	8.416817977
## 1696	0.1560387508	2.106052158	-9.192159002	-2.158790224	0.616699474
## 1697	-0.0961105419	-1.767688802	11.367940721	-2.501263397	-11.255621071
## 1698	-0.0009185233	-6.046957034	-9.440124631	-9.976953208	-5.927860831
## 1699	0.3412057389	0.149587949	-2.509484159	-11.643722911	6.285168847
## 1700	0.4409408012	-6.085832949	-17.793180950	-0.885080526	-0.315703824
## 1701	-0.5484933532	4.120750054	14.474182048	-1.873414208	-2.654867519
## 1702	-0.2082816886	-2.630230322	-12.007239342	4.706325649	-0.600925886
## 1703	0.3948047395	-2.727045564	-10.035079051	21.470996050	0.690804561
## 1704	0.0721735398	2.372456945	-12.754462901	-8.664166852	2.774941544
## 1705	0.4143889189	4.726875077	7.075072558	13.104480244	5.523629377
## 1706	-0.6964200180	-1.149557625	-11.050110906	14.203116815	-6.715926040
## 1707	-0.0693414593	7.442458578	-5.984821614	9.610497948	10.212146686
## 1708	-0.2820270800	6.933198089	-13.114717186	-5.555126961	-6.555215934
## 1709	0.4093854097	1.315325870	0.493221215	3.160361372	-5.185033249
## 1710	-0.1522469960	-6.638029255	8.946072928	-16.093238328	-6.263222234
## 1711	-0.2280130889	-2.854141331	4.570632548	-6.284648409	5.738590284
## 1712	0.1521846891	0.967042700	30.235271063	-0.182556532	-6.138722205
## 1713	0.2224542165	1.627999791	-7.050754527	11.330509045	-2.081511139
## 1714	-0.4007594799	-1.051727735	-0.204079338	-7.037662489	4.255158434
## 1715	0.5650450327	-3.184964338	-11.039089592	5.764466956	1.901661741
## 1716	-0.0295756222	5.889985673	5.583069996	7.539770419	-4.779179336
## 1717	0.1479584418	2.853633558	6.286802851	15.678539103	-2.147976159
## 1718	-0.3219686316	0.929767747	-21.490372341	-0.430360375	-0.625443284
## 1719	-0.5565746976	3.765448481	7.673993050	-1.793637812	-8.044672099
## 1720	-0.0367042608	4.201250710	34.538446819	18.660929631	1.907209581
## 1721	0.0217243005	7.027023402	3.720807471	-3.551205134	13.698061817
## 1722	-0.1245388370	10.411424416	8.464675933	0.624832142	-3.889598497
## 1723	-0.4452068228	2.686976490	-2.134344628	-1.868943949	1.684220164
## 1724	0.6568946165	16.187771768	10.065587292	2.151738027	5.241081187
## 1725	0.5936095636	0.158854070	18.873389075	-5.248528205	8.918952562
## 1726	0.5327058539	1.503149153	-3.529261136	14.785560618	2.502918998
## 1727	0.0804393319	5.906171019	-19.306136752	5.063179431	-2.442343020
## 1728	0.1567442773	0.526378795	-19.462439197	-0.032421784	4.841303203
## 1729	-0.2236128114	5.712858116	-6.615688878	11.299996445	11.466036339
## 1730	0.4432722428	1.597528699	4.318597530	13.888225355	-3.121943493
## 1731	0.0817421500	-9.595996272	-20.932206451	-0.799905625	-11.170541146
## 1732	-0.2906198230	-0.126384813	-10.228625510	-14.502080526	5.797006402
## 1733	0.5226102167	1.239142757	-4.474714304	-3.761800199	2.575953727
## 1734	-0.3042217592	5.557378351	15.036632696	2.332378427	1.578763388
## 1735	0.3172431841	-3.897728388	23.133403975	12.406563144	8.846924838
## 1736	-0.2691189279	-2.815576777	-8.547355486	-1.395723516	10.096192028
## 1737	0.1463326011	10.924088753	-1.129845835	-8.029834210	2.327684890
## 1738	-0.2091769031	-5.657387619	5.253168651	13.808781931	9.655029482
## 1739	0.0696088048	-2.014245468	15.982814048	-3.548011680	-2.906242640
## 1740	-0.1805294177	5.449035858	-6.764700337	-4.400895467	-3.518279023

## 1741	0.6140273374	-7.470578141	-4.408495806	3.306621435	2.282142205
## 1742	0.5451706350	5.943005774	-3.824749561	-1.533480753	-1.366567335
## 1743	-0.2390419109	-1.634204992	18.386468219	7.465928868	-0.535498636
## 1744	-0.4828150580	6.399967761	12.663585362	-1.541856759	-11.866744605
## 1745	-0.0551932140	-0.505877208	11.972482229	-8.528466517	-2.830033443
## 1746	-0.2394943826	-2.180858645	9.487637514	5.135964149	-3.904927881
## 1747	-0.1119112828	5.430941192	2.106517040	-8.844772917	-0.457292486
## 1748	-0.3282278195	-5.537136339	10.081649409	9.342623453	5.060714147
## 1749	-0.6166991896	-1.149410603	1.048302750	-6.476075166	7.877867419
## 1750	0.4222787433	-7.342884784	-1.979789752	-25.597743982	0.452128347
## 1751	0.1696403200	-10.127617201	-23.221100152	-4.449214821	-0.705934718
## 1752	-0.2024820935	3.887903180	-21.646053252	-1.467609384	7.406544869
## 1753	-0.7926528460	2.483154201	-8.958362316	-3.941246498	-4.344622123
## 1754	-0.9846064808	-7.777615755	5.690297312	-0.670896308	4.115791559
## 1755	-0.3313201037	11.997890017	17.058668794	12.533407324	8.725931329
## 1756	0.6518268888	7.489763156	-15.593092786	-7.911752363	-5.152096613
## 1757	0.4803713842	12.098086570	13.377812764	3.639067505	8.603968079
## 1758	-0.2749179316	-1.183282635	12.983779817	-3.382941136	0.274606156
## 1759	-0.0199504951	-6.372544445	4.274788873	-2.743204709	-4.393079274
## 1760	-0.1008836813	2.325756035	-8.750390432	1.777227868	3.424759878
## 1761	-1.0292648370	-5.089728848	1.804337414	-5.562400095	2.317129466
## 1762	-0.0056399717	-1.277173111	-21.584769744	-12.695115427	-10.608697966
## 1763	-0.4408520385	1.844435794	-1.939015152	5.610629339	-5.784227814
## 1764	-0.0753335428	-4.078915354	-4.428532524	1.690111707	0.357284149
## 1765	-0.4343612124	3.381206308	-15.935046331	-5.667149114	8.137616086
## 1766	-0.1801561555	-2.286261162	-5.719932731	1.431320074	2.862885818
## 1767	0.0811434531	14.520997876	-21.779527388	6.228387738	5.715566328
## 1768	0.3255472926	3.674730967	-18.436679524	0.382032803	-1.397064670
## 1769	0.2737411287	-1.267189057	-3.974417387	2.463395731	1.652865907
## 1770	0.1810684614	-3.256942987	-6.413112844	7.104050246	6.988960177
## 1771	-0.0621324370	21.370123767	-20.519900065	2.317888315	12.545708983
## 1772	0.5596902049	-3.566550941	-5.327503498	6.720303700	-11.786499611
## 1773	0.0852782206	14.288415614	10.542244687	10.836130877	1.473385433
## 1774	-0.0103854544	5.746145183	12.337452611	6.551467883	-7.932120508
## 1775	-0.1173116334	8.914494029	-27.321337840	-16.664550053	9.383207971
## 1776	0.0310240566	-1.013737452	-16.581516688	1.596861640	-2.607033689
## 1777	-1.1551480506	2.906966199	-1.085613573	5.591794536	-17.054316600
## 1778	-0.4005796760	-0.978595202	9.585219837	9.900490707	1.907277860
## 1779	0.1430857758	-8.378845258	5.205376071	-0.504205947	-6.226616616
## 1780	-0.4069038196	8.911377786	3.102407965	12.978994544	2.349386744
## 1781	-0.2313463906	-6.874705059	-14.891161771	-3.890424054	0.825723795
## 1782	0.2463781917	12.279843558	6.972069846	7.049178251	2.274574346
## 1783	-0.4206626441	12.262288747	-18.900234473	-3.015525346	11.512066973
## 1784	0.4233745561	2.771313400	-6.401867068	-1.384003337	-9.262550286
## 1785	-0.2448339213	6.139554986	-13.740625763	27.116548742	7.417512437
## 1786	0.0947243037	-0.984735898	-14.597826637	-4.157379449	2.858020719
## 1787	-0.0378642910	-4.589862233	15.041573331	6.353279185	4.607946923
## 1788	-0.0694168289	-1.904460662	-2.715200891	-8.790503032	-10.963866527
## 1789	0.4480870902	-1.325945989	-10.191988884	1.766617875	-6.943293801
## 1790	-0.6284716640	3.786236181	6.878215551	-0.342234116	8.448926844
## 1791	-0.0369480852	3.738242564	-4.563080237	-4.001886053	-0.124965901
## 1792	-0.0349723587	5.648354607	-11.851255624	-10.095056642	6.755094096
## 1793	-0.0115663604	9.967172222	-27.844881640	-13.899084861	3.831512854
## 1794	-0.2461835306	-7.385213400	7.734323320	-6.296557407	2.743118497

## 1795	-0.0012196977	8.158041443	-2.859976148	-5.670422088	5.264186279
## 1796	-0.3932588367	15.171678760	-16.131169565	1.111080526	-11.302423720
## 1797	-0.5025880471	2.880861621	-12.523233241	4.362178849	8.889378553
## 1798	-0.2528368431	12.057833560	12.425146825	20.576252707	2.336110664
## 1799	-0.3357958134	5.064571005	-10.248079503	2.873385050	0.395047297
## 1800	-1.1952839781	1.556250535	-6.390167155	-3.479997219	4.993601488
## 1801	0.7145007288	-6.885477300	-7.831377713	9.935654191	1.607522892
## 1802	0.0957649937	-3.738202789	8.885196133	-2.078437342	2.277411078
## 1803	0.4338875624	0.748712762	2.937529139	-8.707311384	0.843269562
## 1804	-0.2454083515	-5.056636986	-20.411662001	-3.452022731	-17.676319364
## 1805	0.3486167527	-7.759916159	-20.701303522	9.178634123	0.680483369
## 1806	0.5545046442	-5.588622386	-7.546828239	-3.516325304	11.286807815
## 1807	-0.0868389102	5.854370467	6.740617068	4.891809355	11.311821320
## 1808	0.1651545085	1.070865657	8.491505832	0.988268029	1.298706342
## 1809	-0.1806185495	5.269391059	-14.364123016	-8.589005071	-0.045078965
## 1810	0.1209737735	-3.167153517	13.408636778	2.598131037	-8.774513767
## 1811	-0.3288655023	-0.985316829	3.011597597	-9.939234333	11.149913234
## 1812	0.2325202546	-0.606038766	10.248570362	6.646854568	0.727224545
## 1813	0.0505284639	-12.279454781	16.924599398	5.226153433	6.485645134
## 1814	0.8841546852	-0.906742862	-2.085131777	-5.327580693	1.262472127
## 1815	0.1331754951	-5.199130373	-26.422474773	0.217301721	6.583584084
## 1816	0.7587841157	4.336124916	26.767266385	4.662232179	-12.318705120
## 1817	0.0878288651	2.509153533	-25.945266933	0.937425777	1.984187589
## 1818	0.1827237255	7.466673436	10.805377327	-0.808950757	-0.048203552
## 1819	-0.4456520517	-0.918126968	-5.879899434	3.238720650	-2.837698532
## 1820	-0.3689852367	0.540527195	-20.851653370	-8.346333527	6.044993282
## 1821	0.0840042788	-0.785951297	2.474500967	-5.758916714	-9.307804934
## 1822	0.6225349886	-2.221392407	-18.700810496	-4.578330851	0.741333793
## 1823	-0.0450642524	-3.663487136	-6.932757250	-3.215988647	-8.414438657
## 1824	0.1442681055	-7.085597726	23.625339454	9.014493887	-0.088535152
## 1825	0.0192568496	0.590746094	-7.962695078	6.089815345	0.353191649
## 1826	0.0280057420	5.415793829	-7.024840069	11.900826497	-6.107605579
## 1827	-0.4625601365	3.846804256	14.949020041	-5.832562636	7.395672108
## 1828	-0.0963248280	-4.971552465	2.273283359	5.496147618	-14.084037894
## 1829	0.6983037319	5.297455432	-4.415531033	-1.622693764	-0.944784921
## 1830	-0.3104677986	-2.231095220	-1.315407092	6.080660366	3.098788581
## 1831	0.0519524549	-4.612510201	-5.395169250	5.468402136	7.070195381
## 1832	-0.2944053678	-2.744239919	-19.262396978	-2.124281458	-12.261730070
## 1833	0.2074370572	-7.429317154	31.229620432	4.748978059	13.344650046
## 1834	0.2089636691	-2.327161541	-4.302072861	-4.979916661	12.277535189
## 1835	0.0008271498	8.747131110	-0.199364379	-6.812260579	-3.106382261
## 1836	0.3947966795	-4.356813332	-4.970325809	0.910181503	9.334310647
## 1837	0.2896906226	-7.658424877	-16.365774266	-8.900573018	-7.833906217
## 1838	0.0426323863	3.715761302	10.932198131	-10.106065843	13.500355570
## 1839	-0.1855424801	3.806807939	-7.480661973	8.775386366	-6.347276724
## 1840	-0.0384872672	4.489122060	-15.181444643	-8.245526433	-14.930633906
## 1841	0.1805323838	-4.685822710	0.440269074	-4.389304260	-3.262070162
## 1842	0.0195202796	0.895880540	-22.530328762	-7.713836986	6.127961158
## 1843	0.0262796517	1.053758185	3.107874606	4.205650139	-8.514743049
## 1844	0.3622080617	13.576535421	-2.023789444	-1.105773209	-5.579130789
## 1845	-0.0263418036	14.889045778	-4.417418975	10.622985189	-5.319049748
## 1846	0.1358347282	4.954234163	-18.909854501	9.797829839	-5.904588834
## 1847	0.0536834256	-5.803717460	4.825219880	13.857804778	-1.441505040
## 1848	0.3516289272	-4.193895638	0.578258539	0.154923286	-0.764878919

## 1849	-0.0571039867	10.090527871	21.440367402	7.412910230	11.548224710
## 1850	0.1761281982	12.684747588	-11.544365673	-10.159375419	-5.916876524
## 1851	-0.3593475704	6.994880006	10.372025409	1.982704959	-6.074946238
## 1852	-0.5097003814	4.925955051	9.385386116	4.377615335	11.173875950
## 1853	-0.5430607878	8.215367539	-18.521594649	12.286133505	-3.652901054
## 1854	0.0022718249	0.502467209	-16.971468916	6.686593441	-2.693963103
## 1855	-0.0684480683	-8.281993125	-14.094575796	-12.929126158	-1.401384816
## 1856	0.0173697245	5.793910357	20.830858582	6.228662693	-6.137082136
## 1857	0.4736264451	-2.481700550	2.076332508	-4.564022833	-3.752244415
## 1858	0.5294649241	0.373302307	-1.778866738	-7.615656690	7.379977907
## 1859	-0.2756531094	5.493469380	5.537339199	-7.458093823	-1.519837654
## 1860	0.5862645798	1.113890003	2.186425067	7.918000570	18.646131190
## 1861	-0.3621729774	3.767469888	-10.074515627	-8.196951586	-8.572493845
## 1862	0.5218225629	-1.191078827	5.117891604	-8.576111985	11.123998037
## 1863	-0.2376441574	-0.254112681	0.566165077	3.254995660	-2.145567648
## 1864	-0.2051151965	2.796198446	-3.509677214	-13.577813065	3.767268201
## 1865	-0.0510806681	1.569292773	-16.504950120	2.408317807	-8.713811503
## 1866	-0.2003765723	-0.069372813	-2.710110014	-0.560403601	-6.453600463
## 1867	-0.1586497177	-5.704437107	1.819635908	-13.437669567	4.750179097
## 1868	-0.1136846521	-6.579479546	0.988426616	1.117241416	3.806372932
## 1869	0.3975666027	0.321498933	-7.962059848	-7.899346482	2.710329140
## 1870	0.6471212351	4.886153315	-12.367250314	-11.440252141	-4.308731005
## 1871	0.2148033269	0.471521969	2.610093214	1.406544139	-2.927074002
## 1872	1.1196655070	5.728059358	18.144538872	7.673371957	-5.233744888
## 1873	0.1488189555	-6.374563257	14.454958150	3.987511267	1.699540299
## 1874	-0.1073839393	8.645955837	-2.104547523	-7.089037375	-2.568934741
## 1875	0.7157713729	-9.113596219	-31.690428244	2.914693794	-1.265088961
## 1876	-0.2219022213	-4.942095233	-19.495572812	-1.762801354	10.154865129
## 1877	-0.4704558530	-5.808714704	1.506569761	-5.592741149	1.707846238
## 1878	-0.1085241561	2.882855139	1.431162945	-1.788984356	10.932990567
## 1879	-0.0567451404	-7.233487155	12.061020837	0.061114508	-3.089051682
## 1880	-0.0228857824	-6.232862407	-12.442628268	7.370702806	8.794378273
## 1881	0.1286050476	-4.131097232	-17.568596825	-10.595494376	10.326724351
## 1882	0.2812237964	-4.492932706	5.242042034	-0.752367118	-5.344861347
## 1883	-0.0474080697	-1.047249426	17.609297719	-5.728944555	-4.563036007
## 1884	0.2428234070	-7.438768564	-7.258401194	0.525839339	1.750294600
## 1885	-0.2411945622	1.154570021	-19.364497878	6.361290835	9.588567002
## 1886	0.2630716725	5.964984204	-11.249776216	10.048165126	6.812160812
## 1887	-0.0734790489	-2.481212594	3.826272173	3.282903830	-7.783100362
## 1888	0.5507906949	5.745015043	-16.591983469	8.902332307	1.815520650
## 1889	0.0277558292	8.815059991	10.957575475	-2.079553875	4.440033504
## 1890	0.7703920653	-9.877978987	-14.122706242	12.296696790	-0.409066934
## 1891	-0.2598673088	-1.792473251	-2.591888865	10.263087485	-3.953403382
## 1892	0.3686122631	3.773923639	12.895356537	-1.973168719	2.177881203
## 1893	-0.3798044726	-3.773523954	-15.869904951	-0.081638992	1.908940098
## 1894	-0.1683317010	13.113336921	32.000385825	-1.317751600	0.366057619
## 1895	-0.1465715091	-3.395306395	-7.484072057	3.489171764	0.230923858
## 1896	0.0096301229	7.012994615	5.390126781	-0.582198417	1.225466791
## 1897	0.3254088325	-13.213273929	-16.675796804	5.173665290	2.623519921
## 1898	0.4422289038	6.887148635	7.277653529	-22.119771643	0.952499507
## 1899	0.2119710451	2.718491434	-3.811785929	-2.273771896	-7.306230696
## 1900	0.5917071885	-4.232547337	-10.321102653	-6.043264967	3.839640903
## 1901	-0.0337208209	0.188226738	7.042861357	-6.720168817	15.948546874
## 1902	0.2517167936	6.633129620	3.471063006	-3.309905164	2.681484266

## 1903	-0.0249282825	7.494378851	-6.484130262	-4.330559882	1.344327650
## 1904	-0.4954554128	0.047784785	-1.342326192	0.580194082	-11.697664856
## 1905	-0.1499681242	4.978791939	-13.958104799	15.512160606	-5.696114448
## 1906	0.4124176543	3.596999657	-3.277786983	10.118699113	-7.193396337
## 1907	0.1213671336	10.889749437	-24.582639057	6.527468647	1.809449584
## 1908	0.3994370388	-2.112031914	-24.279068499	-5.082093574	2.781034064
## 1909	0.1199816148	-8.207653934	-27.158558920	-2.093190201	-1.208477637
## 1910	-0.0863082666	9.823959951	21.038127964	12.198310766	5.478010313
## 1911	0.2526381093	12.593793030	28.186842029	-16.442433551	1.767928629
## 1912	-0.1583623884	2.728690013	-8.371444039	-4.642203015	-7.875754524
## 1913	0.2003868853	2.082735071	13.994853509	-6.554809111	-0.616594589
## 1914	-0.5405104565	-7.887049939	-8.467661086	-0.343459606	9.848257115
## 1915	-0.1802723725	-3.899762425	-9.185686664	0.117646214	-1.846428308
## 1916	0.0944421108	-13.041777169	38.847643080	NA	10.400211530
## 1917	-0.3075413467	14.963801806	10.534534589	-4.396066757	-0.270340006
## 1918	-0.2904142374	7.367961459	-45.116980951	-1.840864457	-4.866707068
## 1919	0.2677459556	-1.979815653	-9.900953926	-9.069792488	3.662438051
## 1920	-0.1207422206	4.120322797	3.401205981	4.206395117	-0.144348682
## 1921	-0.3598077376	0.407659120	-7.756099023	2.547850069	-10.763872535
## 1922	0.1151195919	4.054748702	-9.227057265	-6.753893048	-3.942210966
## 1923	-0.0317154843	-3.413986132	13.232766022	-14.820974910	4.273292350
## 1924	-0.4557754735	-4.111482994	22.521969427	-3.367059305	6.634720325
## 1925	0.0021233488	16.015455731	11.236523707	-7.234974173	-6.996208354
## 1926	0.4470829525	-11.374487371	6.742379109	-15.046508864	0.135781907
## 1927	-0.2020872395	-5.768678523	17.557401576	-0.449367481	-6.552818765
## 1928	0.3379137956	0.144402814	-15.694718614	1.799736738	1.516588323
## 1929	0.5145654487	-4.990062116	6.630723879	-5.243334303	5.569513971
## 1930	-0.3122813521	1.369141450	10.847721233	0.934863815	1.996333697
## 1931	0.2215650233	0.951428263	14.965572835	2.727596214	4.580467430
## 1932	0.1957098734	-6.509205751	-2.418118533	0.887264420	11.422175318
## 1933	-0.3776541170	0.235449002	1.461318361	-9.858262128	5.574913915
## 1934	-0.0655705050	-5.285010934	-2.689247242	1.008102961	-2.450001074
## 1935	-0.2371488767	2.940445393	-12.930313492	-5.629648099	-4.163123949
## 1936	-0.3254471596	-4.792941363	27.517540696	14.342586323	7.012193148
## 1937	0.3062115849	-0.637343347	-16.626069899	-7.701239859	5.491863263
## 1938	-0.1151152892	5.752638824	-11.994328851	-9.123006924	-2.907495998
## 1939	0.1465324919	-4.499338006	3.616914370	-2.458404179	7.605656766
## 1940	-0.1322951479	-2.717967197	-0.937149264	3.932288898	4.054780665
## 1941	0.4536454301	-15.450231225	8.849716554	16.498788404	-1.757738000
## 1942	0.5097924203	0.111348898	0.801136579	10.507751707	2.057292860
## 1943	-0.1826703961	-11.164673968	0.642469804	0.487559596	3.736161242
## 1944	0.0041492104	-6.394420263	7.850153332	-3.907016815	0.817591436
## 1945	-0.5691325363	3.166657903	-11.060918794	-1.325723315	-6.390109839
## 1946	0.4337530612	12.331971337	-15.109657024	5.818844159	-1.011050644
## 1947	-0.1161407340	5.020386285	9.393277447	-12.744797387	-4.971682355
## 1948	-0.2687001904	8.457494137	-25.808842466	10.235823270	14.254195016
## 1949	0.1217658356	-3.385900306	-12.084984609	1.897746949	1.588421937
## 1950	-0.6743721617	9.650402995	-2.046664234	2.920042930	-9.854288709
## 1951	0.5211646595	-5.642260837	-3.566446015	0.762426407	2.208606933
## 1952	-0.0888362186	-5.176561213	-16.447510376	-4.290686578	-1.759626318
## 1953	0.4385414602	4.122184525	-9.402855496	4.755002322	3.756985866
## 1954	0.7738752284	-1.024980115	18.829574191	-5.797216320	7.542979773
## 1955	0.1288882328	8.070933680	9.712398274	1.302905666	9.653406929
## 1956	0.1130949088	0.816655831	2.891409422	0.932118542	2.222777932

## 1957	0.7068906325	-0.208487935	-7.658152016	-2.358712642	-4.765928659
## 1958	0.1621277949	-4.098331285	-28.357335786	12.121421126	2.968571817
## 1959	-0.3306165049	2.526496801	-11.745316050	-1.166160361	-5.225786338
## 1960	-0.0936499986	6.154631307	-16.719859641	6.789393742	5.579406719
##	x5	x6	x7	x8	x9
## 1	0.804684188	6.718751486	-14.78999661	-1.040673e+00	-4.204950e+00
## 2	-2.426942937	40.477058158	-6.72570873	8.964210e-01	3.301654e-01
## 3	-11.311089777	17.812849785	11.06057203	5.325880e+00	-2.632984e+00
## 4	2.290223959	-35.111750528	-18.91359241	-3.370413e-01	-5.568076e+00
## 5	-0.616824461	-16.505816981	27.53228111	1.199715e+00	-4.309105e+00
## 6	10.716247645	15.747993238	-15.90032917	-1.780023e-01	1.090131e+01
## 7	14.265373989	-10.777451412	5.52332411	-1.175742e+01	-1.932222e+00
## 8	-9.511618484	-9.786614361	-11.66374963	8.783823e+00	-9.048005e-01
## 9	9.501879828	1.126553171	25.18684046	4.650334e+00	1.178620e+01
## 10	-7.620447780	-4.879186396	-16.97201971	1.089460e+01	9.426504e+00
## 11	6.936425193	16.497244633	37.98870587	4.517952e+00	1.746796e+01
## 12	2.329663118	-9.333019852	36.86088707	4.199637e+00	-5.956932e-01
## 13	-2.782211888	18.153111699	-27.85643251	-3.712792e+00	1.306075e+01
## 14	16.906327011	1.203449465	-58.91424265	-6.254991e+00	-2.284600e+00
## 15	6.440828580	5.638760983	-14.08849086	-1.321488e+01	4.482768e+00
## 16	-1.608267684	9.451580548	-33.50759966	2.614481e+01	-1.866048e+00
## 17	-2.140678119	-17.148392757	-32.69786665	-1.256910e+01	-5.105270e-01
## 18	-5.800666334	2.552053475	42.85571837	1.129580e+01	4.298650e+00
## 19	17.927492115	13.265271606	34.17020530	-3.167483e-01	8.300755e+00
## 20	-15.341712862	7.819943346	26.03765455	1.931637e+01	-2.330251e+00
## 21	-4.474766734	-4.493465227	32.49668746	2.609671e+00	-5.396586e+00
## 22	2.361524878	26.104193335	-20.77244315	-5.952444e+00	-3.090775e+00
## 23	-0.577212750	-10.046736522	31.81587321	-6.824648e+00	-1.190848e+00
## 24	10.780522486	-9.798539288	-3.16660886	-1.083802e+01	6.468867e+00
## 25	-1.683863033	13.771943556	5.47760785	-5.659519e-02	1.414910e+01
## 26	-3.219647170	-15.552565072	29.58480689	-1.203064e+01	1.286215e+01
## 27	0.607820084	-10.296073558	0.35774751	4.700736e+00	-2.943950e+00
## 28	1.746724461	-11.846308092	5.57235655	-5.389051e+00	-9.952845e+00
## 29	11.441921389	-16.548174521	-34.29420872	3.246933e-01	-6.406479e+00
## 30	11.270850068	9.077654817	-33.35306920	-5.373054e+00	3.055698e+00
## 31	2.746008435	-24.295452983	38.87314440	9.980948e+00	2.700147e+00
## 32	0.127824746	-0.540548807	5.62133655	1.336424e+01	-9.480284e+00
## 33	1.587842154	5.402613274	-2.38642369	-3.220160e+00	8.051343e+00
## 34	-4.326215460	12.178429007	-16.96004010	6.872847e+00	5.685116e-01
## 35	9.971672715	-8.403625657	-13.65171155	2.783333e+00	4.748303e+00
## 36	-12.276721370	10.422855120	-11.91910792	8.897299e+00	-3.331814e+00
## 37	-10.106647726	-53.773562326	-53.97163114	1.613774e+01	7.476553e+00
## 38	9.126578202	26.493855416	-1.82032862	1.674310e-01	2.270086e+00
## 39	-3.117113268	8.496431102	-24.67422306	5.301461e+00	8.047867e-01
## 40	-1.652206859	2.561255810	32.44465753	1.941415e+01	1.032991e+01
## 41	-8.748111846	20.958164292	-10.11132913	-1.208456e+01	7.390452e+00
## 42	6.502615025	-4.467779470	-29.53989513	1.444284e+00	1.081985e+01
## 43	0.521186081	25.118144699	-19.98912579	2.759451e+00	3.932631e+00
## 44	-6.235701337	-14.921179695	-30.71752208	-5.946782e+00	-1.163739e+00
## 45	-11.499240574	-2.392350485	-24.49047038	3.098731e+00	-9.015494e-01
## 46	17.607153763	22.794231962	3.50918681	-2.434251e+00	4.843451e+00
## 47	-19.503274555	22.893353111	26.44152525	-1.033468e+01	6.295634e+00
## 48	-3.394817430	23.131065172	-33.69379369	-1.773086e+01	-1.194703e+00
## 49	2.197958775	8.795255710	NA	1.399448e+00	-1.999765e-01

## 50	3.412517036	15.520181706	9.89893825	8.844544e+00	3.759281e+00
## 51	3.403441316	15.997653663	39.94503536	9.909067e+00	9.399871e+00
## 52	-14.301809033	9.890271026	15.61400929	9.916549e+00	2.693564e+00
## 53	1.422651186	9.875767408	-58.97176583	-3.624509e+00	2.192663e+00
## 54	-0.874049133	14.389496262	-29.72918196	1.071392e+00	7.185702e+00
## 55	17.176079867	-31.168065979	-5.35440201	7.284628e+00	9.242545e-01
## 56	9.334595787	-32.167966879	6.59972764	1.399558e+01	1.560415e+00
## 57	8.062337402	-14.001419151	7.02659239	-3.093935e-01	-1.435215e+00
## 58	5.382796153	-14.864871455	-37.04286561	5.727642e+00	-3.223317e+00
## 59	-7.094795654	15.134082369	63.45534121	4.380873e+00	-8.374019e-01
## 60	-16.188887724	25.737665068	7.30594992	5.664654e+00	-5.955047e+00
## 61	7.508814817	35.168539177	13.06962977	6.281540e+00	-1.430669e+00
## 62	-3.813335373	26.203749295	19.42111150	-8.390046e-01	-2.584141e+00
## 63	7.859702181	-34.192412499	-23.39884765	-7.917006e+00	-4.589426e+00
## 64	-8.289796114	-0.192782324	6.90287659	2.928767e-01	3.232259e+00
## 65	15.897799918	8.529704027	-21.39709830	-7.102945e+00	-3.056880e+00
## 66	7.007005121	11.085058354	-58.93806909	-5.704240e+00	-1.019155e+01
## 67	15.167547995	-13.521069136	-15.43295330	-5.620701e+00	9.792179e-02
## 68	3.784677604	14.404644142	28.18897491	-9.866937e+00	4.364661e+00
## 69	-3.793186144	31.627917695	3.27377199	-7.967378e+00	3.833406e+00
## 70	0.058260846	42.722349209	56.07835843	2.896866e+00	8.990246e+00
## 71	4.898774251	11.741023507	15.36628762	7.175796e-01	1.138881e+00
## 72	3.949565708	-18.340740629	10.37377502	-1.846424e+00	7.291134e+00
## 73	8.687764191	7.807961194	-38.94117916	-1.059441e+01	2.619786e+00
## 74	10.592294370	-22.549332341	25.37261741	-9.351038e-02	-3.120574e+00
## 75	14.869211651	17.999657907	-20.02063427	5.093808e+00	1.672075e+00
## 76	3.321913955	-13.244528466	-88.93734200	-1.251281e+00	4.834392e+00
## 77	3.026055075	-27.730353096	-1.86800296	-4.065433e+00	1.195210e+01
## 78	11.459739184	-5.839148383	-5.39120327	-9.224783e+00	-7.086147e+00
## 79	-13.386901452	-21.433444715	-47.63033306	4.662957e+00	-3.505548e-01
## 80	-3.311283943	-5.681755065	2.92145184	5.975085e+00	-5.225631e+00
## 81	3.840684333	-6.742572766	13.37526260	7.055611e+00	-5.358450e+00
## 82	-14.619613977	-29.370801809	-2.71754120	4.754037e+00	7.115157e+00
## 83	-5.186874248	-11.001997208	30.79101090	1.303326e+01	-9.549770e-01
## 84	-3.768208365	-14.004375029	4.78427924	-2.857403e+00	2.185497e+00
## 85	4.122730864	12.410629319	-19.46110291	-1.774724e+00	-1.049470e+01
## 86	-7.667002321	-14.870826314	41.74972350	5.022430e+00	-8.807793e+00
## 87	-5.262518859	-5.421176573	21.86495326	-2.298824e+00	2.217447e+00
## 88	-6.435908525	4.997081231	61.54199979	4.426743e+00	-4.744634e+00
## 89	-1.738072751	9.066944925	46.22347419	6.975656e+00	2.795375e+00
## 90	-3.065738641	1.453745552	20.55735339	-3.750671e-01	-6.679526e-02
## 91	-4.137766405	-5.291514131	-19.79040921	-5.160249e+00	2.874918e-01
## 92	10.260374199	-1.622930981	-3.56523731	2.365349e+00	1.303924e+01
## 93	-14.896456982	12.344512283	-24.52918998	-7.803138e+00	-3.716739e+00
## 94	-12.684415481	7.120098749	44.51510977	-9.467328e+00	2.017689e+00
## 95	1.723742496	-43.349064011	2.70984558	-1.039396e+01	9.543740e+00
## 96	16.370259298	30.875643214	-5.61439606	7.438282e+00	4.012222e+00
## 97	-18.528081858	-21.082451996	-25.67134904	9.328282e-01	-8.618888e+00
## 98	-6.132637758	3.247204879	-23.88453113	-8.997043e+00	-5.788495e+00
## 99	10.537243414	19.915457557	-0.05263629	6.891387e+00	4.516844e-01
## 100	11.913148660	-7.828704938	-33.87929676	1.234832e+00	3.514654e+00
## 101	6.450784943	-39.039796946	-52.73464897	4.845249e+00	3.427409e+00
## 102	-7.755818652	-24.077053681	-1.96031850	8.812541e+00	5.770268e+00
## 103	-9.058789909	-9.023514333	-19.74715795	1.307094e+01	-1.070337e+01

## 104	-11.063495138	65.125469407	-31.88733461	1.523922e+00	3.415486e-01
## 105	-1.909483412	13.977340580	-22.33186645	1.253533e+01	-7.597613e+00
## 106	-4.150757108	-10.552863028	37.70461612	1.424474e+01	6.354316e+00
## 107	5.112397134	1.275450791	-5.86935493	7.475274e+00	-6.117577e+00
## 108	-11.301938443	-7.178184272	-36.16688977	8.701306e+00	-1.819542e+00
## 109	-3.638876989	-0.418135838	-35.86293771	1.511316e+01	-1.772818e+00
## 110	1.107597130	2.937813311	-17.74975988	-4.693356e+00	1.145510e+00
## 111	1.706883589	5.558335655	-41.56345414	-1.420017e+01	1.072525e+01
## 112	11.737021511	-8.583842538	9.29218520	-4.212016e+00	-8.721648e+00
## 113	-11.306931561	-7.900501565	-35.42507752	2.233191e+00	-4.687222e+00
## 114	-3.931536665	-29.315598410	-76.76377427	7.121189e+00	9.283291e-02
## 115	5.451706827	-17.592459116	-60.62124411	3.874679e+00	3.346316e+00
## 116	-2.776638221	-8.488476845	-3.86035414	-1.479672e+01	2.017301e+00
## 117	-5.941617917	18.658883476	14.14588671	-5.474400e+00	-6.941662e+00
## 118	-0.625613282	1.302100200	30.94608927	1.720951e+00	-4.509563e+00
## 119	-10.262852763	-9.555282232	-7.02052564	1.619402e+01	-8.880463e+00
## 120	6.509136903	-57.887971250	-92.26431642	4.020082e+00	7.627310e+00
## 121	-8.704053269	-23.270078423	-27.49592710	-1.370862e+01	4.641024e-01
## 122	-1.107399807	-7.731913825	8.19392397	-6.957890e+00	-3.282677e+00
## 123	-0.800033455	-22.840962719	-41.34970864	6.725539e+00	-1.440728e+00
## 124	5.368507434	6.554985125	-56.52263590	6.711568e+00	-1.952557e+00
## 125	-3.659418016	8.884066022	19.61828567	3.235149e+00	-2.981799e+00
## 126	-12.778571113	19.249035534	-0.85050773	-4.816666e+00	-6.866018e-01
## 127	-1.850305921	-10.073876066	-8.43245008	2.449209e+01	-5.653426e+00
## 128	0.849398280	11.487230744	-10.91088969	-7.432121e+00	1.762118e+00
## 129	-4.755780268	1.986030937	50.11713511	-2.143362e+00	1.891262e+00
## 130	-8.642857819	8.017155662	0.33128233	-9.116949e+00	5.078664e+00
## 131	11.920186629	10.633544964	-20.98842441	1.188137e+01	-2.438557e+00
## 132	-0.344330480	37.575695638	16.38312111	5.680593e+00	3.867771e+00
## 133	2.927297606	-5.591449440	3.98038459	-5.221131e+00	-6.110028e+00
## 134	-2.773571407	17.726797044	2.55323766	1.331429e+01	4.541576e+00
## 135	-12.034309182	0.227695484	5.11866138	7.170900e+00	2.002602e+00
## 136	-13.728033367	-32.243558677	-59.66602794	-2.550642e+00	4.452620e+00
## 137	-18.980113172	-11.798967497	12.97438242	-1.883875e+01	-1.334387e+01
## 138	2.400905047	-12.683807464	-40.17213374	-5.240877e+00	-8.687442e+00
## 139	-11.635415701	-30.148415636	-74.27085006	-1.436679e+01	-1.135940e+01
## 140	2.706981149	-20.494269416	-6.76414860	-9.288744e+00	-4.140659e+00
## 141	-13.410343343	12.274259722	-19.77759963	1.835050e+01	2.064387e+00
## 142	6.691872504	5.654073718	-12.59225706	2.069777e-01	-3.131267e+00
## 143	-8.544336327	4.504049666	-68.95464011	4.316789e+00	1.313935e+01
## 144	2.442952465	-22.276880182	-43.36712227	1.592172e+01	-9.266276e+00
## 145	-19.077942941	-25.568511961	44.83665260	2.251819e+00	-6.361984e+00
## 146	5.790699324	18.129785736	-36.06118736	-2.733768e-01	3.796193e+00
## 147	-4.924353682	-4.197742649	-24.74824618	-8.383953e+00	-2.958746e+00
## 148	3.537084623	17.307418542	16.20786588	-1.112749e+01	8.463675e+00
## 149	7.679334194	25.334472539	-10.46372410	9.022389e+00	8.186059e+00
## 150	0.199709200	-3.115741889	-44.45918633	4.079729e+00	1.551121e-01
## 151	-7.873056598	4.185900042	10.39109456	-4.469851e+00	6.732522e+00
## 152	-12.455219256	-2.296016344	-60.91956355	-1.049006e+01	1.430530e+00
## 153	4.117972927	-7.093290557	40.41011020	-1.855904e+01	5.335397e+00
## 154	-8.764073742	-12.448115078	-19.21586391	-1.006883e+01	-4.359539e+00
## 155	-4.408499340	-10.234322417	-18.19531677	1.156791e+01	-2.531162e+00
## 156	0.811031154	-9.491567351	3.97455716	2.445079e-01	6.202144e+00
## 157	4.034316510	-36.459292103	-6.52431064	1.604664e+01	-5.132921e+00

## 158	-1.374095524	-12.917729399	-12.63551117	9.878083e+00	-2.804240e+00
## 159	-1.212421573	40.839702838	3.81105202	2.910904e+00	-9.266954e+00
## 160	-4.296228297	39.265725048	36.14471422	-1.383208e+01	-1.426950e+01
## 161	8.642386717	3.438949354	-2.89855912	1.583057e+01	1.712925e+00
## 162	2.202657893	-19.820882509	-1.11953100	-3.655906e+00	2.259000e+00
## 163	-2.928095720	-4.110925078	-22.06124925	3.936268e+00	1.268687e+01
## 164	-4.961563591	13.173887515	-10.73792866	-1.175379e+01	7.793134e+00
## 165	1.848704493	17.374106519	10.34623472	1.229591e+00	-4.743792e+00
## 166	10.228721067	24.005233193	-7.33729687	-7.634381e+00	-1.870027e+00
## 167	4.551383167	25.806680740	44.23343325	-2.631371e+00	-1.578138e+00
## 168	-12.863610768	15.189803324	-44.62522338	-3.543651e+00	-1.232248e+01
## 169	-7.819524442	-23.185816184	18.69957032	9.945509e+00	9.600450e-01
## 170	-12.299349708	20.522681370	18.99551564	1.418557e+01	-9.941098e+00
## 171	-7.597224584	-4.786317895	0.76997276	7.757896e+00	-1.278174e+01
## 172	-7.826494650	-8.453169138	17.23474843	-8.338647e+00	-4.016185e+00
## 173	-7.489186194	1.679013662	10.69396123	-8.551406e+00	3.166167e+00
## 174	0.467064493	-36.154144246	-9.90616585	9.844432e+00	-4.049768e+00
## 175	-4.225876037	22.870201588	-39.11786939	-9.167860e+00	1.180288e+00
## 176	-0.059574643	1.262131102	-24.12814060	2.110694e+01	1.683706e+00
## 177	-2.278528315	6.009307637	-5.13122150	2.711132e+00	-5.539485e+00
## 178	3.284457221	18.925373415	-30.21599551	5.219068e+00	-2.910018e+00
## 179	7.479310632	19.161971648	-33.66383302	-1.721384e+01	-2.062540e+00
## 180	0.233335594	-9.133776447	-14.16093352	-3.601314e+00	-7.206689e+00
## 181	4.648113702	8.512432958	-16.12865362	-3.566387e+00	7.012391e-01
## 182	2.113245923	1.154265208	7.53996877	-4.250651e+00	8.214992e+00
## 183	-1.981443428	-13.229512811	-46.60401099	2.770117e+00	-5.430248e+00
## 184	-4.631137812	2.559703920	-35.48886537	1.380293e+01	-1.181263e+01
## 185	-0.868996752	-8.591355522	16.77852712	4.517767e-01	7.304300e+00
## 186	-4.889665650	4.550944441	41.91790086	-4.837381e+00	7.213244e+00
## 187	6.547675799	25.706388887	25.02960149	-1.143873e+01	-7.289395e+00
## 188	9.452978100	-3.651779473	42.84267580	1.348044e+01	-8.261672e-01
## 189	4.634191473	15.346685211	-16.93649920	-3.146519e+00	-5.055904e-01
## 190	-1.640408029	12.705187063	-1.84990839	4.427369e+00	-1.806120e+00
## 191	-4.185657430	-12.716304867	-40.99131090	-2.883267e+00	-3.341966e+00
## 192	-0.095344012	22.970085403	15.17276731	-5.546356e+00	7.780836e+00
## 193	-4.997435319	-44.482799846	-72.81675326	9.922508e+00	-1.929622e+00
## 194	-2.958599973	-24.824684368	-49.71850035	-4.503437e+00	-6.133391e+00
## 195	-3.545841294	-22.666306866	-12.20071566	8.793688e+00	7.576719e+00
## 196	-14.585326475	18.648876818	16.28459418	3.676245e+00	-5.869616e-01
## 197	-2.769243873	17.300879846	-19.42812442	5.666885e+00	-5.202188e-01
## 198	-3.271654806	10.219818709	-27.93575786	-1.590510e+01	-5.757664e+00
## 199	1.155545031	-10.681071088	-24.65626150	-1.316855e+00	-3.389761e+00
## 200	-1.225334785	-0.527583786	39.02009180	4.996087e+00	6.071491e+00
## 201	-9.613269085	-19.749201509	-4.88382521	6.206196e+00	6.766617e+00
## 202	-9.940360853	23.356505628	16.20564461	4.443051e+00	-6.856796e+00
## 203	-2.075568822	-8.585487136	-12.51895708	1.487282e+01	-3.976250e+00
## 204	-11.299691857	-2.872160042	40.54481186	-9.398839e+00	1.081590e+00
## 205	-3.412897433	9.398912379	15.06297445	-8.262687e+00	-1.845009e+00
## 206	-2.116806937	5.862612543	-27.33594664	5.389885e-01	-3.452196e+00
## 207	16.176954857	-22.492600450	16.14209820	6.386310e-01	2.149578e+00
## 208	-15.828209934	20.530939436	11.47490445	8.224855e+00	1.639833e+00
## 209	-9.185483457	19.501030217	-28.70907022	7.089651e+00	8.034953e-01
## 210	8.285655863	-6.640411329	-3.36437102	8.103207e-01	-2.006958e+00
## 211	-1.520787792	2.345598692	7.18981623	-4.169593e+00	-4.921364e+00

## 212	-3.544581412	11.140567903	50.03457774	1.175609e+00	1.857052e+00
## 213	-6.843671863	-13.689706986	8.03386211	1.157506e+01	4.082766e+00
## 214	-1.065270191	-23.687412558	-18.13835876	-4.562503e+00	-3.447682e+00
## 215	3.463000030	-21.462828731	10.09060437	-2.714793e+00	5.374789e-01
## 216	2.144089698	-48.998318235	-12.49246662	2.166791e+01	-1.016826e+01
## 217	-2.326476303	-16.792951088	-6.03411362	1.140079e+01	9.719719e-01
## 218	-1.706216296	-4.227269680	-8.03390804	-1.725995e+00	-1.654943e+00
## 219	-7.117405266	-1.814792407	-37.91754668	6.764263e+00	-7.166095e+00
## 220	-5.576054782	-21.562346542	-28.25265063	6.754977e+00	5.566092e+00
## 221	-3.870985949	-8.607111153	5.62979866	-7.618017e+00	5.167678e+00
## 222	-9.703979760	-23.562735859	-16.85799371	-1.844123e+00	-1.068438e+01
## 223	5.988077752	1.870433664	3.14116987	-2.148484e+00	-1.123952e+01
## 224	6.958022332	-4.770646511	37.49373303	-3.195409e+00	-6.493895e+00
## 225	4.841413843	-17.591221150	-31.26749090	-9.930747e+00	-4.736013e+00
## 226	-5.066715967	14.745994535	-38.16008022	-4.800138e+00	1.147158e+01
## 227	-2.146418002	3.151054720	31.30095790	-1.071537e+01	-1.142852e+01
## 228	-4.066328535	25.049703703	-25.75023496	-1.470365e+01	-7.777101e+00
## 229	2.383169852	0.042082019	-9.11977180	1.444856e+01	-2.641800e+00
## 230	-9.287893824	-29.554567101	21.23202463	1.612224e+00	8.252216e+00
## 231	-5.943028648	-7.066903874	32.81234086	-5.160042e+00	3.641042e+00
## 232	-0.273316103	5.701229297	-2.84379267	-1.014033e+01	-6.956137e+00
## 233	-0.242832818	-16.973773030	3.33522650	1.083869e+01	-1.599763e+00
## 234	1.248611353	8.331985831	-2.32700090	-4.679788e+00	6.853913e+00
## 235	-0.818451989	5.365315458	-27.24289043	9.332119e+00	-3.641857e+00
## 236	8.680792809	-4.761456663	-6.95487742	1.369002e+01	-8.604671e+00
## 237	2.175767172	0.397452994	25.00997466	-5.513200e+00	6.093760e+00
## 238	16.266869560	-24.870090044	-72.55429305	9.378657e-01	9.026815e+00
## 239	13.048378401	23.112988386	20.34666308	-1.686605e+01	9.580956e+00
## 240	-4.248376997	8.928800577	-6.95573223	1.317263e+00	-6.671919e+00
## 241	-4.830114244	3.711613539	-34.56833218	5.724427e+00	5.339430e+00
## 242	11.933925338	-14.142714303	-48.79552027	1.133690e+01	1.372126e+01
## 243	-4.670533795	-28.863654715	-23.94319874	1.667014e+00	-6.767149e+00
## 244	-5.138785993	-20.132186597	0.82451078	9.716899e+00	5.237133e+00
## 245	1.352421207	-13.807905783	-84.31248491	-1.894883e+00	2.456718e+00
## 246	-1.684260413	-11.426216912	-1.10599085	8.271753e+00	-6.129335e-01
## 247	-7.028200298	25.617607670	-17.79001460	1.068338e+01	4.526449e+00
## 248	5.411942402	21.853212912	-13.08812290	-1.693717e+01	-3.463261e-01
## 249	12.295975041	-11.015330555	-8.93612053	-5.409312e+00	3.190597e+00
## 250	10.395790608	-18.539952567	-40.05494554	-4.710265e+00	4.363496e+00
## 251	1.035724666	17.460567160	-16.91400294	-5.442350e+00	-5.592436e+00
## 252	1.277146902	-10.252513980	-40.37353123	-7.064327e-01	1.528276e-01
## 253	11.909265244	18.393422548	-49.51154758	7.022057e+00	-4.818120e+00
## 254	13.479880279	-7.148421667	-19.33207280	1.207100e+01	-7.262082e+00
## 255	-22.347752553	8.431434210	-11.55021166	-1.884562e+00	7.324848e-01
## 256	-9.793593977	16.443477741	-23.93013951	-1.242280e+00	5.412351e+00
## 257	-4.097378576	12.314653254	-0.72486709	-3.681778e+00	-9.684866e+00
## 258	2.137356100	-11.407124194	20.58239758	-2.425083e+01	6.749640e+00
## 259	17.541507027	9.745613513	18.48357008	5.625906e+00	-6.585799e+00
## 260	2.407601015	9.434110822	-22.92173191	1.493094e+01	-3.775738e+00
## 261	-19.716562443	-37.487253979	-50.85568037	4.718399e+00	1.722850e+00
## 262	-0.920399649	-24.275087693	-72.39507098	-3.854784e+00	4.122111e+00
## 263	0.101587223	12.364122259	-10.79453111	3.522036e-01	4.073021e+00
## 264	-4.119534092	7.678392178	25.62894438	1.428404e+00	-5.104515e+00
## 265	-11.454784950	-17.808273006	-27.60659655	-1.315389e-01	-9.889697e-01

## 266	-8.502837358	-4.218653712	-23.28924915	-2.869665e+00	3.007741e+00
## 267	-12.078025949	56.724173233	32.85290838	4.705888e+00	-4.386719e+00
## 268	14.322794965	7.438737422	-25.05303611	-1.117856e+01	4.680686e+00
## 269	2.497429307	12.370238444	18.36471428	-1.109586e+01	-2.512718e+00
## 270	6.891987025	-6.484388124	-8.62976074	1.044914e+01	2.716712e-01
## 271	-11.509209530	18.672893982	-24.02566223	3.687996e+00	-1.368032e+01
## 272	-3.962913674	-16.061992661	5.17438988	8.341267e+00	9.082690e+00
## 273	1.022241020	30.598949232	27.38370670	3.795151e+00	-9.201447e+00
## 274	10.929089063	19.318913674	5.89490897	-2.084919e+00	-5.289293e+00
## 275	13.592818834	21.409901321	-35.10049763	-5.261058e-01	1.157817e+01
## 276	-14.106301325	-1.005716812	-42.64570350	7.223269e+00	1.584925e+01
## 277	19.634992101	18.440711863	-10.40942231	-1.596735e+01	-8.772160e+00
## 278	1.574950183	-2.687465162	-1.05687926	-2.083682e+00	-5.138017e+00
## 279	-1.813719159	-19.297973874	-25.06311903	1.189776e+01	1.296509e+00
## 280	-0.174153934	12.126883175	5.69942578	-4.611460e+00	3.056791e+00
## 281	-0.681966419	-28.064433469	-48.44867030	1.107582e+01	1.213549e+00
## 282	2.181212717	-17.318674344	-4.15874400	-1.475466e+01	-1.493146e+00
## 283	-0.684694637	1.958810134	63.46027652	-9.939138e+00	-2.516972e+00
## 284	-1.575091862	14.975352446	-41.21813631	1.194956e+01	5.669641e+00
## 285	-4.812202777	-15.497041329	64.55010953	-9.487217e+00	-2.987168e+00
## 286	2.079429455	1.706526186	-10.93903750	7.786384e+00	-8.991432e+00
## 287	-12.355739723	12.311767397	6.39619140	-6.001025e+00	-1.418893e+01
## 288	14.186867230	-14.001118690	3.64844032	4.384222e+00	7.287839e+00
## 289	6.886206609	6.985936819	-29.54838701	5.598152e-01	-1.129368e+01
## 290	3.809238326	2.080850533	20.51816070	-1.742555e+01	1.389218e+00
## 291	4.047015059	16.554742200	40.49030920	5.705760e+00	-5.416829e+00
## 292	-13.151411061	-0.139624631	16.65842456	8.237099e+00	-1.142834e+00
## 293	5.193826326	39.695141434	31.45976819	2.660019e+00	4.779772e-01
## 294	9.764055122	16.851894420	-36.19937251	-3.549536e+00	-1.303411e+00
## 295	-7.321957556	3.515810179	10.13872339	1.412646e+00	-2.909903e+00
## 296	1.178405338	5.986105318	-4.91724357	3.194710e+00	2.438556e+00
## 297	-5.625717222	-4.435058531	-57.39752824	6.172958e+00	1.646134e+00
## 298	-6.948651863	-11.224782241	-11.39135485	1.459384e+00	-1.879988e+00
## 299	8.015242201	3.538954349	64.21277711	-6.287420e+00	-1.909710e+00
## 300	3.266227489	13.359120189	-19.94570029	-4.164252e+00	-8.320779e+00
## 301	1.934082796	6.617877618	-13.52169692	-9.864445e-01	3.931478e+00
## 302	-1.331495268	-1.228402622	16.19277748	4.888852e+00	6.598903e+00
## 303	12.211375325	6.392872031	2.25891320	-8.231987e+00	7.784395e-01
## 304	-6.796667335	13.276649695	-45.46533186	1.284924e+01	4.747404e+00
## 305	-3.553170573	-10.758406470	-71.45093130	-8.846203e+00	2.369892e-01
## 306	-5.396033446	32.522592124	27.17738371	-1.312322e+00	3.103799e+00
## 307	-0.737232591	-11.647646685	-15.90674153	2.016833e+01	4.613651e+00
## 308	0.167550949	14.797652439	-6.15629060	-1.517852e+01	-5.009885e+00
## 309	7.843129715	-18.312516006	-27.78729346	-8.654246e+00	1.689779e+00
## 310	-10.018538364	-11.057051205	-22.65107185	-3.227441e+00	-2.465524e+00
## 311	-11.898454446	-1.432198522	28.11479806	-5.489367e-01	1.080278e+01
## 312	-2.122939644	-23.241357259	-24.72701434	-1.780101e+00	9.092292e+00
## 313	-8.235404093	1.825355709	-37.20254134	8.054817e-01	6.853140e+00
## 314	-3.974633298	18.679310082	-31.10500539	-3.499263e+00	3.200203e+00
## 315	1.526507188	18.048645437	-31.64115121	7.107342e+00	4.990618e+00
## 316	-8.054994762	23.559012665	-16.87765674	9.537718e+00	-5.329868e+00
## 317	4.110055216	16.863192659	8.26796080	-8.319677e+00	1.850286e+00
## 318	0.685637580	-18.836574595	-42.59296374	1.473841e+00	2.166056e+00
## 319	-3.729089102	-9.136785121	-27.90473463	3.463224e+00	2.779849e+00

## 320	3.088237506	30.364190771	23.13617578	5.761036e-02	6.164281e+00
## 321	-0.990591310	-2.398214498	20.00820864	7.050803e+00	-2.699981e+00
## 322	3.677824405	12.385726435	-11.69329183	-1.586401e+01	-5.705924e-01
## 323	-0.574717965	-31.284570999	1.01100170	1.210070e+01	-4.707985e+00
## 324	2.868714330	28.241595145	28.15257910	3.278602e+00	6.406420e+00
## 325	-0.238390120	5.888446697	8.24076593	2.026593e+01	1.968232e+00
## 326	-11.077267240	20.365245976	-21.57568799	-7.890955e+00	7.534121e+00
## 327	2.983612624	13.143207711	18.16314663	-1.478326e+01	7.956479e+00
## 328	-11.310829895	-4.810849418	-6.15625126	5.330269e-01	-5.365465e+00
## 329	4.089480316	30.744552701	-3.20830809	-4.384857e+00	7.461285e+00
## 330	0.209284445	-10.781842532	-58.86961175	1.570868e+01	1.880489e+00
## 331	2.809408995	-37.800311781	25.08767413	-2.887076e+00	1.934514e+00
## 332	-2.667640332	6.175255587	-9.51827897	5.137008e+00	-4.016118e+00
## 333	-5.366077993	-0.887998583	33.92103601	1.507915e+01	-1.578838e+00
## 334	-8.541150800	-14.342000732	27.39932730	7.028698e+00	5.439664e+00
## 335	4.528877359	-32.156375236	-49.49586221	1.899718e+01	1.160412e+01
## 336	-9.468056330	28.368926557	18.61290065	-6.752776e+00	4.331839e+00
## 337	-5.317977443	-39.536010787	-43.86949461	1.250205e+00	-1.836881e+00
## 338	16.817859347	20.322898596	10.92608752	-1.780010e+00	4.466210e+00
## 339	-20.622543083	26.810770123	-32.65140784	-5.141464e+00	4.926281e-01
## 340	9.206750243	-10.646171436	-13.92660399	6.077876e+00	-3.302351e+00
## 341	-17.345606243	-2.433923656	-47.75670841	-2.085633e+00	-4.162766e+00
## 342	15.562631512	-2.109501250	20.18470291	-3.135019e+00	-4.545779e+00
## 343	0.191489189	-12.117093460	-76.72690396	5.310877e-01	6.247875e+00
## 344	7.101898684	0.498229560	-5.17674067	-1.261960e+00	1.194310e+01
## 345	5.200270045	-24.155802921	1.53457054	-2.543132e+00	5.773486e+00
## 346	11.053699742	-49.556254492	15.15222573	5.287939e+00	1.690467e+00
## 347	9.466840038	-14.865560692	-9.75693389	3.401255e+00	8.411120e+00
## 348	-6.424937253	-37.366120979	-30.32701506	-2.245735e-01	-8.753002e+00
## 349	5.379917934	16.878810694	-24.24802375	4.362860e+00	-1.093522e+00
## 350	-10.258322826	29.927238209	-10.50117157	7.018392e+00	9.830688e+00
## 351	2.983288994	-26.028069609	34.72320345	1.499086e+01	5.306688e+00
## 352	3.131505146	-10.682702387	-11.00684498	-1.270106e+01	1.427442e+01
## 353	-5.343996506	34.524731988	-40.32402973	2.774127e+01	-7.568571e+00
## 354	-10.504624302	-10.019595023	-6.79482440	1.876985e+00	-9.078624e+00
## 355	5.548179626	30.397960870	-44.15419471	-2.034264e+01	3.884776e+00
## 356	-5.796847530	-21.452310904	-4.79113727	1.999633e+01	1.360976e+00
## 357	-16.003614923	2.877737531	-10.69840481	9.548029e+00	2.719137e+00
## 358	2.405481623	-14.132757895	29.65721532	-5.018593e-01	4.889568e-02
## 359	-2.582109218	21.487274845	17.42769702	1.046113e+01	-5.249896e+00
## 360	-20.419191028	36.286836465	27.17057950	4.980726e+00	-3.591142e+00
## 361	0.520417593	43.952586967	-34.34596930	9.473148e+00	9.105715e+00
## 362	-1.107818078	-17.659798853	9.31937035	2.114789e+00	4.557372e+00
## 363	-6.755900990	-24.079645234	-18.55553185	-6.566519e+00	-7.848887e-01
## 364	-5.323935888	-13.193073418	-72.88473382	9.290489e+00	5.077162e+00
## 365	5.367172854	-23.002279442	-44.58557515	3.526021e+00	-1.036540e+01
## 366	-0.162646646	-15.393599684	12.90084276	-1.334852e+00	7.123046e+00
## 367	-0.932028227	-32.386566021	-45.28307942	8.766929e-01	9.389830e+00
## 368	4.032729310	-5.150416716	-38.10576003	1.304752e+01	4.201024e+00
## 369	13.247694591	-6.828035890	-19.93538616	-6.950222e+00	8.509315e+00
## 370	-1.581786745	15.038800528	-8.34467822	-4.082486e+00	3.354715e-01
## 371	-0.571142426	-15.972276887	-43.50706306	4.698635e-01	2.146088e+00
## 372	-3.469553292	-21.552209873	-90.23623563	1.872281e+00	7.228704e+00
## 373	8.793918962	3.607998806	-4.21191388	1.042105e+01	-9.474151e+00

## 374	-5.553207831	-65.257257277	-5.96297632	2.017333e+00	-6.427594e-01
## 375	0.480249643	19.921869310	-32.77056908	-2.119903e+00	-6.288086e+00
## 376	2.327777920	-3.025624317	-27.13711020	-2.690385e+00	2.277508e-01
## 377	7.920371714	-28.205275146	-50.97744524	8.909156e+00	5.437405e+00
## 378	-8.278882511	36.713915709	30.31520832	-2.546653e+00	7.493359e+00
## 379	-2.206964833	11.600195206	-2.09579269	3.379049e+00	7.854488e-01
## 380	5.427048660	27.391980313	14.98451770	5.203567e+00	8.165705e+00
## 381	4.754329085	-37.418972208	-37.69522058	-1.966452e+00	4.889704e+00
## 382	-6.784400224	10.310651272	9.59801197	-8.527466e+00	7.699024e+00
## 383	-1.573076989	22.995513662	60.25856384	4.108365e-01	-7.435267e+00
## 384	3.817302572	11.249336924	-31.21443768	8.428980e+00	2.108963e+00
## 385	-12.568237130	-29.716897885	-103.51929155	2.291451e+00	-2.053850e+00
## 386	-7.428634837	-19.720501464	-21.51068957	-5.948923e+00	-2.538779e+01
## 387	12.625742785	32.525494654	27.01364212	-7.485436e-01	-8.327203e-01
## 388	2.450015761	-14.832079562	-26.78990587	3.191126e-01	-6.971144e+00
## 389	-2.768546155	12.844779714	-4.85753560	-5.617023e+00	2.583312e+00
## 390	-7.419620769	13.855248792	23.14617721	-7.758081e+00	1.266261e-01
## 391	1.592263782	5.575342144	-17.89163594	8.641890e+00	-6.516505e+00
## 392	4.276513947	-12.846517515	-2.25313639	-2.211684e+00	-3.895494e+00
## 393	-4.495927692	5.625943426	-8.35710164	-9.858952e+00	-1.331671e+01
## 394	-6.398074433	-9.428587128	4.41682984	1.982467e+00	-5.610412e+00
## 395	2.816414361	-20.665314721	-37.78434849	3.078280e+00	-5.444930e+00
## 396	12.972444728	-9.513533928	-28.73341657	-1.185941e+01	5.282449e+00
## 397	-0.584836213	6.673346049	2.08279275	-3.158977e+00	-4.301928e+00
## 398	8.539378790	-31.727696194	-37.30752829	-5.836860e-02	-1.335740e+01
## 399	6.162485346	7.901112424	-71.62996784	-1.375570e+01	5.346633e+00
## 400	-8.274124803	-10.781278180	-48.28631320	-1.359164e+01	4.003441e+00
## 401	4.766405954	-19.625008641	-6.25253669	6.074742e+00	4.846038e+00
## 402	-5.801917438	16.337443147	12.11550465	2.565862e+01	-1.238860e+01
## 403	-8.128457773	-28.914153727	-93.86031701	1.448364e+01	5.665857e+00
## 404	7.347242056	8.623608185	9.74788138	-3.088191e-01	7.288356e+00
## 405	-4.747060009	2.421891843	-16.25758877	9.934549e+00	4.219371e+00
## 406	8.007395089	-3.023386190	-59.89465558	-2.076311e+00	-9.877804e+00
## 407	-12.014944487	0.076682416	-30.60345851	-4.195987e+00	-1.442876e-01
## 408	-1.719457850	24.628088342	-24.21760877	7.539137e+00	6.307628e+00
## 409	6.633775614	-13.093990789	-1.53894772	1.225374e+01	-2.032659e+00
## 410	-8.361509166	20.302668929	16.33625374	-2.624774e+00	-2.410183e+00
## 411	6.382892531	7.104468780	-18.20472078	-6.296115e+00	8.987707e+00
## 412	8.640969942	33.584082822	-21.96300794	4.166793e+00	-4.176553e+00
## 413	-3.495233411	17.426494170	-1.12312222	2.565072e+00	3.485700e+00
## 414	6.839285247	-7.850570851	18.30881368	-7.216099e+00	4.646798e+00
## 415	-1.430046482	-7.299430269	59.49353882	-6.419273e+00	8.259425e+00
## 416	2.358284017	-15.177374184	-23.30744151	8.257179e+00	-1.059248e+00
## 417	-9.651405585	12.055456479	-35.10097498	8.434719e+00	-1.123864e+01
## 418	-3.266538779	-29.882737624	49.25985131	-3.027120e+00	1.710729e-02
## 419	-5.103682580	6.454192506	-4.93588667	8.607513e+00	1.086849e-01
## 420	-3.561796751	-9.688141345	51.42470161	-1.447671e+00	7.180165e+00
## 421	-3.163531736	-7.124347417	-35.61171165	-1.348680e+01	-1.169323e+01
## 422	2.298356094	-0.146179255	-25.26783297	-7.276016e+00	2.974067e+00
## 423	1.982954835	26.346082334	-73.39624786	-8.594022e+00	-4.875435e+00
## 424	-2.906783641	-2.244997077	-13.92328558	-2.014354e+00	-1.086763e+01
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## 426	3.599210293	-13.307858056	-21.66379754	1.092074e+01	6.037952e+00
## 427	-8.710403019	-10.996248622	25.65665820	2.106042e+00	1.114370e+01

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## 428 -1.732748004 21.129432453 11.61717622 1.156951e+01 -3.077388e+00
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## 464 2.490234519 2.076136402 4.74273133 -6.347815e+00 -1.063319e+01
## 465 0.233761129 18.219738413 25.94428349 -5.282468e+00 -3.050416e+00
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## 473 9.305389751 -20.819760118 18.15208891 -2.147034e+00 5.733219e+00
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## 475 3.226778861 13.875034438 39.83576303 -8.198545e+00 -3.491979e-01
## 476 0.742952157 -21.294760569 -52.60478551 5.244402e+00 4.777662e+00
## 477 -2.471685091 10.319831873 60.94864112 5.218184e+00 5.734019e+00
## 478 18.158696243 -34.830959605 -3.10710739 1.432142e+01 -6.056719e+00
## 479 17.046213432 8.257031961 9.77355526 -4.886139e+00 1.561353e+00
## 480 -1.940056413 -12.407843349 -0.64189403 -2.227122e+00 -5.965993e+00
## 481 6.346805669 -7.829168563 30.71308206 -5.581325e+00 1.229856e+01

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## 482	-7.877525472	-22.892460332	-8.83411037	-6.643006e+00	-5.213043e+00
## 483	-1.936036936	-25.768259233	27.27362921	6.914305e+00	-2.445760e+00
## 484	-10.935161891	-7.153872716	-9.96953647	2.610574e+00	1.350411e+01
## 485	11.067990712	3.319559021	19.54813116	8.220811e+00	2.809190e+00
## 486	9.184791998	15.484307292	-26.42817350	2.055700e+01	3.109754e+00
## 487	-5.812954638	38.048581641	-59.06670295	1.188066e+00	-2.219626e+00
## 488	6.704780616	-0.002882575	-2.96321114	2.084198e-01	-3.182774e+00
## 489	-5.857354432	-4.583340609	-12.42933607	2.288059e+01	-5.920331e+00
## 490	-14.754849849	-20.427192650	-4.96499807	3.120987e+00	-4.053763e+00
## 491	13.253944565	1.297119658	-17.02626072	1.502454e+01	2.841872e+00
## 492	10.275558045	1.012283247	18.62589892	-3.656397e+00	6.718680e+00
## 493	7.170477879	42.319568279	-5.77587725	-2.706882e+00	2.507398e+00
## 494	-1.990674000	7.320197599	18.48927850	1.482168e+01	7.198390e+00
## 495	5.904334945	-14.822954365	-76.28683115	3.076218e+00	-9.934736e-01
## 496	6.905074596	-19.979194687	-28.15076149	-3.185706e+00	8.415032e+00
## 497	13.999185986	-10.241647898	1.05906129	-3.936035e-01	2.507808e+00
## 498	1.589874484	4.730116300	-33.68684665	-1.609614e+01	-1.527076e+00
## 499	-4.326900795	20.893037115	41.09656515	6.751989e+00	-5.312701e+00
## 500	-11.631857711	-34.799359260	-82.47758642	-1.796579e+01	6.625811e+00
## 501	4.815483807	11.200513301	-10.82372261	-2.414538e+01	-7.963767e+00
## 502	-1.723699617	-19.388254328	-2.14999350	-6.140220e+00	1.103282e+01
## 503	15.937508240	-26.969664154	-44.36933422	-1.237876e+01	4.197772e+00
## 504	2.963329066	-6.376457681	-10.20370607	-4.266686e+00	1.385977e+01
## 505	-2.408134410	13.311535549	-7.21352125	2.848574e+00	-3.458204e+00
## 506	-10.978733013	24.503851168	38.24604099	-3.349233e+00	4.780886e+00
## 507	-0.591357730	3.676395107	-41.06642139	-7.110184e+00	3.328243e+00
## 508	4.776195245	16.414549301	-26.17079018	-7.677568e+00	2.943083e+00
## 509	31.821652562	12.384499252	-37.30594174	-1.657946e+01	-1.145282e+01
## 510	-0.972530502	-29.305348360	-54.63832381	2.456341e-01	3.313375e+00
## 511	6.297614238	19.537321393	2.06356529	-1.585834e+01	-8.585082e+00
## 512	0.662427822	-11.635840141	6.80117808	1.350178e+00	5.049461e+00
## 513	-13.240537955	10.274799721	10.51153197	8.518617e+00	8.998204e+00
## 514	6.513519910	-23.496728285	-28.71957278	6.711299e+00	-9.471771e-03
## 515	6.509096361	-14.220946066	-31.80745537	5.551907e-01	-9.700651e+00
## 516	-1.399255952	-1.333692040	52.26014941	-1.476441e+01	-1.096091e+00
## 517	4.423787158	14.450057307	27.21064763	1.016245e+01	-1.193952e+01
## 518	6.043843519	-7.970235338	-16.58823661	1.571680e+00	-5.234600e+00
## 519	-9.967556127	-1.198419356	-9.28582644	-1.699020e+01	4.790739e+00
## 520	-11.361875362	-12.913118306	-66.98338773	2.141419e+01	2.626798e+00
## 521	-6.716507347	26.666618542	-46.41727321	7.920586e+00	-5.090859e-04
## 522	3.657658506	-10.704706362	-13.00158013	-1.287780e+01	-7.266282e-01
## 523	-4.593362630	5.661607718	14.30517879	5.735761e+00	-5.767087e+00
## 524	8.568965050	-13.292263760	-26.90652313	6.249032e+00	5.804615e+00
## 525	-7.696940280	-0.993958948	-47.36002335	9.790898e+00	8.666349e-01
## 526	-3.133871779	-20.616334188	-8.14336189	-2.437938e+00	2.990439e+00
## 527	-0.792536798	-0.193194044	0.59959971	7.571958e+00	3.210316e+00
## 528	-0.002838739	15.058879385	-29.04195675	1.046080e+01	3.728737e+00
## 529	-9.546129708	18.647492287	-17.06771559	9.533706e+00	-1.217291e-01
## 530	-10.961050720	-0.457690755	-5.74114225	-2.334157e+01	-8.007065e+00
## 531	-1.497914204	7.465681760	-39.19262533	-3.212220e-01	1.549482e+00
## 532	6.490586380	-27.143964455	-17.92977333	4.385508e+00	2.613755e+00
## 533	3.464515070	6.457978073	44.55266252	2.107564e+01	-1.903775e+00
## 534	1.272982946	-40.107895716	-13.81527457	2.396004e+00	-7.104282e-01
## 535	9.605945244	-20.049540112	-22.52341969	-2.345428e+00	2.045472e+01

## 536	-2.512768084	-3.261922238	-24.82919242	-1.927912e+00	2.770522e+00
## 537	-7.073251591	26.870085273	-28.47741929	-1.127702e+01	1.930548e+01
## 538	0.950015111	4.376645034	-6.81640036	1.078890e+01	-6.311982e-01
## 539	-0.868405939	-10.155415492	-44.13420449	1.957590e+01	4.110241e+00
## 540	-7.060839710	38.098103228	5.20845412	-1.010662e+01	1.683056e+00
## 541	-7.346421481	3.543547195	-12.19913588	-3.101753e+00	1.496482e+01
## 542	4.504164015	32.034648289	-47.45758172	-1.015480e+01	1.624054e+01
## 543	5.780695928	8.263808834	17.10002371	-8.137601e+00	-8.963871e+00
## 544	-15.998301581	8.525364851	-35.23764159	-5.882105e+00	-4.211237e+00
## 545	-9.456645179	26.033938104	3.27137967	1.589433e+01	-5.262634e+00
## 546	0.479763121	17.852416288	3.39882980	2.000444e+01	1.089729e+01
## 547	-7.131113998	23.271831367	31.16197618	1.483955e+01	6.363367e+00
## 548	-13.042133540	-28.489823199	-61.97114680	-2.516367e+00	-4.114533e+00
## 549	8.830542695	-8.114046024	0.50443586	1.522976e+00	-7.342241e+00
## 550	-14.631159866	5.463037296	38.34204747	3.077997e+00	-2.971646e+00
## 551	1.786453422	9.039761930	-33.72893877	1.114584e+01	-1.334592e+01
## 552	11.951717942	-11.915909099	37.21872778	1.290300e+01	-4.290945e+00
## 553	-0.751681036	12.053226260	-7.04661386	1.248377e+00	-2.917637e+00
## 554	-0.495299018	-12.511727483	34.74038331	-2.134329e+00	-3.760395e+00
## 555	4.112719760	33.077183953	12.42380087	1.257538e+01	2.845847e+00
## 556	3.651666465	-13.921855005	-69.01945828	-3.283110e+00	3.515909e+00
## 557	6.373839457	13.934656725	16.30646997	9.972595e+00	5.162935e-01
## 558	7.439662036	12.418305962	4.37317998	1.446556e+01	-1.161729e+01
## 559	3.480912486	-33.460501834	-31.45487993	1.979401e+00	-2.783381e+00
## 560	8.736409277	-22.027077567	-9.55480932	1.380929e+01	2.091204e+00
## 561	-8.941774265	11.718273150	-21.99797194	-1.140900e+01	-2.355686e+00
## 562	6.873678660	-11.427962907	-55.04563150	1.310898e+01	5.412002e+00
## 563	3.129153784	-14.547844713	-0.52134484	-9.709489e+00	7.248325e-01
## 564	11.019851552	-26.548113233	-60.26018065	-1.414012e+01	-1.313008e+01
## 565	-2.114884872	20.638431173	-36.84027476	2.604687e+00	2.537756e+00
## 566	-11.531004890	-3.341188671	-12.45301681	-8.583000e+00	6.964478e+00
## 567	3.800155605	22.392438347	-24.65931329	6.047189e+00	-1.883859e+00
## 568	3.601545588	15.371990907	-24.65365373	1.265561e+01	-4.070939e+00
## 569	3.160114134	-8.166677816	2.66675810	-5.866027e+00	-3.270888e+00
## 570	1.493330979	-20.863135844	22.89462757	-1.185838e+01	-3.102994e-01
## 571	-6.068267991	23.379835240	-5.71828113	-1.739621e+00	3.631864e+00
## 572	1.627816839	-17.210369076	-22.74553463	4.161588e+00	6.391715e+00
## 573	10.693318554	29.923832133	5.42378534	-2.578756e+00	2.094244e+00
## 574	0.016341613	-26.685328994	-33.25324412	-7.452920e+00	1.112194e+01
## 575	2.604296672	-12.858352007	69.84222082	-7.527262e+00	2.747229e+00
## 576	-2.931257905	29.074894796	3.15405081	-3.364056e+00	2.303173e+00
## 577	-7.430999415	18.721266517	33.47821907	9.885942e+00	-2.624868e+00
## 578	-1.235044432	-30.159532009	-55.48622054	5.824234e+00	-6.480265e+00
## 579	-3.106319617	35.324545386	48.59986836	-4.074926e+00	7.870405e-01
## 580	5.601376097	21.482620164	-3.84971340	-6.242506e+00	2.202880e+00
## 581	-1.115056271	9.347757962	4.86190279	-3.557013e+00	-7.156819e+00
## 582	-6.732104973	-24.967672795	-45.48726234	-3.771606e+00	-3.752998e+00
## 583	-1.621809025	7.070406313	9.64873959	-2.021828e+00	1.071065e+00
## 584	-0.829433735	10.564918709	26.41099902	2.578772e+00	-6.392642e+00
## 585	-0.874930861	-20.573188448	-59.85709816	9.145431e+00	-1.545703e+01
## 586	16.560325336	7.375540762	-70.44266477	-3.137107e-01	1.326378e+00
## 587	-6.460220184	0.879009067	-7.18204553	-1.747738e+00	4.479277e+00
## 588	9.832126252	-7.092935464	-17.80896996	-3.554284e+00	-1.586127e+00
## 589	0.063180227	3.588102070	-34.09294046	-1.532074e+01	-2.987562e+00

## 590	-0.253572130	-21.466424894	21.88955867	-2.820009e-01	-1.312558e+01
## 591	-9.547416430	-3.781729737	-31.72385331	3.967069e+00	3.469921e+00
## 592	8.061647263	11.851052991	16.60242534	7.613289e-01	-4.384233e+00
## 593	6.217873274	-34.879171284	-1.71295162	1.045620e+01	-1.618215e+00
## 594	16.158743792	-40.984347816	-52.44196784	5.866786e+00	4.444772e+00
## 595	-5.914229023	-1.686859444	12.57247959	8.962407e+00	-3.893097e+00
## 596	-3.344168615	48.378857316	34.66233501	-1.886561e+01	4.820912e+00
## 597	-2.362712054	-5.836627770	0.79095099	-1.214936e+01	7.157450e+00
## 598	4.529987385	4.759068598	-22.15764810	-1.609738e+01	-8.657633e+00
## 599	2.606837179	-4.116215654	-43.25549977	-1.293967e+01	-6.220439e+00
## 600	-18.953914889	-11.323230270	-27.31340370	-1.336630e+01	-9.663413e+00
## 601	-0.656296167	-7.098707013	6.90992246	7.444683e+00	7.694026e+00
## 602	-1.997561942	8.634624575	3.43525199	-4.903518e+00	2.827549e+00
## 603	-4.876378890	16.933280452	39.55433287	-1.562771e+00	-1.274680e+00
## 604	-9.695270499	-35.124423946	-72.24597904	1.094980e+01	-1.159125e+01
## 605	-2.583963582	12.908338016	27.46945543	8.479887e+00	-7.809736e-01
## 606	-6.743329067	11.927659161	-52.78660629	8.610405e+00	-4.468059e+00
## 607	-2.103436824	27.216259402	12.68465837	-1.603401e+01	-5.147511e+00
## 608	-1.262936644	30.184791388	-56.79902441	1.013722e+01	6.623285e-01
## 609	-2.230195532	8.917299629	-10.37467786	4.504052e+00	-1.602878e+00
## 610	7.095298712	-18.712209455	3.82198906	-4.619627e+00	1.231105e+01
## 611	-2.153463669	-15.341600232	-27.96654917	1.640202e+01	-1.860013e+00
## 612	-13.822210168	-27.740220986	3.79556307	-4.562690e+00	6.886398e+00
## 613	-2.243235741	36.639978268	0.15448188	-8.305502e+00	4.101910e+00
## 614	12.979101036	-15.509748400	-55.15271724	7.367257e+00	-2.286962e+00
## 615	3.800389015	12.923975431	-36.61367473	-6.220535e+00	-6.328767e+00
## 616	-5.404177965	-15.427464082	-25.30708255	-1.088488e+01	-3.023466e+00
## 617	-0.611269625	-22.613338050	-1.92399488	-2.625212e+00	3.384089e+00
## 618	0.648251344	1.748190250	-3.77449825	-7.418122e+00	1.086483e+01
## 619	12.233188128	5.225285647	-19.39163087	9.312444e+00	1.607345e+00
## 620	7.499894266	-4.769200437	22.14302374	-3.738185e+00	2.000962e+00
## 621	-3.218552679	1.560130590	2.01788235	7.675553e+00	-7.129496e+00
## 622	-2.391698082	3.900729917	-34.83950815	-2.212180e+00	-4.644067e+00
## 623	-2.600973426	3.812150108	-3.25928736	5.557363e+00	3.686584e+00
## 624	6.990659875	5.339476214	-7.88222245	6.864350e+00	-3.427825e-01
## 625	10.250288962	10.821088481	19.42090535	-3.623815e+00	3.244753e+00
## 626	0.791444048	3.595803559	12.55951923	-9.371484e+00	8.899873e+00
## 627	4.675200895	-4.199758265	-10.86922844	-1.832550e+01	3.957094e+00
## 628	-2.126158772	-4.556996205	5.41645867	-4.694963e-01	-9.939111e+00
## 629	-6.894048196	7.779470195	18.38390315	1.171368e+01	-8.423715e+00
## 630	-9.371170851	-31.203163113	-25.30517772	8.924087e+00	3.284351e+00
## 631	-9.791225495	12.976513788	-0.64118671	1.067845e+01	4.341982e+00
## 632	-20.432265402	-15.878678662	4.73946673	8.839292e+00	-4.744228e+00
## 633	20.001558672	-5.271856983	24.14667110	-1.424308e+01	-4.626579e+00
## 634	-15.447910061	-10.326192113	-16.60587211	-1.314214e+01	2.267123e+00
## 635	-6.976947444	-20.468541894	-55.37941219	-5.700590e-01	1.359377e+01
## 636	-14.993163667	22.626956949	9.84725526	-1.305835e+01	4.735362e+00
## 637	-4.932116362	-19.709111108	-5.48199763	-9.742316e+00	-5.536203e+00
## 638	19.554504954	-15.796998166	2.67227025	3.069170e+01	4.436719e+00
## 639	18.990665069	-34.987142875	-39.41690027	4.664300e-01	-2.661203e+00
## 640	2.280021965	59.949716369	19.31983576	3.006134e+00	-1.233318e+01
## 641	1.011088762	36.571406026	-46.28955712	-3.742130e+00	6.578080e+00
## 642	0.621069858	12.190344002	-3.15827192	-9.423827e+00	-2.800304e+00
## 643	7.892194354	-7.227779881	-40.02350248	3.744125e+00	4.888979e-01

## 644	-5.432142916	-30.595136273	-20.31680655	-7.960296e-05	-7.263916e+00
## 645	-1.560306922	20.313566832	-10.15974122	1.800730e+00	1.727583e+00
## 646	12.421898871	14.696598667	29.62423946	-4.393136e+00	-1.729356e+00
## 647	16.907864456	-7.064874227	3.62200797	-3.531962e+00	-6.223362e+00
## 648	-4.942813803	-4.218231782	20.37384246	-4.605931e+00	5.962294e+00
## 649	-1.966168394	26.209676246	-20.63067291	3.317491e-01	1.179963e-01
## 650	0.631662103	-36.184564271	4.19162286	6.944830e+00	-1.152159e+00
## 651	-13.474389776	18.830843863	-24.93841194	1.020851e+01	2.315056e+00
## 652	4.636994050	-26.369318050	-11.93212474	3.601061e-01	-4.639476e-01
## 653	-4.727053606	16.980546466	-27.76440006	6.492558e+00	1.472240e+00
## 654	6.760474128	-7.283178723	-35.23848497	6.085749e+00	1.067116e+01
## 655	-7.391544489	6.447524258	24.26274190	-3.908684e+00	-1.459052e+00
## 656	8.050935559	-21.309287867	9.83306914	-1.896113e+01	-5.896971e+00
## 657	18.700066040	-29.966154362	-19.45536722	1.548168e+01	-8.289897e+00
## 658	-4.746110286	-20.554429850	-15.98162990	7.913473e+00	-3.966017e+00
## 659	-0.325375061	-34.471726379	30.04891127	-2.307452e+00	-1.105314e+01
## 660	0.449870334	1.515594694	-10.88282252	-1.169833e+01	8.673109e+00
## 661	-9.380063639	25.576355879	4.36087728	-1.158722e+01	7.888232e+00
## 662	-13.874958776	9.360395511	7.24037557	-1.504730e+00	-7.120585e+00
## 663	1.417479103	-27.914432807	43.70811420	-1.001348e+01	3.816869e+00
## 664	-10.176312258	17.699324123	-20.84411093	-3.107002e+00	-2.070588e+00
## 665	9.685077429	-11.830448175	20.59287290	-5.036905e+00	8.345763e+00
## 666	-5.898470543	2.238525179	16.24785429	5.202771e+00	-3.092462e+00
## 667	17.481847215	-11.009127472	10.21783241	-1.901076e+01	-4.399518e+00
## 668	1.520652758	33.139612570	-30.60503716	-3.030593e+00	-4.027144e-01
## 669	-0.774887605	-20.371718669	-17.00078346	-7.489219e+00	-7.353886e+00
## 670	-8.312605614	-9.820042175	-13.16521970	1.605443e+01	-3.207219e+00
## 671	-3.823038754	-7.015681320	14.82788458	-2.836621e+01	2.379535e+01
## 672	-13.030318896	-24.269026564	-36.35317985	-4.883832e+00	-8.173469e+00
## 673	-7.671244863	-0.971129006	19.08927366	-8.941701e-01	4.729346e+00
## 674	11.923492701	-22.824034902	-50.16290616	-9.894101e+00	4.184018e+00
## 675	3.834988907	-30.018703540	10.31569080	-4.782737e+00	-9.371691e+00
## 676	0.299170647	2.731087586	56.99284947	1.280495e+00	6.748552e+00
## 677	0.761552493	8.081786039	-41.56244445	-4.767808e+00	7.995190e+00
## 678	-0.104280108	-8.766736465	-41.37116413	-6.110483e+00	-6.868351e+00
## 679	-7.885071526	-22.301693412	-61.74581979	-1.274063e+01	-4.977711e+00
## 680	15.355321245	10.608572854	7.42899389	-7.698086e+00	1.404391e+00
## 681	3.443018147	-26.400927484	-57.93682282	-9.260969e+00	-2.191223e+00
## 682	3.280815917	7.669450290	80.21178370	-7.523738e+00	-5.533434e-01
## 683	13.928260189	18.040202484	30.71169867	3.701754e+00	1.199349e-01
## 684	-2.562865091	-10.864298216	15.86272773	7.050270e+00	-2.359443e+00
## 685	-5.299863319	-3.590055822	-29.08635046	-3.545925e+00	-7.952007e+00
## 686	-14.940169626	-12.922553705	-39.81910938	6.119391e-01	8.724019e+00
## 687	-0.910952510	-4.416613073	20.08487262	-7.721322e+00	6.108426e+00
## 688	-3.818219655	18.092934229	-10.61749664	6.570713e+00	6.657967e+00
## 689	-5.971113415	12.217048408	-16.89789006	-9.595877e+00	2.462887e+00
## 690	5.936381364	-3.371705442	12.06093792	5.486854e+00	6.254387e+00
## 691	6.516979554	-0.349535939	4.43108809	-4.562574e+00	-8.741819e-01
## 692	11.026730391	31.144780134	-55.26491984	-1.033382e+01	-6.009992e+00
## 693	5.948320338	-5.626278667	0.88134878	-8.815404e-01	2.294831e+00
## 694	14.312019717	32.363799263	6.57321628	1.913106e+00	1.703981e-01
## 695	-2.653739988	-17.848060405	-76.59914202	6.974501e+00	1.316308e-01
## 696	7.485601290	29.755490449	-45.27796888	-3.380043e-01	-3.227142e+00
## 697	0.417152837	-37.567076900	-22.93258070	1.326750e+01	-7.838451e-01

## 698	-5.880654048	-8.466448525	14.65764699	-2.348172e+00	2.460193e+00
## 699	0.149836740	2.523150733	52.40534144	5.521903e+00	2.186775e+00
## 700	-0.452611949	-5.990892191	28.26231827	-1.266314e+01	-8.098572e+00
## 701	2.757476610	1.077990941	5.74619205	4.714196e+00	-4.806407e+00
## 702	0.251753508	21.344089492	23.17602074	1.175753e+01	3.248036e+00
## 703	10.259294454	-11.503662878	-5.95188626	-3.943588e+00	-4.811821e-02
## 704	10.359348767	26.579846025	22.41675372	-4.589563e+00	1.156957e+01
## 705	-9.718833037	-7.466260264	8.93082554	8.021646e+00	-3.865326e+00
## 706	0.734469568	-5.967534164	-6.42532357	-3.508150e+00	-9.466278e+00
## 707	4.429395033	-2.721108980	-33.39887077	-4.354397e+00	9.021161e+00
## 708	10.039112209	-30.216515630	-3.94536174	-6.682298e+00	4.313658e+00
## 709	-0.586930104	-14.081672797	10.40902484	1.338754e+00	-9.093377e+00
## 710	5.309181721	-21.031173717	-0.93550302	4.579371e+00	-6.262904e-01
## 711	-6.068262140	-36.240008513	-1.17320624	-8.424520e+00	5.112839e+00
## 712	0.057672067	13.558908237	-5.42107980	3.488500e+00	1.837380e+00
## 713	-14.360705815	-8.541968907	28.43018879	-7.326562e+00	2.922421e-01
## 714	4.578125210	-3.763394251	-23.32221381	1.075122e+00	3.931730e+00
## 715	4.363776310	-20.179550692	-0.97194403	2.862249e-01	-2.456925e-01
## 716	8.699167907	3.244348416	33.52233035	2.253105e+00	-8.589955e+00
## 717	-14.160179323	17.035982793	-29.43106830	-3.448902e-01	-5.735218e-01
## 718	-10.428709441	-3.405198461	15.35593914	-7.261101e+00	1.130774e+00
## 719	-3.352159289	-6.817068477	23.85338961	3.390293e+00	3.340047e+00
## 720	5.457381386	-4.162431613	-14.66084817	-1.520675e+00	-4.570868e+00
## 721	-0.101540129	-5.538289313	-1.65817033	9.738416e+00	1.952806e+00
## 722	3.181125026	8.578867724	21.76202938	-1.073279e+01	-3.674159e+00
## 723	2.033074290	-15.082533624	-23.22186668	-8.631181e-01	1.537024e+01
## 724	-3.694289897	-15.593323559	44.64344857	-2.963001e+00	-1.689105e+00
## 725	2.744043738	-37.489640320	-12.44015480	8.641121e+00	-5.083232e+00
## 726	13.978041081	-18.910718913	19.26837009	1.230821e+01	8.562762e+00
## 727	7.765958748	-11.390374469	-3.26453572	-1.957257e+00	8.829869e+00
## 728	2.317356124	-30.000762025	-27.62990011	-3.897972e+00	-4.380221e+00
## 729	10.825877914	-29.757263039	-68.46875747	-9.906806e+00	-1.873781e+00
## 730	-1.703806700	-20.055909862	29.61328135	1.037557e+01	-5.620458e+00
## 731	2.484564328	-31.699174814	16.85557542	-3.741860e+00	-2.531098e+00
## 732	-4.904044706	6.189977401	0.06094981	-6.539696e-04	1.183642e+01
## 733	4.239211482	-5.972569935	-33.63396222	8.645930e+00	7.624419e-03
## 734	-7.463226922	-15.219198017	-2.33742772	-3.965457e-01	1.141918e+00
## 735	7.819678524	3.532086658	-28.68214340	5.316871e-01	-6.421687e-01
## 736	6.833233821	-6.533295436	29.16271183	-1.090196e+01	-1.015082e+00
## 737	-12.749594106	-46.081816233	-1.92479251	-8.462549e+00	-8.982379e+00
## 738	-0.178821158	14.886430467	5.08010308	7.746789e+00	-2.354958e+00
## 739	6.103328128	-34.871422342	-11.16132995	9.988554e+00	3.870185e+00
## 740	-0.131635893	5.512405350	-41.46150215	-1.073728e+01	3.789539e-01
## 741	-0.532172461	5.757808625	-25.84369986	1.760913e+01	5.267501e+00
## 742	1.048387588	0.834793149	40.35611905	-4.638929e+00	-3.754428e+00
## 743	2.758227525	13.368844777	-23.25841896	1.503109e+01	-3.912736e+00
## 744	2.276373694	25.599585834	-42.71191458	-2.008720e+01	-1.176719e+00
## 745	1.792078480	-18.125872102	-67.31697818	-1.238058e+01	4.882194e-01
## 746	-3.815046329	-22.364873229	-27.88641870	1.155417e+01	-5.780482e+00
## 747	-13.210010660	41.170418145	7.26457286	1.911230e+01	-6.657832e+00
## 748	10.762689065	14.575751964	60.06116080	-3.875010e+00	8.640541e-01
## 749	-3.818730076	-13.128438904	9.70878784	8.617164e+00	-4.115129e+00
## 750	-9.479649938	9.544025419	-27.27469795	-9.827546e+00	4.249490e+00
## 751	11.885394746	-6.486600005	-51.17266827	-2.209908e+00	-5.357621e+00

## 752	3.416474962	-0.681289654	-28.58899510	2.232383e-01	-1.310346e+01
## 753	3.401124570	9.702140702	13.18988978	-1.690701e+01	7.106775e+00
## 754	9.307216439	-47.051678035	-17.20029526	1.865286e+00	3.595031e+00
## 755	-0.777085565	5.251274447	2.10579145	-1.538882e+00	6.731758e+00
## 756	8.973246319	22.061818122	-0.55241606	-9.690495e+00	1.018574e+01
## 757	10.754734652	-11.515362390	-43.60074079	-9.309267e+00	4.568737e+00
## 758	3.938151294	-41.833258518	-35.21246079	1.553617e+01	6.434656e+00
## 759	-1.333212688	-4.912201536	3.33321668	3.849920e+00	6.542125e+00
## 760	-9.528519101	-10.403982887	-17.21379147	-1.322721e+01	3.674652e+00
## 761	-6.893316887	-30.388863493	-76.43790149	4.476482e+00	-4.373899e+00
## 762	-4.952564003	-0.635094255	-33.04540123	1.301049e+01	5.284861e+00
## 763	18.799014344	18.809090775	-32.51359943	8.911020e+00	-9.186547e+00
## 764	1.785877909	11.755631100	-36.50183562	-4.993737e+00	4.452732e-01
## 765	-10.331754910	-29.274414792	-87.66059186	-2.428200e+00	-5.805100e+00
## 766	1.142956369	16.472323991	-36.46158469	1.762528e+01	-9.003001e+00
## 767	-13.617945776	7.013888822	48.55048402	-2.894447e+00	1.360727e+00
## 768	9.382172342	-14.558140377	-16.34710414	-8.614892e+00	6.440964e+00
## 769	-10.265354088	-7.238517478	-6.35723604	-1.935364e+00	-2.348030e+00
## 770	-2.154175673	14.595413677	37.35858156	7.187782e+00	-6.586798e+00
## 771	-5.581237718	-16.760122170	10.90865951	-6.166529e+00	-3.080992e+00
## 772	-4.141939685	-12.877802178	-94.01452296	-8.725438e+00	-5.882557e+00
## 773	1.981085975	0.796308486	-2.37442545	1.005686e+01	-1.646559e+00
## 774	-6.729617987	1.393235237	-51.50038076	4.971820e+00	2.274096e+00
## 775	-12.069925140	-16.249839470	-12.18993503	1.084964e+01	5.406177e+00
## 776	-2.150651487	28.949569227	-25.93671593	-1.075950e+01	-5.497194e+00
## 777	-4.324306143	-4.492537342	-3.46993046	-4.609773e-01	6.279502e+00
## 778	1.998350928	4.146992867	-10.29985788	1.510875e+00	7.870906e+00
## 779	-4.344994735	-23.565909777	-17.87006411	-2.709394e+01	-2.941937e+00
## 780	9.581771263	-0.478864750	22.55140379	-8.766678e+00	5.096310e-01
## 781	-10.406996503	23.450947662	-16.69214224	1.355887e+00	5.719437e-01
## 782	-0.594282708	12.657195532	-37.30068609	-1.071683e+01	3.949023e+00
## 783	4.463940146	-7.913932952	51.70115675	4.610219e+00	-3.489862e+00
## 784	-9.487700559	-30.020729183	-44.68241824	-7.416461e+00	-2.594299e+00
## 785	-6.672608533	23.141942492	0.92956372	-4.889448e+00	-5.390437e+00
## 786	-2.246696552	-26.844874510	4.18655564	-1.909795e+00	5.525789e-01
## 787	7.305661771	8.921731032	10.10804032	9.482010e-01	4.409122e+00
## 788	-15.809403804	-22.444101135	-34.03748770	-5.242436e-02	4.281582e+00
## 789	-5.077711561	-22.012908522	-26.82719561	3.354091e+00	-7.391169e+00
## 790	-13.642500610	28.963933001	10.01165981	-2.267312e+00	-1.801011e+01
## 791	-0.035271432	16.178713239	-1.95558489	-8.360975e+00	-3.498603e+00
## 792	-6.805097514	-3.331312017	-19.58986980	-2.079543e+00	-9.764511e+00
## 793	9.694808028	-41.779543241	-1.41037826	-1.701368e+00	-3.397116e+00
## 794	-4.997897600	-13.855885325	-25.06358393	2.683440e-01	2.717338e+00
## 795	1.242220229	-10.531361323	-24.44508156	4.357346e+00	-1.583574e+00
## 796	10.494857730	14.356173944	-27.68750963	-6.294667e+00	5.203381e+00
## 797	1.845066563	1.903682266	-11.54297471	-7.432693e+00	-8.597476e+00
## 798	2.486325775	-2.161486704	31.80634286	-2.063009e+00	3.324237e+00
## 799	6.348430280	-20.432994844	-31.73797678	-7.266960e+00	1.331185e+00
## 800	-9.977561900	-24.778768012	-69.76422511	-6.220294e+00	4.941369e+00
## 801	-9.445442408	-2.585133405	22.49731826	-4.993973e+00	5.393480e+00
## 802	-8.574951298	0.151413345	31.43187921	-3.135974e+00	4.085863e+00
## 803	-1.484006277	5.753918621	-17.86253018	2.910500e+00	-1.572619e+00
## 804	-5.406924532	-5.282062194	-56.29945425	-8.408361e+00	1.381656e+00
## 805	4.780036286	10.117383001	-1.26156447	1.234441e+01	-7.711397e+00

## 806	-4.653731767	4.981156037	-16.11077981	7.783369e+00	-1.489492e+01
## 807	6.007997467	1.985834019	52.16593095	1.551166e+01	-2.143228e-01
## 808	-3.712662579	-19.264548971	-22.82739250	5.377139e+00	-5.632933e+00
## 809	-4.841688684	19.231040640	6.73049620	7.151155e+00	-4.802525e+00
## 810	6.149119705	26.983794468	-47.10914464	3.659120e+00	5.002029e-01
## 811	7.970803209	11.549313841	44.98681632	5.482368e+00	1.391729e+01
## 812	-4.834092091	22.234301670	22.14646919	-3.665488e+00	-7.245736e+00
## 813	3.094189163	0.573210488	-32.36224844	3.830008e+00	4.688477e+00
## 814	9.168403273	-19.454586148	-16.34079239	1.115791e+01	-6.609377e+00
## 815	3.306267249	4.022169540	-53.63829161	7.430489e+00	-6.186328e+00
## 816	-7.994684907	-7.981835627	-45.94183003	-9.943938e+00	-4.082500e+00
## 817	13.769216995	17.943193477	38.64890144	3.944014e+00	-1.791553e+00
## 818	1.982565862	31.283946487	1.49481532	1.293194e+01	3.148834e+00
## 819	-2.877943418	2.828932619	-1.85717688	3.254037e+00	-4.235988e+00
## 820	-7.154477883	11.186452285	0.34374266	1.020998e+01	2.873843e-01
## 821	-1.367680241	14.247839085	-22.07815550	5.525512e-01	1.185616e+00
## 822	-0.488095066	-22.216913108	11.14794827	1.396348e+01	-1.339590e+01
## 823	-4.323188981	-8.611144767	28.02146170	-7.319771e+00	3.828326e+00
## 824	8.770789547	-18.414267515	31.85413522	-6.960573e+00	3.914359e+00
## 825	-1.970214007	-9.824655706	-8.83103200	-7.700194e+00	7.894382e+00
## 826	12.169271143	-12.494281917	21.28538093	7.363605e+00	6.823027e+00
## 827	0.122808598	-5.145600130	4.24629143	-1.260418e+01	-1.132383e+00
## 828	7.861984034	12.991027985	-15.18567560	1.619452e+01	5.124892e+00
## 829	5.571031429	5.145083762	30.30244518	6.358346e+00	2.401305e+00
## 830	8.013745327	-36.930383035	16.14877525	4.297079e+00	-1.111592e+01
## 831	-9.915352940	-0.048353431	4.17464334	-7.314248e+00	4.300309e+00
## 832	-5.457639417	-3.541795602	-64.52991552	6.996523e+00	5.600338e+00
## 833	-8.455722111	29.014424650	-5.57144747	-6.552035e+00	-8.009857e+00
## 834	-7.262079047	-24.263832568	-15.08952721	1.442105e+00	1.058937e+00
## 835	9.295055972	49.790383906	-31.61141642	-1.577760e+01	3.465105e+00
## 836	-0.138345248	-18.902482449	11.78060401	1.190613e+01	-5.736729e+00
## 837	-7.525093778	-11.442712755	-5.69930369	-1.169344e+01	3.506871e+00
## 838	-6.313672505	-10.615966314	-7.05192009	-4.845318e+00	2.191800e+00
## 839	-9.536261658	-11.393411245	17.20555061	-1.003705e+01	-3.402775e+00
## 840	-2.525826265	-24.599692080	-47.56927328	6.385676e+00	-5.721723e+00
## 841	1.666010257	-52.328721444	-19.10126528	8.194433e-01	3.604145e+00
## 842	-0.673614232	-3.284775880	-7.44289545	4.666215e-01	-5.355218e+00
## 843	9.075935045	-25.892380217	-66.47846035	-7.108483e+00	5.583526e+00
## 844	1.820126664	-18.358413918	0.81242829	-8.862216e+00	8.889790e-01
## 845	4.236109419	-24.458434382	-41.20398965	-8.202096e+00	-1.626252e+01
## 846	0.736523339	-12.308057245	-27.58096415	-1.280156e+01	-1.119090e+01
## 847	-4.896497200	19.962177520	-40.40927187	2.668822e+00	2.264121e+00
## 848	-4.882057664	-41.388127419	-31.45007504	4.722518e+00	2.660575e+00
## 849	14.823795511	7.494014002	-6.93374087	-3.793964e+00	3.618248e-01
## 850	-5.890754570	19.536081772	-37.02021198	-1.107133e+01	-2.523901e+00
## 851	-7.863321198	-35.954918731	2.54710111	-9.557448e+00	5.733295e+00
## 852	9.655450893	27.227896157	16.97569227	-1.467775e+01	2.263895e+00
## 853	-2.082917851	20.760411521	-21.25017693	7.609908e+00	3.115465e+00
## 854	4.310183745	45.483004668	77.14027232	2.094306e+00	6.452820e+00
## 855	2.143266385	45.935907107	36.48543116	-1.497265e+01	3.383002e+00
## 856	5.276156560	27.036382615	-20.15440308	6.011564e-01	-2.017425e+00
## 857	10.661035220	20.978319619	-25.63411936	-1.673663e+01	1.647209e+00
## 858	8.652822970	-0.419565470	18.25596749	-3.712402e-01	-8.652050e-02
## 859	5.104138289	43.268989528	-20.96912867	-1.133968e+00	1.298733e+01

## 860	-0.081803585	-31.228245167	-63.17791864	-1.825887e+01	9.715980e+00
## 861	-4.537898249	-29.447578084	-42.36054952	3.426852e+00	2.327808e+00
## 862	-8.192384799	17.602921449	27.40067331	-1.231765e+00	-1.408566e+01
## 863	3.742824738	26.014605481	56.90758520	-2.282351e+00	5.632647e+00
## 864	-5.964251037	11.547438144	87.85408609	-2.278224e+00	-4.630029e+00
## 865	-5.133205760	26.578273607	-7.60250462	2.124672e-01	7.985891e+00
## 866	3.553221289	32.174341001	31.91397578	7.300190e+00	6.180776e+00
## 867	-2.698140503	18.194270370	-16.85663148	9.224186e+00	-1.082497e+01
## 868	2.217022106	-12.704644157	16.20554683	-7.334739e+00	-7.011063e+00
## 869	6.955963216	26.979907113	8.38169996	-2.946863e+01	8.325409e+00
## 870	12.562032660	-55.506424198	21.80894656	5.755120e+00	3.997687e+00
## 871	4.250030535	8.489626288	11.56615897	-8.258552e-01	6.626885e+00
## 872	-6.487806928	3.821862937	48.26684219	-1.175959e+01	2.406226e+00
## 873	2.486470758	-2.521906238	-15.96453091	-1.241133e+01	-8.476844e-01
## 874	0.419779370	10.756531800	-51.58938559	1.904626e+01	4.034641e+00
## 875	-2.618196101	-10.440685564	-11.90594842	-1.360655e+01	-6.622865e+00
## 876	-5.935122636	-28.544049566	-60.69350148	1.088194e+01	-6.693372e+00
## 877	2.746862116	-38.670846335	-43.96446245	1.462810e+01	-5.204836e+00
## 878	11.640724001	16.360732879	7.42537904	5.150645e+00	-1.611846e+01
## 879	-2.134303962	-5.117789614	-25.74432704	1.089461e+01	-8.591572e+00
## 880	2.642072346	-7.070289043	2.58783755	1.213227e+01	-7.218350e+00
## 881	2.285813310	8.002579530	26.01355736	1.962550e+00	-4.153802e-01
## 882	5.011574164	-34.910096141	6.61974332	-1.513695e+01	1.337742e+01
## 883	-2.557214546	7.107805611	25.03088600	-1.069770e+01	4.520275e+00
## 884	-7.934638547	-20.842175600	4.62963215	-2.090932e+00	-2.735217e-01
## 885	-4.800209495	9.438174196	15.66376181	1.539506e+01	6.870048e+00
## 886	3.995373896	-32.524529529	-51.31848433	-4.085489e+00	-1.360313e+00
## 887	-0.603332969	-33.017383364	11.68393927	4.315346e-01	-4.208634e+00
## 888	1.365408893	-30.767900199	-13.35701382	-1.361975e+01	-6.495929e+00
## 889	17.162838733	-25.626051278	-61.72875256	7.573353e+00	-4.937741e+00
## 890	-3.728111390	23.581638225	-30.75444116	8.956394e+00	-3.648605e+00
## 891	-10.868318147	31.113057387	4.59788780	-7.783047e-01	1.400851e+00
## 892	5.390518571	-21.409194001	59.08456559	5.739648e+00	-2.037880e+00
## 893	-2.839513971	-4.188041239	5.89931678	1.362124e+01	-2.691928e+00
## 894	7.337938845	0.507908440	17.44634944	-1.724814e+01	-4.895859e+00
## 895	-2.802111171	-3.991049464	-18.21181423	-4.065599e+00	-8.889796e+00
## 896	6.305503283	-8.735846365	-31.93119650	-1.039808e+01	2.841909e+00
## 897	-11.632821327	-18.212762925	-39.26248293	1.128245e+01	-9.390488e-01
## 898	-4.092627751	4.539865789	31.23330445	-7.559715e+00	3.339748e+00
## 899	11.120157678	-12.780269532	-25.00346344	-2.408385e+01	1.444522e+00
## 900	-6.007351312	5.002667930	42.92709093	1.799775e+00	3.591239e+00
## 901	9.621936406	9.231379084	19.07309601	-8.247024e+00	-1.543639e+01
## 902	9.669758305	-23.598184346	7.33807941	-6.791026e+00	1.055938e+01
## 903	1.793980897	-13.455446309	-45.99080451	-1.374222e+01	5.360049e+00
## 904	-2.371746670	-9.176853821	34.83964963	-1.438250e+01	3.898765e-01
## 905	-9.599583275	1.683490554	2.71195975	-9.161930e+00	-4.073541e+00
## 906	5.724352593	48.245676759	25.55493254	-2.204811e+00	-6.891459e+00
## 907	11.845138252	-8.089145019	31.09577621	2.296781e+00	4.338282e+00
## 908	-0.858383083	-1.046072801	33.34973968	4.846794e+00	-4.775720e+00
## 909	-6.301302071	-18.711862306	-9.96408501	4.337907e+00	9.975525e-01
## 910	12.808061261	38.139728861	8.30250658	1.166994e+00	4.309627e+00
## 911	6.257299361	48.492437369	24.30271062	2.515345e+00	1.308013e+00
## 912	0.803969016	21.158668072	11.70979056	8.188153e+00	-9.619696e+00
## 913	1.524626957	-16.586051005	-27.19736044	-3.763916e+00	-9.220905e+00

## 914	3.690018117	2.069574914	-27.58512847	1.591956e+01	-1.499502e+01
## 915	7.943382589	15.430627813	-21.23807595	6.884571e+00	6.038841e-01
## 916	2.380154113	28.917670225	-5.61156191	-1.436543e-01	-2.071771e+00
## 917	2.764911050	31.373764019	8.37562939	3.683694e+00	9.300845e+00
## 918	6.643649109	1.344308498	6.98009240	-4.070428e+00	4.551705e-01
## 919	11.976489041	-15.279187563	30.30757806	-5.789475e+00	4.116800e-01
## 920	10.616826779	3.667517076	-22.91011978	-3.666407e+00	-1.998659e+01
## 921	1.320970837	-41.259906344	-3.15310441	2.089804e+00	-1.124451e+01
## 922	-3.079056851	-38.692535140	32.05450290	-8.616402e+00	6.630610e-01
## 923	12.185924270	1.253560720	-26.87053207	4.493731e-01	-3.238384e+00
## 924	9.665781053	-7.533897107	-4.87900858	-5.865895e+00	-1.554197e+00
## 925	3.368401591	11.472583089	-17.36132990	-4.146670e+00	-1.700298e-01
## 926	-6.781423170	-21.329569284	11.21398434	-1.653171e+01	7.819553e+00
## 927	-1.108614670	-16.682896773	-71.40877870	-2.368651e-02	-3.258763e+00
## 928	4.926347395	-2.625278678	-17.64656072	-9.020884e-02	-5.857581e+00
## 929	-1.276665482	-0.614208982	-14.26305548	7.951486e+00	8.550998e+00
## 930	-4.140553112	-22.973172132	-67.68342257	-3.696433e+00	-1.377641e+00
## 931	-9.678254039	-12.963228775	-25.49196976	3.462372e-01	3.055172e-02
## 932	-0.028329090	24.832440169	-67.73330434	-4.335974e+00	-1.229706e+01
## 933	6.948509930	0.902837711	-23.88035129	9.248964e+00	8.466988e+00
## 934	-4.173845187	-13.645021551	-1.09159204	1.548158e+01	-1.496367e+00
## 935	15.190927195	36.896241821	-44.58761973	-1.301845e+01	-1.955618e+00
## 936	0.814279619	10.286547106	-41.79549681	-2.329305e+00	6.982951e+00
## 937	4.943678403	11.489940008	-14.81783198	4.833066e+00	1.159624e+00
## 938	-7.365078572	-20.212142342	-48.27181576	1.593180e+00	4.907196e-01
## 939	-2.456590404	-5.419109385	17.82204088	-5.845891e+00	2.336822e+00
## 940	17.894822365	-14.526452272	-14.79022405	1.899509e+00	-6.688425e+00
## 941	6.985098316	-6.675822104	-10.29054304	1.105423e+01	2.071140e+00
## 942	-2.325294053	30.110056892	25.07432431	2.727061e+00	1.777349e+01
## 943	-5.963443604	-19.894527707	-20.34895228	3.683744e+00	1.828634e+00
## 944	-14.932726348	15.139707963	0.83560529	2.382112e+00	-3.565325e+00
## 945	0.613739678	11.244343272	-12.21513799	2.224112e+00	1.071370e+00
## 946	-2.107004489	-14.983273158	-36.93331944	1.801108e+00	7.836813e-01
## 947	-1.841749004	-4.136427574	-27.97707469	2.377067e+00	1.105045e+00
## 948	5.552535106	6.597311779	-23.47991425	7.556346e+00	2.181683e+00
## 949	0.037497215	-30.820347911	-58.07689702	1.715028e+00	8.931179e+00
## 950	10.942441885	10.450300617	-20.90404812	-1.737517e+00	-8.355724e+00
## 951	-1.304978393	8.914496996	-0.12013562	-2.538751e+00	1.243870e+01
## 952	-8.893999434	-4.285346658	-21.93553093	-1.049303e+00	-2.411040e+00
## 953	-0.147499275	-12.514970122	-6.94603141	2.541791e+00	-9.676250e+00
## 954	6.209581591	20.743466289	-26.02916238	1.828973e+01	1.020032e+00
## 955	10.981627436	14.704554816	-18.23178964	-1.705262e+00	4.965472e+00
## 956	0.234074737	11.953918807	-44.35889264	-1.214229e+01	7.384544e+00
## 957	-7.175658120	1.199736784	-14.96136752	-1.637806e+00	-1.170034e+00
## 958	0.140184864	-19.369125768	-38.17912543	-2.557750e+00	7.363160e+00
## 959	9.728682356	-1.401552074	25.62361712	-6.689809e+00	2.665534e+00
## 960	2.951445204	-20.333142911	-17.25795514	6.946068e+00	1.501472e-01
## 961	0.861912104	-11.672985223	67.68890390	1.504650e+01	1.529266e+00
## 962	-6.130267035	-13.178736451	37.21225032	-8.839372e+00	6.516027e+00
## 963	4.387485252	-10.348744297	21.69452133	-1.635964e+01	6.006413e-02
## 964	2.230235059	-14.437739393	-45.65008124	-5.947208e+00	9.083469e+00
## 965	2.633719086	-2.120280556	-56.98926950	-1.291482e+00	-1.449021e+00
## 966	4.800500536	-41.633086597	-43.85782091	4.233806e+00	5.514623e+00
## 967	12.522616667	-5.793375093	25.35105637	8.537995e-01	5.655054e+00

## 968	5.441925592	0.352616959	16.08173763	-2.462683e-01	-1.851340e+00
## 969	0.362778837	7.192051705	26.75253509	-1.582011e+01	8.664109e+00
## 970	1.218126382	10.070780485	-0.67830710	2.267866e+01	-1.316854e+00
## 971	-0.568718827	-14.255695385	-38.73932980	1.494984e+01	-2.744161e+00
## 972	-3.067531824	11.772827853	-6.07270297	-1.917305e+00	7.051714e+00
## 973	1.627154295	25.466264614	5.18562916	-1.889845e+01	-6.753301e+00
## 974	1.963864998	0.691443746	-15.13347980	2.694911e+00	3.761241e+00
## 975	12.687609812	-19.863152770	-5.70138108	1.163483e+00	7.293745e-02
## 976	8.295599129	11.662031580	-16.44750360	1.282132e+01	1.631470e+00
## 977	9.288566272	-30.384743762	-50.93048447	-7.947194e+00	3.551186e+00
## 978	-0.831142886	9.861724020	12.63733423	1.798187e+01	2.585730e+00
## 979	-7.633450461	5.695724133	-30.95761592	-8.898072e+00	2.538582e-01
## 980	1.940577185	-12.646085765	70.32866515	-1.721712e+01	-7.643674e+00
## 981	-0.430599245	10.920671721	-0.25252459	3.864596e+00	5.054947e+00
## 982	5.549720342	-40.730783944	-36.81262922	4.999983e+00	2.226039e+00
## 983	-15.627180970	-10.709612263	-22.18390096	-6.241706e+00	9.270983e+00
## 984	10.377319812	15.313673122	2.96468434	9.915410e+00	-2.240361e+00
## 985	7.563717569	-17.755324219	-37.55318916	-3.515930e+00	3.528243e+00
## 986	0.831661742	-5.102573661	-6.90237196	-2.686770e+00	-1.156496e-01
## 987	7.568636911	-28.918206575	-12.70861473	1.561449e+01	-3.610396e+00
## 988	3.138021751	-31.934064873	-30.74833076	8.896289e+00	-2.450972e+00
## 989	-9.134835789	-8.803279884	-38.90740394	7.623165e+00	4.929247e+00
## 990	-7.254070213	7.876904772	39.14407829	-1.226963e+00	9.921669e+00
## 991	-12.885709074	35.752320345	-0.94054753	-7.950111e+00	-2.324748e+00
## 992	13.145190312	-11.568395239	5.22719768	-1.470895e+01	6.083466e+00
## 993	12.036084113	-22.975725188	-80.53969789	2.840535e+00	8.192261e+00
## 994	-16.719302142	-3.246006056	25.04444165	-7.805811e+00	7.425985e+00
## 995	-4.230886796	-0.398234270	-23.61008023	1.548313e+00	1.225129e+00
## 996	10.618091138	-18.707326032	24.34827431	-1.245822e+01	8.213716e+00
## 997	-16.015053504	-0.730237299	14.35091527	-2.439053e+00	6.101271e+00
## 998	-7.210988213	-6.242866965	-12.02289813	4.795440e+00	-1.246843e+01
## 999	10.405593489	-14.124804534	-45.40517096	-1.068013e+00	-7.244410e+00
## 1000	-8.467762174	15.989256091	24.62577558	-4.907835e-02	-7.299647e+00
## 1001	6.488711826	-14.917967906	-2.36142716	-7.026420e+00	-9.217640e+00
## 1002	-7.981525248	-2.088977386	-15.98158562	-8.150700e+00	6.998379e+00
## 1003	-6.702782157	-9.646264111	18.69767211	1.404223e+01	2.674474e+00
## 1004	11.512173300	5.558506610	-18.39535874	-2.379289e-01	3.268741e+00
## 1005	8.818405606	-13.844537683	1.94914701	1.139443e+01	5.439548e+00
## 1006	-6.598608155	5.235771663	-11.30106639	1.803529e+00	-3.053612e+00
## 1007	6.917617638	-10.270297836	-71.75450875	-1.707504e+01	-5.624452e+00
## 1008	0.693172032	4.305290032	-13.12885513	3.481800e+00	1.457716e+00
## 1009	0.327018599	-14.547228927	28.85066056	-1.482793e+01	-4.386753e+00
## 1010	12.529821035	-21.998262025	4.38384274	-1.861966e+00	4.530841e-01
## 1011	-1.578807610	23.345039446	-11.41093804	-7.876648e+00	-8.518352e+00
## 1012	10.293940036	-8.712391697	-4.02900746	-8.911386e+00	-2.116288e+00
## 1013	2.585587870	-11.044150837	26.72970142	-2.438770e+01	-2.425625e+00
## 1014	-1.807131132	-2.442011911	16.17772050	-1.589932e+01	2.824764e+00
## 1015	-5.826411524	28.917464530	2.48510922	-1.014532e+01	-1.015367e+01
## 1016	14.728537938	0.716288101	-34.91473041	-2.039928e+00	-2.060373e-01
## 1017	-3.066715331	4.251287236	-30.25495185	1.214886e+01	1.177359e+01
## 1018	0.533676556	-26.326763200	-43.79455598	-9.093060e+00	5.765381e+00
## 1019	-0.370295128	-1.343235774	49.23105403	-1.344564e+01	-1.294507e+00
## 1020	-1.550305982	30.467799219	-10.39156171	-1.362328e+01	-7.655792e+00
## 1021	1.645439283	-16.719224308	-81.64333411	1.953438e+00	-4.031800e+00

## 1022	-8.014809690	7.137353665	-15.19082763	-1.104161e+00	4.620763e+00
## 1023	2.302597194	25.985881324	2.62908891	-5.097087e-01	-4.014663e+00
## 1024	-9.746174684	27.892834193	7.17481123	7.439643e+00	4.364264e+00
## 1025	0.413187029	12.945262972	8.82589937	5.048577e+00	-9.109338e+00
## 1026	-19.354980215	13.624197725	8.18265759	5.538366e+00	-1.796822e+00
## 1027	-4.195551508	-13.830450966	-39.06965381	-9.967449e+00	-6.395771e+00
## 1028	0.361780728	-7.160973131	-11.51747533	2.750935e+00	-1.134989e+01
## 1029	-3.104448144	6.135442764	-19.50346838	1.323524e+01	-2.826167e+00
## 1030	-0.479994620	-3.140690379	14.96707957	-7.021286e+00	-8.911795e+00
## 1031	12.095563900	-0.517459967	21.07181072	2.996752e+00	1.794627e+01
## 1032	2.622143056	-12.688937386	-39.50266343	4.785152e-01	-2.536309e+00
## 1033	-8.325715007	-38.364435128	-53.02718685	1.730937e+01	-5.887156e+00
## 1034	-5.959406593	21.661175166	-92.01214416	-1.255457e+01	4.441198e+00
## 1035	14.855845744	24.373608843	-30.41056060	-1.744363e+01	5.747742e-01
## 1036	10.526519639	16.874193588	-46.04569995	3.070159e+00	-1.610323e+01
## 1037	6.015995979	12.023135921	10.39944641	-6.133441e+00	3.666029e+00
## 1038	-6.754187631	-13.547658032	-7.59349897	-1.305441e+00	1.938950e+00
## 1039	-6.306571171	-16.937811222	-21.85457393	2.137965e+00	-2.869948e+00
## 1040	-2.627469539	-34.801700243	32.91064629	-1.185023e+00	-7.110856e+00
## 1041	1.434573978	11.470559785	-55.52432444	1.270873e+01	2.948460e+00
## 1042	-4.506339728	-22.914587405	-13.92141284	-2.681172e+00	-1.845906e+00
## 1043	5.693803218	-5.840986459	13.28494018	5.923198e-01	2.426055e+00
## 1044	17.005615407	-6.580668381	11.00401462	-1.893590e+00	4.551546e-02
## 1045	1.179338432	4.390745947	-5.95445251	-1.023220e+00	-9.497318e-01
## 1046	2.116261840	-2.617296618	-10.03779907	-1.464660e+00	-7.504897e+00
## 1047	8.741850663	-10.355859661	-11.79167284	-7.111273e+00	-1.231211e+01
## 1048	7.668799872	-16.888544520	-41.99053235	1.075275e+01	6.038718e+00
## 1049	-7.223510491	-0.629744038	8.04882291	-1.254638e+01	4.837604e-01
## 1050	4.276576454	-19.262999708	27.03182449	-9.959511e+00	-6.569653e+00
## 1051	-7.493226869	20.558180727	-7.29584176	-2.900477e-01	-7.164789e-01
## 1052	-9.918994335	-17.911702883	11.40771779	-5.480169e+00	9.992545e-01
## 1053	6.674983911	-8.398086893	-7.50933608	-2.390169e+00	3.853434e-02
## 1054	-7.762169094	-22.584949494	-3.68816235	8.480532e+00	2.394901e+00
## 1055	-7.623050035	-19.974551369	-22.06809579	8.648184e+00	2.343221e+00
## 1056	0.153561071	7.941481970	-19.31340784	2.467089e+00	-5.268656e+00
## 1057	2.297090979	9.499459648	-14.46295588	3.476372e+00	-1.651986e+00
## 1058	12.763670319	-14.976451998	-0.06037606	2.681515e+00	7.279488e-01
## 1059	0.878254753	-14.219121340	-62.56914316	4.464948e+00	-2.109158e+00
## 1060	-11.189998723	-1.293037776	15.97657791	-1.352852e+01	-8.791689e+00
## 1061	-17.723581045	9.722608132	-10.74291293	-2.664630e+00	-3.176429e+00
## 1062	1.579993328	28.297083708	-14.32380065	-2.925975e+00	2.027531e+00
## 1063	-4.812279079	-28.848263816	-41.31680477	3.997838e+00	3.893563e+00
## 1064	-10.910320756	2.967073173	-0.68190902	1.361175e+01	-1.294404e+01
## 1065	-2.057318780	-32.687260956	-105.52233987	5.434703e+00	-3.691693e+00
## 1066	-2.994842393	-8.731344263	36.78115290	-7.280142e+00	1.283840e+01
## 1067	-4.212566741	-11.171307368	17.93682998	-3.173408e+00	1.816273e+00
## 1068	11.502769206	19.595369876	72.95881829	2.161456e+00	-3.394181e+00
## 1069	-6.168414513	-8.703825256	13.23415358	2.441995e+00	-3.176334e+00
## 1070	0.225565156	12.782368401	-39.15835839	-2.203048e+00	-4.870772e+00
## 1071	11.242613854	44.689966867	-35.92231177	-6.768185e+00	3.661824e+00
## 1072	4.514632352	-18.076588544	-10.57530003	-5.640736e+00	-7.394327e+00
## 1073	-6.289984289	13.057160788	-34.82738032	1.528232e+00	-6.921891e+00
## 1074	9.633981960	11.009433802	48.42600362	5.075631e+00	-6.848692e-01
## 1075	6.635450924	3.693265109	-21.02605684	6.528132e+00	-2.720683e+00

## 1076	7.426640530	12.347615630	12.39055303	-7.623668e+00	-6.916586e+00
## 1077	-4.478203137	-21.124139350	-11.48099496	-6.425174e-02	6.662610e+00
## 1078	-1.205037143	9.084996561	-43.86998971	2.307001e+00	7.740020e+00
## 1079	-2.335971342	1.256340691	39.69529829	5.692782e+00	-1.846207e+00
## 1080	-0.879883686	5.520262528	23.84552206	-7.562324e+00	-4.043809e+00
## 1081	1.098739446	18.819447539	18.00057131	9.063096e+00	-3.173991e-01
## 1082	-6.948958495	-35.301466271	-36.98869506	-5.447181e+00	-8.459197e+00
## 1083	-3.202942195	22.318983912	-28.82846710	1.572805e+01	-1.022581e+00
## 1084	-12.029769565	-22.358971144	-80.92519500	-1.833120e+01	6.077501e-01
## 1085	1.426677731	-21.474426566	-40.42502630	1.458660e+00	8.585451e+00
## 1086	3.833653249	14.197164909	-29.69933427	-6.847816e+00	1.233742e+01
## 1087	-5.396272444	15.028897291	-2.66334110	1.025415e+01	-8.763328e-01
## 1088	10.287064831	6.466388988	18.48459133	-1.130169e+01	3.221548e-01
## 1089	5.945415000	1.787088376	-1.72877877	-1.147008e+00	-2.258850e+00
## 1090	-9.148534552	-0.773289326	4.98538941	-6.698619e-01	2.835249e+00
## 1091	9.894950340	-24.224076719	-22.93400627	8.678909e+00	-4.539070e-01
## 1092	-7.524327881	21.086047074	-21.18023660	1.309768e+01	-2.322302e+00
## 1093	-5.129401863	-50.522131004	-44.24863619	1.943595e+01	6.483377e+00
## 1094	-1.312809401	30.107863130	-49.63572497	1.858543e+00	3.830976e+00
## 1095	-6.263852106	1.631713051	2.83680455	1.147776e+01	6.481641e+00
## 1096	-9.628467046	21.687129832	-34.38690504	1.135651e+01	1.608964e+00
## 1097	14.957803197	-3.188832725	38.56038053	1.335193e+01	6.382762e+00
## 1098	-3.123596807	-48.748180797	-73.16326088	6.020043e+00	8.329097e+00
## 1099	-19.177089259	-15.595124549	-30.94064618	1.013718e+01	1.318740e+00
## 1100	-9.015916148	-5.396281279	3.73276269	5.739739e+00	7.930595e+00
## 1101	0.044317893	-8.813369254	2.38349810	-1.070591e+01	8.344444e+00
## 1102	13.364111045	39.568437130	7.19537653	-8.046286e+00	1.581833e+01
## 1103	-12.363481804	36.529037569	18.60403964	-1.779741e+01	-1.040836e+00
## 1104	7.388392886	1.565864580	-18.13253643	-2.000356e+00	7.111739e+00
## 1105	-7.265218049	-12.031781479	0.87389195	-2.050080e+01	-4.699304e+00
## 1106	1.635894558	24.845295150	-33.55687193	1.854904e+01	-4.343678e+00
## 1107	7.401701802	-12.471755866	-31.66524781	-1.724251e+01	5.162669e+00
## 1108	5.234589294	-24.941216407	14.66633451	8.614643e+00	-3.300228e+00
## 1109	17.002274036	-20.752008517	-14.15934294	-5.519579e+00	7.549041e+00
## 1110	2.789383698	-23.317717822	-34.53609366	1.760335e+00	6.460737e+00
## 1111	1.454037203	7.036051821	9.31481518	-1.892323e+00	2.760651e-01
## 1112	-5.685300993	19.269145551	-15.39159970	1.091758e+01	-2.835254e+00
## 1113	11.476839348	-18.505060473	26.60590441	-7.140824e+00	9.942081e-01
## 1114	5.303198969	11.876318638	-1.97895405	2.934305e+00	-4.506545e+00
## 1115	-2.913096486	22.940159782	-0.21803256	9.205283e+00	5.904668e+00
## 1116	-14.826608218	13.427981193	10.74879816	3.417005e+00	-5.329978e-02
## 1117	0.647902194	37.384376182	64.98377266	2.694261e+00	4.446568e+00
## 1118	-2.925292682	-10.010962297	-5.92289748	-1.868214e+01	-4.844377e+00
## 1119	-3.083814489	-9.079746697	17.11182794	-2.617457e+01	-3.443997e+00
## 1120	1.487507467	21.988778649	-40.67904226	1.658163e+00	7.909322e+00
## 1121	-8.355400685	1.914686762	-6.50094311	3.936449e+00	-2.549120e+00
## 1122	0.377256953	-28.764234895	22.32592449	7.873230e+00	-1.023911e+01
## 1123	-4.659024543	-21.934902880	-6.94169668	7.676705e+00	-2.453050e+00
## 1124	-4.830316505	1.588382374	-33.85967445	4.403905e+00	1.031967e+01
## 1125	-6.442167714	-11.238051229	-92.81459745	1.193446e+01	4.113988e+00
## 1126	-3.114214463	-35.399808814	0.03820687	-1.015816e+01	-3.746307e+00
## 1127	-13.734003695	2.182901906	-1.81393471	9.943896e+00	6.975274e+00
## 1128	2.493677898	5.407706696	-31.57894982	-4.827527e+00	9.218460e-01
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## 1130 -16.801867928 -13.280708114 -20.24744965 -8.385791e+00 -8.186407e+00
## 1131 -12.168937151 -20.904645975 -73.51922318 7.937072e+00 -7.726806e-01
## 1132 14.235649690 -3.314642942 -13.18382921 -9.304842e-01 -2.049300e+00
## 1133 3.206443951 28.457674545 22.97224436 1.168544e+01 -7.778227e+00
## 1134 -5.767869502 -8.313506279 -61.15061918 1.471246e+01 6.774615e+00
## 1135 -3.986114266 13.069599251 -10.19402761 2.730362e+00 6.483184e+00
## 1136 7.799619512 10.951630509 10.54245612 4.995292e-01 -1.010668e+01
## 1137 -14.305488450 -25.029330404 -48.73105363 1.333462e+01 2.483317e+00
## 1138 1.969213314 -37.497924060 -40.46201277 -1.489047e+01 4.732486e+00
## 1139 -2.503161424 26.499448893 -11.87713752 9.863006e+00 -1.936444e+00
## 1140 13.012141162 -30.985460679 -30.76952138 -1.714931e+01 -7.952409e+00
## 1141 7.352524155 -18.163053239 -52.05590948 1.124491e+01 1.071059e+00
## 1142 6.135317697 18.400271083 22.26536794 -8.591907e+00 9.975194e-01
## 1143 1.930537374 -9.651238792 40.21548110 -2.100690e+01 -3.212545e+00
## 1144 14.753149696 17.833156300 11.26892206 -3.958473e-01 1.311692e+01
## 1145 -1.671214029 -20.431832665 -37.72391684 3.888764e+00 2.277654e+00
## 1146 2.766109307 -2.892687935 -40.33669122 -4.415068e+00 -1.063990e+01
## 1147 11.587708397 -0.258136838 55.40355379 1.664889e-01 -3.449562e+00
## 1148 -3.345118505 8.618526392 29.75647953 3.517895e+00 2.104275e+00
## 1149 15.427431597 -3.596827608 -49.30336754 -5.032741e+00 -7.015417e+00
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## 1151 -8.361816641 9.903329750 -16.17084814 -2.637827e+00 5.412379e+00
## 1152 -1.994459248 20.330486298 53.86232596 -5.576385e+00 -5.061665e+00
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## 1154 -8.245225134 5.526019718 -25.56855828 4.720123e+00 -5.551100e+00
## 1155 5.451062510 -15.427515077 -8.73743525 1.069867e+01 1.786403e+00
## 1156 2.737648116 19.941299840 -57.84841388 1.509535e+01 -6.880781e+00
## 1157 3.847019523 -5.030496490 -18.81095148 4.743117e+00 -7.495766e+00
## 1158 8.827604932 -15.438899425 -5.59391982 -9.031509e+00 -5.936646e+00
## 1159 0.424737252 3.660769075 -59.24632387 -1.620977e+01 -3.204278e+00
## 1160 2.080916712 -8.120439945 -8.18256060 1.260512e+01 -3.494102e+00
## 1161 8.263385740 -4.178644874 -0.63106371 -8.692533e+00 2.117067e-01
## 1162 -0.871998923 27.890712191 -20.93550314 -5.641614e+00 -5.619159e+00
## 1163 7.869334183 1.923904755 -26.87181397 3.496519e+00 -3.074136e+00
## 1164 2.900979400 -10.565328064 -49.17450648 3.567018e+00 4.196965e+00
## 1165 2.531707726 -20.587696321 22.96631202 5.877275e+00 3.394910e-01
## 1166 -6.036230881 1.228266870 2.22320245 -1.822327e+00 1.359893e+00
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## 1168 23.734599387 2.749608495 17.39566931 -1.404818e+00 1.293763e+00
## 1169 13.653341204 -16.470160860 37.76194833 -5.727919e+00 -4.650102e+00
## 1170 1.758831695 -33.140739022 -10.55352680 5.864052e+00 1.320822e+00
## 1171 6.172351886 -17.944685211 9.90224269 1.443841e+00 3.358057e+00
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## 1173 -7.625890002 11.108928108 -24.74382036 6.073840e-01 5.398912e+00
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## 1175 -6.189401399 19.624403274 15.19112861 -3.463144e+00 1.690952e+00
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## 1177 16.586135107 -18.985469058 -25.37924446 -1.424408e+01 1.205146e+00
## 1178 -11.221610450 8.554366463 -42.41825498 -1.609344e+01 3.281030e+00
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## 1181 -0.138983296 -11.656243274 7.71605954 -1.410491e+01 -6.672940e+00
## 1182 0.683636229 4.660874541 8.15618185 6.802915e-01 -2.853519e+00
## 1183 2.265378731 -26.352349325 16.74701642 -8.171685e+00 1.060371e+01

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## 1184	8.481502031	-14.217929185	-3.76839211	5.340918e+00	5.882402e+00
## 1185	-1.105166976	-9.338549611	13.79223279	2.679529e+00	-3.292294e+00
## 1186	-15.259029262	40.112763604	11.56881683	-1.313049e+01	1.844833e+00
## 1187	0.270165653	-37.230580699	-29.70600945	4.580167e-01	-4.074584e+00
## 1188	-2.423502908	0.151683955	14.61457907	3.935086e+00	4.589814e+00
## 1189	1.821114075	37.070479763	32.82955864	4.943582e+00	8.009829e-01
## 1190	-5.452358903	-20.915419775	-77.46260780	-2.201646e+00	-1.050363e+01
## 1191	-6.975591005	24.515404476	8.85153446	6.542179e+00	5.462974e+00
## 1192	-5.022264732	-11.237134689	-14.45711768	5.053302e+00	8.958648e+00
## 1193	-0.042713614	4.951920297	33.78818196	-8.137794e+00	-5.684045e+00
## 1194	3.654120531	48.852820055	-22.48129309	5.481016e+00	1.086730e+01
## 1195	-3.561594208	14.099559257	-0.67434390	6.031429e+00	1.103467e+01
## 1196	13.917086504	-19.796396138	7.92462609	-4.890514e+00	1.227360e+01
## 1197	0.734718862	-19.615485152	6.79235948	6.334977e-01	-3.468233e+00
## 1198	-10.474488254	-24.736907307	21.03157540	3.107176e+00	-7.029109e-03
## 1199	-9.488846699	-20.282234557	-49.57416211	-1.619580e+00	-3.961310e+00
## 1200	6.662904794	-19.421946480	1.65549604	-3.479774e+00	-4.173498e+00
## 1201	-16.512688018	-2.354630302	-21.73802238	-2.082347e+00	2.906814e+00
## 1202	-1.090916771	-26.912039834	-21.26267360	-5.439545e+00	9.824688e-01
## 1203	-9.147976447	-13.835772174	27.35550489	5.336892e+00	4.888182e+00
## 1204	-7.973375603	15.519633114	8.26497825	-1.461545e+01	2.383038e+00
## 1205	4.489648416	21.244210583	10.35466494	-1.057599e+00	2.308525e+00
## 1206	1.594408763	-12.837883566	23.29272189	8.489472e+00	8.004446e+00
## 1207	-11.057049392	-23.756694585	-5.72573725	2.327738e+00	-3.848929e+00
## 1208	6.033702798	-4.298145202	-22.97952806	1.106979e+01	4.466863e+00
## 1209	0.894650084	3.713403442	20.93683309	-1.086228e+01	-2.170793e+00
## 1210	5.529512063	-8.120740692	14.75193500	-1.549265e+00	1.634219e+00
## 1211	0.698348196	3.684910773	-20.35273179	-5.359818e+00	6.956908e+00
## 1212	-3.074533921	9.257033301	59.98874040	8.547801e+00	-1.187078e+01
## 1213	1.828480397	-19.536954430	-8.07103057	-6.250660e+00	1.214537e+01
## 1214	7.960456522	9.352466474	-0.58608404	-1.525997e+00	-9.787299e+00
## 1215	13.093474238	-3.953760464	27.04452602	2.295132e+00	-6.611665e+00
## 1216	14.539645211	-29.885268740	-30.19006004	1.255166e+01	4.935357e+00
## 1217	-0.495581075	-39.470771024	-54.91110896	4.880860e+00	-3.105587e+00
## 1218	7.640290709	-7.836412139	-27.82277863	-5.609696e+00	-7.416120e+00
## 1219	5.535024167	-18.851932983	-48.87016487	-2.249606e+00	-1.659377e+00
## 1220	-0.990577699	-4.093837129	-26.71487699	-1.349330e+01	-3.445000e+00
## 1221	-11.597689625	-24.784891213	-18.16027434	-3.256960e+00	1.205554e+00
## 1222	-0.673337295	12.951249256	-13.39793698	-7.014508e+00	-1.066678e+01
## 1223	2.368757338	-20.827192482	-28.26841784	-1.266733e+01	6.489439e+00
## 1224	3.942554747	-9.123508058	-33.06409604	-3.225420e+00	2.337015e+00
## 1225	3.319536155	-7.427831871	-21.88271111	1.022557e+01	-2.621481e+00
## 1226	-8.212490225	-12.847248294	-17.41791423	1.138624e+01	-5.193732e+00
## 1227	-8.279325684	-34.344482150	4.06206768	2.023580e+00	5.404812e+00
## 1228	-6.032739309	-6.540805185	3.26418654	-5.524994e+00	-1.835943e+00
## 1229	-2.492972177	-26.756333747	25.06716649	-7.099642e+00	-2.949065e+00
## 1230	5.804629716	-15.397337866	6.73798566	-1.232710e+00	-2.942855e+00
## 1231	1.807940433	6.931308415	54.12900771	-6.168151e+00	3.598525e+00
## 1232	-3.399017405	48.437115923	-16.29971712	-3.481455e+00	1.438719e+01
## 1233	-9.361893236	-2.785115197	-19.46843839	-4.825401e+00	-4.132108e+00
## 1234	0.916899341	-1.670650816	39.44368769	-7.970890e+00	-1.681998e+00
## 1235	14.925428587	-11.462270933	18.23758097	1.414921e+01	-5.611844e-01
## 1236	13.758701328	11.750468048	19.76185369	-1.269823e+00	-4.023731e+00
## 1237	21.159536285	-10.921853381	13.58423521	-5.074328e+00	1.198750e+01

## 1238	-3.795874855	-26.624488533	-20.39525317	6.914792e+00	3.330037e-05
## 1239	5.382814798	29.853385044	-45.25024807	6.855475e+00	4.071427e+00
## 1240	6.491300111	-10.189263800	9.86478327	6.163558e+00	6.123965e+00
## 1241	-10.257753855	-24.817371475	-19.93823906	1.467622e+01	3.067461e+00
## 1242	-1.183645961	5.608815936	-1.04895645	4.050546e+00	2.565886e-01
## 1243	1.734865279	-16.977696899	-25.20239274	1.958746e+00	-7.696491e+00
## 1244	0.194044859	20.904797252	-12.30187253	-4.277733e+00	2.921061e+00
## 1245	-4.189703914	-12.150792866	-22.64487542	6.502092e+00	-3.056749e+00
## 1246	7.294959844	-2.836694028	-45.44076244	9.082097e+00	-4.108208e+00
## 1247	5.790236288	16.520087276	-43.53757307	8.497966e+00	1.145416e+00
## 1248	-8.779907219	8.467291564	27.17252290	4.092113e+00	-1.772086e+01
## 1249	-0.754597728	24.412100279	-15.37143916	9.678061e+00	9.091296e-01
## 1250	5.510691411	-14.441847987	-29.65487912	-4.447014e+00	-6.116272e+00
## 1251	10.854789157	-29.725844973	39.65242376	-1.292570e+01	2.916316e-01
## 1252	-9.745472542	-24.943755963	-49.69285748	2.195996e+00	8.135668e+00
## 1253	0.619617631	-11.374656652	-35.20499912	-5.333679e+00	-1.085568e+01
## 1254	-6.041448379	-19.640179144	46.91088517	3.783612e+00	-7.618231e-01
## 1255	-0.405060675	-29.110434834	-41.25577032	1.732629e+00	-1.450237e+00
## 1256	8.897838633	-26.533998855	-1.04585791	-1.299542e+01	-5.890120e-02
## 1257	0.847515634	-35.160576738	8.44144464	-4.335696e+00	1.810525e+01
## 1258	-12.893394793	20.474850597	-10.02985471	1.130764e+01	-1.235583e+00
## 1259	11.225520034	2.111953475	12.50147880	1.531777e+01	-1.034448e+00
## 1260	3.024871558	25.544605623	26.39707038	1.542299e+01	-2.847045e+00
## 1261	-1.148534971	-6.535487656	49.76553761	7.292134e+00	9.506813e-01
## 1262	-11.206390904	-48.108114974	-32.90900098	-2.677552e+00	-1.513974e+00
## 1263	-7.600679816	-15.241609186	-21.65936600	3.214658e+00	-1.795239e-01
## 1264	8.414800915	-36.598674041	3.08179386	-2.405600e+00	-2.686939e+00
## 1265	-6.392449000	-7.776723434	-47.62343212	2.272021e+00	2.019002e-01
## 1266	-4.072132361	-24.050571567	-94.28948997	6.786760e+00	-2.466101e+00
## 1267	0.255872271	-13.558968284	-20.40228702	-6.770367e+00	-3.327890e-01
## 1268	4.264642173	-9.695391562	-33.58059699	-8.899864e+00	3.399771e+00
## 1269	-2.241490090	22.437928941	56.02178072	9.065251e+00	-4.683404e+00
## 1270	-5.021297076	-14.945496745	32.15202877	-1.720686e+01	-9.517812e+00
## 1271	-5.032331613	-0.106289295	30.84670663	-2.108973e+00	9.618278e+00
## 1272	7.066778152	2.129822166	-33.26171257	1.027200e+01	-4.910083e+00
## 1273	1.739874876	-15.362079017	-30.01613826	-1.058611e+01	2.354985e+00
## 1274	7.641587089	6.306210175	39.84532844	-6.573057e+00	-1.142157e+01
## 1275	10.150940300	11.483700290	-11.88875863	-5.072151e+00	-2.956882e+00
## 1276	3.909657943	-13.209585241	-27.80736836	-1.023946e+01	5.688806e-01
## 1277	-3.601088642	-2.917723416	-51.64502699	-8.776355e+00	1.737583e+01
## 1278	1.179645409	6.733748687	-13.91517167	-4.191396e+00	-2.058855e+00
## 1279	-1.176933438	3.589877198	23.53412001	-6.482797e+00	1.047704e+01
## 1280	2.436484346	-40.491766315	3.12956918	4.527950e+00	-1.558454e+01
## 1281	3.427176286	-8.277900092	-1.43644130	-1.023451e+01	-5.915851e+00
## 1282	4.235525697	-7.183099706	19.33847574	-2.478907e+00	3.585469e+00
## 1283	-6.056644565	-12.835444269	-30.72043142	5.256675e+00	-5.169743e-01
## 1284	1.275035364	-1.550261285	36.77450311	-6.549043e+00	-7.699503e+00
## 1285	-10.036243893	3.869176078	49.61500813	2.854001e+00	1.104583e+01
## 1286	-3.172981893	19.861361945	30.87974684	-2.052755e+00	3.142039e-01
## 1287	9.216992624	-12.649022163	-24.24297560	7.235514e+00	-7.231111e+00
## 1288	9.562697857	-17.751836976	31.08019337	-2.024190e+00	4.412869e+00
## 1289	-15.668161457	-27.112839902	-28.92514680	-8.315050e+00	-5.460600e+00
## 1290	14.632764515	-35.435614744	-4.09105196	2.059489e+00	-7.937775e+00
## 1291	1.633745304	-17.753288118	-6.93529856	-2.005421e+00	1.350179e+00

## 1292	-10.774702105	-0.096474805	-3.97384527	-9.801916e+00	-1.477193e+00
## 1293	1.029515538	-9.757810808	31.14735676	2.806055e-01	9.551637e+00
## 1294	10.844648841	14.733570771	-24.87063966	-1.575178e+01	3.969216e+00
## 1295	12.783767876	-2.837839243	7.05331522	-5.881987e+00	1.800935e+00
## 1296	-0.332403644	13.726926166	-27.36336472	1.033235e+01	6.817021e+00
## 1297	-4.698814660	15.257645533	-9.33593778	2.185385e+00	-1.078760e+01
## 1298	-9.329896742	-8.516892434	-32.04303527	6.249677e+00	5.709575e+00
## 1299	3.151543015	5.524156514	0.21098424	-1.336242e+01	2.528150e+00
## 1300	-2.650379197	12.888060658	29.01894570	-2.664388e+00	3.323794e+00
## 1301	-9.781353111	-0.076813321	29.97853854	3.251718e+00	-4.276581e-01
## 1302	-7.582186545	5.427052169	-20.56147860	6.817658e-02	9.430945e+00
## 1303	3.959452282	-28.331863515	-25.75417912	1.353287e+01	-1.761864e+00
## 1304	-2.147435239	17.139196542	0.33048991	1.405121e+01	8.613653e+00
## 1305	8.791761823	1.384847445	-4.39752766	6.179197e+00	-1.138320e+00
## 1306	2.831551312	-14.219434388	-27.87627485	-9.729391e+00	1.682335e-01
## 1307	5.098586363	-6.969727089	12.46946005	7.298534e-01	-3.512836e+00
## 1308	-1.259106731	24.354717675	56.19957047	-2.292573e+01	-7.782561e-01
## 1309	-3.297408119	11.341212448	-19.66703401	-1.131985e+01	3.148556e-01
## 1310	2.766936561	-12.858575539	-40.11739366	-2.529759e+00	-4.511988e+00
## 1311	-9.247417276	-34.100281760	-19.40958126	2.437865e+01	-6.466051e+00
## 1312	-3.637722026	-24.099335645	42.27897663	1.114892e+01	-3.649359e+00
## 1313	-3.235938567	-21.653116691	-16.16365070	-1.789315e+01	-2.364455e+00
## 1314	-2.968583471	39.110991274	-31.47303849	1.240725e-01	-3.978744e+00
## 1315	6.532107315	-3.382214558	41.90921063	3.222850e+00	-2.730553e+00
## 1316	-6.813370632	-28.059699920	-20.36075000	-1.061916e+01	7.654611e+00
## 1317	-10.836274471	-10.717210303	10.34985283	1.983049e+00	2.031087e-02
## 1318	-2.020890674	-7.277984598	-9.74269908	7.208188e+00	2.562848e+00
## 1319	3.390680661	35.087177162	-47.26833723	-9.782487e+00	1.365838e+01
## 1320	-6.615689319	5.293340590	18.29257666	-9.679211e+00	-1.303870e+01
## 1321	4.956605086	-3.051745953	26.47305720	5.987205e+00	3.572509e+00
## 1322	-11.589893764	-1.903444400	-14.39774333	-1.438356e+01	2.531342e+00
## 1323	-3.277981261	-46.234355310	10.19821676	-8.548883e+00	-4.300259e+00
## 1324	9.292428127	19.975205558	-6.09672831	1.752789e+01	3.715633e+00
## 1325	-20.840483039	-1.785278581	-8.79948448	-4.240246e+00	1.966687e+00
## 1326	-4.413738118	15.714550882	5.03742369	2.988715e+00	-5.061669e-01
## 1327	0.415082139	-33.636311232	4.18919462	-1.720271e+00	-8.645407e+00
## 1328	-0.381479442	-8.095094095	23.14787915	-1.974703e+00	-3.038852e+00
## 1329	-12.422114853	6.236154614	-11.54422964	1.858105e+01	-4.321350e+00
## 1330	9.009386089	20.957437481	14.75850537	9.410559e+00	2.200274e+00
## 1331	-5.943571974	-34.500606846	-80.79763777	1.686335e+01	-2.969448e+00
## 1332	-2.895210553	6.903888856	-2.68193551	1.606061e+00	-3.906193e+00
## 1333	-3.408329211	-17.670108707	-50.22755268	-5.931179e+00	-3.464712e+00
## 1334	-11.094392389	28.327826159	31.38981321	8.561343e+00	1.340095e+00
## 1335	24.069544892	4.113886911	-28.54327094	1.071002e+01	5.702159e+00
## 1336	-3.128714956	21.861912205	-9.81546607	5.113678e+00	-4.292519e+00
## 1337	0.779645505	-21.717103795	-11.86856924	-2.616048e+00	-3.512592e+00
## 1338	-0.908546418	-6.540210922	53.91090983	-3.977079e+00	1.206420e+01
## 1339	4.358690009	18.345695083	-23.90563923	-6.636574e+00	-6.873010e+00
## 1340	9.110500265	6.475591180	-18.19545032	6.667145e+00	4.820441e+00
## 1341	-10.683743127	-43.514270728	-71.70082288	2.345130e+00	3.555768e+00
## 1342	7.888961299	-17.251190336	-64.53613770	1.364992e+01	-1.554497e+01
## 1343	1.720294875	12.361288242	-39.39596909	-6.928679e+00	-2.722082e+00
## 1344	-5.424428556	17.609580115	25.91825656	-3.071662e+00	-2.693222e+00
## 1345	-2.060141064	-7.274822337	-15.08443536	-4.917629e+00	-1.510820e+00

## 1346	-6.518661224	14.132161723	15.92686130	2.971557e+00	2.223817e+00
## 1347	2.385633682	20.505578397	14.44069313	3.140287e+00	4.519611e+00
## 1348	14.441426627	-21.324015015	-17.16139165	2.499553e+00	3.505596e+00
## 1349	-8.316478558	-19.280924465	0.67488336	-5.934364e+00	-8.536026e-01
## 1350	1.822194369	-0.790436992	-2.51610155	-5.879355e+00	-1.064653e+01
## 1351	2.831103245	-23.119175080	-56.71338222	-4.772401e+00	4.302522e+00
## 1352	7.689429006	-8.864428672	-34.93983604	2.114446e+01	4.498189e+00
## 1353	4.577420532	-1.779020676	32.39895479	2.100876e-01	2.454330e+00
## 1354	1.357775620	-18.656603423	37.99498379	-2.988181e+00	5.330525e+00
## 1355	14.192740287	-39.737670352	-28.98792709	7.498396e+00	1.115863e+01
## 1356	-3.827202020	-8.409530478	52.17928697	-3.725848e-01	8.233239e+00
## 1357	2.530363395	-2.036784899	36.84099056	-1.710513e+01	5.959779e+00
## 1358	-5.680714652	16.636239596	-30.46185318	8.686753e-01	-1.575598e+01
## 1359	-2.489744104	-18.538314951	4.41837250	-4.631776e+00	-7.065030e-02
## 1360	9.957671710	-6.652224200	-3.49212926	1.593794e+01	-1.150903e+01
## 1361	8.940624054	10.898945750	10.91623225	-6.733150e-01	6.328683e+00
## 1362	-3.807682173	2.420454627	-9.88710130	1.926944e+01	1.112146e+01
## 1363	11.107308110	-22.095668948	23.55631349	1.107215e+01	-2.025525e+00
## 1364	2.151913630	-24.821214496	-19.53091386	-3.415278e+00	7.884189e+00
## 1365	-0.437426951	-24.128837603	7.43887411	5.531971e+00	1.025980e+01
## 1366	10.492965715	-18.299451249	0.44735247	-8.077726e-01	-1.569088e+01
## 1367	4.916148425	-5.102588355	-5.56115757	1.555257e+01	-1.095538e+01
## 1368	-3.378304635	27.318084091	-11.99276831	-1.888510e+00	-9.794984e-01
## 1369	-1.654163863	17.826073925	43.24287262	-1.548911e+01	-3.401918e+00
## 1370	11.247753612	0.608943268	48.80739149	-1.211013e+01	-2.806617e+00
## 1371	8.984913239	-25.349642964	-14.90194588	-2.619103e+00	-2.659185e-01
## 1372	-4.727410879	-16.271480027	-12.81224345	-1.137922e+01	2.702215e-01
## 1373	10.884337496	5.255100294	-26.19342217	1.095639e+01	-1.272924e+00
## 1374	7.780664327	23.025513024	-19.59849041	-3.783278e+00	1.844657e+00
## 1375	7.959363751	-25.803927298	8.71699601	-7.790287e-01	3.397159e+00
## 1376	-9.579450462	25.140947893	-12.96840696	-1.879927e+00	4.360877e-01
## 1377	10.233510794	-18.105755261	11.55034138	-1.381016e+00	-1.789778e-01
## 1378	-9.546665067	-40.514679741	0.25045428	-1.529320e+01	-2.563117e+00
## 1379	12.067956032	6.544013780	-34.78598248	-2.437544e+00	1.681564e+00
## 1380	10.135012716	25.239184755	-10.70920600	6.408993e+00	6.179884e+00
## 1381	4.357208873	-14.900607278	11.48267996	1.404330e+00	6.093460e+00
## 1382	10.512119834	-0.273617220	-24.87590270	3.866101e+00	-7.490124e+00
## 1383	-1.399575255	2.845845572	-5.37247155	-6.983910e+00	7.913365e-01
## 1384	3.083808497	11.612916057	-2.23923131	-8.753373e+00	-1.233993e+01
## 1385	3.740207322	-17.057544288	-23.63338899	6.458306e+00	-3.359252e+00
## 1386	-6.533784823	-7.385237532	10.20719867	1.049479e+01	1.875995e+00
## 1387	-3.778588934	-23.031374316	-28.70861999	2.767079e+00	1.045700e+01
## 1388	-5.608775261	-5.474097382	-2.70158282	-1.107271e+01	6.274949e+00
## 1389	0.892566971	-14.031031489	7.04465492	-8.485591e+00	9.027005e+00
## 1390	-6.053522172	-22.368943207	-16.05551575	-6.741496e+00	3.241112e+00
## 1391	-1.681676573	20.198915698	-19.46615034	1.270298e+01	-5.175602e+00
## 1392	-5.198627692	-1.808107595	48.17194408	-4.595373e+00	4.178622e+00
## 1393	2.786961456	-2.758213705	-11.59924459	3.978043e+00	-5.069562e+00
## 1394	-16.966668322	-5.017724679	-18.86235881	1.009543e+01	-6.325165e+00
## 1395	-2.468827510	-26.718384233	-11.35808166	-8.170386e+00	-4.802875e+00
## 1396	-9.290949826	3.921086604	20.11248713	-9.421800e+00	-7.582654e+00
## 1397	-4.115744331	10.046367362	46.59770966	-9.696846e+00	7.275236e-01
## 1398	8.942167138	-37.882174278	-35.69029451	8.385662e+00	5.982727e+00
## 1399	4.662305880	5.387681739	5.76064002	2.180061e+00	-2.710065e+00

## 1400	-4.613945710	-1.808085280	25.57607008	-5.743582e+00	1.773939e+00
## 1401	-2.202236593	16.372963011	14.92201706	5.837637e+00	-3.152163e+00
## 1402	-12.502200199	20.495245330	-8.99354456	1.002394e+00	2.053053e-01
## 1403	4.904390443	-0.807038968	7.22114191	-7.501337e+00	9.756351e+00
## 1404	-12.912515964	18.782836336	11.77094969	-4.380154e+00	-1.839422e+00
## 1405	-4.390360454	5.462996456	-28.15174556	1.576323e+01	1.264410e+01
## 1406	4.734235132	-22.828588664	3.97248094	4.002507e+00	-7.591672e+00
## 1407	-2.539173249	5.071789229	-20.94915797	-1.320416e+01	-4.220175e+00
## 1408	-5.878643806	5.439687777	-52.29462106	1.572162e+00	-5.828741e-01
## 1409	-1.856494136	16.044481652	10.68016863	-3.164476e+00	-4.356832e+00
## 1410	-12.355253124	20.511717160	19.83269484	-5.236168e+00	7.063105e+00
## 1411	6.450817417	16.229244611	-8.85761164	-1.733414e+00	-7.463025e+00
## 1412	-7.010965611	17.558429835	-46.81604731	-5.570292e-01	5.664666e+00
## 1413	-3.335637552	-4.699991468	7.00124726	-9.111097e+00	4.330069e+00
## 1414	20.156069027	19.800137333	23.33892605	8.513770e+00	-8.256930e+00
## 1415	-6.438430386	-26.798370012	-32.98032623	1.930994e+00	-1.790409e+00
## 1416	-6.655487524	1.896968154	15.61695257	1.318289e+01	-1.136497e+01
## 1417	8.106620762	8.256208501	2.39451954	5.247154e+00	5.401602e+00
## 1418	-6.394083198	23.793536842	-40.86215190	-5.983232e+00	-1.267857e+00
## 1419	-6.505287975	-8.697481578	-32.40727185	-8.895814e+00	4.500281e+00
## 1420	6.923467072	0.947293485	-35.48642569	-4.134104e+00	-1.676446e+01
## 1421	1.836336411	17.589257230	-39.73990367	2.118322e+00	3.188235e+00
## 1422	18.194547691	18.193800092	27.03065149	6.157663e+00	5.774940e+00
## 1423	-11.122067485	-12.715978485	-1.02607027	9.798598e+00	-8.575356e+00
## 1424	-4.009384604	21.523635779	-1.80481708	8.972663e-01	1.372697e-01
## 1425	-7.462821852	-20.312399342	-2.90719686	3.631428e-01	-7.753275e+00
## 1426	-6.147350215	13.521785239	6.98915075	-1.265777e+01	-2.137351e+00
## 1427	5.743332841	21.906486787	74.23907128	7.711395e-01	-3.281613e+00
## 1428	0.153450375	-9.256332753	-36.96320321	-6.562149e+00	2.056746e+00
## 1429	0.999972114	-15.806053680	-6.50519289	-5.922077e+00	1.361280e-01
## 1430	1.147094995	6.628851316	-32.88677461	-4.864968e+00	2.008729e+00
## 1431	0.907158367	-10.306504840	-26.16397963	8.786105e+00	5.697229e+00
## 1432	-1.818924206	-18.487534314	18.50817282	-2.088000e+00	-6.136789e+00
## 1433	-7.347029887	-21.441607078	-75.65045129	-1.245767e+01	-2.936192e+00
## 1434	14.298254285	8.099340124	-10.60331771	1.860599e+01	-5.470492e+00
## 1435	-2.242623783	-13.563526441	50.18086077	9.508409e+00	-7.077185e+00
## 1436	9.081995877	-12.872387505	-23.43651329	4.342335e+00	-1.018010e+01
## 1437	-9.162129105	0.163961251	-30.71896255	8.403591e+00	-8.095470e-02
## 1438	-10.465382481	-13.409350599	-4.65749985	-1.476084e+01	-3.668072e+00
## 1439	-17.004610157	-28.335957502	15.90243709	-1.490071e+01	-4.613182e+00
## 1440	-4.083759005	-1.032212427	-59.84199668	1.054708e+01	-1.901566e+00
## 1441	-8.696661393	-20.711057617	-10.74116015	-3.348443e+00	-8.626424e+00
## 1442	2.084479621	-9.687135675	-23.08831152	6.874409e+00	6.596179e+00
## 1443	9.927286286	1.313033856	-5.14138272	4.522847e+00	2.849416e+00
## 1444	7.433722893	-9.503605338	16.03426668	1.034984e+01	9.196281e+00
## 1445	3.361554584	-37.851187339	-2.60112876	-2.457820e-01	-1.574901e+00
## 1446	-7.952549661	-9.131161450	8.86146346	-2.740401e+00	-5.481514e+00
## 1447	5.112372959	35.579711810	31.49136169	8.391906e+00	-8.021363e+00
## 1448	2.795565034	-6.657929802	-1.68817662	5.136263e+00	-7.902051e+00
## 1449	4.965931676	-23.038149890	-27.37593595	1.333506e+01	1.609172e+00
## 1450	11.869918543	-29.285011090	-40.06338388	1.203034e+01	-3.320173e+00
## 1451	-5.722898716	-19.306747900	32.34013338	3.615166e+00	-6.416147e+00
## 1452	1.519409358	-11.750091494	4.26428265	1.795766e+00	1.610044e-01
## 1453	20.246168051	-7.125645848	4.84945926	4.938844e+00	-7.661667e+00

## 1454	-6.447121594	-19.160005744	-23.01156085	-1.147021e+00	1.028722e+01
## 1455	7.955512110	-8.670530299	11.15774915	-4.388231e+00	-1.250147e+01
## 1456	0.913884012	-20.563522781	-58.04983533	-6.339287e+00	-8.644368e-01
## 1457	-7.747221001	-4.060362189	0.40241866	-1.417746e+01	-1.557225e+01
## 1458	-6.517094976	-0.097969939	-13.99197593	-8.937482e-01	-1.383790e+00
## 1459	8.271817285	5.155591647	-7.33225085	1.195628e+01	-6.434794e+00
## 1460	6.359879016	50.534198132	-1.30029872	-1.348077e+01	-5.766115e+00
## 1461	9.081399934	-21.977124137	20.36695330	-1.950432e+01	-1.599418e+01
## 1462	-7.731626206	-7.119049540	51.78339273	2.121165e+00	-1.906013e+00
## 1463	-6.868744658	-10.880682058	-8.40019488	-8.643913e-01	2.460285e-01
## 1464	11.851391492	-8.505441705	-29.40209468	1.612824e+01	-6.008033e+00
## 1465	-2.953325190	14.988666503	27.46492665	-1.308311e+01	-8.644048e+00
## 1466	-8.210164183	4.219779555	-26.53871064	-5.396236e+00	-8.287855e+00
## 1467	1.000135795	12.121229697	-11.64518816	1.475594e+01	-5.025555e+00
## 1468	-7.628429180	0.143338022	2.80744848	1.317711e+00	-5.934696e+00
## 1469	1.824198127	36.364365434	-22.71845927	-1.963694e+00	6.668954e+00
## 1470	7.903832208	15.580182845	-20.91873309	-2.105487e-01	-1.300567e+00
## 1471	-1.366135349	13.401321098	-47.56799698	-4.530158e+00	-3.911888e+00
## 1472	1.113587618	4.693194426	-24.05969449	-1.117450e+01	-5.991307e+00
## 1473	-1.318816545	-13.368658202	8.91163916	-8.939623e+00	-3.052982e+00
## 1474	-5.515284129	0.993922844	7.38149488	2.457882e-01	9.208887e+00
## 1475	3.155561198	-0.267853179	-31.98164273	6.780905e+00	-1.104990e+01
## 1476	-7.067768023	17.695254381	47.35190218	-1.180421e+01	9.526451e+00
## 1477	-1.463109599	-2.765378506	-41.69273252	-1.681238e+00	2.400494e+00
## 1478	-1.663141393	-18.411454223	-18.35139664	5.123359e+00	3.312155e+00
## 1479	-18.065875823	-20.546382810	-51.39722917	1.205090e+00	-4.743361e+00
## 1480	-0.084042951	-27.348623285	-19.98265299	-1.358769e+01	4.142165e-04
## 1481	5.249667058	13.259921606	-0.47699065	2.584018e+01	1.090818e+01
## 1482	4.572386735	10.780860865	-0.74320776	-7.507833e+00	3.780300e+00
## 1483	2.599006825	-12.104198045	4.61098875	-5.652453e+00	9.914767e+00
## 1484	3.968033464	-3.477016489	12.82420332	1.152625e+01	-3.735168e+00
## 1485	-6.375267754	-19.067396019	-14.87023269	1.437242e+00	-2.881268e+00
## 1486	-4.297571658	8.700558284	23.98368104	-1.173809e+01	-1.009180e+01
## 1487	3.581225468	-26.571666846	17.36941843	1.358774e+01	6.171104e+00
## 1488	12.008858570	15.784265556	-4.82750824	4.071884e+00	-1.043758e+01
## 1489	4.863451238	-55.512209358	-74.77487906	-6.864305e+00	-2.313394e+00
## 1490	-2.953109056	-15.475217910	23.68010627	4.117403e+00	-1.358235e+01
## 1491	-12.139967764	-11.378250888	34.07914466	4.108185e+00	-4.668447e-01
## 1492	-14.450768751	-19.161649219	-51.71216427	3.165104e-01	7.314172e+00
## 1493	1.260661456	-21.447862186	-4.26649409	5.831824e+00	-1.871707e+00
## 1494	-6.815649972	19.127880255	-30.57622589	-6.481772e+00	-8.297399e+00
## 1495	-1.573320048	35.890380161	-52.82374447	-7.530073e+00	-4.445429e+00
## 1496	-5.500898741	-3.070602052	5.57991915	-3.920194e+00	3.429561e+00
## 1497	20.926812431	-0.400377901	0.50318833	1.539130e+01	2.858498e+00
## 1498	-10.539925237	-4.751234372	-7.97903582	-4.764603e+00	6.533409e+00
## 1499	-5.990024010	-0.413497518	7.77791081	6.954060e+00	3.816302e+00
## 1500	-7.461168582	-3.338162059	7.05829136	-1.826603e+01	-1.174589e+01
## 1501	-4.690018305	11.451891005	3.86849090	-4.356857e+00	-6.037572e+00
## 1502	-8.414422961	4.553644866	10.84581158	-5.821065e+00	-7.089014e+00
## 1503	7.077888549	2.277818687	-50.84330732	-8.624965e+00	3.302771e+00
## 1504	0.652133370	-18.034916151	-8.37670997	7.787515e-01	1.056472e+01
## 1505	-0.597285827	16.748154779	12.03936639	-4.164877e+00	1.693692e+00
## 1506	5.188579820	-24.001373002	-27.40751211	7.126262e+00	3.252034e+00
## 1507	8.165196445	-19.245953214	12.51808628	1.614604e+01	2.107914e+00

## 1508	1.405473200	-3.623392158	-9.11183364	1.845006e+01	-1.023174e+01
## 1509	1.673580701	-4.097050546	17.96330987	1.208719e+00	4.857213e-01
## 1510	1.935409155	15.717351071	76.42216777	-2.091731e+01	4.211128e+00
## 1511	10.793926898	-2.074832420	12.21874898	-5.183672e+00	1.049420e+01
## 1512	-3.816068373	0.578681920	-10.97440876	-1.976562e+00	-1.488871e+00
## 1513	4.805081652	-17.829055720	54.41382889	-5.935088e+00	-1.337413e+01
## 1514	-13.908418503	-30.899265756	-96.75737085	5.031931e+00	2.580018e+00
## 1515	6.474612887	10.834739723	10.45750934	1.660173e+01	5.432735e+00
## 1516	2.971768543	-4.072345819	-53.36991983	-1.048008e+01	-1.313878e+01
## 1517	11.577601286	-6.583066409	45.33023461	5.207312e+00	5.790107e+00
## 1518	15.694775480	-12.901408384	-24.17014353	-1.705204e+01	-3.465236e+00
## 1519	12.633642696	6.224677893	-24.60179676	9.063716e-02	8.784221e+00
## 1520	1.987078575	-4.646233189	-34.07656482	2.375257e+00	6.364974e-02
## 1521	10.652972106	19.468987119	-25.88477417	-6.793940e+00	4.106253e+00
## 1522	9.384007249	24.577375154	-15.35688012	-1.709323e+01	1.004976e+01
## 1523	5.903987875	-1.016298564	-18.23001521	-1.480619e+01	3.647915e+00
## 1524	-4.795620297	-10.362379031	-33.85630510	-1.315868e+01	6.129573e+00
## 1525	-5.558484309	-14.863274599	-14.30437208	2.967618e+00	-1.326310e+00
## 1526	-12.964287572	-12.843658193	32.56416198	1.383715e+01	3.180619e+00
## 1527	8.711972707	-13.835645627	-7.60295370	1.640994e+01	2.191197e+00
## 1528	11.362878446	-26.355117790	-65.89075560	-2.941557e+00	4.320032e+00
## 1529	-2.900727811	-7.314971591	-45.94083672	8.866376e-03	2.602426e+00
## 1530	-5.224182798	-14.808501683	8.43766425	-4.805306e+00	-1.996059e+00
## 1531	8.289925880	8.572972071	7.08566285	9.960539e+00	-1.244151e-01
## 1532	11.310814491	-9.929114194	53.34478522	-1.142768e+01	6.352038e+00
## 1533	16.027735635	26.526243866	-34.97282183	-2.309015e-01	-8.732741e+00
## 1534	4.083917840	36.341025093	-7.96293691	3.733532e+00	3.270384e+00
## 1535	0.815664899	-14.308458764	-30.91744649	6.188516e+00	-1.574460e+01
## 1536	-13.776714176	-5.629995270	6.71252325	-5.133938e-01	-4.863785e+00
## 1537	0.982614976	-12.713322333	26.07435382	-4.294108e+00	2.791142e+00
## 1538	8.520807871	36.189842650	-28.05012873	-1.368130e+01	-1.125857e+01
## 1539	4.748022038	29.162856016	32.32952127	9.101203e+00	6.984871e+00
## 1540	-9.897747706	-8.193446533	2.12904843	8.444935e+00	-6.150055e+00
## 1541	-16.338019851	9.192799924	-11.25268125	1.295681e+01	1.115483e+00
## 1542	-7.684384243	-1.210243253	-26.72290066	-1.146715e+00	1.313571e+00
## 1543	15.535024352	2.612525779	-69.11141358	9.998752e+00	5.316866e+00
## 1544	5.258032448	-0.069900626	14.30674896	-6.395271e+00	-2.525945e+00
## 1545	1.604321301	-8.653257676	-15.53290260	2.034275e+00	-3.744863e+00
## 1546	3.274721423	-19.369903564	-43.31021078	7.344453e-01	5.039011e+00
## 1547	0.455033621	42.611466987	-5.19940896	4.780038e+00	6.534691e-01
## 1548	-3.385788133	-10.665419485	-59.66465896	4.043196e+00	-8.857351e+00
## 1549	9.570227402	41.226958973	5.71143701	2.865090e-01	-2.460078e+00
## 1550	-2.131902347	21.530739926	-48.63740618	2.049428e+00	-4.445564e+00
## 1551	0.503650845	-29.163963902	-25.11728375	1.617886e+00	-1.330683e+01
## 1552	-8.761933830	2.332178701	8.71090012	-5.559943e-02	-1.432985e+00
## 1553	10.015649406	-25.058446512	-5.63383807	-1.150884e+01	1.132075e+01
## 1554	0.667604564	-2.307007735	10.22898578	-1.390776e+01	-6.508334e-02
## 1555	-19.150215477	16.786455836	-19.91901141	1.644955e+01	6.035859e-01
## 1556	5.618380688	-24.922232579	-45.73958297	-1.910636e+01	2.576716e+00
## 1557	5.914848096	-26.378196371	-77.50611355	2.527197e+00	-3.378437e+00
## 1558	-2.659739410	8.874892488	37.64387862	-1.134421e+01	-5.361098e-01
## 1559	-4.581994834	-2.237595046	-4.61091761	4.098856e+00	3.461981e+00
## 1560	1.784482002	-28.019263759	-13.16110747	-4.387337e+00	-1.190695e+01
## 1561	1.967102042	-0.265615607	66.90706906	-5.689481e-01	-1.843562e+00

## 1562	0.447121035	1.494384939	36.98202935	6.156271e+00	1.115893e+01
## 1563	-2.406332359	27.383145343	-5.75468613	-1.861321e+00	7.059453e+00
## 1564	-11.694810175	-4.128687760	23.01428784	-6.270192e+00	1.340407e+01
## 1565	-0.262685856	23.330716792	-34.18394128	-7.299814e+00	2.630279e-01
## 1566	12.265137840	35.997385885	39.85800888	-7.058359e+00	-2.625034e+00
## 1567	-10.339987940	-7.465219436	32.61120037	1.863264e+00	-1.215712e+01
## 1568	-2.662874270	20.145898815	9.32319536	-6.093514e+00	4.620320e+00
## 1569	-3.532190781	19.564424096	-26.34185773	-3.689651e+00	-1.771094e+00
## 1570	14.141150395	-0.196845134	15.25252842	8.498548e+00	3.492755e+00
## 1571	-1.731460192	19.948789838	35.92617909	-1.167651e+01	-5.739713e+00
## 1572	-1.451795337	-17.919831586	32.27178973	-1.510940e+00	-2.185657e+00
## 1573	-9.896024535	6.938084831	13.84822344	-3.594481e+00	-1.939496e+00
## 1574	-11.108041138	12.601699338	30.31461269	1.571662e+01	2.406275e+00
## 1575	4.121963100	-24.187328250	-8.10830035	3.992119e+00	-5.379585e-01
## 1576	3.217048362	29.494355321	28.70517735	8.743528e+00	-3.043390e+00
## 1577	-4.413407283	16.035222651	-20.70284649	-2.349490e+00	9.002881e+00
## 1578	-5.459268496	15.493856661	-14.86460167	2.768168e-01	-9.981165e-02
## 1579	-1.347019818	-23.319822846	-16.16994073	3.533261e+00	4.092598e+00
## 1580	-5.697177034	17.083217154	8.46557658	4.407211e-01	-2.060565e+00
## 1581	7.397089717	0.960654927	-6.90116666	6.531847e+00	1.135727e+00
## 1582	5.628747901	-22.442007695	-12.49884788	-1.140541e+01	2.362980e+00
## 1583	-0.711562890	28.286606990	-25.97700503	-3.783590e+00	-7.077760e+00
## 1584	12.328721239	43.257715581	24.02527481	-1.583195e+00	-5.109969e+00
## 1585	-1.735610355	-23.583546770	-24.81405252	-1.517733e+01	-6.439226e+00
## 1586	-3.850761557	-17.373461027	17.78886824	1.941034e+01	-6.072499e+00
## 1587	-3.187193137	25.550871189	-45.30524646	1.207422e+01	-6.547515e-01
## 1588	-1.665845237	12.192929898	19.85293525	-5.291074e+00	8.455478e+00
## 1589	3.630660664	-9.001429543	-17.20067349	-4.682456e-01	5.003410e+00
## 1590	4.310227166	0.627388409	-14.54647580	1.145128e+01	1.302379e+01
## 1591	-2.518262450	30.869796900	-10.57857017	6.083504e+00	7.846960e-01
## 1592	6.163764600	3.001099956	-65.14102162	2.502185e+00	2.513800e+00
## 1593	-1.392484454	-11.636117709	-11.07241743	-1.287870e+01	1.089354e+01
## 1594	4.720448286	-8.931903026	-3.77507605	5.990296e+00	-9.045517e-01
## 1595	3.629971292	-16.118418859	0.42544936	-1.373875e+00	1.486674e+01
## 1596	-0.723423799	9.142405997	-6.06468461	-1.510929e+01	-8.663150e+00
## 1597	-11.437180356	-19.784442710	-33.14564071	-1.442496e+01	-1.289351e+00
## 1598	16.016423044	20.373615093	21.56772446	-8.473090e-01	-1.537390e+00
## 1599	9.532366288	5.757253445	30.36697071	-1.036473e+01	-4.209974e+00
## 1600	-1.854457189	-1.308279702	-2.39412290	1.591608e+01	7.618121e+00
## 1601	-3.238053539	-18.645934357	-27.10638605	-1.007894e+01	-4.833107e+00
## 1602	8.558341258	-1.263280659	-56.69658777	6.878668e-01	-1.255771e+00
## 1603	1.574408161	19.998193691	6.19500896	1.797102e+00	8.114422e+00
## 1604	5.397570259	-8.435847463	9.42833851	1.516928e+00	-1.296114e+00
## 1605	-9.407714757	26.446598776	-23.71731674	-4.671527e+00	-5.199678e+00
## 1606	-7.188255017	7.097356010	39.73340290	9.160976e+00	-1.211037e+00
## 1607	3.253800611	-12.278801892	20.66221783	3.842069e+00	3.062737e+00
## 1608	-7.634098764	18.700341698	-36.39567158	-3.459841e+00	4.147168e+00
## 1609	1.449782844	-8.627917021	-26.23895771	-3.259473e+00	8.775178e+00
## 1610	-18.252887571	19.522914526	-2.67373930	-1.813614e+01	2.455031e+00
## 1611	4.563336599	-6.126073908	0.66183051	2.372629e+01	1.768318e-01
## 1612	4.636366741	-11.991175136	-0.84458786	-5.071221e+00	-7.947815e+00
## 1613	0.607467000	-20.114929847	2.61490190	4.283600e-01	-2.731869e+00
## 1614	-11.505624368	-8.523752309	-6.27106847	1.122168e+01	-1.520007e+00
## 1615	-15.661289012	4.385606563	-12.23303662	-2.419313e+00	1.056685e+00

## 1616	14.645306555	-11.999371363	-11.86595052	-7.142231e-01	-6.926999e+00
## 1617	-1.356391185	-16.646076154	-26.49674721	5.691881e+00	9.720741e+00
## 1618	0.831973480	14.533571732	39.98318441	-7.823471e-01	3.909812e-01
## 1619	-10.544672822	20.931836947	11.88726972	-1.135258e+01	4.408723e+00
## 1620	3.960648891	16.466219882	-16.15388317	-3.210161e+00	-2.098698e+00
## 1621	-2.957639379	11.280996608	15.41715191	1.537996e+00	3.953260e+00
## 1622	15.736620845	-15.803609835	8.59858679	-6.137510e+00	-2.090038e+00
## 1623	1.777197842	13.637594344	-6.34487894	-5.673245e+00	-3.968265e+00
## 1624	-5.486040211	4.734649544	-28.05625517	6.649912e+00	-1.689611e+00
## 1625	5.850531372	-17.021002097	-0.42294026	-5.781590e+00	7.151514e+00
## 1626	4.913229749	7.346938550	1.86799351	8.503098e+00	-1.443301e+00
## 1627	10.493614799	-6.008934948	-30.72244990	-2.268435e+01	9.926419e-01
## 1628	6.440511840	6.290761219	51.76667132	8.819530e+00	3.113815e+00
## 1629	9.002931767	-18.413232612	-6.04901201	-4.713319e+00	1.708388e+00
## 1630	1.193944869	-14.183855008	-30.86130982	1.935452e+00	-4.464188e+00
## 1631	1.432148653	18.928339127	-39.42647752	-1.345901e+01	8.084421e-01
## 1632	1.344153386	-0.132376166	35.49327070	-2.678074e+01	2.154028e+00
## 1633	-2.877818501	-6.272809801	22.92588684	-8.834447e+00	8.264211e+00
## 1634	11.780195167	20.564445399	27.00483373	-9.419650e+00	6.099917e+00
## 1635	-7.770495080	-19.057109975	26.11596355	1.197789e+01	-7.876127e+00
## 1636	-3.303138977	-20.955947326	-40.86275936	9.400044e+00	4.877667e+00
## 1637	-0.004066101	-5.236221146	-5.07690116	6.667079e-02	9.619295e+00
## 1638	0.112425405	-6.560062861	24.94280946	-4.844388e+00	8.609162e+00
## 1639	12.171043418	-23.635576943	11.24224082	-7.464848e+00	-7.941063e+00
## 1640	4.034680572	-12.971395850	11.88369072	5.469285e+00	-3.698956e+00
## 1641	18.653245354	16.435986265	-24.06904867	9.246091e+00	1.087234e+00
## 1642	-1.782942398	17.075218556	-23.43486450	1.645972e+01	-6.985548e+00
## 1643	-13.072286658	-44.892078378	-22.59499193	-5.249969e+00	2.637585e-02
## 1644	-4.024457034	20.875534131	-9.16042927	-4.099649e+00	-7.003865e+00
## 1645	4.104011745	-21.633104660	-34.68284752	8.613280e+00	4.180498e+00
## 1646	6.943644573	-15.126050711	-12.63384795	5.944352e+00	6.783819e+00
## 1647	-9.546782201	15.195657627	-8.48191006	8.124108e+00	8.118681e+00
## 1648	-0.615040888	16.930676894	-24.05414626	-1.088052e+00	-4.771864e+00
## 1649	-2.723295193	-0.676007841	29.11369385	5.392436e+00	1.676313e+00
## 1650	8.242064450	-40.282010801	4.47562742	4.975503e+00	-4.967035e+00
## 1651	-14.669220095	18.056492743	-4.10221308	1.578880e+01	-1.080851e+01
## 1652	-6.464323564	0.669755874	0.61089660	1.424310e+01	9.672437e+00
## 1653	1.416312469	14.441310728	-8.60610404	4.447682e+00	-1.807745e+00
## 1654	-2.798671513	43.947437126	-11.50188771	-8.867454e+00	-2.460080e+00
## 1655	1.070701239	17.020772900	15.09682575	1.254411e+01	8.717080e-01
## 1656	-2.374078480	-22.396397156	26.23753724	-9.451069e+00	2.103151e+00
## 1657	7.971307985	-8.592612975	-0.32455773	2.093539e+01	1.022581e+01
## 1658	-11.349661534	4.205353163	4.00630248	-4.394021e+00	2.879556e+00
## 1659	-12.480047042	-10.482856100	-26.20451915	3.505890e+00	8.968131e+00
## 1660	4.777069698	10.817929383	-46.83763270	-8.435097e+00	9.119378e+00
## 1661	-4.499363203	6.173712357	7.34923281	5.565830e-01	6.909620e+00
## 1662	4.182199709	15.078046675	-7.96467204	-1.616905e+01	-5.978841e-01
## 1663	-4.363974836	-16.443172948	7.96741090	5.646901e+00	-9.392820e-01
## 1664	-6.016656450	-5.171131146	5.19912881	-1.367605e+00	8.853177e+00
## 1665	-1.446683130	-41.116096530	-57.25570604	-1.000641e+01	2.915235e+00
## 1666	-4.736516757	-20.953070147	-16.10947145	1.447596e+01	4.925047e+00
## 1667	-4.645685939	-8.734046339	11.28115339	4.785867e-01	-2.537380e+00
## 1668	-23.009493690	9.507056479	-14.20192028	-7.163834e+00	-7.588449e-01
## 1669	1.739924842	-7.695677847	-7.77815144	-1.045490e+01	-6.885199e+00

## 1670	19.057301683	11.050878125	41.41780137	3.577760e+00	5.956924e+00
## 1671	-12.822733539	19.090825557	-12.06028314	5.017568e+00	-3.582491e+00
## 1672	5.579891397	-13.194820110	-46.69559722	1.351538e+00	-8.989825e+00
## 1673	2.644715907	-26.849870909	-21.59960364	-1.071705e+01	-6.968121e+00
## 1674	-3.227016722	-1.457017998	-26.59694053	1.874170e+01	-5.545208e+00
## 1675	-1.348643266	10.078382045	4.66444721	1.411572e+01	-3.783305e-01
## 1676	6.076005746	4.402104711	56.07251431	-5.059055e-01	6.974257e+00
## 1677	-3.010784063	2.677208129	-13.64600118	-6.732635e+00	-1.835998e+00
## 1678	9.014158290	35.473974347	-44.14385881	5.359614e+00	-3.755054e+00
## 1679	-2.761355969	-21.168845205	-62.61075910	-8.137433e-01	-4.276481e+00
## 1680	0.273634886	19.251130055	-31.98473767	2.141432e-01	4.897499e+00
## 1681	-5.152321726	-3.818740904	-32.72499683	-8.402415e+00	-2.682745e+00
## 1682	-4.704514353	-7.853690169	-26.61047710	-2.117978e+01	-6.291445e+00
## 1683	6.461680522	-16.898889560	-54.90814569	-9.218452e+00	-6.979625e+00
## 1684	-3.132474520	-24.250131626	35.00336791	-2.837239e+00	2.458967e-01
## 1685	9.509095766	-5.618117337	-0.68834258	-1.331386e+01	6.993818e+00
## 1686	-4.581289634	-26.062236737	-24.47165827	9.978705e+00	4.237086e+00
## 1687	2.740945859	-22.453815726	12.41121349	-6.822789e+00	7.233642e+00
## 1688	10.533542373	-2.049994285	9.64811718	-8.414755e+00	-8.845550e-01
## 1689	-3.543643448	-20.901687625	-20.56458696	1.813949e+01	-1.098609e+00
## 1690	-3.249995787	-8.934142441	2.62105477	-1.773572e+00	-3.158667e+00
## 1691	-4.892621010	15.575710242	-27.35909707	2.330856e+01	-4.308244e-01
## 1692	-22.955056234	-36.011830148	21.95633784	1.308047e+00	-5.808108e+00
## 1693	-5.650782910	-20.214725960	-44.48720651	-7.145692e+00	-7.414618e+00
## 1694	-2.221823840	33.668173095	25.14784312	-9.607156e+00	9.557224e-01
## 1695	-1.551263548	34.664343020	66.41401136	-2.500014e+01	4.596480e+00
## 1696	11.962828554	-13.364708480	-24.26547375	1.094979e+01	-5.555944e+00
## 1697	3.180773001	16.528131609	-13.39049737	-1.837481e+00	7.086050e+00
## 1698	6.795847260	-13.725231872	15.68148262	-3.692840e+00	4.020609e+00
## 1699	-2.594484694	-3.648601402	-35.98531811	1.839035e+01	3.551471e+00
## 1700	-6.122036980	-25.869948101	-12.77943734	9.395266e+00	-2.444448e+00
## 1701	-6.207483654	21.044373092	-5.16451916	7.711020e-01	-1.552500e+01
## 1702	-0.749557013	-17.457623766	16.45465102	-1.148775e+01	-1.285564e+01
## 1703	4.398244694	-14.590250894	5.27964005	-1.208884e+01	-1.770003e+00
## 1704	7.318217166	-18.544030673	21.76210831	-6.617036e+00	-1.128509e+01
## 1705	0.316823789	10.286623871	-23.60083126	4.217846e+00	6.557492e+00
## 1706	-3.402315887	-16.066030940	-21.63141434	-3.810847e+00	-1.150666e+01
## 1707	14.711610242	-8.701480921	-4.66564411	-1.011940e+01	-5.113475e+00
## 1708	-0.150807457	-19.067813334	-3.53319414	-1.017782e+01	-1.900519e+00
## 1709	-3.762457833	0.717106585	-14.78239468	7.128047e-01	-4.840011e+00
## 1710	-0.391369286	13.006917819	-27.67418752	-1.950963e+00	2.830816e+00
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## 1713	7.928345211	-10.251267281	-19.36565534	-5.339224e+00	-9.823584e-01
## 1714	2.837995465	-0.296716022	-32.43858299	-3.995568e+00	-1.456233e+00
## 1715	1.733258719	-16.050006778	26.33591294	-5.739872e+00	9.522303e-01
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## 1724 -13.087151444 14.634607583 13.15587687 -1.478881e+00 -2.372381e+00
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## 1746 6.437538303 13.794312034 -1.65039209 -2.657041e+00 -1.768868e+00
## 1747 -13.054654231 3.062717490 -15.47291855 9.637048e+00 1.535750e+00
## 1748 6.610250479 14.657960694 22.45599622 9.808877e+00 9.437799e+00
## 1749 -1.596448645 1.524153429 -8.15874130 1.068732e+01 8.201604e+00
## 1750 -2.195803444 -2.878465535 17.70848520 3.874186e+00 -1.331909e+01
## 1751 -4.269327832 -33.761734762 -24.21481793 1.903046e+01 -2.055176e+00
## 1752 2.826511141 -31.471734919 -39.88349497 6.447269e-02 -2.666285e+00
## 1753 9.665498202 -13.024785666 -61.38083348 1.048392e+01 1.105442e+00
## 1754 -5.155619331 8.273264717 -21.07201710 -2.747652e+00 1.932990e+01
## 1755 -13.522352605 24.802022619 -14.80820851 1.569507e+00 8.953943e-01
## 1756 -6.738684419 -22.671185228 -24.14219158 6.437056e+00 2.668292e+00
## 1757 7.212509360 19.450334535 -23.77579078 3.554430e+00 -4.847588e+00
## 1758 2.933216716 18.877440239 -1.62191390 1.853871e+01 6.876436e+00
## 1759 6.103761157 6.215221808 20.29646307 -9.391198e+00 2.092073e+00
## 1760 9.220249589 -12.722410174 -44.66175503 6.461759e+00 -3.486128e-01
## 1761 2.676701152 2.623371019 24.52212146 -1.007446e+01 1.272003e+00
## 1762 7.597518748 -31.382633304 21.41047937 5.407941e+00 3.966965e+00
## 1763 -17.243664541 -2.819182331 -26.81062888 -3.409417e+00 -5.541083e+00
## 1764 1.373578803 -6.438753525 -28.23881957 -7.350802e+00 1.122773e+00
## 1765 4.826046458 -23.168359988 21.46036859 -1.198559e+00 6.320517e+00
## 1766 -4.462524216 -8.316352388 -1.00361366 1.888723e+00 -6.199935e+00
## 1767 1.480520178 -31.665796284 -64.03421346 -3.334347e+00 -1.320631e+00
## 1768 -13.815049862 -26.805546675 -11.59076756 -2.356369e-01 6.145380e+00
## 1769 -3.082567279 -5.778504239 -14.45676807 -9.386988e+00 4.810197e+00
## 1770 1.033570015 -9.324184187 5.58203667 -1.406782e+00 7.320224e+00
## 1771 -1.410920251 -29.834392805 -3.38621496 6.669496e+00 7.951434e+00
## 1772 -13.257798174 -7.745789771 -25.22295220 3.844777e+00 8.137321e+00
## 1773 2.175752079 15.327631619 -15.42443133 -9.306440e+00 2.085194e+00
## 1774 1.740617305 17.937729046 55.46007341 -3.778107e+00 -2.267628e+00
## 1775 5.209028630 -39.723172263 11.65655165 3.054211e+00 2.273258e-01
## 1776 -0.094593749 -24.108279310 -40.83256752 2.900251e+00 3.062370e+00
## 1777 -11.009234867 -1.578400560 46.42544044 -5.561964e+00 -2.773078e+00

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## 1778	5.339078036	13.936189399	30.72830383	4.271402e+00	-1.169449e+01
## 1779	-5.427089905	7.568225669	15.18928168	-2.075632e+01	7.342363e+00
## 1780	15.533574312	4.510668062	1.47513478	1.412515e+01	7.180176e+00
## 1781	13.745962069	-21.650630277	14.90101635	-3.379097e-02	1.819212e+00
## 1782	2.634279092	10.136865667	-42.22515159	-1.318766e+01	-1.447452e+00
## 1783	6.738568936	-27.479520738	-28.91421707	6.252214e+00	-3.307149e+00
## 1784	-2.709958052	-9.307833674	-13.93217364	2.310198e+01	7.342029e+00
## 1785	7.039110053	-19.977837373	17.57261193	-4.796651e+00	-7.404261e+00
## 1786	3.666354967	-21.224143034	7.90980833	8.738138e+00	1.376492e+01
## 1787	3.157585834	21.869317382	25.70306232	-1.173238e+01	6.219476e-01
## 1788	-0.242658887	-3.947698073	-9.77470342	8.295848e+00	-9.445748e+00
## 1789	3.876258091	-14.818386000	-14.40368798	1.122949e+00	3.301236e+00
## 1790	-1.352707912	10.000408575	45.02937901	-1.123406e+00	4.202359e+00
## 1791	-2.097545111	-6.634375790	60.14247804	1.285415e+01	1.341940e+00
## 1792	7.596599000	-17.230835161	21.96181466	4.400542e-02	-1.229446e+00
## 1793	-1.570812550	-40.484365608	-52.82257549	-1.484718e+01	-9.871232e+00
## 1794	-8.240882658	11.245124942	4.56478650	-1.095358e+01	1.254560e+00
## 1795	-1.702821971	-4.158190418	-2.61593692	5.444694e+00	1.162950e+01
## 1796	-11.627681411	-23.453508434	-9.43471119	7.695191e+00	7.891756e+00
## 1797	-2.121754926	-18.207840123	2.47694279	1.574255e+01	1.201390e+01
## 1798	-5.700911397	18.065229844	-39.19099802	7.831131e+00	-7.044356e+00
## 1799	8.280532672	-14.899937545	11.03767071	-4.934608e+00	-2.092142e+00
## 1800	8.877933144	-9.290822879	-5.96994995	5.459414e+00	3.482616e+00
## 1801	11.630681211	-11.386234736	-71.81008041	-3.774578e+00	-1.143933e+00
## 1802	4.114829964	12.918407534	-41.90702605	-4.756305e+00	6.804080e+00
## 1803	-8.564033594	4.270946639	-31.23809043	5.915380e+00	-8.199042e+00
## 1804	-2.601188189	-29.677022794	-14.02279604	-5.539894e+00	6.698251e+00
## 1805	-3.985494454	-30.098139801	-6.63962807	1.985938e+01	3.285963e+00
## 1806	6.571948995	-10.972521182	-26.65082575	8.761055e-01	-5.755630e+00
## 1807	5.656229845	9.800350720	-19.41901209	-8.490547e+00	4.995007e+00
## 1808	10.087745735	12.346011418	-4.31608967	3.033646e+00	-5.920197e+00
## 1809	-9.324643176	-20.884355529	-21.60224643	5.488437e+00	-1.178956e+01
## 1810	7.686968236	19.495150335	-37.68604734	-1.768951e+00	-2.268256e+00
## 1811	-6.824855054	4.378636611	27.80205924	-4.952923e+00	-6.009893e+00
## 1812	-6.323593513	14.900651218	19.74659828	9.429027e-02	-8.430564e+00
## 1813	7.029775907	24.607095791	-37.00873104	9.733202e+00	-4.182295e+00
## 1814	-3.070038388	-3.031624925	-38.01048835	-4.631970e+00	-5.761521e+00
## 1815	1.363768218	-38.416292906	-51.62296744	4.273349e+00	9.562546e+00
## 1816	2.230040493	38.917594002	-48.22158243	9.004343e+00	-6.098297e+00
## 1817	-5.652795030	-37.722468565	-83.83305172	9.954981e+00	2.641748e+00
## 1818	-4.973983129	15.710206706	4.02407869	-9.623926e+00	9.096675e+00
## 1819	23.298849022	-8.548931954	-9.73154102	5.322187e+00	3.324869e-01
## 1820	4.759107560	-30.316737183	1.88335000	-3.593642e+00	-3.730724e+00
## 1821	-2.604078900	3.597738469	13.48110157	1.461487e+01	5.236606e+00
## 1822	0.873868124	-27.189573261	-13.78214125	-1.051415e+01	-6.773098e-02
## 1823	0.860802033	-10.079708106	-8.33793713	6.511832e+00	-4.777351e-01
## 1824	0.942105363	34.349468331	-43.60991583	-1.422545e+01	-5.612259e+00
## 1825	3.035367348	-11.577160317	-24.01620501	1.383287e+01	8.738176e+00
## 1826	-4.913685205	-10.213589606	-8.93686423	6.829377e+00	-2.001168e+00
## 1827	14.625011714	21.734751853	-4.82410422	-4.571545e+00	-2.932662e+00
## 1828	0.698775481	3.305183187	1.84464884	-3.434557e+00	2.567927e-01
## 1829	-22.245604517	-6.419850334	-89.52728686	8.489061e-01	-9.602544e+00
## 1830	-14.432743492	-1.912503070	-33.76724048	5.379570e+00	1.243830e+00
## 1831	-18.842740006	-7.844170691	3.04505979	7.973875e+00	2.193980e+00

## 1832	7.669909921	-28.006077807	-38.73443289	-5.075421e-01	-2.879856e+00
## 1833	0.080838770	45.405521479	-11.45392645	-1.028991e+01	1.000868e+00
## 1834	7.734206861	-6.254890678	52.36838791	4.845949e+00	1.196479e+01
## 1835	2.649764349	-0.289860827	24.08919957	5.776504e+00	-6.379849e+00
## 1836	5.716529989	-7.226480250	61.77165111	-1.707475e+00	4.027639e+00
## 1837	4.489134994	-23.794606040	13.18760157	1.289899e+01	3.792989e+00
## 1838	6.133926072	15.894594625	2.72013891	-4.868078e+00	-1.399704e+00
## 1839	-9.017488040	-10.876320404	-37.10966196	1.635959e+00	-6.591580e+00
## 1840	-3.569416485	-22.072679760	-54.17968605	6.244233e+00	-1.718517e-01
## 1841	4.902911981	0.640118152	-10.15647199	5.089580e+00	4.900022e+00
## 1842	16.437279584	-32.757405065	-52.68234576	4.844843e+00	5.898135e+00
## 1843	-0.190001827	4.518616149	65.44358170	-8.307702e+00	-6.690871e+00
## 1844	-0.185827411	-2.942437781	-1.85078531	1.308168e+01	1.283317e+01
## 1845	-9.128860643	-6.422595260	32.35846125	5.833573e+00	1.152855e+01
## 1846	0.094432488	-27.493507537	-21.43451197	1.545108e+01	-3.338780e+00
## 1847	0.280392093	7.015507133	27.10403040	9.126964e+00	6.459126e+00
## 1848	-1.775959430	0.840744464	-7.69717851	-8.058294e+00	4.626799e-01
## 1849	-3.132456318	31.172683149	15.98559714	6.145148e+00	1.000700e+00
## 1850	4.730557278	-16.784640231	-51.13729475	-3.411991e+00	5.251707e+00
## 1851	2.207081747	15.080145579	-21.91582178	4.265420e+00	-2.166446e+00
## 1852	0.874424481	13.645646185	-2.42076050	-4.239937e+00	-4.254016e+00
## 1853	3.417466491	-26.929006887	-41.28490389	-2.308346e+00	-4.547445e+00
## 1854	3.367130999	-24.675240549	-57.93871395	-1.021820e+01	3.121884e+00
## 1855	-0.224655545	-20.492454125	24.84171681	3.584483e+00	3.820886e+00
## 1856	-1.809497935	30.286503124	15.21041555	-1.043801e+01	-2.136717e-01
## 1857	-2.350065572	3.018831449	46.57791070	4.686064e+00	1.276491e-01
## 1858	-2.481219741	-2.586338571	75.74957013	-1.376515e+01	-5.012531e+00
## 1859	9.599313846	8.050875113	-8.75499507	4.984081e-01	-9.265875e-01
## 1860	8.168540820	3.178897757	-5.85867694	1.054376e+01	-6.626423e+00
## 1861	-20.971776471	-14.647588712	31.16333093	4.479532e+00	1.607990e+00
## 1862	7.264922984	7.441029828	12.21707121	-1.286637e+01	1.368453e+01
## 1863	1.330830655	0.823161479	21.18030546	5.619133e+00	-9.872784e+00
## 1864	-14.600718282	-5.102806948	-15.18664104	-3.922764e+00	1.069377e+00
## 1865	-1.786449965	-23.996957274	-62.40311496	-1.741650e+00	-1.174463e+01
## 1866	-6.683954104	-3.940296320	18.95831400	-8.692415e+00	-4.282323e+00
## 1867	-5.933875511	2.645613881	-11.51767516	3.768397e+00	-7.976157e+00
## 1868	-6.790854194	1.437098028	54.11329557	-7.800709e+00	4.311604e+00
## 1869	-2.322217534	-11.576236741	3.16937865	-2.843915e+00	-5.838756e+00
## 1870	7.103015602	-17.981052667	4.64079138	8.230673e+00	-1.781939e+00
## 1871	-2.925073825	3.794879408	-26.93007693	2.236217e+00	1.119787e+01
## 1872	-6.989225577	26.380796118	38.75047949	-4.189084e+00	-5.726313e+00
## 1873	7.793041046	21.016422988	-3.64242840	7.682470e-02	-7.559059e-02
## 1874	-2.965013250	-3.059853961	-37.40900575	1.224889e+01	-6.858260e-01
## 1875	-0.148335242	-46.075501412	-7.03345621	-1.633615e+00	-7.437913e+00
## 1876	1.354522036	-28.345097950	-38.44515495	6.591393e+00	-1.245083e+00
## 1877	-4.501422952	2.190439227	-31.47182663	-1.074194e+01	-5.066595e-02
## 1878	-12.540813260	2.080803383	-18.35344687	-7.293567e+00	-4.606368e+00
## 1879	11.516220468	17.535818018	-22.27477802	3.864368e+00	1.942330e+00
## 1880	-11.649604268	-18.090646548	24.64182713	2.707414e+00	-1.206127e+01
## 1881	0.135019207	-25.543419659	-65.39169573	8.959089e+00	-4.037468e+00
## 1882	3.547296479	7.621535224	-29.75494865	2.613577e+00	8.298767e+00
## 1883	-0.576341062	25.602595701	-2.33192617	1.105651e+01	-1.365646e+01
## 1884	2.534018803	-10.553169931	-27.20237026	-4.893371e+00	-5.554742e+00
## 1885	-0.110905421	-28.154524844	-1.20819946	-1.423546e+01	2.821037e+00

## 1886	3.350207140	-16.356329298	3.65862160	6.477710e+00	-2.329572e+00
## 1887	-1.626701714	5.563112230	7.85262583	1.188040e+01	2.608848e+00
## 1888	-10.650526077	-24.123497224	-17.70116904	9.857140e+00	-4.572491e+00
## 1889	2.400126323	15.931491377	-18.05740050	-9.643754e+00	-1.420114e+00
## 1890	-1.437054692	-20.533353680	-15.39286113	-7.195635e+00	7.292649e+00
## 1891	0.818800843	-3.768411652	-8.64195078	-4.350562e+00	-2.560632e+00
## 1892	-7.995437872	18.748879433	32.13081465	-1.379073e+01	-3.905611e+00
## 1893	-4.324236076	-23.073649316	-43.74765529	-3.123283e+00	2.312941e+00
## 1894	-6.735369909	46.526156445	46.35010092	-1.300103e+01	-6.267203e-01
## 1895	15.612730555	-10.881278409	46.37610856	5.018385e+00	9.238936e+00
## 1896	5.775941220	7.836839320	23.86481931	-1.169391e+01	4.081386e+00
## 1897	7.557984030	-24.245355514	-115.32735624	-1.727422e+01	-4.905646e-01
## 1898	-2.530444140	10.581161380	1.26325743	-2.165955e+00	-4.068560e+00
## 1899	6.612355052	-5.542050319	-22.48852870	-4.264640e+00	1.009344e+00
## 1900	1.894599738	-15.006107719	22.84997042	-2.555309e+00	2.840743e+00
## 1901	9.548853156	10.239791204	37.66625963	6.382095e+00	-4.569022e+00
## 1902	7.817138787	5.046664792	-12.65249401	9.317915e+00	8.913365e+00
## 1903	0.620016992	-9.427438177	7.68858060	-1.672860e+00	-1.939386e+00
## 1904	0.277084106	-1.951641420	35.46630848	-4.918702e+00	-3.028372e+00
## 1905	17.187565785	-20.294035550	-28.43181816	-7.992727e+00	-5.644246e+00
## 1906	-4.103304313	-4.765655977	57.38087746	-4.940741e+00	-4.403571e+00
## 1907	6.314754316	-35.741310022	2.97750232	-5.113329e+00	1.909660e+00
## 1908	12.022801655	-35.299941242	12.70745152	-1.259546e+01	-4.833502e+00
## 1909	-5.544942292	-39.486503945	39.77789364	-8.411995e+00	-7.027201e+00
## 1910	0.822653862	30.587857231	46.75368831	1.216045e+01	3.387979e+00
## 1911	-9.050079589	40.981550319	-21.40888860	3.842192e+00	9.627208e+00
## 1912	-15.607791945	-12.171450592	-5.41042762	-6.470658e+00	4.605935e+00
## 1913	3.197666268	20.347465414	36.41534259	3.544314e+00	-8.140492e-01
## 1914	0.711814096	-12.311342950	15.28346238	-6.107213e+00	-5.293915e-01
## 1915	-5.183381887	-13.355298187	-3.58262293	8.007196e+00	-4.468939e+00
## 1916	-6.720080584	56.481553984	-7.15951286	-4.572642e+00	3.709979e+00
## 1917	-11.753506273	15.316421716	-36.99953789	1.829587e+01	6.420357e+00
## 1918	2.879690484	-65.596700162	-23.27788341	6.386868e+00	5.460468e+00
## 1919	3.487938564	-14.395243039	-36.23918697	-1.234108e+01	-1.001228e+01
## 1920	-18.799341666	4.945097925	38.15058078	1.114386e+01	6.923092e+00
## 1921	10.908903821	-11.276785178	-42.53581990	4.340157e+00	-1.429073e+00
## 1922	1.263436866	-13.415447931	-1.53339232	1.217014e+01	-2.061208e+00
## 1923	-7.496430996	19.239447472	35.29476000	9.190829e-01	-8.897597e-01
## 1924	7.205220558	32.745251221	35.12561073	5.452408e+00	-2.761543e+00
## 1925	-3.122469148	16.337061145	-1.14508195	6.110409e+00	9.748591e+00
## 1926	-2.661831520	9.802912595	3.98845721	-5.683655e+00	7.514959e+00
## 1927	-7.169148729	25.527142609	-23.50456193	1.053661e+01	3.926065e+00
## 1928	10.069850009	-22.818941546	-13.03368732	5.437167e+00	4.485599e+00
## 1929	6.035314575	9.640574280	-54.28783405	6.372550e+00	-4.424851e+00
## 1930	9.984701683	15.771771563	-11.32257025	1.540648e+00	-3.124544e-01
## 1931	0.388414502	21.758818373	-15.29745602	8.259118e+00	-3.476080e-01
## 1932	5.856171823	-3.515762647	26.28980578	-1.073495e+01	4.800080e+00
## 1933	3.962895313	2.124647092	-8.17349298	1.584861e+01	-1.775093e+00
## 1934	2.159406925	-3.909963417	-10.06023303	-1.064973e+01	-2.244775e+00
## 1935	2.321655746	-18.799704219	10.09308775	4.953776e+00	7.149676e+00
## 1936	9.521681630	40.008436473	-14.57486600	3.003810e+00	4.930514e+00
## 1937	2.217391473	-24.173056331	-28.19016085	7.829305e+00	4.782000e+00
## 1938	13.617376517	-17.438852883	-13.49570897	8.220012e+00	-1.253999e+00
## 1939	2.930736097	5.258721715	25.20713657	2.239882e+00	1.978551e+00

## 1940	-7.806703954	-1.362544612	-63.45337904	-6.813085e+00	-3.156965e+00
## 1941	-6.577419031	12.866822893	25.57079965	-7.845357e+00	1.659661e+01
## 1942	-13.332495962	1.164792387	23.08882429	-8.903786e+00	7.612684e+00
## 1943	-0.414644833	0.934102819	14.88747301	5.503809e-01	1.287949e+01
## 1944	-3.700193357	11.413533075	-17.14660618	1.738622e+00	-3.541047e+00
## 1945	9.817511305	-16.081744796	-9.86877957	-9.665867e-01	-3.208144e+00
## 1946	-9.719107162	-21.968305957	-15.44994606	1.030569e+01	5.577418e+00
## 1947	10.652333617	13.657119587	3.89636635	1.183122e+01	1.524313e-01
## 1948	5.435406331	-37.524117640	13.30952927	-1.041552e+01	-1.553614e+00
## 1949	1.025293595	-17.570659542	-54.51408151	-2.740480e+00	7.978665e+00
## 1950	-1.537038986	-2.975696008	-2.56389138	4.173030e+00	-1.632834e+01
## 1951	1.066542452	-5.185344519	-22.30511928	4.649980e+00	-1.326335e+01
## 1952	-8.830269805	-23.913444202	55.67940736	2.289366e+00	-3.601257e+00
## 1953	0.552812614	-13.671045350	-26.71413067	-2.027209e+01	6.814288e+00
## 1954	5.007637823	27.376785999	-36.10292544	1.142346e+01	6.354711e+00
## 1955	-6.620586038	14.121097290	-5.59353187	-4.665291e+00	9.953712e-01
## 1956	11.934194015	4.203892036	-32.62950099	5.420215e+00	3.221112e-01
## 1957	-4.849385331	-11.134377589	24.47430725	4.914831e+00	-2.360274e+00
## 1958	-25.765101195	-41.229435431	-36.80582051	-7.414194e+00	-6.569957e+00
## 1959	-4.057550612	-17.076806981	-88.82734108	2.022418e+00	2.741902e+00
## 1960	23.342885253	-24.309419569	-1.44421502	-6.563392e+00	6.489249e+00
##	x10	x11	x12	x13	x14
## 1	6.187465249	13.251523097	25.665412883	-5.017267e+00	10.503714293
## 2	-11.708858662	-2.352809014	-25.014933628	9.799608e+00	-10.960705245
## 3	1.572647427	-4.170771074	12.078601838	-5.158498e+00	7.302779801
## 4	-2.000255015	-19.286667705	10.995329578	-5.914378e+00	2.511400221
## 5	6.667529618	1.965912840	-28.106348419	-1.258950e+00	5.759940534
## 6	-0.090169512	-6.062488187	3.463613326	1.853504e+00	-7.905793200
## 7	9.865411679	-5.763183356	14.319306520	-2.059251e+00	1.413795467
## 8	-11.406568742	-11.517029513	7.925101204	-6.647336e+00	3.832697444
## 9	1.199181021	-5.186560214	-17.216106732	-8.585211e+00	2.275778768
## 10	0.383421767	-5.498188108	-9.270836002	-1.136440e+01	-9.993348789
## 11	6.692914513	-21.920142363	-9.261053781	-6.186399e+00	3.148640677
## 12	-10.292283092	-14.708362351	-21.687992229	-7.730887e-01	-9.884794521
## 13	8.668788292	21.442012321	-12.453729383	-1.711273e+01	-13.338998027
## 14	-4.669424185	3.375740026	-2.441672266	6.953117e+00	-0.059175271
## 15	2.582185159	7.813386848	0.637262850	-1.044130e+01	-6.589411108
## 16	3.351425188	-3.272850051	14.453866811	-1.016882e+01	8.251734194
## 17	-0.622230926	-9.892129942	26.359258663	5.519366e+00	4.631076272
## 18	-7.213973590	-0.220972928	-14.677222671	8.946537e+00	-9.851618048
## 19	21.643070867	9.464095453	-4.419113243	-1.259186e+01	4.955665285
## 20	0.344547320	4.014111742	-16.562112741	-2.092692e+00	-3.237972182
## 21	10.498205298	4.494385234	11.604086125	8.794554e+00	2.468584570
## 22	4.218991278	-0.373003625	-1.196589821	-9.654094e+00	-5.213493483
## 23	-5.005738139	0.147104061	-20.082344032	1.204641e+00	-1.895579729
## 24	2.970020682	-14.699697929	-5.692380836	6.048066e+00	0.529036806
## 25	-6.084620703	-4.250774018	-16.378839321	1.246526e+01	8.254076349
## 26	4.486683482	1.208558455	-9.979213807	9.230348e+00	-0.556213223
## 27	0.665658713	11.996460838	1.765770959	-3.915445e+00	-8.266179544
## 28	0.293438705	-8.694846248	-7.816839845	2.776697e+00	-5.845421173
## 29	-14.937783050	4.745133241	21.694904511	-4.144309e+00	8.612697251
## 30	12.375180805	6.276382578	12.958259941	-1.504005e+01	-0.785021803
## 31	-3.328322415	-0.236594502	-8.995128586	-1.794452e+00	2.749708255
## 32	-7.041972687	-0.052629707	8.078861061	1.628369e+01	0.339881817

## 33	-9.283004434	-8.830487915	-8.373361340	-4.718004e+00	0.713511312
## 34	-13.490584476	13.226338064	7.313334855	7.702153e+00	3.447691895
## 35	-6.078506070	-4.809392396	-8.539346396	7.479956e-01	8.377871209
## 36	-8.769715455	-1.693275454	-16.163953725	-8.614939e-02	1.956869908
## 37	6.515231204	2.415914294	44.181635226	8.570075e+00	-10.741269198
## 38	-7.558485936	1.501145614	-2.922822317	-1.579993e+01	13.618542591
## 39	-9.222222311	-17.830334022	-7.334027376	1.025720e+01	2.433365272
## 40	-4.586905482	-3.857990440	-29.303146705	3.900026e+00	-4.630339659
## 41	0.225429703	5.121283268	-2.195992774	6.865320e+00	-3.176520584
## 42	10.419844432	5.576406484	-10.672600076	-1.090194e+01	-8.708224230
## 43	1.455292010	-6.948099958	0.370016694	1.508203e+00	-11.725000299
## 44	5.972318127	-0.492633167	-7.056475865	7.736127e+00	20.260802707
## 45	-13.228169384	4.845087718	-3.256676854	-8.425261e+00	2.434926043
## 46	-4.682554767	-2.659220343	-8.503784971	-1.797623e+00	-11.357944898
## 47	-1.757181639	11.919096116	-15.893340344	-6.342918e+00	-1.267123008
## 48	-3.256517191	5.955639086	22.565131766	3.589837e-01	8.436916144
## 49	13.778938624	-22.925211731	0.993760148	3.230346e+00	5.426205058
## 50	1.739569110	-7.913335648	-27.579374424	2.143984e+00	-2.774733607
## 51	1.449019400	2.370509975	-0.637048933	7.294280e+00	10.467831343
## 52	13.246399483	0.229299308	20.860820329	4.676367e+00	2.923586306
## 53	8.283680295	-6.628515917	6.165939577	9.994388e+00	-9.243061890
## 54	-6.889582522	-2.730069672	5.484930845	-8.463574e+00	-7.275660582
## 55	-9.231373971	-10.029342579	15.119576843	4.757259e-01	0.122672985
## 56	3.606821891	-11.278178107	23.876233139	-9.687439e+00	-1.192896646
## 57	3.935926653	-3.500760177	0.703197117	-1.014702e+01	-5.735929713
## 58	-8.168577160	1.134309108	14.928412980	-1.042816e+01	3.293164026
## 59	0.463355427	-1.902279500	15.543944737	-9.082306e+00	-9.106786883
## 60	3.082215788	-5.012302824	-25.279685744	-7.653152e+00	-10.168652782
## 61	1.885869676	9.398427400	14.034382042	-1.031111e+01	-8.747035796
## 62	-9.128951833	-2.681281853	-30.579141033	1.258784e+01	-5.239762846
## 63	-2.038969599	2.267613851	31.758479885	1.820400e+01	3.162912449
## 64	2.609159657	7.248003850	-14.795961498	1.493265e+01	7.265843216
## 65	-5.248779986	18.964904988	0.903000306	-1.470317e+01	-4.501894281
## 66	-8.370088854	2.308713610	5.007351825	-6.759742e+00	-12.696039445
## 67	-0.966781306	1.315229125	2.496290328	9.303626e+00	5.045548621
## 68	-7.029429099	-10.122984118	-8.125384201	1.732055e+00	-2.250706952
## 69	6.976276129	4.388192399	-10.011900413	-5.961875e+00	7.155443577
## 70	-3.109929880	-9.275058425	-31.466649973	6.262590e+00	-6.381540635
## 71	-2.656708900	4.038628252	-4.203187921	1.467893e+00	-0.093213699
## 72	8.071667153	10.721556930	-9.609505764	1.298718e+01	19.621346869
## 73	10.271300886	-9.036226599	9.143027346	3.893923e+00	-11.681653012
## 74	-0.638200098	-9.910112037	39.113947075	-1.526618e+01	-1.155976186
## 75	-7.503104261	0.693458954	14.737219628	8.553732e+00	4.762616043
## 76	18.252839740	5.014382096	7.647582826	1.556277e+01	0.563204606
## 77	2.320340122	4.074520671	1.334803830	1.327893e+01	12.449668349
## 78	-9.012575580	11.041785863	-7.924195675	-4.024389e+00	-0.488921490
## 79	15.831022292	21.490532171	10.830916745	3.140054e+00	-1.945222334
## 80	5.924308472	-10.207186396	-20.252866074	-1.657343e+01	7.246542430
## 81	0.394989847	-7.458963514	-12.720260659	1.124579e+00	7.329611547
## 82	-7.160738728	-9.760772741	-10.353362873	-6.145382e+00	0.244852176
## 83	-6.587691703	-10.324117993	5.350195530	1.141608e+01	-4.457531845
## 84	-2.289344975	-7.508369194	23.922385384	3.158594e+00	2.265359985
## 85	-1.381354132	7.391116433	4.759153082	-3.258105e+00	0.988268512
## 86	-6.032817840	-7.546153857	6.819562174	-1.428268e+00	-10.595088689

## 87	2.384323254	2.712824376	-5.026693547	-1.180171e+01	-1.386256035
## 88	0.995002624	-2.666107394	-24.426548385	-1.208902e+00	-1.976213279
## 89	10.530040401	-1.775268510	-23.119887020	-9.159818e+00	-1.950767439
## 90	-12.995608120	-8.625457097	-5.769361270	-3.823916e+00	-4.435371263
## 91	0.089042453	4.262363439	-11.960335573	-7.447995e+00	-8.113789027
## 92	-7.261650575	3.401568769	20.986984743	-3.167078e+00	-0.823870588
## 93	-0.561266176	-6.815186646	9.807642318	2.100318e+01	-3.405983959
## 94	7.096031713	-6.236529417	-16.993701760	-6.996975e+00	2.226933782
## 95	9.238848587	-2.682977058	31.194257300	2.800248e+01	-3.883819264
## 96	-8.412866178	3.841039996	2.549338854	-1.232068e+01	-12.348792760
## 97	-7.514730971	-6.910617570	7.316750808	4.980404e+00	8.177849512
## 98	-3.423509322	-6.402228754	9.359683068	4.711595e+00	4.496792152
## 99	10.181839395	18.043094505	-25.223122910	-1.626370e+01	-7.472755620
## 100	-8.024081185	2.893311791	-14.779996765	5.979349e+00	-0.787920296
## 101	-5.999038412	-5.598147544	2.280997906	1.195711e+00	11.087361448
## 102	-11.235521207	1.185824329	33.102272875	-8.218240e-01	-1.450202518
## 103	-2.108401936	0.678819859	1.367493135	3.741421e+00	-16.554474663
## 104	-11.795857664	-3.100546575	-17.570088708	4.602920e+00	2.353337596
## 105	-6.151644542	2.883242974	4.779920223	-6.660908e+00	4.124928415
## 106	1.758851366	12.875446660	7.702826380	-3.248399e+00	-7.359664662
## 107	1.055629831	-2.455887389	-22.591287496	3.623089e+00	1.316666701
## 108	4.380681333	-16.290342415	-6.163291668	5.481633e+00	-6.517696386
## 109	0.613833759	11.177789122	-1.537957101	1.102490e+01	0.153732978
## 110	-2.091815947	2.094898265	-15.047360433	-7.554864e-01	-7.610521394
## 111	-0.411715385	12.575347304	16.902057089	-1.393852e+01	20.697166147
## 112	4.485254022	-6.968531693	3.420442146	3.593577e+00	9.821661898
## 113	-17.734982471	-12.202586541	-15.127921765	4.824217e+00	-9.443079627
## 114	-1.049098175	7.555474852	-9.751950367	3.051411e+00	8.718334367
## 115	-5.012624978	6.361293106	21.063435438	-9.510376e-01	-6.914055327
## 116	-7.545679292	-9.288969378	1.938804795	-2.276884e+00	7.874151039
## 117	6.163323788	-1.556504389	-7.466386043	-2.343891e+00	8.050480005
## 118	3.834377960	5.827616818	-3.768240703	5.741612e+00	-8.943508149
## 119	2.283410907	-3.539446113	2.538981252	4.711054e+00	1.318350013
## 120	4.522900042	-9.133580450	43.401251868	1.907553e+00	-14.186813408
## 121	2.459735716	2.705693531	-10.295083181	-1.254129e+00	8.626336741
## 122	-11.268939540	2.972439819	-16.071540008	-2.055006e+01	-0.576732670
## 123	2.264627070	-14.982794601	-2.995656192	-2.037329e+01	8.400749697
## 124	21.442025538	-14.204091967	-13.283002581	-1.449788e+00	-16.050947875
## 125	-10.305574771	-3.588841658	-14.144163113	-4.564065e+00	0.419508441
## 126	-8.526147958	18.129568687	-14.476807690	1.688527e+01	-0.427888611
## 127	0.523251493	7.164837553	-14.214383993	-1.479915e+00	-8.808222273
## 128	-9.707288382	3.001655297	2.509968047	9.957597e-01	-3.138115746
## 129	7.684158520	-4.117299522	15.988844220	2.029559e+01	0.406126506
## 130	3.656040705	-7.943514869	-25.187028540	-2.781730e+00	-6.341393555
## 131	3.742718530	-2.267061659	10.296056914	1.415141e+00	-6.051596155
## 132	-4.182297039	-4.957999433	-16.262933600	-6.636018e-01	-11.605932131
## 133	10.817303664	2.098636650	13.000332560	9.608351e+00	-16.069163529
## 134	1.106548487	0.462598285	-20.372843988	-2.010815e+01	8.272151472
## 135	0.640428492	-10.977018481	1.020835737	-4.935830e+00	5.886666837
## 136	-3.060813059	-6.936855702	9.156849648	-1.265600e+01	-3.505828474
## 137	10.286466527	4.897756033	0.759066036	1.329591e+01	7.603633473
## 138	-3.610931839	-9.493535762	9.049210494	6.861867e+00	-3.875777256
## 139	-4.496910095	-7.533121857	10.567189215	-6.550368e+00	5.021535388
## 140	5.288273108	-2.445306591	-10.721582992	5.547290e+00	-6.032796755

## 141	-2.781039624	3.841424543	20.152602741	-6.839672e+00	2.262796288
## 142	-0.561270123	-8.412338189	-16.965273104	1.226455e+01	-3.041472077
## 143	-4.312102553	-3.140517445	2.216334873	-2.092378e+01	-0.682990292
## 144	-3.580113953	-14.462927335	24.829059389	-8.640009e-02	-0.872349272
## 145	2.226461578	7.896117332	8.634485994	-1.207545e+00	-1.296063700
## 146	-9.769081493	-4.747349558	-25.166730230	1.231359e+01	5.175884316
## 147	-7.628283851	9.719887507	-14.630508158	-4.196378e+00	5.544839390
## 148	12.737116366	6.090397462	-20.357507788	1.105328e+01	-10.109713029
## 149	-8.442305797	-2.123585953	5.872639684	1.819205e+00	-1.297253879
## 150	-4.989163763	12.459396128	-14.032645261	-1.678082e+01	6.276066601
## 151	-13.820888368	-0.714792308	-9.896175847	2.741781e+00	-4.309792955
## 152	-0.130343937	-0.070219353	1.085640425	-1.130498e+00	-3.981937864
## 153	-6.944080611	2.587280297	-23.169388667	-1.328948e+00	-3.021904820
## 154	-8.368956427	6.210241475	3.333942863	1.257724e+01	1.073663721
## 155	-0.348540625	2.031037705	7.564599330	-8.656685e+00	-5.580784635
## 156	-13.875961434	-2.423030348	-0.874601547	-1.282735e+01	-11.259646745
## 157	-1.972724607	6.276723757	10.929293280	8.676732e+00	9.502015112
## 158	-11.820595047	0.916782263	-0.802047374	-7.659943e+00	-2.997288449
## 159	9.881560260	-10.542290687	-8.792597456	-3.825114e+00	-3.588501113
## 160	-1.988046524	-12.353747369	-35.000099701	-5.090470e+00	12.131237761
## 161	-8.037924787	12.229885293	-21.233556818	-2.638416e-01	5.875102394
## 162	0.676262857	6.955445434	-8.014428315	-8.145078e+00	-0.097641909
## 163	6.831162817	-3.224212738	4.005146446	-5.814185e+00	-7.879712133
## 164	-0.456588333	6.425358249	-23.335171338	1.704678e+01	9.499463115
## 165	6.076694213	17.676352554	-32.147112306	-9.587186e+00	4.498051348
## 166	7.999859450	11.778484797	-23.244227756	4.510757e-01	-0.805184736
## 167	-8.151431794	8.379031797	8.201543405	4.155930e+00	-3.755607102
## 168	-0.222963432	5.566827104	22.828969661	1.925983e+00	4.527641583
## 169	4.647676490	5.243813395	6.830369036	-6.905983e-02	2.447333554
## 170	-14.383358975	12.834369170	-4.849755365	-9.445053e+00	-2.450760702
## 171	-0.436083266	13.079663613	-6.333196650	4.675307e+00	12.575187411
## 172	-1.150505444	-0.024627377	-3.301013295	-1.006586e+01	-18.058765533
## 173	-4.604132144	-2.326497771	-13.542552483	-2.987953e+00	-6.473347744
## 174	-14.230814746	-6.893882922	2.436351756	7.976370e+00	-0.703533246
## 175	-7.232682495	-4.179598416	-7.123011667	7.087279e+00	-5.487513308
## 176	3.396830836	6.763397083	-12.243316325	-5.279219e+00	6.417442721
## 177	0.920375336	-8.081253488	15.848813611	-1.463821e+00	2.893016115
## 178	3.785611879	-8.576373609	24.500720063	-4.602299e+00	2.978534527
## 179	-10.443007332	-5.229306975	9.666750822	-5.505211e+00	-3.686558568
## 180	-4.746423040	-2.423789826	4.324920549	-3.397202e+00	-2.902428502
## 181	-3.238809207	14.091994929	-3.459537304	-2.333762e+01	-5.518333895
## 182	9.854574260	0.859825386	18.558628671	7.123149e+00	-2.387237376
## 183	-11.621276062	4.174090777	20.487880198	-7.882990e+00	-7.171421233
## 184	10.706812825	0.324841130	-15.909249535	9.304951e+00	-1.893301601
## 185	0.948744635	0.911990068	-0.586959447	4.101508e-01	-1.549762217
## 186	4.118607836	-5.119505196	10.769276392	-9.152831e+00	3.373331256
## 187	-0.570089966	-9.133029460	-12.614882561	1.256271e+01	-5.481855770
## 188	-10.775955684	8.610957833	-20.253853082	2.317094e-01	0.295179469
## 189	0.996022709	-1.669854615	-15.894934265	-7.334578e+00	-4.971627314
## 190	6.927351668	-4.407219444	-3.066545449	3.237673e+00	4.991913985
## 191	21.276949025	-8.553561655	5.894931629	-1.679011e+01	2.509370079
## 192	-9.579188067	7.293594298	-2.048753783	2.614304e+00	4.801422419
## 193	4.617660965	-3.290785320	10.241918154	-1.886461e+00	-3.867681771
## 194	-3.944840170	-1.396618461	4.674928314	5.880187e+00	8.586448111

## 195	1.446287767	-13.904250124	11.748813516	-1.015391e+00	-2.777149374
## 196	-8.959074737	5.770830165	-9.195100750	3.495180e+00	8.595687427
## 197	0.640541669	0.149623187	1.649670790	1.013018e+01	3.122482556
## 198	0.234202757	7.141870255	-10.642969265	-7.310917e+00	-5.595777188
## 199	6.322257654	-5.079211023	-7.209147419	-1.109723e+01	1.597333074
## 200	13.605955132	8.816406321	-16.592379486	6.137961e+00	-2.197047835
## 201	1.840068188	-3.361201430	-6.064598679	5.387157e+00	1.729811279
## 202	4.185978198	-5.454392805	2.736979807	-8.371220e+00	5.116311222
## 203	-1.847728593	-14.158253449	3.082597591	-1.309491e+00	-2.945532187
## 204	-3.732924796	1.505522826	-19.448190993	4.887982e+00	5.090455346
## 205	11.690104331	0.135370036	-18.700838030	-1.354381e+01	-8.417425064
## 206	-10.574535613	-6.643733876	14.142765849	2.574825e+00	-1.703689077
## 207	-16.114646182	3.108286452	-6.088779718	-1.353426e+01	2.383754476
## 208	-16.438984789	-11.559577400	-10.260326290	1.011796e+01	3.960389267
## 209	-9.776196193	-5.367171185	-2.738599605	1.809807e+01	-3.049078813
## 210	5.139050542	6.831252901	10.033612350	2.256230e+00	-3.098806987
## 211	-12.435350339	8.704166695	-18.918753373	1.023817e+00	6.803698321
## 212	-2.070271445	14.259445290	-24.872288031	-1.153484e+01	3.381054622
## 213	3.990027129	15.160373419	-4.232574157	-1.657783e+01	0.401751603
## 214	3.149102232	4.041704126	-10.832663945	1.039093e+01	-4.771453892
## 215	15.131847859	8.550170096	-0.576586695	-1.962172e+00	-12.393014943
## 216	11.516621447	4.046542829	15.113770263	4.382482e+00	-2.661596788
## 217	-16.412449536	9.876338235	-2.119281049	-9.470148e+00	1.472845413
## 218	7.442310557	12.618097392	7.341099003	-9.632214e+00	-10.071153919
## 219	-9.177103842	-0.414345111	-5.380093165	1.071452e+01	-10.147557581
## 220	3.996077086	-4.330999478	6.151139725	-9.229225e+00	10.706522875
## 221	-3.628113884	5.236413082	-3.971938394	7.656312e+00	-2.275142855
## 222	-0.675625738	-6.853934978	5.220780805	-6.155969e+00	-0.080960629
## 223	-16.039118441	0.223687125	-5.698719293	-3.752405e+00	13.752451889
## 224	-1.399798332	9.223411018	13.130488380	8.626056e+00	4.303883815
## 225	4.943541228	-0.742119322	7.871957848	1.985261e+00	9.227341349
## 226	4.405933478	13.438176160	-9.544467112	4.167533e+00	-2.458231976
## 227	-13.001809379	-2.142872325	-0.830273776	2.347102e+01	1.673474737
## 228	-7.470137609	-8.422663834	-1.938419635	7.390329e-01	4.240975873
## 229	14.028459002	9.010995703	-23.441380545	-1.489779e+01	13.183275313
## 230	5.736704213	-2.338417749	0.265659420	-1.311330e+01	0.973203569
## 231	10.151588675	-8.800281498	11.628175713	6.872512e+00	0.397714915
## 232	18.680580290	-7.226487679	-3.226832082	1.222079e+01	-7.423592701
## 233	3.306364123	10.903164886	-9.754347457	-6.314893e+00	-7.557792734
## 234	6.098431535	7.165014862	-10.807936715	-8.222519e+00	8.112760672
## 235	-1.692024498	-0.139561304	-20.825462334	1.025770e+01	-4.049892523
## 236	12.281744946	10.812545168	31.295448474	1.201555e+01	12.431145263
## 237	4.089871506	7.638611370	-19.458913278	-1.172184e+01	-7.175412424
## 238	-8.723163549	8.673055275	26.244531692	-3.856711e+00	7.330442873
## 239	-0.157474654	0.412836309	3.522012288	2.257270e+00	-3.075555910
## 240	-10.332755810	1.309857236	-20.421993781	-5.980372e+00	9.241668320
## 241	5.613490416	2.807475987	-9.194277478	-1.192498e+01	-4.534816013
## 242	1.116060112	-1.872964272	1.987350033	-2.660238e+00	-1.499496498
## 243	16.540629074	-4.965012356	-7.156583782	2.131555e+00	0.767916725
## 244	5.493290307	12.416991719	5.943298909	-6.659095e+00	-2.626955039
## 245	-4.449341733	-9.088839959	28.421756506	6.603389e+00	11.451573321
## 246	0.890348642	-1.831899399	-2.403265379	-4.927879e+00	9.120177217
## 247	7.047778537	-5.851221494	-4.326445302	-9.122230e+00	-11.374456189
## 248	18.086272327	0.774711823	-25.178857097	-1.876615e+00	-4.041094129

## 249	-8.619739774	4.794056029	21.656641281	1.896542e+00	-2.121125838
## 250	-2.979799669	18.179042176	18.816758663	-3.230896e+00	-0.520154219
## 251	-4.247911550	7.152369688	-12.723510787	2.451622e+00	9.435558272
## 252	-3.278419993	-2.221571553	9.555341417	-7.832119e+00	6.278955377
## 253	-0.715657296	-2.923000294	-12.690441472	1.108463e+01	8.655280651
## 254	0.198308462	1.172355368	6.758315384	-1.282512e+01	-9.034304613
## 255	-6.967214397	7.235843453	-9.308555506	-1.339596e+01	7.595638259
## 256	-0.482798902	-0.669704829	5.622602263	1.469331e+01	-6.026819309
## 257	-2.514437496	13.459279581	2.014739839	1.333712e+01	-5.457971508
## 258	17.342681626	19.499199405	22.768467671	1.539037e+01	-13.523831077
## 259	9.684164514	-0.506863274	-16.332131532	-7.228602e+00	-5.868633999
## 260	6.800374301	5.422915103	-6.153785409	-4.899926e+00	-10.670645127
## 261	6.173797794	-12.571531419	30.450481864	5.740257e-01	-0.808857955
## 262	-7.024931609	-0.900563027	15.803661900	-2.005274e+01	-1.666239961
## 263	2.333720262	-11.929720944	-0.736127051	-4.805465e+00	6.557499344
## 264	0.605904186	-5.661450260	-11.884728670	4.661989e+00	-6.434991342
## 265	4.020976135	-3.026929633	-2.842595021	-1.069512e+01	-3.408572541
## 266	11.066921307	1.404700779	0.705208088	7.372225e+00	0.122680165
## 267	-1.949250656	6.306981492	-29.169152663	-8.298383e+00	-1.390098944
## 268	-0.552814128	-7.334006182	-12.147134820	6.855464e+00	6.142412505
## 269	1.097811948	5.211575584	27.466876075	2.124136e+01	1.550081955
## 270	-3.697405517	5.318863456	12.267992821	-7.590382e+00	1.665671769
## 271	-3.353211316	-3.412063754	7.815948661	-4.437979e-01	9.711822158
## 272	-6.256460268	-7.721800781	-12.171785831	-9.730149e+00	6.382094365
## 273	0.869381512	3.237131066	-31.721164294	-7.627637e+00	8.193005174
## 274	-1.420214654	4.789469325	6.423136114	-1.865846e+00	1.326651386
## 275	-5.557470613	2.093247059	8.894979798	1.847716e-01	2.620510356
## 276	3.718909382	14.377221401	-9.122885400	-8.755002e+00	0.544528092
## 277	-10.869991555	4.039602984	-22.337807720	1.005746e+01	-1.979231027
## 278	-0.472553939	8.493093888	-2.010188225	9.856164e-01	10.406595587
## 279	7.483244691	-16.115511429	9.736201346	-1.899170e+00	1.935775574
## 280	-6.285630833	-18.460602016	-0.744275011	6.184208e+00	14.414279319
## 281	1.981313986	-0.435921912	8.206388685	2.090608e+00	7.686671218
## 282	-2.314796258	-22.772804053	20.140620530	-2.930395e+00	-1.152166468
## 283	4.669230700	6.068430591	-19.750496827	-3.478059e+00	-3.000983564
## 284	-5.896363802	-2.530677512	-12.284228841	3.274159e+00	-12.526716071
## 285	0.413541533	-3.378225747	-3.694602482	-1.076313e+00	-1.708378965
## 286	6.133228897	-6.375649955	-19.851670763	-3.946357e+00	10.037630837
## 287	10.693686173	-18.959641881	-7.406838534	-4.625158e+00	1.314387981
## 288	-7.014858344	-5.576721028	-3.974821012	-6.406757e+00	6.718996318
## 289	7.150668817	7.992278005	5.950239015	-2.340824e+00	7.218882323
## 290	-11.225647099	-16.889383039	-23.580660780	1.076429e+01	-0.063138321
## 291	-7.586047465	5.758334259	13.921444750	9.039372e+00	0.882268020
## 292	11.298857691	4.435894894	-7.317165969	7.850675e-02	-14.786666465
## 293	-14.545940566	2.821407812	-18.285940294	-1.068402e+01	0.765947296
## 294	-1.096314009	-8.349931381	-0.209578320	1.050136e+01	-1.164765852
## 295	-5.305310492	-0.514475560	-6.935094679	1.401387e+01	-1.163973779
## 296	-9.467490158	-0.936247246	3.601005399	-2.363704e+01	-2.841073638
## 297	0.795957201	4.838045989	4.158045382	-1.192519e+01	-2.204354100
## 298	4.735384228	4.684784545	24.745380721	-2.966549e-01	1.837165436
## 299	0.485220747	-4.185335880	-21.796494422	-7.015382e+00	-3.703489880
## 300	-3.580647356	-13.267804023	-35.509299137	6.066208e+00	-18.282279216
## 301	-6.854858322	3.612574185	-2.494944479	6.054580e+00	3.620423209
## 302	1.676833979	6.380811367	-5.671831205	1.532071e+01	-5.625781663

## 303	3.293087684	-8.217175892	-19.332810918	-6.053384e+00	-2.177827615
## 304	-10.607495873	-7.710252602	6.632168625	-1.941274e+01	5.158030675
## 305	6.775737566	4.920261141	8.090684395	2.817534e+00	-11.095001285
## 306	-7.094419925	8.233190191	-20.051945940	4.797368e+00	4.629253387
## 307	9.532400242	5.348288492	7.278070204	8.470099e+00	-2.650358874
## 308	8.011248094	-9.744166706	-8.296382976	-4.734935e+00	-5.565555376
## 309	5.010104071	-8.651172176	-1.260789087	-2.451094e+00	2.409294994
## 310	-6.820857987	15.577400363	-20.247602424	6.772654e+00	3.772709652
## 311	2.416262092	17.073691058	-7.521828896	-4.176029e+00	3.002325741
## 312	10.798116517	-7.662574408	-11.525559732	2.932642e+00	4.390924017
## 313	-2.388717784	0.445391566	-17.657784911	-1.742680e+01	-0.474737227
## 314	2.731116983	14.916171813	4.478393795	1.268388e+00	2.155993097
## 315	-8.589604649	-4.772183370	3.514868972	1.950432e+00	-0.533186879
## 316	0.220620042	-9.655476365	-10.572364067	5.788372e+00	-7.553852925
## 317	-4.243550044	-8.993239099	-18.449331218	-7.042224e+00	-1.731666342
## 318	-8.862809267	8.894082847	-15.224444476	8.561375e+00	6.234720820
## 319	1.753890545	1.322122462	-0.020083167	5.141446e+00	-1.481432111
## 320	8.865769965	-0.048107561	8.346098022	1.372022e+00	-10.915408315
## 321	0.891823884	-10.280835517	-10.410060568	-1.951484e+00	-0.295130084
## 322	-13.651087157	-13.886855959	-10.915064239	-1.700606e+01	-9.781713554
## 323	7.718361492	0.858664964	18.164867077	-1.459060e+00	0.732185650
## 324	-4.526513500	11.881066390	-13.851247212	-1.557367e+00	-2.460815412
## 325	4.318522135	2.921882552	-14.334101668	1.500549e+00	-16.676612654
## 326	-9.267779230	4.920104626	-14.978562323	1.544787e+01	3.119961431
## 327	8.032145978	4.820659469	-12.207404968	-1.037887e+01	9.845009726
## 328	10.024755342	-2.012736458	-5.614963481	1.320469e+01	3.327724391
## 329	-8.775157661	-1.786732531	-6.746161679	7.928057e+00	8.218908108
## 330	5.711253048	-11.712212238	-1.655991265	3.639796e-01	1.568117816
## 331	0.324033143	7.131600287	8.722310959	1.196354e+01	-3.793465894
## 332	0.768495091	-3.861992072	10.241421089	8.745958e+00	-5.135012950
## 333	4.127616549	1.348887756	-20.372326528	1.004433e+01	-1.348742087
## 334	-5.862130348	5.272805950	-7.156951370	1.633215e+01	0.828671238
## 335	5.514381227	-6.310084810	-4.277510214	3.100864e-01	2.206085516
## 336	11.262429098	9.201935111	-20.987637275	-9.498242e+00	6.364701547
## 337	-5.253849422	0.753413521	6.625908502	-3.082266e+00	-2.216446007
## 338	-6.190411560	9.212069511	-3.879833160	-5.175997e+00	2.022191703
## 339	-1.897522177	-15.602221878	0.776292557	-9.312717e+00	-0.848109423
## 340	-0.865592038	-2.800356920	-12.804463925	-5.301963e+00	2.792625278
## 341	-1.061599186	2.345643127	-0.841310694	1.915832e+01	2.661669694
## 342	-1.269258134	6.306255228	-2.760740867	2.384836e+00	-3.005215422
## 343	-3.820060497	0.805419717	5.208682167	4.512968e+00	-2.243123056
## 344	2.145078447	-6.680165405	-19.037821891	-5.884174e+00	0.735438937
## 345	13.249472856	-1.526389649	-0.198919115	-1.528437e+00	-5.193808870
## 346	2.049780800	-4.495000869	-34.379508156	1.753453e+01	5.298008321
## 347	3.884613091	0.832818236	9.490405544	9.795844e+00	1.408260426
## 348	-6.558663606	-1.473033535	-10.604923153	1.024431e+01	-2.671427908
## 349	4.887357240	5.194611139	11.281195607	-1.371752e+00	-4.755333202
## 350	7.789592096	-9.632367782	15.394814503	-2.451573e-01	-7.477207619
## 351	-1.283267538	-3.106777589	6.942223833	1.235156e+01	12.878410253
## 352	1.865156832	-4.625409045	13.285498744	6.986396e+00	-3.654316277
## 353	-4.655210817	7.649128141	15.960012304	-1.028546e+01	-4.188715247
## 354	-7.370951334	-7.686003926	2.095369207	9.040058e-01	-6.122814632
## 355	-0.735422875	16.036219577	18.771623716	1.895956e-01	7.926922036
## 356	-0.175209815	7.871299656	34.564535545	-1.102040e+01	0.179948184

## 357	0.157418771	-5.239082574	-2.111745900	-2.130373e-01	2.852916436
## 358	-3.317948682	4.007610791	10.111215797	-1.355119e-01	5.848258893
## 359	-5.968345544	-10.286302909	15.519049852	5.301162e+00	-5.898822343
## 360	-1.245610512	-12.611205330	-8.115938398	1.105617e+01	2.032751364
## 361	3.656389520	5.845473722	20.273648584	6.773808e+00	7.415262808
## 362	1.581766781	1.784111684	8.806239350	-6.804602e-01	1.631576376
## 363	7.996009830	-2.329907674	-6.046094703	-1.307586e+00	-3.756162087
## 364	-7.813101649	0.499141893	8.909465640	9.577905e+00	5.330400734
## 365	4.654080845	8.374579863	23.504884894	1.004594e+01	13.077664116
## 366	-11.174246154	17.235833365	0.449557353	-6.723869e+00	-6.833000796
## 367	-3.446163026	-1.656985216	20.577119177	-9.391572e+00	-2.553640212
## 368	-2.628855278	8.306465419	22.458452424	1.074451e+01	1.615326059
## 369	7.086098553	0.890314837	-1.231610276	1.786871e+00	4.362157971
## 370	-5.216780047	11.913738422	17.775546440	-8.153725e+00	3.514364400
## 371	4.566978474	-0.640173643	9.428648194	-2.995553e-01	5.178332714
## 372	-0.360117350	0.052231694	5.466193559	7.901043e+00	-0.493385398
## 373	-2.956394097	2.437769232	-4.966436845	-6.852147e+00	-3.289849766
## 374	4.612511191	10.107427274	-27.765122134	2.284582e+00	5.439487201
## 375	4.514454196	-2.030314455	3.301587141	-1.015600e+00	3.190310612
## 376	-4.506013097	-11.745858700	11.885282331	1.910120e+01	-2.643243097
## 377	-2.020549236	-1.302696741	18.374474038	4.773195e-02	-4.669416057
## 378	-12.530257610	-16.016039359	-22.862482928	3.842105e+00	-2.580594843
## 379	9.341927856	9.563689828	15.134454346	1.939072e+01	-2.665898698
## 380	-7.579103614	11.040683731	-10.058319696	-1.079765e+01	5.809005884
## 381	-0.843268018	-4.051624157	3.561434301	6.279473e-01	-1.033345839
## 382	6.422479991	10.714781791	13.644144475	-4.856008e+00	-5.020055857
## 383	-0.414965862	-13.755011966	-5.957827831	-7.504349e+00	9.736980694
## 384	6.811731877	-3.256153491	-13.145624019	4.956946e+00	6.492127911
## 385	1.079040298	8.453465250	-5.244154880	1.018841e+01	-2.452326566
## 386	-5.948116875	8.202878038	8.137611634	-7.805807e+00	-5.108823297
## 387	-0.851986380	1.929201720	-34.532545487	-9.944360e+00	-2.023834780
## 388	8.468915798	4.941926783	7.038156390	9.389372e+00	-3.401083371
## 389	-9.839712640	0.247031162	-4.572076138	1.042374e+01	-1.581084906
## 390	14.648731296	-1.450670048	-19.508569028	9.365643e+00	-7.816650676
## 391	-4.183963846	18.424133623	-16.049463046	5.949231e+00	-3.780235665
## 392	-3.011747812	-2.714361939	-13.728260955	8.901546e+00	8.863709200
## 393	5.823795071	0.779890065	-3.910399821	-7.851745e+00	2.921832230
## 394	4.639984418	-4.712778681	0.886330098	-4.530228e+00	-7.267705074
## 395	4.728856740	-17.499567462	13.835602949	-3.436983e-01	6.776796967
## 396	1.168734720	-11.566877999	-9.401804755	2.692226e+00	0.513283956
## 397	-6.326527318	-9.087849510	-14.011907839	3.105592e+00	-9.051176343
## 398	-3.180547850	4.499059989	10.196632286	1.217049e+01	-6.519056622
## 399	8.906598594	4.984967463	11.226873183	-9.843010e+00	-5.101430802
## 400	-5.942597231	-14.198276606	-4.852584805	6.346860e+00	9.361846034
## 401	-0.473158577	7.606218313	-11.198892595	5.563603e-01	0.560094560
## 402	-3.511335907	3.941462928	-0.180019670	-1.171045e+00	5.954245582
## 403	-1.475578057	-2.705723038	36.816940098	2.535127e-01	-1.750191037
## 404	-4.704662680	-2.922937368	2.799925656	3.904737e+00	-4.375462029
## 405	0.217460454	-7.777402558	-16.747890544	-8.129106e+00	6.714949219
## 406	10.518883420	-8.245887709	19.061864604	7.678081e+00	-11.473003217
## 407	-6.784844504	-21.206392328	9.678467475	-9.671905e+00	1.373998198
## 408	5.430288394	-5.596274146	-15.350775203	-3.931731e+00	-3.868206240
## 409	2.430475624	-5.904435213	6.091784044	1.105696e+01	4.337175856
## 410	14.245401350	1.054217907	2.725391703	-1.060942e+01	9.188271326

## 411	-14.823582122	-7.547767117	-3.226027996	1.887466e+01	3.667182422
## 412	4.103688009	-10.948128354	-12.701316960	-1.638069e+01	-3.781209978
## 413	-0.679240241	1.060783143	-1.960664967	-1.277290e+01	-2.803145209
## 414	3.545041889	-16.184637634	-1.373807686	1.815543e+00	0.168948839
## 415	-8.668081493	-6.548418609	13.914013438	1.072951e+01	1.723001115
## 416	-20.801234547	15.751662486	34.559333275	-2.871857e+00	-5.712090150
## 417	-1.084625917	-9.350036555	28.637282843	8.791373e+00	2.710513591
## 418	-1.753230281	6.235915076	-5.589792747	1.318536e+01	1.962725965
## 419	2.673687887	-6.390053232	2.303235799	1.380603e+00	-1.028205385
## 420	-4.433539306	-3.514388902	-20.869212374	-1.223941e+00	-8.582270561
## 421	9.283084468	-7.373612966	5.047648596	1.613169e+01	0.715461772
## 422	8.670814100	2.274906935	-16.907073395	1.407742e+00	11.815077471
## 423	-4.093415455	1.460065529	15.865593213	6.137230e+00	-8.010964214
## 424	5.404856802	1.439222757	6.805509111	-3.269146e+00	10.704316226
## 425	-4.162868905	1.750676930	-25.961287931	1.282574e+01	-8.304177225
## 426	2.340105071	14.368016800	-15.724181337	1.321705e+01	12.330198091
## 427	0.646144504	-11.371998374	3.650531685	-2.572502e+00	5.554307639
## 428	-1.360276025	4.626311444	-14.924061917	5.320815e+00	0.950701988
## 429	-7.229331066	0.375909266	-4.144901489	1.213886e+01	-2.789311359
## 430	7.359255594	5.788977584	-10.901305983	-6.758760e+00	6.010456423
## 431	-3.901981032	-3.894083895	-22.217215343	-1.637984e+00	2.078921890
## 432	2.280419609	4.040254327	-12.243634747	-1.370960e+01	12.102331345
## 433	-3.923231454	-3.782520565	8.108659440	5.333453e-01	-4.365590894
## 434	6.801691635	13.819296037	0.332840677	4.020195e+00	8.059747669
## 435	-10.612095844	1.455891481	-15.388964700	1.784847e+01	1.839347701
## 436	10.770251725	-6.328977097	-10.924182700	-9.108408e+00	1.956281622
## 437	6.956853253	3.761799235	-2.786291706	-5.940175e+00	-4.999763521
## 438	-3.560163623	-12.862660728	-14.819916526	-6.114208e+00	-11.593088487
## 439	11.084469731	8.316729836	-11.452794281	-7.231261e+00	7.055096836
## 440	-0.913463562	-1.603613790	11.877447887	-8.585895e+00	2.175479665
## 441	0.704817527	-9.327483261	4.501443209	2.349623e+01	-5.146255085
## 442	14.386635277	1.411251173	4.628235502	-1.133033e+01	-2.477558505
## 443	-9.540803155	1.978423381	-11.826314989	-2.303270e+01	3.889750958
## 444	-7.454663537	1.372657418	-5.296268462	-9.131132e-01	-0.641256343
## 445	-5.211987041	4.945777278	-4.592938793	7.059065e+00	-20.540112981
## 446	7.141320244	-5.588600615	1.886676313	6.290605e+00	-7.111055587
## 447	2.299471980	12.163301872	1.492249624	-4.193878e+00	6.130663543
## 448	0.710514351	8.575002498	-3.769513511	-1.055775e+01	1.316678067
## 449	-0.091110235	-2.522332716	-16.896320311	7.220228e-01	2.194237015
## 450	-6.731945058	0.540982979	-6.157557657	1.439965e+01	-5.690258229
## 451	3.799939791	-6.514673157	-31.338539620	1.151536e-01	10.522459186
## 452	-2.584723845	-2.375095223	1.838768491	-6.420196e+00	-2.124350567
## 453	8.222918369	-13.494889081	8.880601091	3.653331e-01	6.809748973
## 454	-12.578898285	-1.261070292	7.217578262	1.662419e+01	-8.518280996
## 455	7.861220674	4.162428625	-13.591896504	-1.365598e+00	3.773174285
## 456	-10.376387658	5.753386077	3.239763743	-1.138939e+01	-8.020524727
## 457	-16.860584967	-4.739756102	-7.608142912	-8.433565e+00	-0.470071306
## 458	-1.629884344	-12.247065369	2.390994592	-1.430694e+01	-1.139695256
## 459	-11.616206873	20.522522777	-13.560279657	-7.696863e+00	9.504361207
## 460	-4.562217740	2.798030610	18.050911409	3.410504e+00	3.196847582
## 461	2.580514623	-9.372095965	-2.700504207	1.908913e+00	5.625556187
## 462	8.831582295	7.018845894	0.616077955	-7.325856e+00	-3.118619634
## 463	-3.077897852	-11.534775810	-6.330321703	1.837239e+01	-5.478964856
## 464	-8.190494739	-18.667669025	-14.296732874	2.631810e+00	-5.513364772

## 465	-10.531396703	-3.771855414	13.551377424	-7.743768e+00	8.206857456
## 466	-1.511201419	2.935337464	-18.672845278	5.267298e-01	-8.461831869
## 467	6.521005829	10.591458082	-1.235266284	5.303263e-01	4.947387307
## 468	14.036572862	-6.779885453	22.180974059	1.251625e-01	-7.797055232
## 469	-1.855897845	-5.906567272	-33.449062946	1.445133e+00	-2.618224943
## 470	0.130773105	7.959715886	-28.737680085	-1.017878e+01	3.951680057
## 471	-3.548316103	-11.031477596	15.529098482	1.383707e+01	0.788759729
## 472	-5.876697705	-3.583093733	22.210015606	-2.970051e+01	7.585802605
## 473	-0.744202055	-3.393960972	-22.627424109	1.134939e+01	14.128539759
## 474	-9.358336135	-13.569155583	-27.475580762	3.967295e+00	1.861785966
## 475	6.136149538	2.303282202	-13.830073379	-3.785564e+00	1.186800058
## 476	7.199390305	-1.025426478	14.413555679	-8.857911e-01	7.640202952
## 477	0.308678539	-6.441320297	-1.106525537	-3.825459e+00	11.806818222
## 478	-7.093764091	1.581109363	11.510752461	-1.525049e+01	2.598217237
## 479	-2.020434091	-6.196489720	-0.946084181	-1.266358e+01	-6.336150108
## 480	-0.843003494	-1.077543967	-1.088843795	-6.645313e+00	4.966784220
## 481	0.673938612	12.017974165	4.945994257	1.035097e+01	4.416250524
## 482	0.822892148	6.734916423	-3.052849050	7.597548e+00	-13.437289187
## 483	1.458311500	-7.528439187	-2.271755800	-4.821646e+00	-0.842463960
## 484	-9.971609708	1.305506938	-5.478163579	6.236554e+00	3.198222439
## 485	-3.258852699	17.325225423	-2.979562473	-4.018102e+00	1.829994581
## 486	-7.231408087	9.046184030	10.371569388	-1.486489e+01	9.888030681
## 487	3.428416803	0.870219688	6.729428011	3.621715e+00	-3.952913323
## 488	5.552259618	4.583754599	-6.259872456	-1.325130e+01	-2.361451673
## 489	-3.178187919	9.589779470	-15.130865809	-1.565655e+00	-2.300498129
## 490	6.592731029	2.514058483	32.167714459	-1.669880e+00	-4.232164856
## 491	-3.724159075	-11.442367376	-25.459705925	2.334161e+00	6.480496085
## 492	3.569172243	23.143690488	-17.911889708	-5.013025e+00	8.746389309
## 493	6.276584451	-10.930974671	4.343192667	8.237074e+00	-3.557616221
## 494	3.419139847	-8.379900171	6.441685268	-9.757614e+00	11.364073786
## 495	-0.047227197	6.837089094	-0.238204621	6.601689e+00	-2.335786425
## 496	12.919581535	-0.064719370	7.817224379	8.098325e+00	-8.920969383
## 497	-7.491098208	-1.433229067	7.708637970	2.150227e-01	6.524790713
## 498	-3.800089168	-9.247448855	-2.769807662	-6.529412e-01	-1.949601374
## 499	10.528167279	3.249929565	-18.252907524	5.519416e+00	25.727591588
## 500	8.191483740	9.235426415	47.389227508	-7.890673e+00	-7.839192247
## 501	-2.016319452	-11.090731334	10.034294332	-8.538608e+00	-6.790687047
## 502	5.375714201	-2.350969558	-4.245378632	-3.103792e+00	2.368487212
## 503	6.240618481	-1.540759098	9.086322928	-1.291439e+01	0.109676696
## 504	11.807172120	13.093266601	0.456206854	2.156988e+00	-15.708716562
## 505	4.865169303	1.266108149	-11.354556199	1.057481e+00	7.606576114
## 506	-6.177419846	-6.880326809	-23.333412860	1.632640e+01	-6.414313824
## 507	-5.847518158	-0.145495505	-3.249053937	1.442302e+01	1.302870947
## 508	12.000753978	-3.238163029	18.852364174	4.828079e+00	1.844704349
## 509	9.060653997	-1.367577402	15.927770599	-1.325515e+00	3.559788246
## 510	1.135408143	3.277866136	4.109668500	-2.694586e+00	-10.690025615
## 511	11.925225005	8.332804510	-7.615591338	1.390798e-01	-6.097308506
## 512	10.688207266	-14.080839385	23.822351407	-1.253517e+01	6.047596180
## 513	-2.191312856	-6.077867804	0.860345903	2.138712e+01	-1.108904945
## 514	-2.557841718	-4.065834838	15.033613839	7.662851e+00	1.367199543
## 515	-13.716873778	14.769274594	7.955762077	6.451309e+00	-3.416510522
## 516	-2.010803912	4.226212104	7.532806550	-1.425937e+01	4.796325011
## 517	-6.515507807	-2.983579599	-23.684086335	1.389610e+01	7.684766394
## 518	-5.602998401	-3.862453132	-12.680746951	-1.556331e+01	6.901324444

## 519	-2.397547477	-7.180654059	-2.849425296	-2.857294e+00	1.132820001
## 520	5.531247393	-6.469321328	8.639729348	-7.915240e+00	0.281300137
## 521	-1.247684236	-8.084240251	-14.807503302	-2.354122e+01	8.409599801
## 522	-2.655104266	12.963372834	1.491571576	1.761034e+01	4.394134723
## 523	10.106143559	-5.234904118	-18.059125180	-9.085286e+00	7.980753298
## 524	-9.692719428	9.567182706	14.012396854	8.164400e+00	2.367779323
## 525	1.448381831	-3.275541898	-9.471640937	-1.025473e+01	13.086476347
## 526	-4.792949100	7.203860495	5.392927062	8.012791e-01	-0.856059956
## 527	4.403984820	-4.147513449	14.538404065	-9.069272e+00	2.053506385
## 528	-14.811330014	-11.734885635	1.901584604	5.618849e+00	4.028473092
## 529	-5.265202263	-21.838954953	15.266798090	-2.688340e+00	15.248531738
## 530	-6.318174414	-11.474299317	-16.671977708	6.187635e-01	-7.082591041
## 531	-4.190328107	12.370051365	-14.159326887	-8.661893e+00	-16.469741821
## 532	0.467051605	13.591061343	-2.515048011	-1.136100e+00	5.496409125
## 533	-4.747559237	-8.038313160	-16.149613091	-1.044192e+01	-2.134595653
## 534	1.817427887	5.325248826	23.030168438	1.268834e+01	6.382135143
## 535	-3.451414018	4.373763927	8.438657307	3.036583e+00	-9.157683031
## 536	8.749725694	7.635382125	-2.933386176	7.516409e+00	-0.174822794
## 537	-4.148922562	4.112060006	-10.319439189	5.879952e+00	2.730469587
## 538	-7.096512320	8.690204921	6.650205872	-1.158635e+01	-4.598765373
## 539	0.181464584	18.132479039	-22.074705232	-1.348848e+01	-8.994494568
## 540	1.937596449	-9.607815512	-15.459678739	-1.089739e+00	4.088411888
## 541	-8.197798296	-3.056419193	39.643035855	4.419875e+00	3.292059674
## 542	0.152224740	5.777448152	10.533811156	-1.832570e+01	-0.064215458
## 543	-1.406156568	1.390700358	-24.590533475	-6.616220e-01	-5.818371252
## 544	-1.128543800	-1.660659721	-8.348811732	-6.611024e+00	0.901386833
## 545	-11.220539976	3.298167794	-14.596653707	-8.755988e+00	5.099728582
## 546	1.306950258	-2.114313394	-6.291300873	1.337106e+00	-0.443421357
## 547	-4.285995762	-8.405281738	-27.439875467	1.133525e+00	5.562413052
## 548	-9.769108052	2.606072547	11.894663161	-3.100178e+00	-3.570204132
## 549	-3.121966725	-2.001173784	-17.014892409	3.341621e+00	21.660741828
## 550	-9.054075730	-3.906850021	3.448482117	-1.516799e+00	-0.399141738
## 551	-16.644794259	1.430970208	-17.604573468	-6.522775e+00	4.257051642
## 552	22.886760188	6.015163322	-2.911043705	-9.863466e+00	-10.596338500
## 553	2.625572286	3.139154229	9.617077996	1.385589e+00	-5.198866356
## 554	-5.202050447	-7.019731054	22.956785281	-1.420376e+01	-9.584527693
## 555	-1.777204352	1.960984364	-20.345000315	1.859661e+01	3.296604400
## 556	3.571857725	-2.964326526	5.418876779	-3.844008e+00	1.873478473
## 557	1.963056544	0.958958928	2.896830573	3.099173e+00	-1.513227130
## 558	-5.147971638	-10.815266539	23.760416603	8.824540e+00	-9.518066786
## 559	-1.272195719	8.486212803	10.447401486	-1.522319e+01	-12.076096585
## 560	-9.623911818	9.162509467	-3.740536440	2.633325e+00	1.896623088
## 561	-8.310277974	7.722436225	-2.344060108	1.900436e+01	-7.601903844
## 562	3.056042418	11.379621994	20.217322405	1.068828e+01	3.110868775
## 563	-2.695117845	8.663219112	-5.341530413	-5.597605e+00	3.379283434
## 564	-13.925980564	2.379285801	4.340567731	-2.620535e+00	17.296832763
## 565	13.373504355	1.699766601	-14.755849470	-2.642561e+00	7.503130829
## 566	9.790172022	-5.837311684	2.536968695	5.154278e+00	-6.642327495
## 567	-7.655777791	-11.910884159	-22.665324136	5.333565e+00	-0.653154409
## 568	-1.164959006	5.001713495	3.803890857	4.140964e+00	11.331960866
## 569	7.406849733	-11.564677964	-4.059065636	5.989185e+00	4.199982825
## 570	0.624350786	-10.400378054	22.084189422	-4.577076e+00	-6.316697125
## 571	11.078723003	-2.227474925	0.049453778	-7.158996e+00	-0.536911302
## 572	7.264730905	-6.402874245	9.286247668	-5.859569e-01	9.419134788

## 573	-2.337291439	6.368716683	-9.707779084	2.706058e+00	3.086883496
## 574	7.995595764	-1.042051839	0.482913244	-8.465965e+00	-8.190269708
## 575	7.621398342	4.271260755	13.943572916	1.386066e+00	-6.270332850
## 576	-14.688049382	-7.385185306	-0.173880848	-6.854933e+00	12.936776930
## 577	-3.210403001	-0.915609942	-19.043904254	-1.061719e+01	12.867281306
## 578	-0.282502460	-3.856352306	10.034098159	1.107418e+01	7.190816080
## 579	1.332622095	3.254086780	-4.888412263	4.093956e+00	-15.511111742
## 580	14.242312014	7.889973755	-21.595750844	3.521357e-01	-5.555593834
## 581	-11.838459823	10.679747793	12.168176348	7.582805e+00	3.141589738
## 582	-17.509734796	-5.855594802	8.522231972	-1.327626e+01	6.703514137
## 583	-6.864741177	9.342323313	-10.456293329	1.330308e+01	-5.461707520
## 584	-14.081158683	-12.064005869	-16.129568457	9.904978e+00	-2.761077953
## 585	-4.074342062	7.665819558	-6.789944078	-2.049198e+00	10.361520454
## 586	0.246108443	4.628758738	25.960799111	-1.672580e+01	4.133725364
## 587	1.202850145	2.360779528	19.915410046	-8.682547e+00	4.171291798
## 588	-1.104302524	-0.340123551	-19.429110225	-1.262197e+01	-2.134490858
## 589	-1.849415922	-5.191635059	13.849496957	1.855797e+00	23.672997716
## 590	-1.196998457	7.304913125	17.414647497	1.334758e+01	-0.452002878
## 591	1.764410159	10.949366981	-4.761618183	-1.678707e+01	-3.304370338
## 592	-7.721267211	-5.524168743	-28.118596307	-5.907176e+00	-2.070250742
## 593	4.827586445	-4.630348772	6.061996066	-1.401095e+00	1.336743561
## 594	-2.122077478	8.745240910	47.264960306	8.533717e+00	-0.020150069
## 595	-4.088148565	0.428843535	-18.721523562	-5.822067e+00	-7.606663522
## 596	7.216297801	-21.585022617	-29.928564326	-9.828861e+00	3.882062321
## 597	-0.249970097	5.645590934	14.551441294	-5.118547e+00	-7.307670778
## 598	-6.703498586	-2.138560737	-12.613125344	6.434970e+00	-12.573100125
## 599	-7.368746877	4.998311706	-9.725971759	1.676301e+00	9.679078717
## 600	8.089914797	0.331046923	6.324097418	-4.410899e+00	10.553941419
## 601	-14.461872978	-0.479456814	-6.619121378	-1.076564e+01	-7.086036518
## 602	-13.844778224	-8.460408788	-6.310838607	1.785689e+00	9.267080973
## 603	-12.570018491	-5.838432346	11.795739056	-1.535918e+01	-5.255232706
## 604	8.702784899	-4.297318856	16.513736570	4.158223e+00	-2.448781775
## 605	16.557351828	7.867842647	4.562949289	2.374758e+00	16.030649299
## 606	0.903061012	9.831871116	11.863336141	5.868338e+00	11.069027917
## 607	2.888796482	-17.704128219	-13.984103994	9.836865e+00	7.243974976
## 608	-0.788283278	10.162210363	-8.091975406	5.014064e+00	2.197138814
## 609	11.400611344	17.232474042	-9.000509729	8.967082e+00	11.562637369
## 610	-2.300299958	12.815935274	24.007078650	-3.928222e+00	4.793923151
## 611	-0.450396594	-4.296430966	-5.266084305	-1.068385e+01	3.036221917
## 612	-9.042138599	7.291973797	-0.496584464	1.619503e-01	17.886331603
## 613	14.591223913	5.248166316	1.800055810	1.286823e+01	4.892590269
## 614	6.866827715	6.950090393	-7.725724983	-9.264386e-01	7.271119900
## 615	-4.712573005	-0.407275303	18.613724249	-2.322713e+00	8.880155873
## 616	4.546284704	-4.628968823	-6.787576570	-2.872593e+00	-6.857697402
## 617	14.709172828	3.895878512	18.777377262	8.738875e+00	-1.369996521
## 618	9.881113213	11.733907088	3.514812463	8.845533e+00	-0.118115167
## 619	-4.478713230	-12.621788151	-5.626291175	-1.356582e+01	-11.933079325
## 620	18.458502351	-6.204943490	7.178744875	8.167255e+00	-6.589429714
## 621	6.832979775	-7.353024179	-20.425619396	5.269486e-01	-17.643789789
## 622	11.305472844	-4.590222390	-4.011893944	2.628528e+00	-0.652002571
## 623	-7.756807751	-0.618806668	-12.021592573	-1.186823e+01	-0.696135300
## 624	-8.885016813	-7.909689204	-0.662727548	-2.396688e+01	-2.518873236
## 625	-12.920787257	3.750382888	-12.438734139	7.707566e+00	5.440646090
## 626	10.295317024	-0.577589813	-0.684566242	5.621708e+00	-9.235048548

## 627	2.350191366	-10.059266554	3.193602757	-1.246123e+01	-12.545071630
## 628	-10.862179738	7.181840484	-3.736597717	-5.054977e+00	3.448548829
## 629	6.174996388	-4.134099119	8.256722102	7.474291e+00	3.457256912
## 630	6.055499794	-0.433888573	12.386194120	-6.686840e+00	1.228416689
## 631	-2.357736513	2.662618965	-0.058550788	-1.005447e+01	-3.107040000
## 632	5.933970405	-0.482800030	-7.708662457	9.471206e+00	-0.458882448
## 633	-9.717168031	-2.911972684	-20.538559934	1.042938e+01	5.505783195
## 634	6.793793529	7.868602578	-5.845427481	1.933729e+01	7.735702231
## 635	14.082677468	0.301142836	21.889442011	9.492124e+00	-2.413080557
## 636	10.070262640	-12.495825351	-2.892534127	-2.091727e+01	8.768243310
## 637	-13.981998947	4.209350081	10.305214971	-7.929857e+00	-2.587941943
## 638	-9.133470913	-7.012563529	-9.995174564	-3.137103e-01	10.641498090
## 639	-1.192796485	-0.339253416	-2.638112638	-8.157028e+00	4.201341620
## 640	4.204226918	3.257429421	-38.067185496	4.033457e+00	16.070580979
## 641	3.869538189	-5.278227347	15.677520821	5.168772e+00	1.208336101
## 642	-5.907359787	16.767304193	10.797121745	-8.310320e+00	-1.441180356
## 643	-3.782298610	-5.476566569	-5.055046179	3.913476e+00	-6.728607967
## 644	-1.852027342	8.418233061	-2.185832702	5.882114e+00	5.805040347
## 645	10.751755126	-1.470656898	2.243333732	6.858993e-01	7.231990996
## 646	-10.358245868	-13.071135311	-20.133398132	2.792631e+00	0.055772856
## 647	16.125972751	4.601054877	-5.413981992	-1.223258e+00	2.589704013
## 648	-7.393790119	-3.449888878	-23.852650471	-6.190544e+00	-9.438226175
## 649	-11.459879718	-3.733526436	-23.245350734	4.851039e+00	3.432554352
## 650	-0.099662235	-3.492705977	8.080314554	8.799932e-02	-9.512445310
## 651	-6.321317368	-4.936673724	15.259354653	-1.494888e+01	-10.682524481
## 652	2.319022735	-3.177417445	4.784418966	3.657737e+00	0.753290786
## 653	-1.445662662	0.528027073	-7.371975421	-1.088298e+00	7.501748839
## 654	-0.422567130	-2.447678520	9.450289423	-1.475671e+00	4.621658087
## 655	8.397592099	2.873442973	-15.952825838	7.150669e+00	-7.514916563
## 656	9.465057205	-1.793341293	14.490736913	-1.065352e+01	14.308659854
## 657	3.798527014	1.981726441	8.810001625	-2.919123e+00	3.808242365
## 658	-4.578978386	2.285158088	0.505842953	-9.021005e+00	8.860562542
## 659	3.416858465	-6.798064246	-3.981005765	2.537745e+00	-12.259997189
## 660	-0.587548439	0.970242266	-9.903076154	4.723033e+00	-3.578670391
## 661	-1.639156772	-1.463762748	-3.473983910	-5.414247e+00	2.404743292
## 662	3.502508502	10.893683359	-12.122304869	9.190795e-01	8.533667765
## 663	11.392361778	-11.640298461	-31.227540354	-3.198480e+00	6.820932960
## 664	-3.710231311	20.406002415	-6.553715026	3.267726e+00	-3.376627516
## 665	3.184358798	3.462311498	-6.688521733	6.350395e+00	4.194733596
## 666	-2.765688402	-11.170981209	-8.807960518	2.145141e+00	4.141021380
## 667	-1.743876062	-2.750198661	25.406201333	-1.577568e+00	-2.731350856
## 668	1.505167908	7.787780213	-8.080762943	2.231953e+00	0.200649028
## 669	-7.401943174	7.553052410	-22.829130147	9.505458e+00	-4.573062291
## 670	6.512133237	-4.166263011	8.819712682	1.968663e-01	-4.040301795
## 671	-1.632928571	1.248502579	-4.805213198	-5.161847e+00	-6.261598229
## 672	-0.162396448	9.207886579	0.440920071	-1.711889e+01	-10.972394563
## 673	-12.888624772	-12.260713376	-9.723630694	7.323643e-01	-4.824872688
## 674	3.871314108	-3.288397469	24.967832895	-3.072231e+00	-4.373728200
## 675	-0.968741229	6.301632157	28.014132284	1.162177e+01	5.152178385
## 676	-16.230897439	9.558678525	-5.588148199	-1.620738e+01	7.820409263
## 677	-8.388505751	-1.642879454	3.937089506	4.434193e+00	5.803973242
## 678	-5.049275105	4.101978856	-2.390355451	1.451741e+00	-8.103819019
## 679	-0.024373414	-3.285245041	3.187221266	-8.955005e+00	-0.982222386
## 680	8.315729086	-10.140238976	-12.814696588	-7.574225e+00	1.150972266

## 681	-2.722638453	5.990277972	13.597445130	9.022283e+00	-0.156331277
## 682	-4.589664278	-6.037822717	-25.728733418	2.777811e+00	7.344573705
## 683	5.286810294	4.810304099	-20.596317063	-5.047754e+00	-7.048715116
## 684	15.835773477	-16.041069645	-0.501042123	-5.983537e+00	-6.041050817
## 685	-5.583196509	-9.978282050	18.216529188	-2.396988e+00	-3.521553348
## 686	0.480175634	9.941499234	7.183098130	7.403529e+00	-4.100640384
## 687	-3.532257838	2.093802956	4.024653996	-6.364395e+00	-8.185355281
## 688	-7.013120651	0.294102239	-9.451888865	-4.019438e-01	7.017606748
## 689	6.630889315	-4.386553085	-25.438332913	3.662983e+00	-9.736557149
## 690	-8.739792268	-3.097616570	-7.735945615	-2.135415e+01	-11.306085582
## 691	2.742836384	7.481801778	-3.889174622	-3.142772e+00	-13.349064246
## 692	1.931290712	-0.336990308	-9.142614050	1.763096e+00	3.549457649
## 693	-10.999286543	-0.677482826	21.324399067	-6.685124e+00	3.251148960
## 694	-10.913707833	-0.493578705	-26.103724122	-3.405955e-04	6.149628957
## 695	-3.451831984	-5.528282695	7.043925615	7.213557e+00	-4.907141510
## 696	-6.171344526	-7.391631429	-18.557537433	-1.909381e+01	3.915487829
## 697	-4.080421688	-9.900484983	6.426087095	2.975869e+00	-3.914166934
## 698	-0.746126940	13.876128829	-13.806542020	1.177276e+01	-3.035077923
## 699	4.612768957	15.681498369	-18.024334450	9.545164e+00	19.379262433
## 700	4.847561737	-2.942193341	-2.096227625	-3.661904e+00	-0.496648889
## 701	-0.420438597	8.951803073	0.922490086	-1.091638e+00	5.472917497
## 702	4.506297329	4.773539119	21.525378381	5.185870e+00	-2.723756808
## 703	-3.438193236	14.213716044	6.853178036	4.303440e+00	-3.749164381
## 704	21.686186548	7.597839908	-10.849965723	-1.354190e+01	-5.183722319
## 705	-9.508128192	0.505716516	0.050698839	4.284845e+00	-6.234844623
## 706	-1.247068073	6.360570903	-25.812853027	2.035236e-01	-8.825772291
## 707	-6.664928795	-9.958447219	-9.326922151	-1.247659e-02	-3.936757351
## 708	11.946568018	-1.519828194	4.574211626	-3.599628e+00	10.914422870
## 709	19.099729865	-13.168180499	-4.372445494	7.098045e+00	9.690862533
## 710	-16.532334707	8.346504930	-10.150472158	-9.290541e-01	2.066773895
## 711	-20.672577877	-9.429074220	-9.015875267	-5.177173e+00	3.998022283
## 712	-5.065896817	16.187924917	-0.599266050	7.697330e+00	0.783061285
## 713	-15.989326286	6.805803763	9.245301026	-4.049846e+00	-7.681163475
## 714	-2.416160339	-7.318050375	8.704727428	1.595816e+00	3.775110247
## 715	0.791287550	-14.669036034	-3.537399022	1.438706e+01	2.517629352
## 716	2.513335990	-7.490381270	-12.570104078	-1.996425e+00	4.023997823
## 717	4.397507865	-7.975029853	-5.395396749	-2.711256e+00	1.302658366
## 718	-3.660335727	-13.397715384	15.870117574	-8.962809e+00	-5.920792185
## 719	4.070986455	-0.764483018	-8.302868552	-1.012227e+01	2.402625278
## 720	2.247093156	1.686709049	-6.082070982	9.199667e+00	-11.679050774
## 721	9.716074006	-8.341560050	-0.095579651	-4.921720e+00	-6.977061831
## 722	-10.193556546	NA	-9.649913954	1.025011e+01	1.941331274
## 723	15.630970976	-2.240152996	12.017294902	3.788413e+00	4.174552241
## 724	0.630080152	-14.356785820	-13.563018740	4.560654e+00	-10.059880377
## 725	6.187320472	1.483720316	11.904166073	-1.016375e+01	3.138863520
## 726	4.893077210	1.885777356	0.092960696	-3.518439e+00	-4.885025156
## 727	-5.147997176	-3.940522928	8.101198157	2.143214e+00	-7.486136423
## 728	-11.503735776	0.068184904	29.089410199	-1.136028e+01	-2.397779830
## 729	-6.110828793	-11.143241646	33.964385347	1.551311e+01	4.835048189
## 730	-9.175312132	14.265821276	-5.837914278	-1.226202e+01	-15.620303072
## 731	14.384542377	-1.652266220	-24.149313142	1.410582e+01	-5.097929113
## 732	-9.988229107	-5.169235950	-0.466739437	-7.076873e+00	1.991545288
## 733	0.122063205	14.122849183	8.633993923	-1.288552e+01	4.558028907
## 734	-7.931780017	1.694453971	3.863167816	-1.123618e+00	3.949884605

## 735	7.218773025	2.611889765	-7.968422696	1.213328e+01	2.881976969
## 736	-2.934597988	3.431305209	-13.939858186	6.867527e+00	-15.744640720
## 737	-8.737261511	8.392464569	-3.739784535	3.939490e+00	-7.291809182
## 738	-4.372118122	-3.693478943	9.858927371	7.024945e+00	6.520907351
## 739	-2.495474713	8.005593395	18.282435630	1.081999e+01	-8.397838439
## 740	1.818641606	1.328881163	-9.650974987	-1.589518e+01	11.463334829
## 741	3.754597785	3.891304627	7.648948807	-1.384194e+01	3.268092029
## 742	5.790651955	10.401083879	-12.100144346	-1.080290e+01	9.509873144
## 743	-4.500786090	-7.100023986	-7.016723961	6.291074e+00	7.598835084
## 744	-2.981651896	6.804559565	19.052145602	1.876402e+01	-1.322833771
## 745	-8.081050935	4.680598052	-3.866035810	-6.985219e+00	-18.539529109
## 746	11.130168027	-8.039106623	27.475763857	4.828022e+00	13.307140561
## 747	21.325986688	15.805410682	8.378325864	-9.075088e+00	3.412424893
## 748	-14.280380635	0.218759717	0.592083433	-1.572451e+01	9.317546942
## 749	7.406153611	-9.994372803	-0.183959403	9.285774e+00	0.764869760
## 750	13.793700100	-3.629230728	-23.483161811	9.195146e+00	15.568366111
## 751	-0.007319573	0.218940895	-12.323198914	3.055601e+00	8.955824458
## 752	7.223489853	3.173847140	0.358432869	-1.103490e+01	-2.631279133
## 753	-7.619822122	0.398838166	-21.992659211	7.532613e+00	-1.487677710
## 754	-8.242977387	1.304775033	5.080808297	-1.602242e+01	9.287901437
## 755	8.092934543	-5.516813486	-4.393914243	3.868555e-01	3.277312206
## 756	-12.828142470	4.754447895	-17.274805156	4.453769e+00	13.050251376
## 757	-9.183795396	-7.808876241	-2.722871546	7.991396e-01	-14.265155471
## 758	2.076814359	-9.410451675	28.534746631	1.402081e+01	17.253537708
## 759	-4.697859847	-11.615831811	21.459156856	-4.436012e-01	1.241547653
## 760	1.940526334	-8.957861875	1.481154941	5.147921e+00	-2.856852129
## 761	6.455250811	14.544599351	18.562758102	-1.486523e+00	0.662753463
## 762	-12.264528336	-11.679979978	-4.026306973	1.551871e+01	9.568268941
## 763	9.492582768	4.856517073	-7.479939833	2.514680e+00	7.613886573
## 764	2.102268031	-5.002579487	5.692724944	-1.175056e+01	-1.704418210
## 765	-14.951295084	-17.920399440	21.966190238	-2.455551e-02	3.981611799
## 766	3.240879254	0.851178835	1.160002553	1.005767e+01	12.207324829
## 767	0.819685491	-6.828368698	-22.437603891	1.014331e+01	0.995116385
## 768	0.663289752	1.624203938	3.700753644	-8.040634e+00	5.661932379
## 769	4.465458921	14.744038539	13.265217171	-3.441891e+00	0.925103815
## 770	-3.196868045	11.162730574	-18.049781432	-3.398740e+00	-2.244955301
## 771	-0.725223475	6.569691613	2.547874491	1.959805e+00	12.217876986
## 772	-5.846457756	-1.287806257	36.176179009	-1.517134e+01	-3.144406235
## 773	2.355206749	-0.555267012	-5.217723655	2.493339e+01	-2.164116284
## 774	-0.668189270	15.588518681	-1.333524932	5.382356e+00	-1.909792102
## 775	-10.114903185	-11.589996974	-15.883394051	1.016670e+01	-0.909242113
## 776	10.586241856	-3.419792045	20.536109661	-5.103703e+00	9.094988468
## 777	6.917924686	6.254134164	-6.237465162	-1.523657e+00	-2.290680888
## 778	-4.745924135	14.905517181	22.650224197	5.518561e+00	9.522146393
## 779	-19.120967173	-1.782005674	2.872295987	-8.346863e+00	-5.779061271
## 780	-10.703387172	-12.768327597	-9.487916780	1.263859e+00	-16.172952067
## 781	-8.452446432	3.228064259	-18.316928796	-6.920140e+00	-4.758256599
## 782	6.477477839	3.481355950	9.675766486	7.543799e+00	-11.221524678
## 783	-2.971208278	4.961371383	-11.342813960	1.377782e+01	6.755835956
## 784	-1.299041290	-4.258961709	24.600535905	-2.118937e+00	-6.333034753
## 785	-0.986501074	10.588134246	29.826283949	2.904814e+00	-5.468931884
## 786	-0.449360243	-7.018338426	19.935179564	1.362860e+01	7.019896277
## 787	1.498290341	-14.772724108	-24.936022933	-4.836956e-01	5.179473978
## 788	-5.090373711	6.442087439	-0.738266355	1.073528e+01	0.335687123

## 789	-6.213091489	-1.201540560	-3.940627121	-5.137745e+00	0.674697890
## 790	-11.278050516	-2.666139884	-11.206523502	7.714523e+00	-8.195106120
## 791	6.089234348	4.850989972	3.015097859	2.901852e+00	5.495835620
## 792	-19.284531269	5.810561468	8.828879745	-7.441575e+00	1.491036976
## 793	-2.666481392	-16.849274545	17.165548250	1.196569e+01	-6.699803593
## 794	1.995271769	-7.240846467	5.524983430	1.261141e+00	-8.481669401
## 795	8.530901234	-8.540300046	-0.056304453	6.085475e+00	-2.581507914
## 796	-10.341845058	-1.081147935	4.296037707	9.561140e+00	-9.683802532
## 797	1.698500786	-16.642687442	-4.292431529	-1.768017e+01	2.954455513
## 798	-4.541872296	-5.864128028	-9.605700815	-5.168527e+00	9.731738797
## 799	-15.904277850	6.588416872	12.331718768	1.115493e+01	-7.401569057
## 800	12.629082871	-12.296925836	6.655529497	3.904290e+00	-7.284647410
## 801	-9.558010360	-2.721184341	-23.103747927	1.128230e+01	1.069380953
## 802	2.266371757	-9.535353194	-11.037859854	-1.107688e+01	-5.127323510
## 803	-1.462610623	-12.287911054	5.514248486	8.149155e+00	-11.624222371
## 804	6.412158635	21.333556930	-2.576079072	1.016454e+00	9.376646030
## 805	0.792621418	-14.354850832	-25.020387408	-5.750512e+00	-7.375311596
## 806	-2.643474015	2.113453140	-8.814812284	1.044598e+01	-0.873567130
## 807	-13.948651240	2.580937450	-2.825654076	2.312624e+00	-5.109675439
## 808	7.444063969	8.376685673	20.511616114	-8.867562e+00	-2.005887919
## 809	1.530884442	-2.032003597	-8.641465561	6.223406e-02	0.538510120
## 810	0.934663265	-13.172172476	-3.742045002	1.352927e+01	-1.781980547
## 811	-1.972766637	-0.285184919	-21.400490680	-1.040380e+01	-7.767724573
## 812	4.808700814	8.558506547	-13.140042912	-7.785698e+00	12.332879092
## 813	-0.155785944	-17.538981428	6.347889829	1.177599e+01	-0.169116468
## 814	14.797992819	12.551026449	-5.601433932	9.878025e+00	-9.020677802
## 815	-8.330234321	0.655354142	2.673621397	-7.060307e+00	-1.044130478
## 816	4.631116190	-11.706650627	3.031463517	1.356813e+01	0.419374356
## 817	13.589649273	-3.330717197	-18.245196750	-2.490652e+00	-1.552025128
## 818	-4.939447959	3.680795392	-20.530328108	1.164372e+01	-1.436162499
## 819	5.977482076	-9.089331923	-25.915823752	-6.950480e+00	1.083834223
## 820	2.942495878	6.736227010	-7.272160774	6.136881e+00	3.225714225
## 821	17.775573457	2.425382322	-8.375351615	2.443231e+00	3.034775428
## 822	-1.721644950	15.707281349	27.547143188	-1.763000e+00	-11.099094958
## 823	-14.382778347	-2.489314214	9.407494317	-3.397505e-02	-3.215574568
## 824	-6.685009644	3.843178273	-8.616231113	-2.357113e+00	12.785894716
## 825	1.673811257	2.164260411	-12.545878384	-1.371473e+01	-7.673764781
## 826	11.713233804	19.209873642	19.078636376	4.210309e+00	3.213217698
## 827	-11.481839534	0.051765611	23.250564869	-1.163358e+01	5.703668035
## 828	1.185373035	-8.370228742	24.353722889	1.204918e+01	10.338583698
## 829	-13.406257488	-3.461668343	-21.801986244	9.900441e+00	-10.995573926
## 830	20.277405247	5.091952087	-8.831191771	NA	5.417212949
## 831	7.195347865	3.468080266	-16.696540441	-7.624586e+00	8.423900573
## 832	-0.889457159	-4.778952237	-12.841059097	-1.240560e+01	-0.103193924
## 833	1.078135297	-4.256545696	-15.990476101	1.437743e+01	0.232088499
## 834	-11.536640897	10.948117187	15.725623082	4.469677e+00	1.900605935
## 835	-3.979081828	-3.185089458	16.821713515	-1.729641e+00	5.063680258
## 836	3.337429704	8.949743823	-21.538480315	-1.561693e+00	-0.119331188
## 837	14.476413694	-16.954542603	4.661727783	7.665570e+00	2.393141918
## 838	17.075644879	-0.482051521	-10.043998968	2.148602e+01	3.789019309
## 839	13.137702790	0.547410230	14.978923312	2.138828e+00	5.708511288
## 840	18.937859202	-11.018723938	16.036807816	6.437469e+00	1.486703790
## 841	-1.734452383	-10.553032744	1.622199513	-1.014026e+01	18.785130837
## 842	0.352001385	-5.866308311	-8.739409574	1.190116e+01	-8.012459791

## 843	6.021666650	10.540199023	10.803496408	-1.777225e+01	-1.615385162
## 844	14.668700485	10.780984898	-13.665381051	-9.937282e+00	-2.806811408
## 845	4.193862641	-3.259984184	2.201049200	3.648497e+00	-1.456805958
## 846	-2.292808120	-7.774270658	-13.265921112	6.803396e+00	-12.534757751
## 847	7.929852612	-6.496114659	3.427871991	1.057493e+01	-4.886503250
## 848	-2.688193610	0.780152810	53.437118601	-6.535687e+00	-2.206418489
## 849	-2.231051586	-0.407963278	-8.814105341	1.900355e+00	-4.222512911
## 850	-2.051476239	-4.024322250	-12.205542221	-2.683231e-01	1.876170859
## 851	2.632926516	-7.738705324	9.563834481	4.599253e+00	-13.260711005
## 852	18.852412614	-3.650693651	-19.489184244	-4.397825e+00	-5.657178767
## 853	14.614269961	8.753083902	-10.869953504	1.774809e+01	0.823249745
## 854	7.867025702	-15.492972122	-20.266318406	1.283077e+01	-1.732172004
## 855	7.050550354	-0.613883325	-11.315554081	1.024701e+01	-11.796069707
## 856	5.861393630	9.851411569	19.360316098	-6.678583e+00	-7.252025231
## 857	-0.126469433	12.982106218	12.125955587	1.331336e+01	-4.658120611
## 858	10.017578429	-17.663935881	-20.487100448	1.801775e+01	11.908452295
## 859	1.869919761	2.748902922	0.980883989	-9.045263e+00	-6.736003869
## 860	8.011077056	13.326478986	-0.031230353	-1.944340e+00	-9.793023116
## 861	0.909625760	-0.072259204	19.670612692	6.127857e-01	10.719419843
## 862	-13.161134552	4.135808123	-5.828004653	1.217706e+01	4.394061877
## 863	4.561568049	10.510048725	-32.499642403	-9.460590e+00	1.793343338
## 864	-3.829840986	-5.502412944	-10.687373252	-1.071827e+01	10.250266885
## 865	9.824832674	6.211431511	-39.835319272	-2.945502e+00	5.073565800
## 866	-2.374915597	-6.763754882	-41.963962354	-6.089531e+00	-8.054862358
## 867	-5.149028941	14.070316763	1.948645112	-1.306165e+00	2.221818656
## 868	-20.737463578	7.699486114	19.052875944	2.205272e+01	-1.514757894
## 869	5.596103846	-3.118833814	-19.823270577	4.937651e+00	-4.642821117
## 870	8.549500020	-14.260187433	26.617740217	1.010152e+00	-8.548753326
## 871	2.363639629	-8.012665241	2.841020784	9.358642e+00	14.288899321
## 872	-13.295505949	3.001434203	3.526908893	-4.203300e+00	-1.981471327
## 873	-1.504095800	-8.024942933	-11.455949174	5.498636e+00	-10.944958358
## 874	10.130340489	-1.664293929	7.383878569	-1.000635e+01	-0.861962964
## 875	4.483210518	19.370848031	0.548458155	-3.287805e+00	0.250730166
## 876	-12.690905303	-0.812192884	19.478936558	-3.289888e+00	1.667860706
## 877	3.826663679	-1.231669597	24.056233666	2.728903e+00	2.364145331
## 878	-6.239044694	-4.761187675	-18.086546369	1.634284e+01	-8.230556376
## 879	3.095444982	10.172971681	-4.318678470	-1.552787e+00	-1.120987297
## 880	-2.569337991	-2.791383287	-2.709826082	3.366028e+00	4.091462968
## 881	-5.866033568	1.921755795	-24.685951665	-1.545533e+00	5.480740770
## 882	-2.566467482	-14.381929879	5.680554040	-2.644634e+00	0.642801331
## 883	1.871000445	1.778838756	-7.320734444	1.262386e+01	-2.360595686
## 884	-3.880920975	-2.282247931	13.264382946	2.731366e+00	4.920748319
## 885	6.051670701	6.307657603	-19.398176924	5.382124e+00	4.135412923
## 886	12.861006685	4.321755725	42.469466634	1.256728e+00	1.565800430
## 887	6.864205510	3.898287157	-5.021139374	1.343027e+01	-2.842361258
## 888	6.256652339	-0.898953754	20.998859807	-8.678845e+00	-6.376413733
## 889	-1.519575005	0.695080561	21.504742437	5.019603e+00	-7.385412046
## 890	17.759062886	-10.868227620	17.877805417	-2.961732e+00	-15.509262409
## 891	9.576543471	-6.161875147	-8.500325637	8.683984e+00	-8.306222229
## 892	3.847948211	3.607715391	-27.255117152	1.399085e+01	-8.546625476
## 893	19.896019211	2.104464283	6.592888360	6.581365e-01	19.536303740
## 894	-10.047692572	-3.227985968	-1.882508100	-1.189150e+00	-10.986883625
## 895	-1.052353464	-7.891442402	-0.850659193	4.099686e+00	-2.470414632
## 896	0.680559159	11.906821862	23.443738453	6.359575e-02	-8.122413930

## 897	-9.895219733	-5.367452119	4.110770967	-2.286987e+00	-10.160574633
## 898	6.319530682	10.670935015	9.381196119	4.281294e+00	-7.487231417
## 899	6.156658040	1.117836978	5.680166983	1.312270e+01	-1.543702711
## 900	-7.458527154	-11.402156080	-10.799063482	2.860775e+00	5.368774868
## 901	-11.751917381	-6.937284390	-9.441314633	-4.843354e+00	-1.211177310
## 902	5.181899414	4.593259090	10.568227775	-3.181015e+00	-3.119969273
## 903	0.965135654	1.705185317	19.929850403	-7.315828e+00	-8.509425894
## 904	0.556980398	7.913688480	0.005802248	-6.139775e+00	11.929129727
## 905	0.668946098	16.398049657	-2.428945179	-5.326453e+00	6.302287688
## 906	5.150035810	19.672601207	-30.714526139	-1.493777e+00	-1.567108367
## 907	-0.566118977	-2.345841863	-39.229677514	1.287351e+01	-11.111691100
## 908	6.920355104	7.621809689	0.496244393	-1.178503e+01	-12.362838760
## 909	3.009184548	-21.249230061	2.442262889	8.017110e+00	-4.591995386
## 910	8.144685474	-5.654577990	-20.947125617	-6.820534e+00	-5.782046844
## 911	-10.282069444	-10.303819708	-36.820863858	-4.617639e-01	-2.313566083
## 912	1.126972080	-0.238595265	-35.568762320	-7.385147e+00	-11.472820810
## 913	-3.356755224	-7.885304234	2.131308943	3.759633e+00	2.563765152
## 914	0.984041814	2.516803224	-9.681599136	6.710186e+00	1.873004988
## 915	-9.297916642	-10.979864400	6.862509825	-1.263236e+01	-6.687712198
## 916	-7.484258523	-0.493134749	8.381839175	-3.384105e+00	-9.846125945
## 917	6.227223234	-8.829864057	-19.729828149	-1.326792e+00	2.314939216
## 918	10.916978356	-1.690501348	3.864875621	1.006863e+01	-9.652943583
## 919	1.292113034	-1.274261065	1.217765765	-1.997702e+00	-11.976634286
## 920	-2.353951936	-2.986458359	9.371732563	-6.980767e+00	5.023974585
## 921	-10.150103489	-5.138690956	19.652873346	-1.691848e+01	7.956924774
## 922	0.923762606	-2.343458929	-0.759437116	1.672074e+01	1.804799378
## 923	-3.633634942	8.756088505	9.946763072	-6.793094e+00	2.690732765
## 924	5.459956053	-1.227301606	-17.966133711	-5.756055e-01	-10.579184063
## 925	0.912948018	-0.654204590	15.527961642	5.846513e+00	-6.724346865
## 926	1.910238362	5.142619280	-22.501859883	1.518448e+00	4.641618707
## 927	4.084139720	-14.823056801	12.044932055	-3.565341e+00	9.806107009
## 928	2.506882969	0.128660561	-18.912905703	-1.680921e+01	-1.120001858
## 929	5.396173260	-9.793930095	4.447014947	8.127560e+00	-6.449451510
## 930	11.066468526	12.083129676	22.830379530	4.098412e+00	-2.223010144
## 931	3.300418146	-17.734186972	9.482325859	-2.235056e+00	7.470596014
## 932	0.592358005	9.937064427	18.487799426	-2.510447e+00	-10.968618248
## 933	5.647815276	12.961020071	7.256337060	-7.360871e+00	-6.483988050
## 934	-5.547649514	16.537642476	11.512917825	4.122709e-01	-2.350583180
## 935	-13.120175097	4.605598109	19.320294610	1.500451e+01	1.530119418
## 936	-15.832554813	10.593355442	0.134078887	-1.171898e+01	6.438652700
## 937	0.695227814	-2.812807182	-19.916214183	1.631131e+00	4.247114732
## 938	9.095729665	4.147251320	31.994166733	4.200017e+00	-2.118685496
## 939	-2.542296388	5.399276759	24.358580528	-3.008209e+00	8.989120934
## 940	9.560383340	-10.444389184	1.467107443	-9.160973e-01	-1.451654049
## 941	-7.558855651	14.423446137	10.188762976	1.156565e+01	2.000387863
## 942	-5.990896257	-8.504478299	-18.179326074	5.567403e+00	8.635824978
## 943	-20.119764341	15.208491673	20.722297328	2.300747e-01	-8.796991712
## 944	9.288864584	6.967627351	-25.649798759	-1.530218e+01	5.843884600
## 945	-4.480063508	-0.525639545	8.336798085	-6.256140e+00	-3.154436879
## 946	22.476070629	9.117912494	5.401839558	-2.245418e+01	-0.138687014
## 947	11.414565767	-2.548048373	-10.503981110	1.599440e+00	10.174531125
## 948	-1.172477083	5.628995923	-11.558700264	1.540120e+00	3.144753235
## 949	-8.179376359	16.099444730	30.999921550	4.604295e+00	-6.825170806
## 950	-1.613924865	1.022660896	-19.709206147	-5.254337e+00	-2.591459191

## 951	-1.794815172	3.730999769	-19.220874820	-6.048455e+00	10.870815180
## 952	-12.189982120	-13.030861739	0.422924075	-2.713050e+00	-12.262090541
## 953	7.519742604	-1.101168721	-13.548245967	-2.463321e+00	0.181300405
## 954	1.667435519	1.069462703	-20.294512278	1.033165e+01	-0.191576037
## 955	5.706530046	-20.542018618	-28.074348767	-3.151958e+00	-4.886740494
## 956	0.623827451	7.687072765	16.119039617	-6.865107e+00	-6.455251962
## 957	8.331758377	19.667849074	5.654155769	1.266685e+01	-5.251135905
## 958	1.235029019	-0.791443010	3.159621354	-7.363907e+00	-3.784703759
## 959	14.680689081	1.729246934	-16.544411851	7.920172e+00	-4.833981791
## 960	-3.868652874	-0.895009022	11.439731540	-3.794138e+00	9.721092506
## 961	-6.416015817	-12.265001627	-24.962320670	-2.386570e+00	6.249743968
## 962	15.101079543	-14.896434002	-1.163800814	-1.542778e+01	-4.050837303
## 963	-0.440098913	-3.901793647	-18.760319106	-8.300534e+00	11.649801447
## 964	12.080528952	-0.557930138	7.715286929	2.277536e+01	-0.974645202
## 965	-8.182837825	2.742273110	13.528897358	-2.947664e+00	3.016791703
## 966	-7.162464084	-14.107957530	18.612181513	-1.721532e+00	2.848388285
## 967	4.656584622	-6.344974704	-6.173121256	1.129177e+00	6.260447388
## 968	6.829456234	11.116501904	30.258519148	-1.046601e+01	18.300667225
## 969	-3.501099027	0.251516860	2.651049532	1.018178e+01	3.000076707
## 970	-15.070154739	-9.632245580	-10.658144344	7.131748e+00	0.851697739
## 971	-1.854285083	0.761049067	-5.310757372	-1.014624e+00	10.749429976
## 972	17.489584616	-0.737030335	11.162808727	-4.491288e+00	-0.365450482
## 973	-5.747749967	5.141850194	-10.739713144	8.720241e+00	-3.021318756
## 974	-3.233045529	-11.081665161	-1.420404572	2.675528e+00	1.117445281
## 975	-17.579214045	1.113514912	5.658073543	1.447115e+01	-5.839693533
## 976	-1.668011555	4.266295330	11.227028164	-9.805337e-01	-0.296614336
## 977	-0.257860664	-8.837717685	19.540812159	6.238220e+00	-10.054118723
## 978	-3.436100587	7.037696711	-11.746841166	1.019567e+01	0.292297322
## 979	-8.467105230	-6.929450603	-4.964887497	-6.477437e+00	-0.523949598
## 980	-0.525927755	-4.022279881	14.614944862	-4.450122e-01	-4.010158892
## 981	-1.373909394	0.100836686	15.434901494	-2.030926e+01	-5.713142854
## 982	10.451044605	7.535261402	-4.436396214	-1.494012e+00	0.563897924
## 983	-4.767247478	-5.921273615	-4.689718616	-1.516198e+01	-13.626783401
## 984	-18.318808654	0.190619527	-5.684673908	1.538439e+01	1.472907991
## 985	-6.829286885	-12.997649612	5.012431285	8.392799e+00	11.787407276
## 986	3.440234406	7.445838828	2.038330163	-6.131127e+00	-2.665915903
## 987	1.750514004	0.472796620	21.484948904	6.810034e+00	1.231120620
## 988	-15.573770243	-1.732930610	-6.616157843	9.700006e-01	4.058945144
## 989	-8.450840282	6.582048557	13.183961525	1.157748e+01	-5.480006996
## 990	-12.309891665	8.244737173	-12.918005789	9.332278e+00	0.497955040
## 991	-0.204520511	18.002846570	-7.878567360	2.135133e-01	-9.327733474
## 992	5.248105729	-2.719320386	-6.736959672	2.455381e+00	-0.153720635
## 993	-10.613398984	2.479221151	13.839827244	1.879857e+01	6.745335146
## 994	-2.996739139	-1.689168908	-22.800428181	7.990202e+00	11.018446067
## 995	-3.345173729	-5.890058468	2.742393547	-4.816122e+00	-0.690754356
## 996	-11.139584682	0.445843387	12.744822774	3.527034e+00	3.812096834
## 997	8.719093759	-10.943198861	-11.079541390	1.066325e+00	0.611425700
## 998	1.681807336	-0.192262532	-9.451465173	-8.678595e+00	-0.920907093
## 999	4.839671878	4.009643601	8.530029248	-9.306655e+00	7.499264500
## 1000	-7.976820066	-0.763212563	-12.707207712	-7.831060e-01	-9.902277558
## 1001	0.106868514	-10.622089392	3.133734996	1.026765e+00	-1.903442745
## 1002	6.912447350	-0.471178094	8.272089020	-1.684071e+01	1.184890957
## 1003	11.283500116	12.385635266	-16.901098510	-2.369508e+00	-4.049307261
## 1004	5.701331818	-11.866816523	-16.306999158	1.908161e+01	-0.698480408

## 1005	-3.698114600	13.474147789	-15.043417899	6.038466e+00	-0.553839418
## 1006	-13.357682648	9.072193400	0.260977484	2.331963e+01	3.200751994
## 1007	-1.443601518	18.532053966	-1.201866236	2.699674e-01	6.287894172
## 1008	-4.482471017	6.757731102	-3.736979141	-1.587633e+01	8.229053034
## 1009	6.241538098	13.305010238	-9.886776630	-7.717718e+00	-9.293285158
## 1010	1.594321955	11.989756890	20.843798504	2.388494e+00	3.330252497
## 1011	4.064188068	3.535958645	1.543756111	1.535391e+00	-2.713735153
## 1012	-6.550605413	2.004125539	0.663046562	9.387426e+00	-2.763231480
## 1013	12.858378097	10.893569214	-4.238136334	-1.040175e+01	-16.734641656
## 1014	4.185493225	3.071776625	-15.162165623	-4.935607e+00	8.715977422
## 1015	12.881489993	2.474794633	-1.917382910	7.115025e+00	-2.098705373
## 1016	-1.681259976	6.034703697	6.896695465	-4.198559e+00	-8.487286664
## 1017	2.692347748	8.867217290	-3.633408760	9.602850e+00	0.407135810
## 1018	4.761118062	5.061525262	39.654227170	-8.721086e+00	-2.095168072
## 1019	-5.348103360	-0.295758138	-15.676518516	3.833141e+00	-0.890490305
## 1020	4.592322085	-6.400234948	-1.708485567	-1.227139e+01	5.019073684
## 1021	-8.090228190	3.308292199	4.735644310	1.801585e+01	-3.396075832
## 1022	0.805570146	-7.358973883	-10.028052250	-9.535145e+00	-1.314248246
## 1023	-6.321749099	4.160180558	-6.102683756	-9.785393e+00	2.205382082
## 1024	2.619822089	1.419004270	-26.773914464	-3.701316e+00	0.528652324
## 1025	9.816198757	3.252369711	-7.561471242	2.981301e+00	-5.051834946
## 1026	-2.959123787	3.188743443	-23.974777177	2.388800e+01	-0.300442861
## 1027	-0.401095999	0.100863401	12.440892965	-5.089816e+00	2.398861250
## 1028	-1.650132513	-8.599253424	-8.883259058	-1.216482e+01	0.074567103
## 1029	-10.368377174	-10.159926906	9.317121602	-7.648193e-02	0.370433732
## 1030	-3.294731734	-7.371020885	-8.189530173	1.424950e+01	4.681254167
## 1031	7.186914361	3.327535711	-7.203312615	5.766028e+00	10.819598969
## 1032	-14.454520616	19.130458618	19.936118430	-1.022366e+01	-1.117249405
## 1033	3.150867863	-2.156547301	19.337324567	5.406155e+00	2.714515232
## 1034	4.053823590	-0.193877207	16.131416217	1.646119e+01	3.707566569
## 1035	-0.536635326	-0.266066092	9.238088056	7.570607e+00	3.093878400
## 1036	-8.773134608	-9.428274076	-14.492474008	-2.302891e+01	-3.907668702
## 1037	-10.203781865	0.686928282	-2.944408335	-1.212913e+01	-8.195843193
## 1038	10.791510506	-2.063171096	-3.723222821	8.758917e-01	-11.101439187
## 1039	-8.398201549	1.293930479	7.591979669	2.003662e+00	-11.164599057
## 1040	0.584688882	7.675425378	3.489254018	2.054732e+01	-11.565391018
## 1041	10.077830631	-0.366034736	-29.362673534	-1.524470e+00	3.842568439
## 1042	5.611310640	0.361727162	-9.365054625	1.687185e+00	-1.371693645
## 1043	-5.998337009	15.196271998	-24.509803005	-8.660799e-01	5.706770064
## 1044	-0.379399269	-1.914752048	-17.410234799	-2.177075e+01	-6.108615735
## 1045	4.839269587	-2.175678778	-4.691009365	-1.944409e+00	1.147231968
## 1046	19.181690771	-6.062433267	4.063119527	2.602635e-01	6.028815463
## 1047	-3.897588171	2.113217784	-21.097676969	-2.555453e+00	-0.616235308
## 1048	-0.553257158	0.595175609	8.242062972	-3.653985e+00	-15.358764850
## 1049	10.828825407	-18.031123227	-16.292517259	-4.680437e+00	-4.645929629
## 1050	1.381218067	3.607136584	-3.026912702	-6.701057e+00	-4.641353008
## 1051	-11.786396682	-5.284049674	-17.419845910	3.360588e+00	-0.333705424
## 1052	1.605170089	5.719582643	11.190516747	-2.706633e+00	-2.794270084
## 1053	-5.310642574	-1.615281986	-2.547660868	2.491055e+00	-10.302133080
## 1054	9.956656488	-1.219680200	-6.695409565	-7.880661e+00	2.790361865
## 1055	12.764949338	13.377268849	-6.669471140	-2.897453e+00	-8.361985045
## 1056	-1.621123836	-2.171935778	-36.116847320	-8.864525e+00	-0.337706405
## 1057	-3.254454736	-4.331760824	-2.510389977	-3.568832e+00	-5.734491367
## 1058	11.853410042	2.331471889	2.176174278	9.453732e+00	-7.053223014

## 1059	8.354225469	-0.901730846	1.553609169	1.018524e+01	-4.193283313
## 1060	2.816532618	-5.324002351	-15.974632138	1.187112e+01	0.778443675
## 1061	-1.617532909	-15.831486826	0.799441345	2.409924e-01	-9.813261345
## 1062	-3.763943749	-18.288038412	-2.034633542	-3.032382e+00	3.864953872
## 1063	-7.340667567	-16.466481166	14.754832730	2.408495e+00	-6.262445545
## 1064	-3.570594750	3.713130166	-15.438852965	-1.410697e+01	5.544964142
## 1065	-14.771054064	3.527067493	6.565374900	-5.459580e+00	-9.182794273
## 1066	5.212643487	-1.668242788	-9.843214495	-5.290055e-01	-7.530627145
## 1067	-9.241731347	12.374712760	-15.864477594	4.302512e+00	-13.225643897
## 1068	9.853673607	7.648136700	-4.154541147	9.105765e+00	-9.155068079
## 1069	9.390534148	-3.061134230	-6.382359172	-8.029926e+00	-7.754519207
## 1070	4.943074256	3.016118604	-4.904806358	4.430201e+00	6.524186706
## 1071	5.610725053	-6.430007302	33.621421993	2.095864e+01	0.319294008
## 1072	7.234250543	-3.488676271	-11.951388513	6.410052e+00	-4.675725509
## 1073	-8.254498656	-2.188288154	13.229110801	4.449037e+00	-5.874465384
## 1074	4.397786076	2.403914495	-5.943069585	1.760339e+00	-3.290560523
## 1075	10.438416691	-1.980778193	9.592304703	3.194973e+00	0.053876811
## 1076	-6.810517568	-17.263496105	-8.081207895	8.945356e-01	7.060260482
## 1077	6.316437773	-1.857257652	-1.945894098	-4.960305e+00	1.050229742
## 1078	-6.647210587	8.610464374	-4.014000651	-3.612733e+00	9.124287991
## 1079	9.343716017	-17.527251739	-4.294555387	3.066576e+00	-3.272635498
## 1080	3.265997407	-12.586297630	-6.225962514	-8.520134e+00	2.319011245
## 1081	-0.220472286	-9.816566465	2.275623247	-1.783770e+00	-3.107159702
## 1082	0.713178964	-1.406154613	31.098019837	1.430842e+01	2.864497211
## 1083	12.671127476	-2.406890102	-2.092594266	-1.083016e+01	-5.430965081
## 1084	-5.348460274	1.144195152	16.265968771	-8.514925e+00	-9.819305796
## 1085	4.572400882	-17.603166641	13.434101033	-2.123358e+00	-0.301615068
## 1086	4.765317042	3.247445328	-3.676703895	-1.025516e+01	7.350676192
## 1087	-15.042150913	6.389476678	-17.240846210	-2.149431e+01	-4.401626225
## 1088	8.315385473	4.257205136	-25.903489664	1.752473e+00	10.293951985
## 1089	11.690092722	18.738103869	12.338409367	-3.399224e-02	-12.099069583
## 1090	-1.394684248	1.015447921	-0.925238568	-2.302541e+00	2.081543146
## 1091	-9.497810546	5.192665884	18.516847323	4.388710e+00	6.725329068
## 1092	5.345965099	2.188433883	25.306714494	-9.015602e+00	-14.836054110
## 1093	8.980228625	-1.858027420	-9.976825718	1.508240e+01	2.502354822
## 1094	0.507259513	-1.757892399	-13.427832418	-2.093551e+00	4.808400982
## 1095	-0.909585667	-10.393766871	1.311538669	-3.927215e+00	2.437516574
## 1096	10.596454723	-3.055070918	-11.649960502	2.941800e+00	4.207004672
## 1097	-2.500717207	-3.492704705	-34.459647976	-7.729708e+00	-0.544922676
## 1098	-4.719172169	-6.337956113	30.143904414	5.457789e-01	11.817894052
## 1099	8.425205457	8.782690188	-6.593027550	1.833371e+01	5.996807051
## 1100	-11.422771305	0.462331442	-17.212329693	1.233727e+00	-2.365063967
## 1101	-9.430225601	-16.541963779	16.263319105	-1.276493e+01	-6.214348379
## 1102	-0.891919443	2.917666308	-11.880214406	-3.286892e-01	-9.550725841
## 1103	-13.991194884	-9.515159889	-28.964453681	-2.226015e+00	14.047874244
## 1104	-11.649880491	-7.185386707	-12.841589003	1.659317e-01	10.480934644
## 1105	3.460366201	4.916302889	3.116423438	9.498119e+00	-5.792272740
## 1106	-1.893059512	-3.396697246	-0.532333963	-3.463790e+00	-3.602273393
## 1107	-11.753735331	11.550713827	-12.175095469	-1.044955e+01	-1.456111832
## 1108	7.396822286	-4.515620957	19.848078527	-3.212421e+00	-3.025880334
## 1109	-6.910234957	10.981873463	0.551773697	3.450494e+00	-8.844735544
## 1110	12.849375170	4.261687093	16.330806881	-7.422409e+00	12.050412116
## 1111	-10.218042297	27.863667422	-11.672883950	-3.860068e+00	2.985680739
## 1112	-8.972725403	6.960350510	-26.889381175	5.911459e+00	-12.155276789

## 1113	-6.216895371	-9.806726883	-6.398343253	5.546159e+00	9.341444482
## 1114	4.400055441	6.175087525	-8.151940792	-1.081480e+01	0.799315648
## 1115	-0.730229286	1.324773815	-18.633255474	-1.350819e-01	10.615449030
## 1116	-17.077633319	11.014460465	-2.699238751	-1.444088e+00	-1.385021663
## 1117	7.214016606	0.155443906	-29.972252581	-1.188032e+01	7.836858526
## 1118	10.427976845	1.114378010	-12.238549676	6.808384e-01	-0.924368095
## 1119	10.271542214	7.351777718	20.717371852	-9.607128e+00	0.032672358
## 1120	6.928619784	-5.472957181	23.101000433	-1.471386e+01	-0.559015633
## 1121	-10.246031828	3.987783881	0.448643674	-1.914518e+00	1.899820092
## 1122	0.701277028	-2.354974659	16.104869160	-1.598558e+01	-2.826671920
## 1123	-0.802071788	3.193691635	0.837475925	7.639378e+00	5.817801860
## 1124	2.187424428	-3.107432376	1.160831315	-1.462541e+01	-8.353677567
## 1125	-9.295934977	-11.436826945	-1.495469973	-8.342277e+00	1.250393948
## 1126	-5.848435457	-3.184624493	8.681835737	-1.372045e+01	-2.130655672
## 1127	4.674334884	-5.056928780	-4.162349472	5.818811e+00	-2.468458615
## 1128	-1.463585231	14.100641200	-6.611780071	-3.433435e+00	2.088642330
## 1129	4.179979851	11.857702215	2.537332084	2.241439e+00	1.312140961
## 1130	2.572487563	-4.846389582	0.847447889	-8.349086e+00	1.107239844
## 1131	-4.034034221	0.843223844	7.372930951	3.818136e+00	3.813739934
## 1132	-1.206222119	13.011512291	-0.145347079	1.305356e+01	-1.007062173
## 1133	2.257538809	-3.107323967	-11.869202856	-6.204829e+00	10.531545260
## 1134	24.789581029	-2.927450044	-0.354582024	7.661884e+00	8.871154243
## 1135	6.525818792	8.131719917	5.412935478	-1.199308e+01	5.603494266
## 1136	-0.191460362	1.893571275	-13.690415506	1.464016e+01	7.920576918
## 1137	-6.439191147	7.981983765	3.551709382	-9.566604e+00	14.330189875
## 1138	8.163679438	-3.695618113	-14.254990968	4.240928e+00	8.415958989
## 1139	7.292763431	1.002095785	-18.341256515	1.925785e+01	0.887313026
## 1140	8.404161169	17.169150641	23.324301796	4.981645e+00	-9.305607290
## 1141	5.317456327	-8.308248472	13.387836822	-9.390117e+00	2.657628145
## 1142	-2.336219650	16.310368944	-24.110283473	-6.536329e+00	-3.745569345
## 1143	5.182935919	7.405238235	-29.212010973	5.034934e+00	2.334787328
## 1144	-13.091114317	-4.656126876	-27.638092950	1.969432e+01	-4.355134776
## 1145	-11.907137661	-8.635970167	13.045138452	1.353952e+01	3.071397916
## 1146	9.846650403	2.034835143	4.244583997	-1.764478e+01	-9.520096069
## 1147	-2.816452862	21.028487613	-7.708506434	-6.496214e+00	15.913055191
## 1148	7.069061787	-1.658033098	-11.476889161	1.707425e+01	8.505626436
## 1149	-0.115792073	-8.638257694	23.189873668	-3.487441e+00	-3.605160585
## 1150	0.288301759	-2.834148063	9.592592544	-4.755595e+00	-4.853408250
## 1151	-5.929950880	-2.564778536	-21.692657077	7.312028e-01	0.641974412
## 1152	-10.228797756	-15.281938356	5.316832800	4.808941e-01	11.592384177
## 1153	8.683293948	-4.590873648	4.051278240	-9.308293e+00	7.075230397
## 1154	-6.825716016	-13.466929438	-2.847357885	-1.609260e+01	14.541533091
## 1155	6.413975567	-0.236946362	-8.969410835	1.118498e+01	3.528555794
## 1156	3.140911811	-4.173371498	-3.096257838	4.404372e+00	0.413793678
## 1157	-11.161989577	5.952685409	10.921684537	3.630197e+00	-2.540061407
## 1158	3.053333114	-3.568725196	19.493474914	1.834617e+00	6.121314220
## 1159	-6.871992075	16.496355524	-3.767757305	-9.644123e+00	-2.867783395
## 1160	-19.828636495	-0.391011802	-15.229693033	1.156153e+01	-4.707933805
## 1161	3.531949074	-4.194974486	-6.660992310	-1.256541e+00	-12.753252715
## 1162	2.973758883	6.156648055	6.102746787	-1.580847e+00	10.611751244
## 1163	-6.108432697	2.990935251	-1.557163269	-2.323681e+01	5.287279785
## 1164	2.743877409	-0.231016510	8.894020675	-1.109901e+00	1.068287894
## 1165	4.373493452	-5.985749864	-7.675679524	1.103517e+01	-5.991918348
## 1166	4.284739503	2.202410123	-5.319755607	7.598938e+00	-2.311180674

## 1167	8.289870056	-4.616472434	8.127945977	6.141753e+00	-0.806529731
## 1168	6.046097788	-7.421679527	-18.881139204	-3.806376e+00	-0.751341139
## 1169	3.333633111	3.949639711	-29.460025976	-5.855604e+00	1.056922811
## 1170	5.340605176	-4.306606586	-17.616882325	3.485535e+00	-2.884911302
## 1171	0.462477952	-2.195594179	-10.945867214	1.120343e+00	-7.844401641
## 1172	6.166523077	-2.278689598	-2.835350981	1.518488e+00	5.519642946
## 1173	7.191518676	21.137628161	-3.844761989	-4.453896e+00	6.112557759
## 1174	13.814598082	-1.180313589	13.987876407	-6.300412e+00	9.059711913
## 1175	4.338423083	17.212284710	-29.188776174	1.274107e+01	8.241245424
## 1176	-14.482156664	-5.770601785	20.501502447	-1.741382e+01	-5.403393816
## 1177	4.386368568	22.031068403	7.653083091	-4.707803e-02	0.810897312
## 1178	1.253630710	-12.941596323	-7.755544750	6.710794e+00	3.378762758
## 1179	-12.677370169	0.704127315	-1.437619855	-1.586979e+00	6.941146872
## 1180	-7.748963569	7.610531513	10.764168962	-1.989768e+00	-6.920630650
## 1181	-6.435429065	12.136747795	-7.886329820	-7.537064e+00	5.532826465
## 1182	-12.438478229	2.042546973	-24.908876209	-7.898906e+00	-0.368991064
## 1183	3.590455855	3.409963749	12.560974166	-5.807229e+00	-6.270660275
## 1184	-3.114971359	-2.742268900	-0.574449042	8.680140e+00	-2.731135328
## 1185	-7.860433111	-1.168432581	-28.611966702	-1.268906e+01	12.594864747
## 1186	-5.045872838	13.283239683	-9.309688556	1.034106e+01	11.652694737
## 1187	-3.592715886	13.601590027	-7.561473000	-7.703237e+00	-5.742343609
## 1188	2.004267832	-4.618905227	-15.155242681	3.640334e-01	3.951555300
## 1189	14.786130497	-12.210422675	-9.943857618	-1.107981e+00	-10.113082519
## 1190	8.148006587	1.387716729	24.220174975	-7.422888e+00	3.236814750
## 1191	-1.212557106	-7.704261892	-13.096459520	1.922589e+01	-2.110808615
## 1192	4.673436493	8.374429402	4.300865625	-1.038691e+00	-1.970078142
## 1193	0.548690656	13.771544669	-24.655160952	-8.138790e+00	-7.584817609
## 1194	-8.060553646	10.676208772	-7.257851060	4.027729e+00	0.043518493
## 1195	-2.603148650	-9.352587766	-12.498845041	-1.219338e+00	-3.861249689
## 1196	-11.629888498	5.033761702	1.711367742	5.525403e+00	6.697173869
## 1197	5.832203479	-2.299746706	-9.122793574	6.999842e+00	14.589880066
## 1198	-1.027688461	-18.694145062	22.544898269	1.841015e+01	0.624715386
## 1199	-2.140525444	8.519710984	1.852158827	5.441692e+00	0.249375180
## 1200	-5.907094451	15.210187387	8.057107233	1.491525e+00	6.091217452
## 1201	1.773883122	-5.062312102	-14.634888553	1.029998e+01	-14.417686148
## 1202	-2.834359708	3.195234729	-3.508014532	-2.905602e+00	7.893101199
## 1203	-0.326185206	5.389822405	-9.710552953	-6.346661e+00	-4.878055827
## 1204	-10.104206300	6.326431103	-9.813945692	-8.454972e-01	11.463636154
## 1205	-0.158656023	-2.723955065	-12.435041822	-3.120826e+00	-9.761510213
## 1206	-7.129441518	5.278746687	1.897873071	7.540283e-01	1.028981525
## 1207	-6.304766907	18.861082562	-11.696546371	1.221942e+01	-4.261606118
## 1208	13.721556220	-7.612231027	-9.914709957	-9.981883e+00	9.735915332
## 1209	19.211681024	-18.809912051	-12.168369547	1.223112e+01	9.748879395
## 1210	7.464141684	15.187493414	-14.016465844	-1.244132e+01	-10.543552801
## 1211	2.859084113	-2.680297766	-7.801405558	-7.278952e+00	8.762663470
## 1212	7.881242944	-10.110245376	-6.226098077	3.283287e+00	-8.202386295
## 1213	-6.290421791	-19.215219671	4.231450255	-1.699018e+00	14.005969317
## 1214	9.699251394	20.811767879	2.957283744	-2.025782e+01	-2.421392196
## 1215	-2.838837946	0.844745226	7.403370550	-1.768754e+00	-11.093835971
## 1216	4.103074493	1.941207532	37.743626985	-1.771655e+00	10.267849709
## 1217	4.047218279	4.103009110	-15.049385503	-8.672327e-01	-2.171562709
## 1218	-11.446999120	3.277180718	-4.621158600	1.877782e+01	4.818033690
## 1219	-3.929824229	-3.914463242	18.428958309	-1.032631e+01	6.940306920
## 1220	-8.113711320	-5.382823299	-0.936412864	-1.403413e+00	-1.151581469

## 1221	6.806484884	-10.950235286	-5.216395345	1.425285e+00	-0.294468463
## 1222	3.907772361	-7.747420487	-17.578628028	2.072000e+01	-10.089638540
## 1223	-4.693229848	2.574655796	19.661318592	8.151320e-01	-16.095068609
## 1224	2.966310663	-6.372203557	6.957543732	-7.587332e+00	6.220358827
## 1225	-4.634194016	-0.026674380	5.433287931	-4.317854e+00	5.955869389
## 1226	-0.309789032	-6.716811172	3.164528433	7.801684e+00	-3.773978120
## 1227	3.209150057	-8.014906811	8.889900930	-6.192123e+00	-7.816922656
## 1228	0.391301524	-11.604941578	2.399707514	8.549232e+00	11.346721332
## 1229	-14.557978126	6.410078598	4.542415621	3.184624e+00	8.435761883
## 1230	2.454821934	-11.588517046	-25.040693186	7.884411e+00	-0.016550703
## 1231	4.380177524	11.544582100	6.292341726	2.712028e+00	0.084155633
## 1232	11.938913451	5.647190863	-30.325681971	3.079168e+00	11.758367807
## 1233	-10.875375080	-8.304376689	1.020344236	-6.618739e+00	-5.993994680
## 1234	2.006921084	-9.537501150	-3.952597340	2.310308e+01	-0.314205557
## 1235	7.023202808	5.745778257	4.341313169	-8.201654e+00	-7.049491493
## 1236	3.129390131	0.370579447	-12.452868331	-1.410547e+01	1.578338044
## 1237	2.877345263	-2.039403465	-9.906265463	-4.233920e-01	9.858338092
## 1238	-12.331339722	5.079774921	3.075416840	-4.355658e+00	-7.644766745
## 1239	-9.995664206	-10.721863382	11.319299891	2.926434e+00	6.289910219
## 1240	-9.362144685	-6.365813286	3.002615704	7.083580e+00	5.469538783
## 1241	16.251972349	8.194180681	-12.233005920	-1.616582e+01	6.243840487
## 1242	0.477073665	-24.811589555	0.283290319	-5.010872e+00	-3.204827624
## 1243	-4.117153950	1.256323637	4.612945440	-3.946934e+00	4.642630488
## 1244	-5.729678253	6.761045525	3.390050907	-5.894296e+00	-1.950097697
## 1245	-5.378333334	6.410325287	-26.150781398	-1.234849e+01	12.373927883
## 1246	19.825541199	0.426024360	2.679244413	-6.350557e+00	14.548890912
## 1247	-6.616237388	7.674135061	2.026985144	-6.115075e+00	11.165646204
## 1248	-7.205355838	-0.192776335	-6.631173675	7.160410e-01	1.728343473
## 1249	-1.887622546	0.406234674	-2.506775923	1.109842e+01	3.452095748
## 1250	-18.962245042	7.116628648	0.735021289	-7.830384e+00	3.044985675
## 1251	8.072944890	2.191412419	7.438427441	-9.808272e+00	6.447692442
## 1252	7.762351008	7.584173198	-4.123429566	1.297970e+01	-1.513068405
## 1253	-5.559235813	8.507935744	3.192764567	-1.099660e+01	4.104749591
## 1254	19.892410655	-4.045788066	4.205216152	2.559049e-01	-2.711861723
## 1255	-1.385554033	-1.361286736	17.650847334	-2.142372e+00	11.656310305
## 1256	-2.543522773	7.849109990	0.765187893	1.799528e+00	7.509002809
## 1257	4.958909477	2.420419072	9.823213818	-8.931472e-01	-8.084470326
## 1258	-11.192641433	-6.104309414	-6.933027373	-1.777882e+01	0.446599637
## 1259	-1.856573100	-0.008577794	-20.851555423	-9.541626e+00	-0.589426519
## 1260	-13.118402435	3.339591053	18.666720522	4.012904e+00	9.005348089
## 1261	-19.553569601	11.795971700	-3.003376922	3.033443e+00	5.688468782
## 1262	-0.608148230	-5.662579858	24.102895407	-7.513550e+00	0.696422007
## 1263	-7.932323765	6.763913291	-2.258988129	-1.330873e+00	-1.160974188
## 1264	2.484260646	-3.462350676	6.028601052	3.396620e+00	3.135327015
## 1265	9.233395521	0.905696029	9.303785945	-1.519877e+01	-2.642735501
## 1266	-10.841925176	-12.872042806	5.021898785	-3.014261e+00	-3.015478891
## 1267	-3.438677870	-6.506065104	16.524697313	5.131955e+00	0.533833699
## 1268	-2.443110804	-0.077889583	-5.300734478	-3.001745e+00	2.728172920
## 1269	-1.465673489	-5.476676087	-16.010404207	-2.468387e+00	0.485113511
## 1270	1.657279900	-10.185218368	9.020124632	5.398835e+00	-2.324933446
## 1271	-0.566224169	3.465952837	-26.793420901	-1.474373e+01	-11.750769443
## 1272	0.785535907	6.884650547	14.273015246	-1.264267e+01	1.496090423
## 1273	5.177594054	-0.635051398	-0.015753907	7.341555e+00	-0.339036758
## 1274	-1.653684548	-8.731967282	-22.460984866	1.289917e+01	6.910174986

## 1275	1.744976665	-3.404987766	-10.746731080	1.513388e+01	4.625116826
## 1276	1.412308649	-0.940642629	18.447656140	7.493719e+00	3.334418393
## 1277	22.978962586	16.902758264	3.918113045	-1.507172e+01	14.710699633
## 1278	7.927310519	18.190918533	-14.761175096	-8.990207e+00	7.120028068
## 1279	-0.009022978	3.345687144	-4.173767668	2.989195e+00	-0.019328776
## 1280	-8.145932909	-4.930067167	10.592580738	1.200643e+01	0.936577331
## 1281	3.130166528	-7.149261538	-17.557786110	-1.028134e+01	-10.955509011
## 1282	-6.615603529	-0.589755548	-0.161257041	-1.447742e+01	-9.034586960
## 1283	0.046368769	-12.511498152	-0.083013559	-1.385849e+01	2.569585880
## 1284	1.569018133	2.953383265	3.339583032	-4.926502e+00	9.757531269
## 1285	2.353234686	-1.221327637	-25.198813073	8.198376e+00	-1.550663656
## 1286	0.140461081	3.346229542	-11.027171490	8.406648e+00	13.130473992
## 1287	0.360587997	-6.701728020	28.976681749	1.935827e+00	7.439029800
## 1288	2.411667270	7.139974042	-1.738717624	4.841876e+00	-0.622830180
## 1289	-4.293097416	-24.123399438	9.470034837	-4.640347e+00	-2.093393340
## 1290	0.461773004	2.103645538	5.507539345	-2.472323e+00	5.007686323
## 1291	-6.266849004	2.569796146	19.179804692	-1.140609e+01	7.339564794
## 1292	11.076990773	-2.401133288	-4.879038475	-1.446501e+01	-13.401909226
## 1293	11.744387309	12.976619319	7.230223034	8.968220e+00	3.940727542
## 1294	-5.589619078	0.111393736	22.424247166	1.142550e+01	-4.266175813
## 1295	-0.045479260	13.261033265	-0.163633162	1.066008e+01	-3.908793363
## 1296	0.386341733	-9.116630659	-6.869787269	1.177802e-01	-1.269121015
## 1297	-17.740071771	10.970686279	8.218060391	5.119986e+00	1.823355890
## 1298	8.320749990	-10.401459180	-9.133682750	-4.069216e+00	6.690907011
## 1299	-9.588196317	-3.277793427	-3.398218200	4.848873e+00	-10.396330384
## 1300	4.178810950	-23.063006808	3.589763474	-8.346605e+00	3.480116181
## 1301	-12.458372162	17.514043104	-0.042119698	-4.239435e+00	13.086304711
## 1302	-0.523872248	5.498523819	-1.310281653	-3.561637e+00	-5.467190724
## 1303	5.472352709	-6.823087335	1.173635115	1.526952e+01	-12.890930036
## 1304	-4.359083718	16.220324570	-13.109130310	1.484779e+00	6.811183459
## 1305	-5.287633262	4.365350792	19.291639806	-8.067715e+00	-0.302165375
## 1306	4.673094259	-7.567196600	7.412866642	-1.027070e+01	4.772607530
## 1307	-5.667283689	7.828981780	-3.336167294	3.602506e+00	-2.446650514
## 1308	-3.795718117	-12.709681528	0.232602517	-9.008824e+00	4.628038305
## 1309	-7.054490217	2.711296507	-0.455682180	2.547339e+00	2.794175703
## 1310	6.096420987	1.417967694	7.579948843	2.588740e+00	-7.480161977
## 1311	-9.160127795	-23.141152971	13.085346727	-2.287023e+00	12.106408430
## 1312	-9.060901531	3.509100370	3.803272026	8.516632e+00	0.969210662
## 1313	3.725771248	-2.227585369	6.450372357	2.118033e+01	0.331110006
## 1314	-16.630971723	-3.491164496	7.677960732	9.685827e+00	-9.578125528
## 1315	7.486120477	15.774699068	-9.151900030	4.896688e+00	-2.130364999
## 1316	1.809322185	-10.506180747	-6.205593670	1.777017e-01	4.240342466
## 1317	-7.690797978	-15.337786280	13.718811601	-1.397528e+01	5.609094865
## 1318	-2.401707159	11.101648459	-10.594443256	5.996762e+00	-6.701578618
## 1319	2.628056637	-1.134908170	-8.537475956	1.234477e+00	-4.909663248
## 1320	-13.480678267	-3.647362774	-4.480835570	-1.903022e+01	7.712294892
## 1321	18.369873780	12.122440047	1.459324362	1.440536e+01	5.773654097
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## 1325	-3.993617420	5.062442181	-0.578610830	1.366490e+01	10.374240270
## 1326	6.184902041	2.171951311	-23.637433971	-5.492398e+00	-7.045552177
## 1327	12.384578908	-7.201414314	15.935545920	-5.608956e+00	1.095308682
## 1328	4.394570479	4.309265308	-22.152172151	1.328365e+01	4.088124458

## 1329	10.245435456	-22.221796264	1.151286766	-1.270456e+00	5.767957294
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## 1331	2.156852872	-3.431111077	13.839719394	-1.311839e-01	-1.879750524
## 1332	2.467033615	13.389194392	4.128175188	-1.055091e+01	7.187297716
## 1333	3.679927363	-0.583110260	9.279253060	-8.653327e+00	-2.158481396
## 1334	-1.354297986	11.797941929	-13.215731744	1.125879e+01	7.016878500
## 1335	3.112949718	-2.601185684	-8.376444835	-8.163795e+00	5.203486258
## 1336	-6.742759042	-2.385309714	-8.229981309	-5.558546e+00	-1.876988049
## 1337	-10.708542273	-6.356911982	1.958391853	1.968554e+00	-11.647147437
## 1338	-7.374342373	-16.701074224	-23.107347510	-4.388781e-01	-0.073895182
## 1339	7.897520236	8.210741148	17.592296138	7.235359e+00	-8.426957110
## 1340	-12.924413566	-11.753570363	0.261022813	-4.957026e+00	-7.407590750
## 1341	0.896605626	2.252692862	37.988885315	-1.048142e+01	-3.053984343
## 1342	5.976337893	2.691946840	1.907514437	4.512403e+00	11.296205972
## 1343	-11.542817706	-6.251105099	5.175093388	3.664770e+00	-5.588227583
## 1344	6.046334164	3.431524143	0.771453123	1.493559e+01	-3.434399405
## 1345	13.627816166	1.097558504	-2.992284827	1.020361e+01	0.065837333
## 1346	7.886473469	-0.643633341	-7.067087662	1.016883e+01	-11.709682571
## 1347	3.304253748	3.749057736	-23.159216959	3.347579e+00	-5.523775910
## 1348	-7.836970690	3.361736336	-2.502009070	1.934497e+01	1.622533325
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## 1351	6.179374890	14.844467798	37.775361354	-7.400012e+00	-2.767813274
## 1352	13.806488597	-2.055530820	-2.042534781	3.103310e+00	-9.579624133
## 1353	-8.115435390	4.383976428	-26.853736522	4.704753e+00	-0.742989022
## 1354	-11.468629709	-3.167564938	-8.039061355	1.686796e+01	2.057482079
## 1355	-6.405379994	6.893017907	10.288452584	-3.286130e+00	-7.086711913
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## 1361	7.906232417	13.333440617	0.256906381	5.035270e+00	1.084386997
## 1362	-7.751924808	-3.806194326	-1.715774003	-8.412708e+00	6.966288862
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## 1365	-1.423767078	4.347783311	17.274890542	6.448730e+00	-2.624538436
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## 1367	5.211520155	12.188960612	-26.246943142	6.862019e+00	-4.446392004
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## 1370	-6.127617402	-1.094969619	-15.021246612	-1.608038e+00	4.629451841
## 1371	7.739374244	-20.162416270	13.155976581	-2.205724e+01	7.604110411
## 1372	15.787768514	11.216997511	10.383972169	-3.229118e+00	-7.152398914
## 1373	-8.912987262	-4.193540515	11.392096820	9.425143e-01	-0.822885359
## 1374	19.602068954	13.120618398	9.637562238	1.057177e+01	0.070533055
## 1375	-0.319094306	-2.148910043	2.331985525	1.445777e+01	-0.378062410
## 1376	6.703350127	-1.337449168	9.496050165	-4.775764e+00	3.044215040
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## 1380	-5.140420913	5.824147214	-7.634543472	1.623676e+01	2.978199272
## 1381	-1.076449535	2.303635671	7.597019433	-2.191602e+01	-0.722394524
## 1382	10.144459210	-14.729308319	15.257816205	7.393689e+00	-4.381074659

## 1383	0.200921932	9.288594773	-16.828495072	1.113736e+00	-9.298933332
## 1384	0.854311527	-5.960779247	-8.611314369	-1.008456e+01	9.084642609
## 1385	1.691211589	7.293423763	-7.098931884	2.017909e+00	9.638884481
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## 1388	2.314547458	-11.247927836	-2.893267591	3.550424e+00	7.129788924
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## 1390	5.968369094	-3.726880399	15.593142562	-9.483534e+00	5.096152644
## 1391	-8.465705591	7.789742955	23.899050360	1.176243e+01	1.512242354
## 1392	-0.110053924	15.934437612	14.211877315	2.505549e+00	-0.250352374
## 1393	-0.381950766	4.241755652	-15.862410660	-1.156180e+01	-3.277826395
## 1394	-1.972740676	4.049561732	NA	-2.611895e+00	5.082626181
## 1395	2.342209388	-2.693812995	-4.329322813	-1.119085e+01	-14.573881039
## 1396	-4.782516312	2.986502786	-15.211209631	-1.715792e+01	6.836161762
## 1397	10.676744451	-0.699848913	-11.302627861	-5.595705e+00	-1.874873420
## 1398	10.918698069	4.045208213	26.702095088	9.737582e+00	-7.631396716
## 1399	4.973721727	-1.413167361	-5.606964125	7.519792e+00	-1.067877832
## 1400	-2.738654886	0.054006888	-3.801079403	-4.266938e+00	-5.118654936
## 1401	15.437413293	3.175799643	-23.265943690	2.723227e+00	0.282002194
## 1402	0.441626950	12.036633395	9.691526865	-5.284835e+00	-13.835161164
## 1403	5.605203888	12.561728889	1.620417313	4.172398e+00	4.127107695
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## 1405	-10.088303225	10.189747177	-1.738770416	5.605720e+00	-6.800709289
## 1406	-13.610533963	-6.357450211	6.505243270	6.923448e-01	-1.775637321
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## 1408	1.958970919	1.399468302	9.478489784	-7.178120e+00	0.309344137
## 1409	-4.099911807	4.339847897	-12.205518756	7.904943e+00	7.989829757
## 1410	7.185488792	-13.890899883	-28.821559507	-9.951824e+00	10.179020124
## 1411	-3.927260012	-0.169836535	-15.431475114	-3.436610e+00	-1.285408712
## 1412	10.533094166	-0.568891281	9.697743931	-6.679965e+00	-5.495935174
## 1413	0.159804579	5.691501080	-12.837136099	-1.047417e+01	-10.729993425
## 1414	13.557065884	-11.894474020	5.871677632	-1.316981e+00	7.747959849
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## 1416	11.872985479	17.355879487	-9.955845073	-4.260121e+00	5.792302879
## 1417	-11.465085220	15.365673249	10.068463489	-2.830449e+00	-9.055701314
## 1418	-11.954369220	-11.670983860	-23.519630236	3.464976e+00	-2.883234095
## 1419	3.854658706	-0.469456945	7.680689888	-1.769339e+01	3.845546477
## 1420	0.490746889	1.808771777	-10.987020163	3.794358e+00	11.919162663
## 1421	-2.471340943	14.306851418	12.853857778	2.993035e+00	6.451567889
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## 1425	-6.772037072	0.807251278	0.971925870	-1.574868e+00	6.040584432
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## 1431	-5.603357194	-1.968347269	11.357214718	1.757946e+01	6.522023916
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## 1437 1.286687714 -10.879179577 -16.677082648 -7.741849e+00 -10.966713720
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## 1470 1.350859184 4.624666411 -2.679122153 -1.255656e+01 4.785631647
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## 1474 -5.597313676 -13.068624506 12.390336934 -5.345693e+00 2.058791587
## 1475 -12.024655450 -4.494285558 26.849745236 4.581818e+00 0.562687098
## 1476 1.343308754 4.661615656 -2.440732191 -1.915241e-01 13.523106911
## 1477 7.757990799 8.423532648 -7.613749979 7.333752e+00 6.420107651
## 1478 6.290018352 -0.571362138 -10.129429704 -1.207902e+01 -2.195624094
## 1479 -8.277648678 1.078091543 5.625421863 1.454238e+01 -18.836417026
## 1480 -2.504925412 -3.509677549 29.439886351 -1.546591e+01 3.264486445
## 1481 2.236052990 -5.317959562 6.585776373 1.931055e+00 0.770530915
## 1482 -4.074199351 -8.235100667 -34.552000093 -1.432681e+00 -12.346838229
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## 1484 1.285864426 -2.864824110 6.899485815 -1.344829e+01 -6.322327615
## 1485 12.083294510 13.103934880 -14.984538048 -4.598273e+00 -0.243753887
## 1486 -7.770443706 14.530906354 -16.748837301 -9.557809e+00 6.757817004
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## 1489 9.010886857 -2.227904268 45.876277153 NA 12.625524468
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## 1491	-3.674407729	-4.373785737	-4.723500069	1.446425e+00	14.037357491
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## 1499	-6.347906194	-5.068204627	0.468309947	1.452809e+00	-11.855526898
## 1500	0.821303573	-3.686838423	-23.151400239	-6.413210e+00	-17.728875001
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## 1504	6.874647673	5.104069292	8.584443974	4.782641e+00	-0.192748478
## 1505	-8.077443337	-14.458718866	-7.237498059	1.258139e+01	-2.419298633
## 1506	-8.440907583	-10.958224519	9.847776729	1.379771e+01	8.190406488
## 1507	0.574873851	2.208317051	7.524401646	-8.884295e+00	7.645719873
## 1508	-12.414215413	16.882720428	-7.062865447	-1.104947e+00	0.039914862
## 1509	10.654240935	6.089909126	-25.785049126	4.669025e+00	7.411010251
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## 1511	-2.202169474	2.716725065	-8.006251992	9.442033e+00	-0.696814792
## 1512	-17.145793613	-10.338973402	-12.665588358	-8.148192e+00	-13.082241953
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## 1517	5.133930911	7.681877157	-17.453277566	5.032942e+00	0.008261337
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## 1519	1.642686761	-5.503020759	7.196655676	1.098364e+00	3.436739207
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## 1523	6.724643925	-8.240830985	-8.358510806	-8.984725e+00	10.634054024
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## 1525	10.976164195	3.133304790	10.929121365	-5.091201e+00	0.744349501
## 1526	9.431995826	-0.525360906	-35.635209873	6.481494e+00	6.900621898
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## 1531	15.574601956	-15.900480011	-19.957283037	-1.308488e+01	6.195327479
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## 1533	-5.703317027	-13.112835096	-3.639198290	9.490449e+00	-7.073112106
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## 1536	5.432315797	4.203347950	1.618357965	-3.017760e+00	2.445435804
## 1537	0.884543613	-18.289677028	1.147439686	-2.220560e+00	10.681758373
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## 1540	-10.583507431	0.247718008	28.383484753	-9.949825e+00	-4.324190368
## 1541	-17.044253749	3.883101378	-13.373168939	6.454683e+00	-17.038376961
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## 1543	-12.180076696	6.942541710	-35.287565200	6.663771e+00	2.936900709
## 1544	-0.568239606	7.678129407	-3.774430941	-2.672653e+00	-7.517295483

## 1545	8.480792951	-0.185503206	8.257495485	-4.463896e+00	-2.809319628
## 1546	-7.552554562	1.666356896	18.332015050	1.956392e-01	7.880327587
## 1547	10.005226490	-2.656420881	-17.815265402	-3.376295e+00	-0.497748515
## 1548	-4.669743808	5.851259640	-8.970399842	2.593458e+00	9.377722970
## 1549	-3.979237327	9.057625242	-29.632721893	-3.408458e+00	1.408217340
## 1550	5.285476469	-24.342305384	-11.851548415	-7.887702e+00	6.340466238
## 1551	-17.092266705	15.493779212	19.662248234	1.715212e+00	-0.383560347
## 1552	0.931820059	-12.426804813	-15.653282323	-8.835128e+00	-6.890832032
## 1553	-2.708634405	-3.434721182	-3.573762527	-2.195549e+01	9.413346371
## 1554	-4.802851200	0.483994073	-14.555369676	-2.631077e-02	-8.207300602
## 1555	0.515788298	-14.873528408	-0.082086186	-3.200265e+00	9.648012263
## 1556	-12.782886304	6.263511958	16.815331756	7.582818e+00	-5.321007563
## 1557	8.941624635	-7.813644263	24.671732708	8.066457e+00	-5.940563468
## 1558	-3.857484773	-2.270995565	-3.163192482	-1.228216e+01	0.809200307
## 1559	-18.929151819	5.228212569	-8.488504033	-1.246015e+00	-1.143378790
## 1560	-11.780658508	9.113115382	6.187423689	-3.282714e+00	6.201245160
## 1561	-4.231029428	-13.648253447	-11.370816377	2.402023e+01	-2.804257390
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## 1577	-6.205967049	12.952926759	-18.973137320	7.797792e-02	7.415198884
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## 1580	-8.495400367	4.640042729	-15.576764982	2.240270e+01	-0.979018810
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## 1583	-6.577441781	-9.127308538	15.867509023	3.955223e+00	1.962933651
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## 1586	8.411396667	-0.496942038	9.461051658	-5.485299e+00	2.030222229
## 1587	-15.461926918	4.267511634	8.738540510	9.431339e+00	-3.083811918
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## 1594	0.952871864	3.591214578	-6.477650811	7.156485e+00	10.303641757
## 1595	2.073888497	8.826143435	10.385855354	-2.897725e+00	14.687509116
## 1596	1.880768216	16.902093634	-8.112499038	1.615091e+00	-0.880490164
## 1597	5.475485810	5.219232774	-13.090016255	-8.995619e+00	0.914847377
## 1598	8.415953032	-2.806253002	-26.646416750	-3.938737e+00	8.490140809

## 1599	14.523667389	3.050191328	-7.491941411	8.033494e+00	-2.821016076
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## 1615	6.208130364	-4.191467816	-2.455737914	-2.127193e-01	-0.959238609
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## 1617	9.552112072	21.145504739	-10.300473842	1.373661e+01	-1.697625580
## 1618	-2.221863724	8.514620762	-25.075274152	1.030963e+01	-0.787505115
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## 1620	-3.937416524	-0.330250399	-19.726035302	2.671678e+00	14.565536325
## 1621	-7.951099785	8.045771931	-3.322992616	3.894334e+00	8.500588097
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## 1624	1.231514500	-3.359858829	-7.231499236	-5.773618e+00	7.552267386
## 1625	0.354188824	-13.609900460	3.936181451	-2.513687e+01	-7.404542218
## 1626	-2.615878136	-7.304206604	-11.710588470	-1.221665e+00	1.352297834
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## 1628	-7.208589384	1.247221202	-18.157435169	1.242629e+01	-21.434399862
## 1629	0.653654496	-5.611007208	9.544583256	2.852757e+00	-4.425621460
## 1630	-6.550704288	-4.495241476	8.059262825	-4.701981e+00	0.087002504
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## 1632	-2.089647087	-4.763017423	1.808902937	-2.789191e+00	3.849521321
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## 1637	0.273931898	-14.230593969	3.454562942	-9.633268e+00	12.592502612
## 1638	-3.475506053	5.478622463	-7.922152438	1.436180e+01	-6.342627484
## 1639	3.674816072	6.322022602	-1.500722023	2.681092e+00	0.682141379
## 1640	7.687849766	-10.688511740	-10.254167401	6.180163e+00	-4.664641041
## 1641	-7.754039370	-2.938857243	-6.896988308	1.399190e+00	-6.381542472
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## 1649	-1.924597676	-1.519702378	-12.882741316	-2.112932e-02	0.110312520
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## 1656	-9.109400954	-7.734848400	4.886786914	-2.460983e+00	-4.859380175
## 1657	5.645816650	-5.946633010	18.908797056	-4.030764e+00	-5.137486507
## 1658	-8.186287548	-6.422180188	-4.738341711	9.604827e+00	-11.961369970
## 1659	15.851052365	2.956802198	37.833051937	-1.421925e+01	-8.239586677
## 1660	-8.901940979	-7.065943272	13.550524399	-6.554479e+00	9.173540065
## 1661	-10.486690270	3.143303152	13.922120040	7.994568e+00	-2.530786858
## 1662	-6.869258388	2.536575112	-11.771648042	7.259231e+00	-7.666896165
## 1663	8.141184221	-8.322173278	7.273671516	-5.285717e+00	15.305908089
## 1664	-20.924413738	-0.890985003	-11.471530275	-1.548783e+01	-2.412059148
## 1665	7.293684819	-2.348159113	10.657249011	3.726758e+00	5.952182280
## 1666	-5.477572399	8.785858556	20.389555184	1.532933e+01	-4.155458157
## 1667	-11.576691721	-14.908038693	-7.100600439	-1.888475e+00	5.191496284
## 1668	3.492396700	-6.873583307	-10.420551302	-6.924200e-01	1.351904489
## 1669	-10.261446322	0.581765381	-10.742433032	-5.367821e+00	-3.284184804
## 1670	2.187703413	19.907033634	-23.785592154	1.212345e+01	10.311934124
## 1671	3.569590765	-16.392459617	-19.958085950	-4.815355e+00	-4.411319351
## 1672	-5.319964681	-22.854894382	-1.964394119	1.305830e+01	12.820053294
## 1673	8.075484487	6.354327789	28.404515104	-7.159822e-01	4.076118534
## 1674	8.649671355	6.499321481	-29.715838524	-7.137395e+00	7.825720774
## 1675	7.122857306	-5.025315565	15.630960474	3.286509e+00	-5.512327111
## 1676	4.450424842	5.370110403	2.990906103	-1.636047e+00	4.379440734
## 1677	-9.154875924	-13.995662329	-13.050835018	-1.192404e+01	-5.384632466
## 1678	-2.455227218	10.109916967	-1.162324879	7.470994e-01	-5.031448895
## 1679	-1.583918211	10.104758412	11.769486665	-6.395871e+00	13.888248555
## 1680	-13.691413285	-3.927653488	-10.646387738	-5.518769e+00	-5.447687718
## 1681	6.701947217	0.395272718	-6.385183696	2.234452e+00	-9.165157413
## 1682	5.275055607	7.322389193	-12.540432271	9.757095e-02	10.120638739
## 1683	2.356632432	16.983722189	24.557221203	1.212130e+00	5.898894622
## 1684	26.014229014	3.388801744	29.981002728	9.500422e-01	-7.970705880
## 1685	-11.525151483	7.242877512	1.655394246	2.199762e+00	3.113351336
## 1686	-10.895389674	9.855958870	0.626513579	1.670327e+00	3.808633376
## 1687	-19.856686756	-8.674715400	4.278601005	1.525884e+01	1.839380097
## 1688	-6.188724921	5.727160261	-3.988526596	-1.772510e+00	-0.559598384
## 1689	-1.657072237	-1.097574966	-1.870886958	-4.829885e+00	-10.306253334
## 1690	-2.853674066	5.622559455	12.300036384	1.342843e+01	-4.595000465
## 1691	-13.848556899	8.339182854	1.926224298	-2.293445e+00	7.634756239
## 1692	-20.812733698	-5.839713189	6.034447076	2.247415e+00	3.566320555
## 1693	-2.100282747	7.378812843	-2.440192035	1.206226e+01	2.775754929
## 1694	-1.954661307	-3.586412069	-31.089825728	-9.849789e+00	6.913979863
## 1695	9.731783496	-4.017426696	-33.032968772	-6.292763e+00	6.911511459
## 1696	1.661967397	10.846031688	15.867027231	4.954130e+00	-2.686700374
## 1697	13.300086205	-1.944418247	10.066400111	-1.806243e+01	-4.919015659
## 1698	8.818271503	8.253506365	7.963230327	1.023909e+00	-6.294996528
## 1699	-1.553304903	4.448170147	8.066512120	-1.048231e+01	7.828740122
## 1700	0.977005062	6.778655111	-1.871718036	3.801554e+00	-7.946108318
## 1701	-19.838859747	4.957182214	-6.632334400	-5.229236e+00	3.612983152
## 1702	4.001100704	17.242071192	6.783806391	-1.159919e+01	2.517777007
## 1703	-2.124006244	-6.719166118	-10.608941515	2.697065e+00	-3.428777424
## 1704	-3.990086400	-2.245778052	7.054716949	6.321965e+00	-3.856892105
## 1705	7.800678679	-2.388838179	22.226826092	5.771102e-01	-6.310780578
## 1706	15.219682952	1.066811192	23.617772770	1.035541e+01	3.174026599

## 1707	-13.041024320	10.799749506	-4.719260956	-7.858015e+00	-6.932568221
## 1708	-0.456657081	-6.715829196	19.231184391	-3.431987e+00	5.006455437
## 1709	-13.014279214	-4.568766383	-14.802133171	7.149204e+00	14.278359240
## 1710	13.617086209	0.727903506	-17.790239422	-1.668060e-01	-9.408017524
## 1711	-3.547856854	-18.647931228	-8.171682994	1.921907e+01	2.803426380
## 1712	-5.919151639	-6.450654796	-17.606773553	5.784204e+00	0.446744255
## 1713	10.931037554	2.054195547	17.347075345	-8.999212e+00	-8.663664180
## 1714	9.079934377	9.169013882	-14.081676424	1.163893e+00	-2.430911372
## 1715	7.109306715	1.427432223	2.709015274	-5.374475e+00	-2.697984781
## 1716	0.779066617	18.219206345	-5.103011428	1.082349e-01	-2.694136250
## 1717	-3.873034257	4.018623982	-1.843538644	-9.225178e+00	2.710072438
## 1718	-2.368582941	3.680624998	18.091913098	-1.491600e+00	-9.674519943
## 1719	1.049868380	12.147648970	-12.371384791	-2.284095e+00	-1.714605042
## 1720	6.070563388	-8.702610832	-32.826412526	2.041800e-01	-6.364836452
## 1721	-6.477384676	25.131454605	-28.226586923	-5.202412e+00	-2.928352391
## 1722	-0.562284086	-4.464107330	-2.336240296	-1.571793e+01	5.748326365
## 1723	-5.086574022	5.331799337	-9.124236326	1.183660e+00	6.579018822
## 1724	-9.978487084	-4.987586329	-12.488662838	-1.243203e+01	-10.250325823
## 1725	5.153321548	-7.381873770	-3.983398501	1.017178e+01	-2.054018664
## 1726	-1.323574420	0.495555429	23.742250815	-6.168492e+00	-2.891883751
## 1727	-10.734167101	10.585383799	9.157019538	7.921374e+00	6.057094681
## 1728	-1.861658307	3.174269035	23.808469094	-6.957485e+00	8.265217533
## 1729	-2.464686326	6.232439903	-9.273365546	-1.587365e+01	8.672446885
## 1730	0.060974575	-2.508541083	2.192870442	3.728812e+00	-8.507613774
## 1731	-1.793388566	4.944094533	20.148798387	-4.924357e+00	-8.148581182
## 1732	-1.066091850	4.472816849	-14.862410075	-5.968449e+00	-6.269237840
## 1733	-13.264985335	-10.578758432	-4.035588683	1.086095e+00	2.544990523
## 1734	0.057873105	-9.181367308	-12.156577941	2.963290e-01	2.143596090
## 1735	0.138378550	-0.411154602	-2.554893715	9.864766e-01	2.029109409
## 1736	3.057277734	4.041047075	16.387281914	2.834139e+00	-2.676987669
## 1737	-1.157103933	1.778298027	1.754425135	5.125821e+00	7.796218879
## 1738	-7.498214988	-4.986860645	-5.940669151	-7.939826e+00	7.825693468
## 1739	6.164286042	11.073930625	-21.621680730	9.239480e+00	15.174009259
## 1740	6.920021789	-11.818604274	17.757448725	4.522599e+00	7.999490700
## 1741	-11.879203286	-12.874381835	-1.328360210	-1.404033e+01	-6.500680102
## 1742	-7.459794779	-2.812015575	-29.768589449	1.018034e+01	-10.728994066
## 1743	-6.094240479	7.704748892	17.299029405	7.759850e+00	-4.308965204
## 1744	-12.272373333	0.349077140	26.341228138	8.392841e+00	-9.340293802
## 1745	-4.573750944	15.897550503	-6.240839220	-1.886380e+00	-3.119096094
## 1746	2.322853531	14.336989288	-5.394275502	-1.195096e+00	14.310346546
## 1747	-1.830939718	2.103110378	18.817212401	-2.147134e+00	12.865083497
## 1748	1.446389177	1.062182441	-2.433347162	-1.028872e+01	10.922337260
## 1749	3.518436938	0.568592840	-11.254307911	8.869700e+00	2.861201267
## 1750	4.663425755	-5.006127904	4.011700559	-8.849857e+00	-3.866609774
## 1751	-2.536807851	-8.134437421	12.568304938	-1.329718e+01	1.839436612
## 1752	5.367571641	3.481834105	25.245971383	1.278918e+01	-0.753974523
## 1753	8.047833587	-7.453949443	14.240802563	1.943567e+01	-4.416064324
## 1754	-8.249585927	1.255041945	11.485022792	-1.994352e+00	-1.550006253
## 1755	-5.812486515	-2.727425172	-22.955176171	-5.275276e+00	-14.184451170
## 1756	0.655473692	6.028077906	-17.901673339	-1.410238e+01	-6.069076495
## 1757	4.230831168	-0.447814049	-14.645997325	2.625279e+00	-3.661587120
## 1758	7.020557173	-22.150246836	-9.157763417	7.575796e+00	-9.392639164
## 1759	-3.325631723	-9.700543044	-20.535499463	-1.459308e+01	0.624167601
## 1760	4.886874926	3.156409326	-2.605412426	6.715150e+00	-0.945702666

## 1761	-5.668069191	-0.721123081	-25.595151365	-1.477040e+01	-11.706818502
## 1762	-1.744953356	2.323808716	4.060403816	-2.185517e+00	-4.866785077
## 1763	-6.210189013	7.066931195	-1.948682262	7.396232e-02	14.928580036
## 1764	7.333163931	-8.715197106	11.484469735	-2.222311e+00	5.570595061
## 1765	-15.904220482	-0.654779873	-38.492327827	1.719574e+01	-9.883749591
## 1766	1.649216463	8.749551982	8.934274220	1.276391e+01	9.624274694
## 1767	16.576648503	8.521658159	18.935683673	4.551914e+00	-0.837769331
## 1768	-3.005063630	7.320042440	16.333198664	-4.662971e-01	-0.173487822
## 1769	-0.688830804	4.275535828	18.060680536	6.337231e+00	-7.030019715
## 1770	4.338349936	-1.127083823	13.896739998	3.626947e+00	-5.746173276
## 1771	0.968097856	-11.076663541	0.392799381	-5.902660e+00	-5.265728459
## 1772	3.286721800	15.358907638	-10.862980614	-6.912266e+00	8.038096927
## 1773	2.146290843	17.342879179	9.513395767	-9.886867e-01	17.788813066
## 1774	5.940362160	9.242538275	10.869345954	1.068474e+01	-7.362453834
## 1775	7.315572145	12.207943752	2.761006615	-3.302956e+00	5.801724696
## 1776	-8.985694860	-14.018716577	-2.001705538	1.030875e+01	2.695521343
## 1777	-1.269518873	0.204928261	-14.196578275	3.972065e+00	8.466924484
## 1778	-4.531735343	-1.464010970	-32.744180334	-4.244940e+00	-0.560656674
## 1779	0.858047997	-4.956259231	-13.956601072	-1.252505e+01	-14.966764823
## 1780	17.219132783	-1.365943505	-5.997199370	-8.532728e+00	9.395025691
## 1781	8.296060133	0.052305289	3.006093916	8.869076e-01	-2.043385658
## 1782	15.183475733	-1.673222039	-12.275539978	1.806289e+01	-1.976702936
## 1783	1.892852585	-4.414968660	26.893164964	2.292561e+01	4.762004542
## 1784	-1.261047525	2.767882803	22.285481949	-4.057985e-01	3.484889123
## 1785	-0.594154032	0.363517292	3.158171354	-4.098471e+00	2.374604320
## 1786	-4.944744941	-5.817147401	-8.330111127	-6.571600e+00	6.751990316
## 1787	6.276220043	-5.779457296	-29.396738982	-1.624295e+00	-0.042395297
## 1788	7.017465166	2.970172111	-3.937964729	-4.005027e+00	4.754907832
## 1789	3.991293741	-11.419863937	24.997164671	-1.583237e+01	-3.901990933
## 1790	2.891802000	-12.364971314	-4.544925253	9.001028e+00	11.326264905
## 1791	2.009082786	14.977851615	-0.789845813	9.376735e+00	-1.823010388
## 1792	2.596313504	4.853865258	5.477110762	1.073685e+01	10.523984106
## 1793	4.320652278	-7.917125538	15.385762322	6.533355e+00	27.719153095
## 1794	-7.925740668	5.958043736	-6.460141310	-7.788976e-01	8.519515522
## 1795	3.254810329	-4.484807280	-10.461937942	7.141625e-01	2.579454566
## 1796	0.119654304	11.013719166	4.458936854	-1.122003e+01	9.599177937
## 1797	-0.367259928	20.856661037	-6.509063090	-1.606534e+01	1.570924934
## 1798	-13.152352928	0.924343266	10.273031861	-1.508106e+00	3.957167875
## 1799	-0.303824914	-3.372495972	-19.010089351	1.387093e+01	6.625213919
## 1800	8.630565131	-7.254741501	-1.224284762	-2.784239e+00	2.933527029
## 1801	8.534979404	-0.691701306	10.640346023	-1.510084e+01	-8.227550273
## 1802	-5.814413462	1.854899999	-0.570522112	-1.512904e+00	-5.176783356
## 1803	-1.330083796	11.172065635	7.722427430	2.882655e+00	-0.471691509
## 1804	3.292459048	-1.687172240	-0.535159984	-3.399754e+00	7.228979548
## 1805	-4.983163359	-3.226473079	11.615687417	-1.217396e+01	0.424514957
## 1806	0.255565335	3.392829821	14.434027839	4.151793e+00	13.945215490
## 1807	-8.454510527	3.069880776	13.329715042	6.329322e+00	14.416406313
## 1808	0.869860917	-5.048271621	30.008307739	1.613257e+00	7.386786980
## 1809	-0.155728170	-4.764397249	4.602441239	-3.401595e-03	-0.182985143
## 1810	18.055545149	-4.651229835	4.026067856	3.730919e+00	10.194656734
## 1811	-4.806750449	-6.418611879	18.924649758	4.149890e+00	2.737636362
## 1812	-11.592488097	-11.594403469	-7.729187310	1.176154e+01	-0.471699588
## 1813	3.428695888	17.255047031	4.123287788	-3.365312e+00	-13.342004779
## 1814	4.680177414	-1.943601320	6.943253883	2.241420e+00	13.349848723

## 1815	-5.517038015	-8.870709472	33.164857623	1.572107e+01	-2.779102906
## 1816	-3.678606145	11.434085136	-4.717276729	1.448409e+01	-9.961751021
## 1817	-0.935397266	3.217643137	22.299420821	-1.724685e+00	-6.810125719
## 1818	-1.363837898	-9.295484341	-12.604263868	-2.157787e+01	2.382167703
## 1819	3.843051681	-10.191339257	-3.875959664	-3.413749e+00	-5.679094826
## 1820	14.771082292	-18.899817114	-6.103063650	7.321323e+00	5.207507440
## 1821	2.323755006	8.807475237	-7.208590259	8.045076e+00	-8.509066114
## 1822	-5.202934325	19.054841087	5.887552589	-7.210614e+00	2.088651317
## 1823	1.278420384	15.458897930	-3.469703892	-1.529264e+01	-0.004323375
## 1824	1.704525576	-1.495127652	20.740927563	5.458745e+00	1.706204164
## 1825	-8.540587008	-19.963992342	9.999861352	-5.633994e+00	0.436309783
## 1826	7.453831017	-8.188048877	-4.722062583	4.591108e+00	3.427359926
## 1827	14.145695750	-18.157940233	-9.052938273	7.500231e+00	6.045809083
## 1828	-3.494065740	9.288575974	21.858298675	2.912608e+00	9.363031224
## 1829	-10.204928070	-2.482839191	-1.805983612	-5.517306e+00	-2.894421837
## 1830	-2.518936633	-14.535210210	-5.937519001	2.972057e+00	3.243640805
## 1831	-6.618267293	2.294022470	-8.220225032	3.194590e+00	11.367949344
## 1832	-2.142847277	9.080004812	4.902460276	9.477777e+00	9.477892072
## 1833	2.259792750	-4.050891154	-18.516435978	-2.307294e+00	11.167245964
## 1834	-7.605011725	12.882721706	-13.890285700	1.143373e+01	-2.274666088
## 1835	6.291941326	2.878992334	-19.200344461	1.020740e+01	-0.846577124
## 1836	7.898560155	-10.451298707	6.150502040	2.410838e+00	5.453306193
## 1837	5.689044208	-7.561981767	18.713863809	1.706586e+01	-5.758402903
## 1838	-3.149616045	-3.375701468	14.248026964	-1.823593e+01	2.788125480
## 1839	0.832012478	0.267527091	-1.419988124	1.710822e+01	-9.170707754
## 1840	-3.008802392	17.964298798	-4.862136603	5.339161e+00	-0.509136436
## 1841	1.410891461	7.244504961	-7.212862304	8.103284e+00	7.628039044
## 1842	10.334476528	-4.733634774	25.169904947	1.660732e+01	7.620788939
## 1843	-2.312906897	5.014955728	-14.448558278	2.955101e+00	-0.745737448
## 1844	4.474409576	0.770428551	3.341451504	-2.604328e+00	-7.997921867
## 1845	4.932900261	4.688782270	-5.729189413	-6.930397e+00	0.422817662
## 1846	-4.970180713	13.553672405	2.233893871	-1.228478e+00	9.385867658
## 1847	3.486748355	-8.381280274	10.397545207	-1.229321e+01	3.250355198
## 1848	-10.469591181	-4.624497781	-2.505854140	4.818792e+00	-5.647663211
## 1849	-3.468146706	0.363860071	-17.522548177	-1.186108e+01	-10.705360659
## 1850	2.098020570	5.603496250	0.817522810	8.318817e+00	4.145989136
## 1851	-15.817515316	-1.336622119	4.550494908	-3.684653e+00	-7.563799191
## 1852	1.895941538	-7.959519112	5.056900721	-2.346871e+00	9.334222563
## 1853	11.520575920	3.589154719	5.183290466	8.987691e-01	-3.601926596
## 1854	-7.164828853	-2.255001904	9.379911348	7.860770e+00	-0.756568229
## 1855	-3.776287752	7.562694908	-11.743226757	1.109078e+01	-9.334909447
## 1856	-1.115046799	20.546493555	-19.276142150	-1.208288e+01	-6.495049950
## 1857	-8.554743842	-18.237565187	-35.205887445	5.069272e+00	7.218128365
## 1858	3.105878026	4.616016131	16.483506107	6.071168e+00	4.663923857
## 1859	-14.621732562	6.247459075	15.134169382	3.817938e+00	1.705431500
## 1860	0.740222120	-5.488919569	20.538190424	1.863496e+01	-5.717043631
## 1861	-2.044927172	15.081178357	10.622730418	-9.055345e+00	-16.849258003
## 1862	10.080145984	-7.894742094	-0.314045127	5.890495e+00	0.342528459
## 1863	-0.721689320	-3.117143468	-11.272181353	-4.260805e+00	-8.305213054
## 1864	17.123987296	-5.314347119	1.524636095	-2.129383e+00	-1.069489941
## 1865	-0.083282477	-5.097462800	9.764666294	2.107055e+00	-1.718782484
## 1866	15.324108732	-4.893208755	-1.262498523	-9.898029e+00	-6.131453002
## 1867	2.400079944	0.082803273	-2.028102535	2.742543e+00	-4.924605096
## 1868	-13.054457311	-1.090427450	18.888448388	7.703192e+00	2.989861200

## 1869	2.284686035	6.309579797	3.237164537	1.290805e+01	2.042605212
## 1870	4.735059713	-1.940617538	-14.561119293	1.410231e+00	5.500933290
## 1871	2.584460468	-3.060624953	-2.796875646	-2.693283e+00	7.326488790
## 1872	-6.198138197	-1.440439394	-10.296902154	-1.039245e+01	15.019162200
## 1873	13.354074743	-7.853438430	14.750664519	4.806504e+00	-6.161398126
## 1874	-8.913262097	-17.513921736	-6.878641183	-6.832692e+00	0.090157203
## 1875	12.410376558	-5.932598351	-2.279410794	1.019278e+01	-12.481518477
## 1876	-2.787551123	-0.677750266	8.523723087	5.640221e+00	-12.775469307
## 1877	8.497704451	-6.550367310	-19.858719138	5.904158e+00	-2.331563153
## 1878	-10.060498662	20.226111475	2.827039081	-2.844091e-01	4.533489443
## 1879	5.790021819	-12.451743515	-4.026501099	-1.108245e+01	-1.200693391
## 1880	-5.948099908	-3.564325417	-14.256118023	-1.952292e+00	-3.284462262
## 1881	12.657293960	-6.685666840	7.227124606	1.251537e+00	5.642726327
## 1882	-1.095847250	18.564077816	-9.284147712	-1.261691e+01	4.678715180
## 1883	8.628419264	16.998717550	-9.997171824	1.114300e+01	2.357735891
## 1884	-6.479026409	-9.204302851	1.815039963	-1.014224e+01	-0.100586745
## 1885	-0.423039707	-13.319450656	7.822015710	-6.764365e+00	-7.357959059
## 1886	5.988339172	-12.108927303	21.771045290	-8.397284e-01	4.369314572
## 1887	3.145035066	7.148042038	11.628837221	6.689719e-01	-0.842013464
## 1888	9.822892364	-1.475068961	-6.760513577	-4.294051e+00	10.710958527
## 1889	3.069712187	-10.443036499	-25.322399958	4.388784e+00	-8.953209400
## 1890	15.877799760	-6.262078736	5.572367222	-1.020774e+00	6.615719223
## 1891	-0.644932258	-13.940891038	0.077391196	5.218927e+00	-10.255942230
## 1892	2.460917665	-17.519441546	-11.895718538	-1.412239e+01	4.786567875
## 1893	-7.933494282	3.168720884	31.814672777	2.605637e+00	2.133750603
## 1894	-2.911461841	-0.187718949	-30.705478561	1.044186e+00	-5.886009979
## 1895	-4.894889762	-22.890585528	-17.610903816	2.902144e+00	-7.730397385
## 1896	6.905668316	2.471893467	-23.346345198	-1.651474e+00	-5.870376250
## 1897	-0.940601197	-11.246673792	4.004543783	-1.446803e+00	-2.910578496
## 1898	-6.014971210	-7.428205956	-9.641817610	2.295690e-01	10.890138539
## 1899	-0.955071265	5.118568499	0.521117515	-8.517191e+00	16.423099081
## 1900	-5.042227172	2.532443401	1.857118498	6.350133e+00	-9.650314702
## 1901	-26.050516950	0.702476309	-15.642617903	-3.565231e+00	3.637394297
## 1902	5.954833423	-9.630612799	-8.780699135	-1.134774e+01	-0.918298771
## 1903	3.052121398	-7.571161740	-9.769341648	1.157560e+01	-4.732042112
## 1904	5.849270991	8.293802624	1.632302440	5.610812e+00	0.754073066
## 1905	3.445498992	-5.824322475	-2.643506637	-8.886638e+00	-1.015330197
## 1906	-4.546654224	6.223601377	-22.878051853	-2.072235e+01	3.644823910
## 1907	-0.545605192	-6.488198913	-2.457903687	-2.094704e+00	-12.502185020
## 1908	4.643678143	20.608822081	5.535738184	1.723704e+01	21.253218635
## 1909	-2.912044032	-9.145705175	15.075046290	6.656303e+00	1.804172897
## 1910	-1.499980108	-5.288861326	-3.095181978	-1.171988e+01	-0.830263907
## 1911	-6.678100470	6.163010310	1.636007822	-2.252030e+00	-1.976218523
## 1912	-13.584245687	3.489643604	18.963008350	3.392044e+00	-8.939294588
## 1913	-7.295460040	-9.932843551	-5.652226695	4.938950e+00	-1.073275425
## 1914	-0.000776381	12.186584913	14.143502022	1.360369e+01	-1.975206710
## 1915	2.057630526	8.133001221	-12.791261125	5.167145e-01	-0.451904600
## 1916	-17.593493595	1.122918980	-34.122200970	1.348865e+01	-3.975154802
## 1917	-1.326640635	1.234835042	3.840327325	-9.478432e-01	-2.699294971
## 1918	-9.233183346	-7.495544735	33.516422072	-4.827413e+00	0.010249522
## 1919	-0.455643686	4.300920073	-22.044767171	2.202636e+00	-11.266966201
## 1920	0.394226566	-3.091224600	-4.370120133	3.491892e-01	-6.016725999
## 1921	-18.483813638	-7.129446483	-8.101311915	-3.210089e+00	1.361324706
## 1922	-7.306473079	-3.250124936	-2.748030255	1.214422e+01	-1.693351039

## 1923	-1.684070963	-6.006425761	-8.603537039	6.567334e+00	-1.399064172
## 1924	7.937491583	-5.398917783	-34.637933066	4.411484e-02	1.771568302
## 1925	-0.322084859	-7.771308688	-9.257690928	1.992502e-01	-6.781035215
## 1926	2.930233770	-2.709456897	-5.080412651	-6.577905e+00	-6.829614675
## 1927	5.699798101	7.646942708	12.109605400	2.075974e+00	-5.900049118
## 1928	-7.373417371	11.094998649	6.192414112	-6.332616e+00	-11.747547882
## 1929	3.870021104	8.095586680	-9.656189377	-1.086765e+01	0.023785674
## 1930	-2.258888121	7.764478653	11.686916095	8.804952e+00	-4.500329059
## 1931	-9.234351498	14.758137428	-10.563585347	-8.945620e+00	-2.703232299
## 1932	5.390480263	-0.918612291	-21.185128522	9.453179e+00	6.273171292
## 1933	3.330658837	-13.949402559	-15.348404280	-9.791229e+00	-9.165911283
## 1934	20.673287438	0.770414054	4.307253173	5.950178e+00	-4.337334651
## 1935	-3.854005848	1.812146977	-1.087638232	-5.855791e+00	9.729613026
## 1936	-2.745384645	0.045085628	-11.264085662	1.505306e+01	2.685427352
## 1937	1.637328233	-12.650434457	36.898912185	-7.263990e+00	-1.405803944
## 1938	10.120354399	-5.661505215	3.428239606	8.939792e+00	3.139980779
## 1939	12.564583481	-3.536366151	1.528634937	3.554409e+00	-9.876887685
## 1940	-1.832169393	0.782722970	7.309394367	-7.784503e+00	3.198634738
## 1941	4.058694162	9.418658287	-16.918721142	7.703174e+00	12.352274852
## 1942	-7.530773371	-2.399552949	-1.019998914	4.412097e+00	-10.125337492
## 1943	1.725605444	1.228739014	-22.133142891	-3.106373e+00	-8.370490383
## 1944	2.866876500	-1.682061120	7.746008549	5.302658e+00	4.136426881
## 1945	-8.576575170	-15.206856743	-0.144716967	-1.681645e-01	0.834075903
## 1946	1.049136334	4.032058680	5.269097216	-5.929107e+00	-2.116970561
## 1947	0.178880231	-3.890794835	-10.943077464	-7.525704e+00	11.350366475
## 1948	-2.451036458	-4.555518400	40.738738323	2.100817e+00	-7.559726098
## 1949	-13.587867246	1.050194641	-1.541137977	-1.488438e+01	9.961465174
## 1950	6.321474879	5.129758953	-3.485345759	-1.436862e+01	9.060411679
## 1951	12.832499139	11.635066199	-6.709688893	1.393677e+00	-10.325178509
## 1952	-1.408384231	8.489090178	3.937060527	2.880461e+00	-10.861203548
## 1953	1.491615712	-4.945773304	8.354089134	-1.030997e+00	-4.258496471
## 1954	2.779484521	-2.797736484	14.887998012	-4.899502e+00	-0.264899389
## 1955	-5.469658636	-4.558656588	1.609693206	2.795891e-01	-8.006844039
## 1956	5.065393463	-10.322065292	11.158840513	2.115710e+01	3.159750273
## 1957	-5.519489517	-12.677796585	-0.857003327	-6.141180e+00	-5.438946937
## 1958	6.475995648	-4.499531325	5.348221982	1.070372e+01	2.615128892
## 1959	-11.663598438	6.064467454	14.723179328	-7.019232e+00	-2.261449590
## 1960	-16.614798359	4.019642000	5.889434028	-1.219464e+01	4.088350407
##	x15	x16	x17	x18	x19
## 1	-2.517678262	2.117910013	5.865923e+00	-6.666158e+00	1.79149748
## 2	1.503999870	-2.397836131	-9.301839e+00	-1.999413e+00	5.04525776
## 3	-2.192431075	-4.065428304	-7.675055e+00	4.041629e+00	-6.63362850
## 4	1.292361559	-2.496882289	-1.572295e+01	-2.735382e+00	1.11753617
## 5	0.472583818	-1.150096897	-1.411871e+01	4.527964e+00	-1.28437204
## 6	-1.055242873	0.685375021	-9.407338e+00	-2.437729e+00	-13.31306204
## 7	2.207394734	-1.339706873	4.677615e+00	-2.537034e+00	2.93585354
## 8	-4.790250154	1.920012183	-2.373553e+00	-1.917184e-01	-14.44619738
## 9	-5.009889792	-1.999416824	5.823884e+00	2.265268e+00	8.14857861
## 10	6.472047920	7.558717270	3.643169e+00	2.423871e+00	-6.20284373
## 11	-3.990201731	-2.497069445	-1.142079e+00	3.494120e+00	1.58246526
## 12	6.363459956	0.767329241	-1.287810e+00	-9.625197e+00	-4.25248498
## 13	-1.491090879	1.641727399	-6.281248e+00	1.084701e+01	-0.33317709
## 14	5.326830114	-5.206159149	7.687909e+00	-4.169373e+00	-10.30982157
## 15	-0.978774228	2.992892961	7.859487e-01	-3.745601e+00	-6.69638852

## 16	2.868860432	-1.859606988	8.904533e+00	-3.762004e+00	-9.63915289
## 17	-3.838455794	1.049149872	3.408787e-01	5.094724e+00	-5.72174370
## 18	-4.611382023	-5.285814625	-1.066431e+01	-5.701396e+00	3.16252445
## 19	8.180501713	-3.104368619	-2.227501e+00	-6.870440e+00	-10.27617750
## 20	-2.495447884	-2.285948794	3.713061e-01	5.174164e+00	0.54116064
## 21	3.194125824	-4.376537203	1.271908e+01	2.252876e+00	-8.01780999
## 22	-1.401776011	1.248799733	3.902254e-01	-8.115548e-01	-10.37665049
## 23	-0.008175031	-6.499303413	-1.208842e+01	3.079402e+00	-7.17758036
## 24	-0.201727158	0.846752050	-7.728510e+00	-6.994532e-01	-2.50060763
## 25	-1.302697818	-6.214546818	-7.512014e+00	-4.014131e-01	4.05166058
## 26	2.802819437	0.955744448	-5.868903e+00	1.009759e+00	-3.67631164
## 27	-1.790848204	-4.421253780	-3.583881e+00	-6.084827e+00	-3.12802567
## 28	2.012227959	-11.827131816	2.771066e+00	-1.333643e+00	4.80203739
## 29	2.747476091	0.795761485	1.419556e+01	-1.392283e+00	-1.44238510
## 30	4.389059827	1.547858843	5.035978e+00	-6.555562e+00	1.32849600
## 31	-6.311608497	0.537489480	-3.878115e+00	-4.755301e+00	1.08536867
## 32	0.786140893	-4.980519669	-3.586934e+00	1.559257e+00	10.87530397
## 33	-2.597973106	-5.050711199	3.236660e+00	4.339822e+00	3.46261824
## 34	-3.724518735	3.684096356	1.996178e+00	-1.261842e+00	3.03272438
## 35	-2.630953918	-10.699479773	1.514210e+01	2.018772e+00	13.90714084
## 36	0.745738501	0.346544033	-1.312307e+01	-2.440471e-01	-1.84968838
## 37	1.028969974	-13.670182768	1.738549e+01	-8.603085e-01	7.44701723
## 38	-5.935823543	-2.516716518	3.787324e+00	-7.466228e+00	4.52148967
## 39	-6.298113546	3.871717001	2.949759e+00	1.451546e+00	1.40701322
## 40	-4.514392705	-1.009290915	-6.540557e+00	1.144232e+00	3.90984309
## 41	1.473626995	-0.582269648	8.860034e-01	2.834507e-02	-5.76273862
## 42	5.440353068	-1.394057140	-6.094119e+00	-2.714578e+00	-7.25178003
## 43	-0.801864126	-4.787319330	5.020456e-01	3.188163e+00	-5.11983054
## 44	-0.336962031	-14.762028789	3.356544e+00	-1.096130e+00	5.38014050
## 45	0.996888896	-5.156503029	-7.614380e-03	-4.215317e+00	3.61012311
## 46	-5.227262850	-5.452177347	-3.495160e+00	-1.933248e+00	12.30264466
## 47	3.376199178	-7.454175839	1.808802e+01	-3.738640e+00	-4.47202250
## 48	4.726693315	1.919038319	8.041410e+00	-8.466158e+00	0.05319812
## 49	3.216886236	-0.232795042	7.170554e+00	4.314549e+00	-5.06626174
## 50	-0.786284004	-0.862182098	4.391335e+00	-6.054522e+00	-0.75412048
## 51	-2.348992271	5.150183300	7.405102e+00	7.384193e+00	-7.13435470
## 52	-12.883527157	-5.898327319	2.860703e+00	6.085214e-01	-0.68211288
## 53	-1.981946534	1.263198811	2.301137e+00	-1.060908e+01	-11.79196657
## 54	-2.032668897	-13.677063139	8.728683e-01	6.805040e+00	0.71762573
## 55	-0.508542768	5.897054718	-3.964537e+00	7.534283e+00	7.65985164
## 56	7.053843502	-2.428236311	-2.200969e+00	-7.647284e-01	7.03663174
## 57	-6.895753509	3.446482779	1.663680e-01	-9.429322e-01	-6.40358023
## 58	7.804801754	4.238606652	8.613127e+00	-1.066219e+00	-11.95207878
## 59	3.215126973	-0.091237237	7.282466e+00	1.109979e+00	-4.81979414
## 60	0.292903991	6.388029266	-1.487047e+01	-4.574880e+00	-1.08912684
## 61	-5.078630629	1.898557403	-5.699497e+00	1.477953e+00	9.11143815
## 62	8.579960885	-5.660195096	-1.427498e+00	4.413107e+00	6.45406670
## 63	3.452690834	-4.385402414	-6.863650e+00	-7.497311e+00	-0.27074831
## 64	-6.433113855	-6.529737359	-8.740541e+00	-7.582425e-01	-0.76529264
## 65	8.612623812	1.134360165	1.769345e+01	-3.414666e+00	-6.93841715
## 66	1.366364410	-4.995345417	6.072475e+00	-8.309545e-01	-9.99598110
## 67	1.602550947	-3.969692353	9.344704e+00	6.750824e+00	4.07200306
## 68	2.086351739	1.091233917	-1.217677e+01	-1.017423e+00	-2.62372026
## 69	-1.284295173	-0.144455006	1.345472e+01	2.305402e+00	0.44343511

## 70	2.258777150	-1.867659182	4.448603e+00	-9.430861e-01	-4.99734852
## 71	0.179133677	1.331550594	2.433243e+00	-8.151430e-01	6.82756822
## 72	4.655289676	-0.386402538	-3.818588e-01	-3.413256e+00	-6.66373098
## 73	-6.454767072	1.425534749	-9.354077e+00	1.221884e+00	-3.42337313
## 74	-6.833824084	-5.133444362	-1.364416e+01	-1.710526e+00	-6.58569139
## 75	3.150554542	-3.315276773	-3.719858e-01	-3.084412e+00	7.41799910
## 76	0.985702711	5.685955778	2.545175e-01	-7.941005e+00	4.70556061
## 77	-0.017026653	-2.445739758	1.463929e+01	-7.893573e+00	4.99259487
## 78	-5.632407672	-0.843368850	1.367082e+01	-3.594087e+00	2.77943696
## 79	-5.261725475	-7.777486300	9.220686e+00	-2.685342e+00	-1.46980212
## 80	5.214706375	4.297329866	3.692085e+00	5.405322e+00	5.67397102
## 81	-1.733316013	2.124658010	-1.452901e+00	6.717084e+00	-1.60498215
## 82	-0.697339517	8.658376425	1.411313e+01	-1.104509e+01	5.28932389
## 83	1.186992570	9.165576458	-1.747281e+01	-2.704563e+00	6.26389645
## 84	-3.374612067	-4.336896588	4.828155e+00	-2.651515e+00	14.10201996
## 85	2.008058615	-4.629815490	2.696327e+00	-5.008486e+00	-3.69143490
## 86	0.442521360	2.128564893	-7.972950e+00	2.509227e+00	-0.35920720
## 87	-3.849685810	-4.353645290	4.271120e+00	2.842383e+00	5.69701833
## 88	-3.728576771	9.179294929	-1.592786e+00	-1.606211e+00	1.30709351
## 89	-0.930378902	3.693379264	4.917770e+00	2.287371e-01	4.36224243
## 90	1.726151173	-2.501695059	4.023492e+00	2.387280e-01	9.89585036
## 91	7.237136288	9.306703608	-7.238341e+00	-1.994601e+00	-0.28729684
## 92	6.303205716	-9.572412005	1.155779e+01	-5.392004e+00	-9.39290671
## 93	4.301228316	1.817208388	7.693089e+00	7.264092e+00	1.90853840
## 94	-0.123793559	-1.749135745	9.382814e+00	-8.056079e+00	-8.16268677
## 95	-5.949543536	1.254026478	7.245668e+00	-3.078432e+00	1.86657717
## 96	1.737907476	-3.743975144	-5.574454e+00	-4.108566e+00	-5.23838979
## 97	6.725675992	-3.967796998	2.782470e+00	-5.597199e-01	1.33208716
## 98	2.002732460	4.396948303	3.021074e+00	8.179417e+00	7.05266367
## 99	6.154669559	0.247348648	-8.403264e+00	-8.114008e+00	16.25039826
## 100	1.366154737	9.642867806	2.993655e+00	-3.796681e+00	9.83792825
## 101	2.812482269	1.313794034	2.527003e+00	-3.776625e+00	-0.43528235
## 102	-1.387718285	4.433651160	2.774960e+00	9.712040e+00	-7.10440408
## 103	0.558598859	-11.614937142	1.038602e+00	4.482260e+00	0.72124650
## 104	-0.385358035	-1.879034786	6.651009e-01	1.153352e-01	7.32888076
## 105	1.269639989	11.068984701	1.253418e+00	1.913593e+00	-6.09050069
## 106	2.385183623	-13.637380881	-1.391266e+00	1.106306e+01	-7.59935475
## 107	-3.037639680	10.278751090	-8.126493e+00	-1.295387e+00	-9.32273058
## 108	-3.553901055	3.030076584	-5.362083e+00	2.090931e+00	-11.54909158
## 109	-0.371695533	-5.736709704	3.772642e+00	-2.369293e+00	6.16668100
## 110	5.052744433	5.661016636	1.133620e+00	-3.259360e+00	5.64492057
## 111	0.827709002	9.046657522	9.624401e+00	-1.263022e+00	0.32125025
## 112	1.012115294	3.009429436	-8.029720e-01	-9.275982e+00	-4.22858026
## 113	-2.138416793	-4.632229626	-1.374023e+01	-7.930420e-01	-1.94578194
## 114	3.918674717	-6.006937347	-1.312531e+00	-5.639094e+00	6.06517428
## 115	-2.656395470	-1.763468928	6.228113e+00	-3.784864e+00	6.54095206
## 116	6.032778920	6.867712349	8.932506e-01	3.439321e+00	-14.25168860
## 117	2.109964881	6.192576474	-9.993070e+00	-1.560036e+00	4.91249216
## 118	6.029442247	-0.666520766	8.414805e+00	4.089643e+00	15.02254053
## 119	4.168285542	-5.125530365	1.139881e+01	5.640309e+00	17.14023074
## 120	-0.465804466	-2.947237229	-1.080768e+01	2.856837e+00	-13.06991380
## 121	-5.254050178	0.898253778	4.518615e+00	-5.424774e+00	2.55134692
## 122	1.475337284	9.879794198	1.989373e+00	-4.129030e+00	1.32190473
## 123	4.915341561	6.086801444	-2.857524e+00	-4.266890e+00	-5.71076944

## 124	8.344128982	-0.339751953	-4.688670e+00	6.760660e+00	6.46371329
## 125	0.683016900	1.337873201	-7.477496e+00	1.863572e+00	2.32879915
## 126	-3.170183306	-3.527240338	4.289976e+00	5.647657e+00	-4.71156259
## 127	0.915305160	-2.099955277	5.260727e+00	-2.132495e+00	-2.80953756
## 128	1.733793274	4.733475868	2.959434e+00	-6.979828e-01	-0.91709857
## 129	-2.731298228	1.511367292	-3.245917e+00	-1.555105e+00	0.10731762
## 130	7.247186337	-5.149178716	1.802635e+01	-7.116280e-01	-12.54862773
## 131	2.989131896	7.199078360	3.200206e+00	2.123627e+00	-5.78040352
## 132	6.251823635	6.148751704	-2.070445e+01	2.453582e+00	-7.85126344
## 133	-2.753241510	2.879248757	-1.033036e+00	-4.560056e-01	1.95875417
## 134	0.493571738	4.189493239	3.025557e+00	-5.067294e+00	-1.58386698
## 135	3.484714678	0.145633894	8.174713e+00	-1.183029e-01	7.47897364
## 136	-1.881453741	-3.169410344	-7.985080e+00	-6.263117e-01	-5.95933574
## 137	2.549222999	0.157939790	4.253743e+00	-3.157819e+00	6.93928347
## 138	-1.903689270	-1.518227566	1.468272e+01	-2.307939e+00	-0.96934265
## 139	3.789033252	-8.810272744	7.574369e+00	-5.939462e+00	3.52613295
## 140	2.762229631	-5.651876978	3.762198e+00	-2.157536e+00	2.02310702
## 141	1.283458199	2.129580171	1.401616e+01	3.466480e+00	3.53655379
## 142	7.332041717	2.762107585	-2.071741e+00	1.153197e+00	3.54536306
## 143	-2.562194299	3.717110689	2.771936e+00	-5.738248e+00	-14.10869286
## 144	3.048547868	-1.824677947	1.834074e+00	1.621857e+00	1.50388768
## 145	-0.294455814	0.054151972	-1.115373e+01	1.668881e+00	-10.39060782
## 146	-0.796329831	2.146856028	-4.595245e+00	-3.615225e+00	11.44335434
## 147	2.699959497	4.936033503	2.057651e+00	-5.587184e+00	-1.95381534
## 148	-0.914301599	5.922771982	-1.872027e+00	4.531443e+00	11.99005263
## 149	-0.078228677	-8.658672085	1.866836e+00	4.186883e+00	-6.73374403
## 150	-0.894729787	3.323914936	-2.443133e+00	1.161766e+00	13.03626511
## 151	-2.944770314	-4.435380636	-3.444498e+00	-1.746379e+00	-1.99788480
## 152	3.706298147	-4.555485353	4.588869e+00	8.424605e+00	4.18647854
## 153	3.714684305	4.189758142	-1.190749e+01	-4.827106e+00	0.95650555
## 154	0.708654311	2.320068025	6.096503e+00	-8.406124e+00	4.30724126
## 155	4.078252909	5.766154402	-1.108879e+01	4.607854e+00	-8.96050924
## 156	-1.725905956	-6.765923578	-5.745391e+00	-5.704018e+00	6.05277962
## 157	-0.084760090	2.047640739	-3.264073e+00	3.464234e+00	2.31741163
## 158	6.056847342	3.666174430	3.214678e+00	-1.309441e+00	-11.23910765
## 159	2.653023219	-3.093020795	-5.126229e+00	8.404880e-01	-18.54823815
## 160	-1.418177263	12.573855053	-8.915584e+00	5.464665e+00	-6.94559294
## 161	5.934943247	3.474773793	-8.763077e+00	-6.874535e+00	9.57866689
## 162	4.053923352	-0.176835010	-2.781922e+00	-8.114011e-01	3.97612539
## 163	-0.389481058	3.236791084	5.680156e+00	4.259499e+00	5.41789604
## 164	1.311522985	-2.732723709	4.118690e+00	-6.622474e+00	-3.16500303
## 165	2.247718227	-1.902504315	2.259121e+00	1.697090e+00	-2.66064956
## 166	2.412868974	-0.155685475	3.213751e+00	2.927053e+00	3.32499570
## 167	-8.187241713	1.775379431	-1.089292e+01	-7.813141e-01	5.02372025
## 168	2.980442591	0.835974428	-1.187471e+01	5.660776e+00	-0.85195855
## 169	-2.620131570	-1.587790548	-5.017404e+00	2.706414e+00	-5.02193500
## 170	-1.020033662	0.686168152	-5.994887e+00	6.686211e+00	14.67732732
## 171	2.633690681	1.776369247	1.989661e+00	2.246179e+00	-6.36569861
## 172	-4.466399348	1.855475042	-1.407100e-01	-3.364296e+00	5.31101302
## 173	-7.495940258	-0.015049999	3.945224e+00	4.889712e+00	7.90963894
## 174	-6.051674413	1.501016653	3.504772e+00	-5.818127e+00	-0.43224808
## 175	0.743996178	1.501392489	3.144791e+00	5.686213e+00	6.51753853
## 176	2.262843984	-4.779597501	1.732646e+00	-8.500845e+00	-2.77980144
## 177	-0.891286651	0.830401634	3.166263e+00	-2.632046e+00	-7.64954006

## 178	0.494671810	-1.439627414	2.871621e+00	2.453794e+00	-4.84671251
## 179	-0.918524020	-0.737943382	-1.969944e+00	2.687480e-01	5.43304530
## 180	4.321222433	-2.823965399	-1.147098e+00	-1.161746e+00	-14.63310261
## 181	-0.924169060	-6.347407836	5.157536e+00	-3.994565e+00	-4.17892029
## 182	2.930671564	1.901972864	1.529557e+01	6.667990e-01	-4.36250737
## 183	-3.101937196	-7.454514139	-4.483592e+00	-8.717058e+00	2.28501627
## 184	-1.301036384	6.751061760	-4.982164e+00	3.167899e+00	-5.43334106
## 185	-2.820788266	-4.317044664	3.134885e+00	-4.618907e+00	-2.61605643
## 186	-4.079297421	-4.448534007	-7.594823e+00	7.679914e-01	6.45620009
## 187	-2.706680087	0.766666561	-4.782510e+00	9.240887e-01	-7.11712605
## 188	-2.823086826	13.789617055	8.345092e-01	4.644647e+00	13.93712860
## 189	-1.376305021	-8.420174590	7.214364e+00	6.067020e-01	-11.18493525
## 190	0.782451985	-6.246443062	4.954194e+00	1.109142e+00	1.70828272
## 191	0.856640191	-2.586730800	2.501420e+00	-7.541188e+00	-9.00067450
## 192	0.558461647	-11.166934292	-1.363605e+00	1.796365e+00	0.38668145
## 193	-0.260981822	0.673917702	2.484814e+00	-2.468047e-01	3.03334417
## 194	1.133147591	-4.688990909	-6.337112e+00	1.138584e+00	11.61333306
## 195	-1.468593013	4.872155947	8.244265e+00	-5.773959e+00	3.56744029
## 196	-1.785742597	-0.249751768	1.223831e+00	-5.483190e+00	13.31574909
## 197	-4.498323483	-3.927641578	2.281303e-01	-1.236584e+00	-7.10715656
## 198	1.008845667	-2.796621921	5.044821e+00	-3.707810e-01	1.36891428
## 199	-0.983360762	-0.683871768	3.753899e+00	2.961852e-01	8.29918176
## 200	-3.229219514	6.723926807	-9.735289e+00	-4.223607e+00	-2.21994279
## 201	-2.452789194	-1.200461260	-2.939570e+00	-4.165905e-01	13.05973713
## 202	-4.297944111	2.351092709	6.674548e+00	1.794265e+00	0.51388064
## 203	3.990660390	-10.935511263	-9.822776e+00	-1.045239e+00	5.21584964
## 204	2.110356577	-3.152634177	-4.118388e+00	5.770561e+00	-12.73690820
## 205	1.736040701	-1.405381894	-4.402618e+00	-5.880667e+00	-5.45350160
## 206	6.669153862	-0.727613902	2.443407e+00	-6.197494e+00	3.63729346
## 207	4.556038818	-4.626913240	-1.288260e+01	1.890643e-01	-9.82678965
## 208	-5.013012327	-6.005163891	2.283342e+00	-4.066260e+00	2.37925602
## 209	2.214720320	4.149297249	6.299516e+00	2.031406e+00	0.06506542
## 210	0.886908664	-1.287740058	3.537455e+00	1.428715e+00	-12.18035465
## 211	2.073905732	8.567423380	2.213584e+00	-1.120655e+00	7.25013328
## 212	4.640626656	6.024916099	6.796482e+00	-2.704744e+00	-3.89296075
## 213	0.756734728	-5.673738874	-4.846289e+00	4.772327e+00	6.63352832
## 214	-0.327317070	0.398027904	-1.642864e+00	-2.067500e+00	-0.35447796
## 215	2.271701849	-4.125625716	2.694477e+00	3.973456e+00	10.23100359
## 216	5.483826532	4.502502411	5.369897e+00	5.588726e-01	-2.50184236
## 217	-2.110990817	-10.801463853	-3.260581e+00	-3.758295e+00	8.55365782
## 218	1.736077491	-5.513535220	2.185980e-01	-1.627347e+00	-3.84605596
## 219	4.768684645	4.600360128	2.952176e+00	7.594586e-02	1.02194528
## 220	-0.769333264	-4.455929724	6.443821e+00	2.516295e+00	0.44786735
## 221	1.142469481	-4.058333436	1.100743e+01	5.446087e+00	3.90145851
## 222	-5.996017864	0.906340140	9.896371e-01	-8.507324e+00	8.65228741
## 223	3.944453510	-1.883236888	1.624760e+01	-3.290706e+00	5.92568261
## 224	0.836157464	-4.259754768	-5.248677e+00	3.169573e+00	-13.61565186
## 225	0.541376653	6.323457246	2.133735e+00	9.886491e+00	5.22654871
## 226	4.361380780	-0.166372814	1.687874e-01	-8.213271e+00	9.14349764
## 227	3.057276547	10.181659808	-6.407759e-01	8.042065e+00	-14.38482422
## 228	-1.235024410	-1.786943694	1.773850e+01	1.949479e+00	-5.47947877
## 229	1.490467123	1.520922373	-1.946586e+00	2.743658e+00	-5.40592977
## 230	-1.797150022	4.227200490	-6.714418e+00	2.158895e+00	1.58157186
## 231	-1.359603972	10.975193646	-6.017698e+00	1.012165e+00	4.88039938

## 232	-3.636635444	-4.003274298	3.359226e+00	1.788449e+00	5.65044576
## 233	5.462675419	-4.868687917	-5.412285e+00	-5.050397e+00	17.15837113
## 234	-1.918617094	3.938807664	3.509060e+00	-1.679426e+00	-8.38059849
## 235	-1.826026501	-4.060598258	-6.804333e+00	-4.119050e+00	0.61062622
## 236	-2.449990645	2.808920096	-9.691319e+00	-6.030735e+00	9.16986149
## 237	-0.072961089	0.677925049	1.537364e+00	-9.679137e+00	-0.39027932
## 238	-3.141070153	-3.191657988	-9.943598e+00	4.626470e+00	1.57233521
## 239	0.448012358	-7.977970279	2.038641e+00	-8.481545e-01	6.97943198
## 240	0.707982724	-1.980994776	-7.042559e+00	-7.784889e-01	-2.61069468
## 241	-1.888891115	1.890706604	9.714847e+00	2.991386e+00	-6.16863188
## 242	-4.300509276	-9.073353605	-9.659197e+00	4.880222e+00	-3.52151952
## 243	-0.721035481	4.353673428	-7.366863e+00	-1.370516e+00	-0.34804532
## 244	1.864093572	-2.468375505	-4.660450e+00	-3.119705e+00	-1.05948928
## 245	1.433663128	5.522781366	-1.438319e+01	-4.535165e+00	-7.77468633
## 246	2.120743708	8.025186986	-4.040213e+00	-8.772407e+00	-4.28929956
## 247	-2.078018199	4.738561022	-4.746143e+00	-2.056440e+00	-4.97028931
## 248	-4.721330030	-11.636219866	7.037064e+00	-2.353395e-01	-1.26143514
## 249	2.496413144	-2.521223197	-8.099580e+00	5.678553e-01	7.56427223
## 250	-3.434364621	3.418642552	1.377230e+01	5.730174e+00	6.08135751
## 251	0.838061196	4.373167594	1.447884e+01	-2.672981e+00	-1.63596157
## 252	4.356684942	-5.105792178	1.885373e+00	6.212827e-01	8.64108359
## 253	2.369243072	-9.722153700	7.693561e+00	-3.239671e+00	-1.60053801
## 254	-3.369355346	6.655060435	-4.949459e+00	-2.789000e-01	-5.01425752
## 255	2.205304607	-11.084620624	-5.872907e+00	4.037497e+00	-7.47132550
## 256	-1.381349810	-6.953464451	1.199573e+01	-5.723704e+00	-1.73434492
## 257	0.115687710	2.930319794	5.705012e+00	3.691067e-01	-8.85614871
## 258	-0.688431849	-1.128829417	5.850580e+00	-1.962357e+00	10.30839323
## 259	-4.923279502	0.022751951	-1.165106e+01	-7.417048e+00	4.70184426
## 260	0.078273837	-3.698054416	8.788294e-01	-2.772672e+00	-10.03001955
## 261	-5.513776897	-0.604256192	-9.848424e+00	-2.341332e+00	-11.89557301
## 262	1.688507290	-4.816681484	1.005722e+01	2.908097e-01	-3.82937957
## 263	-0.245400433	-6.992550447	-5.118525e+00	6.960365e-01	4.48201887
## 264	3.494011637	2.626711861	-2.051583e+00	-7.140872e+00	-3.48605623
## 265	-1.434116607	0.314585853	1.149429e+01	-3.186211e+00	-5.49972849
## 266	1.472663656	-3.623618545	-3.896274e+00	5.045366e+00	6.28628735
## 267	-2.985326960	1.774696991	-2.519300e+00	-6.663928e+00	-2.91259510
## 268	3.191265249	0.707525042	-3.274390e+00	-2.770211e+00	5.39432181
## 269	1.512241204	-4.602627386	-7.786924e+00	4.008788e+00	-0.06984232
## 270	0.477087033	-4.465784513	8.181044e+00	7.328372e+00	-8.38530043
## 271	-5.495353321	8.312857277	-2.800142e+00	6.064099e+00	-10.39662100
## 272	-5.045628894	-5.465431042	1.228783e+01	-1.013035e+01	5.27157105
## 273	-4.895303955	-5.027177374	1.223401e+01	-2.517260e+00	-4.19512077
## 274	2.417728746	-3.005644353	5.716379e+00	2.905029e-01	6.44323033
## 275	-1.983506774	-3.214194474	-2.195891e+00	-4.856901e-01	0.02072458
## 276	-2.031542366	0.835474607	2.708118e+00	-5.049032e+00	4.91751319
## 277	0.086420566	7.824381151	1.450290e+00	2.437046e+00	-4.71063244
## 278	-6.909282691	3.115979900	1.309256e+01	7.476389e+00	0.44017278
## 279	2.606504243	1.266202171	4.063568e+00	2.546809e+00	-11.77769263
## 280	-0.393342461	-4.389648427	-4.721136e+00	-1.513676e+00	-7.44019605
## 281	-4.440549396	-0.379976735	2.553718e+00	-1.646974e+00	7.59568286
## 282	-0.239968770	-4.040512600	-4.530464e+00	1.013922e+00	5.07569564
## 283	5.098557849	5.792246907	1.718429e+01	-1.673000e+00	2.31722487
## 284	-5.482492092	5.494032537	5.524848e-01	-4.815383e+00	-2.18657897
## 285	5.140667133	-6.134633646	1.426395e+00	8.210551e+00	2.87471665

## 286	3.310495997	3.397833302	-1.380138e+00	1.043584e-01	-4.88312458
## 287	-5.618782894	-0.038669803	-4.366083e+00	3.603972e+00	-0.84022547
## 288	1.952723709	4.408827686	-4.557437e+00	-4.441190e+00	5.34176546
## 289	-2.831065035	6.221213518	-4.729027e-04	1.695213e+00	-6.95884472
## 290	3.446580717	-2.891302466	-1.564660e+01	1.263416e+00	1.12487261
## 291	1.153037805	1.596674453	4.713814e+00	-6.269922e-01	-1.55430644
## 292	-3.296148573	6.045541161	9.866562e+00	4.510005e+00	-3.63510277
## 293	-2.998352912	-1.802047356	-7.465586e+00	-2.390052e+00	-12.24646800
## 294	3.394466723	5.208604685	-5.128273e+00	-3.246072e+00	-8.99683862
## 295	-3.223958555	-2.779379027	-3.060730e+00	3.558771e+00	-11.41486784
## 296	-6.336830953	-2.761411683	5.105714e+00	2.407695e+00	-2.28383388
## 297	0.904026344	3.947609730	9.298415e+00	-4.709218e-01	1.59665325
## 298	-0.349086222	4.279841190	-3.954589e+00	5.870111e+00	-1.77089461
## 299	-1.462372531	-1.082117902	-4.520973e-01	3.892689e+00	-0.29087375
## 300	0.882655226	-3.502731376	6.155981e+00	4.077566e+00	-4.14334071
## 301	0.929579791	4.447769111	4.764313e+00	5.838908e+00	-6.13902826
## 302	3.860658892	6.264875663	4.581472e-01	4.386048e+00	-11.66626342
## 303	-1.380200762	1.142425762	-7.150718e-01	-1.930381e+00	-7.97282993
## 304	-2.857790473	5.051696287	-5.440411e+00	-6.960953e-01	7.51103470
## 305	-2.745187933	-4.310344845	5.050616e-01	9.079741e+00	-6.07278683
## 306	-0.617207980	-6.253602795	-1.988500e+00	4.555620e+00	-1.44264436
## 307	-0.708483780	2.356027735	-4.837872e+00	-2.635723e+00	3.19840108
## 308	-0.697237328	-5.804027619	9.907700e+00	2.976953e+00	-2.80857442
## 309	-0.662642240	-0.194843159	-1.429767e+00	-9.923793e+00	-3.50221258
## 310	2.742373666	2.396465333	6.456047e+00	-1.836846e+00	0.95344283
## 311	0.575883207	0.296692230	-6.568738e+00	1.353317e+00	-8.83463569
## 312	2.092668765	0.611451295	-3.157808e+00	4.271531e+00	0.56356251
## 313	-1.524590115	-2.651913515	-5.491705e+00	-2.003714e+00	-10.52519623
## 314	-6.388364298	0.822155072	1.603586e-01	-7.724805e+00	-3.65255724
## 315	-1.508513570	1.911834201	4.376463e+00	-5.643098e+00	7.68502116
## 316	4.964775444	7.183329972	1.506267e-01	-1.324373e+00	14.35357394
## 317	0.516534620	12.693026237	-4.808587e+00	-2.121074e+00	9.73209090
## 318	-2.522423570	1.341094504	-6.659607e+00	-9.668494e+00	-5.26983331
## 319	-3.198519967	-2.881340933	-8.116012e+00	4.903073e-01	3.59471323
## 320	-1.322284896	-1.308558482	6.724188e+00	-5.310611e+00	-5.48825174
## 321	2.982317392	-15.318585125	8.673189e+00	-1.372554e+00	8.36513806
## 322	-0.743959468	10.551470170	-3.913842e+00	-3.410070e+00	6.64473173
## 323	-1.261512553	0.435991686	8.290489e-01	-3.368382e+00	4.96671317
## 324	0.948079012	-2.690264310	3.822456e+00	-1.102467e+00	1.47606209
## 325	-1.735393011	-4.880789319	1.231198e+01	-2.649160e+00	6.80239227
## 326	-1.718047404	-8.883582743	-9.275613e+00	2.003001e+00	-3.36022500
## 327	1.172357657	5.919502732	4.682010e+00	-2.995461e+00	9.25654856
## 328	-1.149093926	-9.808174960	-6.123047e+00	-5.405998e+00	-7.25195176
## 329	-2.067146412	-6.617819907	-8.467448e-02	-2.928297e+00	10.34943457
## 330	-5.064467975	-0.340937730	-6.169414e+00	-6.538856e-01	-5.70447358
## 331	-4.020234583	-3.978990012	-1.484513e+01	-4.232675e+00	11.60557762
## 332	0.564474590	1.189380014	1.402615e+00	1.083245e+01	16.10842168
## 333	-2.136308063	-0.327063406	3.611993e+00	-1.214452e+00	0.29002888
## 334	1.049305552	2.861451022	-6.453717e+00	5.580912e-01	12.47774196
## 335	1.442906682	-2.355974758	-5.719753e-01	-8.333864e-01	8.97896473
## 336	3.694311287	2.125143387	-2.220777e-01	-2.137897e+00	27.32376199
## 337	0.779562462	5.177614598	-5.259273e+00	6.435440e+00	8.81066100
## 338	-1.338417169	-3.282265010	2.383219e+00	4.690675e-02	6.16309638
## 339	-1.160044209	0.580381663	8.150906e+00	-7.335880e+00	1.27099351

## 340	5.800087533	1.764101000	-8.035207e+00	4.033024e+00	-8.26639672
## 341	-0.238432293	-5.075410314	-7.256279e+00	-7.458862e-01	0.16465457
## 342	-0.597699270	-1.776995341	1.624785e+01	-4.558511e+00	-8.02559512
## 343	-2.860226499	4.351922889	-1.595403e+00	-2.248477e+00	9.03099014
## 344	1.517107757	-3.381482613	1.600172e+00	-6.472213e+00	-13.43595231
## 345	-4.444824172	3.458641892	7.259378e+00	2.102846e+00	1.88793922
## 346	0.299757993	8.113954569	-6.619014e+00	-3.370154e+00	1.37234158
## 347	-2.354401263	3.059986125	1.043388e+01	-1.722658e+00	-8.13247915
## 348	-1.147037581	1.488412450	2.852040e+00	-3.404873e-01	-12.95510611
## 349	1.183348868	0.484479250	6.359139e+00	-2.539659e+00	0.64392894
## 350	3.564064059	11.404097698	6.650892e+00	2.068493e+00	-4.33323755
## 351	-2.031363397	0.861243782	-1.108693e+01	-8.202863e+00	-5.85385077
## 352	0.924037269	-1.753878498	4.659458e+00	-9.285223e-01	-3.62956460
## 353	4.224491663	-12.091573785	-5.690593e+00	3.192255e-01	-9.55526140
## 354	-4.341961040	-3.435346240	-3.591583e+00	-3.422673e+00	-18.85427066
## 355	-3.812054635	-1.608355705	1.226941e+01	-9.131039e-01	2.24704374
## 356	-2.291288110	-1.413145921	8.502048e-01	-2.965429e+00	-8.24246425
## 357	-1.453015374	-2.625919299	-7.752934e+00	-4.736665e+00	12.60078375
## 358	-2.102702644	-3.837555662	5.783516e+00	2.699348e+00	-15.21626320
## 359	1.737810966	6.469354447	-5.253881e+00	-1.372132e+00	-4.19186205
## 360	5.247204177	4.303356919	-1.262516e+01	-5.855109e-01	2.09704047
## 361	6.360097099	-2.857392877	-7.816781e+00	4.536975e+00	-11.28845512
## 362	-2.209729144	3.229156107	-1.514466e+01	6.910199e+00	-0.33432079
## 363	-0.889700607	-9.883569602	5.549496e+00	-3.806492e-01	-9.48156134
## 364	4.825877213	-1.956721215	-1.495543e+00	6.639207e+00	9.23750179
## 365	-2.590495366	0.679894622	1.006916e+01	9.349320e-01	2.00410839
## 366	1.995114469	4.339218921	-6.654953e+00	4.444009e+00	7.55249141
## 367	-3.830226460	-5.249503356	-2.629711e-01	-4.894123e+00	-9.93682173
## 368	-1.293062545	-0.870045843	1.885381e+00	1.877091e-01	-10.34203770
## 369	-5.440560569	-8.193336621	1.538753e+01	-1.256008e+00	0.07473899
## 370	2.321773827	1.062143078	-3.420773e+00	1.139660e+00	-4.27674632
## 371	3.276958318	-0.830792721	3.442661e+00	-5.088418e-01	-2.22513275
## 372	8.390144766	3.973874802	-1.826365e+00	5.425726e+00	-5.36251586
## 373	3.763296317	3.467678802	-1.394623e+00	-3.456361e+00	3.97891795
## 374	-3.415434105	-1.065396472	1.065905e+01	-3.937460e+00	4.33601310
## 375	-4.554982484	-7.877894548	9.602348e+00	-3.018284e-01	1.71488947
## 376	-6.199556930	4.230878218	-8.104919e+00	1.274700e-01	10.09584671
## 377	-7.306531491	0.151741394	2.488360e+00	-1.449252e+00	-4.22059769
## 378	-5.366737012	7.200070745	8.829734e+00	5.778376e+00	5.30529794
## 379	-6.076237115	-3.811280959	1.582154e+01	5.580973e+00	-1.91512074
## 380	5.127764086	-0.789154519	7.333059e+00	7.354282e+00	-9.73568391
## 381	1.518303080	1.156123513	-1.585976e+01	6.636097e-01	-0.53566420
## 382	-1.291802776	-3.381854790	2.176090e-02	4.225744e+00	0.21623648
## 383	-4.803614894	-1.022298643	3.003273e+00	-5.773333e-01	-15.07723789
## 384	-7.868676335	0.010705697	3.466242e+00	-4.375013e+00	3.28182330
## 385	-1.852018494	-7.747354775	-1.496308e+00	-9.980969e-01	-3.99100519
## 386	-1.553120609	2.679419870	-2.592148e+00	9.987781e-01	-18.38038666
## 387	1.270198558	2.214409366	8.529118e-01	-2.510464e+00	-7.53216146
## 388	-0.666052469	-1.015179954	-5.037651e+00	4.572913e+00	-12.90171596
## 389	-3.295762682	6.097232239	8.578514e+00	6.295362e+00	-7.16715878
## 390	3.208807707	2.792797557	-6.682583e+00	-4.456414e-01	3.04938784
## 391	0.680267321	3.987263818	-2.644092e+00	-7.058918e+00	-2.32590943
## 392	2.085822029	-12.869309709	-4.428591e-01	-1.385548e+00	-3.05041394
## 393	-0.395930201	-5.770973278	4.686661e+00	-7.073022e+00	-4.68840641

## 394	2.538672719	4.525959495	4.792042e+00	-1.489923e+00	5.66981004
## 395	-0.359506110	-5.390426552	-2.382454e+00	2.598350e-02	3.61258165
## 396	1.973432739	1.299484232	9.122160e+00	-4.968341e+00	11.04504612
## 397	-0.521191311	3.682300931	-3.734391e+00	-2.365433e+00	10.76859156
## 398	0.991783532	3.710845171	8.867099e+00	-4.543702e+00	7.88592198
## 399	-4.157577842	-6.414656454	6.255328e+00	-5.829563e+00	18.93896118
## 400	2.767577797	-3.828783191	1.377604e+00	-2.814808e-01	-4.26043354
## 401	1.793062739	1.589743625	1.114398e+00	-5.992871e+00	-2.13889566
## 402	1.187667400	4.837705892	1.243181e+01	-1.083133e+00	6.00593230
## 403	-3.105363217	-5.846179113	-8.389927e+00	-1.398054e+00	-10.69440236
## 404	-1.595530910	0.488016420	3.093476e+00	-1.120378e+00	-4.53899629
## 405	-3.363835932	3.251735879	5.967276e+00	-3.354984e+00	1.81773821
## 406	2.910472081	1.004004447	-2.259516e+00	5.110836e-01	-12.21483410
## 407	-2.182203861	-2.269148579	-3.413103e+00	-5.946885e+00	-1.20671804
## 408	-0.542269270	0.365651596	-1.828300e+01	6.942844e-01	-3.14695099
## 409	0.817455753	-5.824503816	3.212216e+00	8.057319e+00	-1.63155735
## 410	-2.242536679	-0.651867678	-1.406046e+00	3.718736e+00	-5.15857379
## 411	-1.086917460	-0.936982087	2.967841e+00	2.641896e+00	7.86294814
## 412	-9.031555408	0.213156006	1.289658e+00	3.032408e+00	-7.41089508
## 413	1.898946807	2.508068509	6.744720e+00	1.222754e+01	10.82874939
## 414	-3.475468901	-1.209816116	-7.246004e+00	5.442418e+00	-3.23424259
## 415	2.078829901	-1.354578919	1.151146e+00	-3.255966e+00	-2.65428939
## 416	-0.787175714	8.896113300	7.556105e+00	-1.674212e+00	5.30499712
## 417	0.466924822	-1.244402501	3.942785e+00	-3.952196e+00	2.26932861
## 418	1.985595737	-1.246371494	-2.570452e-01	2.465270e+00	-10.39340615
## 419	0.266133749	0.082794653	1.194545e+01	2.030513e-01	5.44189767
## 420	-5.197369883	-1.487730482	6.516985e+00	-5.867509e+00	-3.67366167
## 421	-1.009437110	-6.609334011	8.718305e+00	-4.902200e+00	-0.01515573
## 422	5.950645119	-0.096126324	2.147984e+00	3.236709e+00	-7.62438963
## 423	1.277152657	12.608921023	1.943918e+00	2.526635e+00	-3.72966952
## 424	-0.338143710	4.132483168	-2.528649e+00	6.272305e+00	0.30133435
## 425	-0.111902328	-1.986441212	-1.123713e+01	1.036405e+00	5.47788106
## 426	0.709875587	-8.101657460	9.155494e+00	6.492589e+00	2.13009059
## 427	1.815339725	-2.366732960	1.126213e+00	-3.405170e+00	-5.59134761
## 428	-3.605576267	-0.570104155	8.045849e+00	-1.625023e-01	8.52329270
## 429	-0.956739517	0.057663749	3.931526e+00	-2.201930e+00	4.53708649
## 430	-1.289135154	8.315349786	4.726241e+00	5.333647e-01	0.82538078
## 431	-2.409207130	-0.423457171	2.635793e+00	-9.436168e-01	15.75238204
## 432	-0.582688081	1.568509439	4.621745e+00	-1.645336e+00	4.23879085
## 433	-4.097533566	-5.277865730	1.484835e+01	3.300166e+00	-5.27956911
## 434	-5.278076936	5.208056343	1.530117e+00	7.055712e-01	-3.01979413
## 435	-2.334453497	9.759047298	-3.204666e+00	-1.221832e-01	-0.31961414
## 436	3.167737774	-1.059393209	-2.549457e+00	-4.098073e+00	15.10089902
## 437	-1.415352013	6.429737388	1.600637e+01	-1.957447e+00	-12.35659858
## 438	-1.668758132	-3.227666636	-1.386780e+01	5.442650e-01	4.74244981
## 439	0.085924746	3.076988076	8.509715e+00	-4.862514e+00	-1.59981357
## 440	2.246298943	4.931032746	4.438019e-02	2.393795e+00	-2.34241575
## 441	0.346869497	2.018370928	2.696611e+00	-1.269123e+01	2.32259746
## 442	-1.428689637	-6.681250044	-9.700067e+00	1.622993e-01	-13.02723821
## 443	-2.987618408	6.171218660	-1.146425e+01	9.754461e+00	5.26578756
## 444	-3.014153582	-3.242193396	-1.094406e+01	-5.848721e-01	-5.82454040
## 445	-2.294958950	-0.648238017	-5.011368e+00	-1.197287e+00	9.78803518
## 446	-1.352605535	11.322623821	5.268411e+00	3.221656e+00	-3.25106726
## 447	4.476683717	4.984105844	-2.780881e+00	1.401799e+00	-8.92434493

## 448	0.136984855	-0.599485456	6.034667e-01	-4.771153e+00	2.60731069
## 449	0.514506789	-0.344464606	-2.669269e+00	6.381431e+00	-4.25770533
## 450	-0.735842133	2.183668797	3.731043e+00	-8.346656e+00	-3.94957670
## 451	-3.709131669	-9.655933966	-5.505080e+00	1.251836e+01	-4.20202736
## 452	-3.540240281	-0.019157322	-2.397158e+00	1.216027e+00	-10.46445393
## 453	2.083329378	3.806776406	-3.750522e+00	-6.281588e+00	-1.28505205
## 454	-2.982558054	7.196443821	1.047995e+01	1.336548e+01	3.27734796
## 455	0.063116794	-2.944162140	5.576654e+00	-4.464931e+00	9.33451004
## 456	-1.463959535	4.668341014	5.706973e+00	4.947112e+00	-1.69873194
## 457	5.813695130	1.253104802	-6.815530e+00	-4.549272e+00	6.03036269
## 458	1.525306652	-1.953218084	1.322564e+01	4.987996e+00	15.04362502
## 459	4.863700979	-13.616898361	1.915648e+01	4.522712e+00	0.01298050
## 460	1.302651236	2.897441113	6.252901e+00	-1.711789e+00	-10.99155204
## 461	0.950976784	5.001603548	-2.784306e+00	-5.816195e+00	2.43025213
## 462	0.404481544	4.197887613	-1.681349e+01	-7.710925e-01	2.55125249
## 463	7.992637411	4.038322835	1.659072e+01	-2.966778e+00	-5.93876414
## 464	-4.592648410	7.688138174	-5.636161e+00	-2.388083e+00	2.44192731
## 465	-3.924841759	3.614059086	-2.668775e+00	3.763816e+00	-1.01258472
## 466	-8.355650253	-4.513820850	1.716515e+00	2.125379e+00	6.81470238
## 467	-3.092557318	6.416606047	-9.197874e+00	2.931163e+00	13.27627271
## 468	3.456332591	-3.003361085	6.663212e-01	-7.033191e-01	-1.54810981
## 469	0.325260259	8.158431621	-7.185377e-01	2.304279e-01	-6.65781932
## 470	-0.040206018	0.924052887	-1.825520e+00	-2.060912e+00	4.35641948
## 471	-3.353250784	-1.161683903	-9.091734e+00	-7.274944e+00	-0.05770999
## 472	-1.738944001	-1.750718512	4.528084e+00	5.385955e+00	2.27047676
## 473	4.669257972	1.823443516	-1.392012e+00	-4.053813e+00	8.68808607
## 474	0.511820816	6.466775125	-1.883972e+00	-1.291035e+00	7.00483876
## 475	2.897753337	5.591489286	-2.142576e+00	3.341274e+00	-8.48970739
## 476	-2.968893804	-2.410107456	-1.532023e+00	-9.458173e+00	10.74879311
## 477	-6.691317415	2.148219698	6.647874e+00	5.471847e+00	-6.26968962
## 478	2.129697944	-6.165603518	7.973332e+00	1.458308e+00	-1.73522457
## 479	-1.249324813	-2.445716377	7.267067e+00	-4.917959e-01	6.57564193
## 480	-3.550413787	-4.434684987	1.162055e+01	5.047158e+00	-4.37252764
## 481	-4.083001448	-4.639674440	6.502398e+00	-3.894909e+00	11.76710065
## 482	4.916329000	-3.615697456	-9.972006e+00	1.138733e+00	-13.83112304
## 483	-0.401685960	-10.018411039	1.485448e+01	-2.201666e+00	-0.02495797
## 484	-3.568497273	-0.673854297	8.586452e+00	-1.064743e+00	-7.28044978
## 485	-0.306488311	6.168453736	-3.823582e+00	-3.283928e-01	-8.12171737
## 486	3.570125996	2.219082857	3.184377e+00	3.873996e+00	-10.53745243
## 487	-0.493893466	-1.879371479	-2.518310e-01	2.836468e+00	5.62930265
## 488	3.831405863	2.263285100	-5.711835e+00	-2.806383e+00	6.30708804
## 489	0.057679516	-6.246644871	-4.554658e-01	-6.022809e-02	-1.69344849
## 490	-1.559289462	5.345722636	-5.307553e-01	-7.330319e+00	-14.15300381
## 491	0.430795825	0.846488030	-6.911618e+00	1.374037e-01	-0.61137543
## 492	-0.911148441	-3.829019515	7.218301e+00	-1.204888e+00	-6.58506443
## 493	-1.541674261	3.232670579	-5.861816e+00	5.508978e-01	13.67230934
## 494	-0.515149707	0.787207529	3.948976e+00	6.685914e+00	-4.94879604
## 495	3.647333540	4.776347073	4.233487e+00	-2.453916e+00	2.10192472
## 496	1.982134743	0.388115119	1.270184e+01	2.670588e+00	1.75676210
## 497	0.309302283	4.939363300	1.012233e+01	4.769151e+00	3.37894227
## 498	-2.500175685	-0.764636995	-5.735139e+00	-2.699390e+00	4.97365200
## 499	-3.823858610	3.218628666	1.344767e+01	3.135632e+00	0.11796544
## 500	-1.801755238	-9.917173098	-1.360965e+00	-3.699530e+00	-2.62810233
## 501	1.264782916	-0.944767365	1.760517e+00	8.031908e-01	8.31091154

## 502	-0.751783761	7.074193053	3.072332e+00	-3.032547e+00	-5.29133905
## 503	-0.696654251	0.289176137	-2.855910e+00	-2.759594e+00	-3.67895777
## 504	3.765401349	5.448241062	4.836998e+00	5.600523e+00	3.91574747
## 505	-3.652865003	2.520277406	-1.616926e+01	-5.132808e+00	-7.75624845
## 506	0.839403596	3.385868686	-1.277253e+01	-1.630332e+00	-7.87686862
## 507	0.853793468	0.865743225	5.296088e+00	-3.061911e+00	-3.05756162
## 508	-1.293688173	1.668191822	2.717308e+00	-2.311602e+00	-6.61193363
## 509	-0.971285979	-0.463218725	5.761138e+00	-2.938279e+00	8.10527550
## 510	-6.196830452	-2.931147409	3.496736e+00	2.154256e+00	1.61733994
## 511	3.610930064	1.726889698	-5.812253e+00	9.242059e+00	13.57962304
## 512	-0.638987724	0.698018135	-3.998043e+00	-7.561888e+00	-1.91542298
## 513	-3.825788973	-3.128928790	2.427115e+00	3.241599e+00	-4.62408099
## 514	-1.623394815	1.301285221	1.390364e+01	1.776686e+00	-7.61591253
## 515	2.357940132	1.386676704	-4.812701e+00	-7.387244e+00	-5.74738964
## 516	-2.946709611	4.544175899	4.002676e+00	7.306687e+00	-2.99637627
## 517	0.608208604	1.548464792	-1.708020e+00	2.377489e+00	-13.76593400
## 518	-2.210999100	-3.347706846	2.787177e+00	-5.248926e+00	5.90677940
## 519	-3.392179730	-4.358904914	2.352334e+00	-4.242837e+00	-0.67506726
## 520	-4.173269529	0.663147292	4.770369e+00	1.775389e+00	-8.52453003
## 521	2.543422269	0.034427872	2.098686e+00	-1.098910e+00	1.50001320
## 522	0.461434105	5.314606883	1.094781e+01	3.839895e+00	-5.91596798
## 523	-0.150562443	9.795715279	4.936819e+00	5.756742e+00	2.05772116
## 524	0.021846759	5.541584078	9.657370e+00	-4.577433e+00	-3.52364841
## 525	-1.554487478	0.197351845	-1.013914e+00	-1.580092e+00	-4.82592046
## 526	-4.831709765	-4.974747045	5.855910e+00	1.191726e+01	11.96767166
## 527	0.419947295	7.453226758	-5.595750e+00	1.711356e+00	5.25978904
## 528	5.590451840	-4.422136961	-4.959782e+00	3.305431e+00	-3.16035136
## 529	-1.162909017	-3.543440870	-1.069972e+01	-1.892550e+00	-5.54303222
## 530	-2.522779219	9.044902918	8.598495e+00	2.856814e+00	-7.67140637
## 531	-1.293164124	-8.517169454	-6.572006e+00	-8.154222e+00	-5.13490819
## 532	-1.722935571	5.665583994	9.432980e+00	4.754464e+00	-4.71738612
## 533	5.623687750	-2.012151511	-1.973429e+00	-5.365611e-01	7.01588512
## 534	-1.853051851	-3.556904867	5.237621e+00	-2.309304e+00	0.24395692
## 535	-0.046831298	-1.270758298	1.008368e+01	5.979926e-01	-11.49342091
## 536	-3.757746020	-3.251921782	6.907808e+00	-4.480017e+00	-1.12165082
## 537	-6.256707485	-4.267298270	-1.425133e+00	7.919068e-01	-8.41463611
## 538	-1.048787182	1.252346089	9.444789e+00	-9.689270e-01	10.20719670
## 539	-3.612772627	5.260041967	6.432368e+00	-4.109957e+00	8.38348879
## 540	-7.015851999	0.810460019	-6.802137e+00	-4.827129e+00	-7.75893564
## 541	0.825231417	-2.396266726	-7.298092e+00	6.874968e+00	-3.75531208
## 542	1.061240049	5.640976366	1.106239e+01	-1.306425e-01	-4.26487953
## 543	10.317543658	-6.634904717	-7.387381e+00	-8.757034e-01	-3.66522918
## 544	1.559164514	-6.719865973	-9.174353e+00	1.522236e-01	6.40785776
## 545	0.035190203	-2.259627365	-1.155038e+00	3.159858e+00	-13.25367504
## 546	2.794893475	-7.937926894	-2.351707e+00	-1.579506e+00	5.04974799
## 547	-1.357269337	-4.738773217	4.283820e+00	3.604536e+00	-4.65657092
## 548	-5.042098597	-8.019880622	-2.178690e+00	1.087576e+01	4.08245387
## 549	-4.224251972	-5.167480714	4.538102e+00	3.624177e+00	-3.47793739
## 550	1.413798090	-8.909803019	-7.742855e+00	5.326876e+00	-8.09545043
## 551	-1.697577867	-5.084123809	-2.226733e+00	4.409274e+00	-1.89937781
## 552	-1.734305904	8.356956543	-8.059013e+00	4.911654e+00	-3.17095022
## 553	8.149085195	3.949127549	-2.107192e+00	-4.818421e-01	-9.48392503
## 554	-0.469526424	-3.326199975	-1.564847e+01	4.086351e+00	-5.61303392
## 555	1.140147898	1.629847212	-2.471665e+00	-3.546318e+00	-10.61591619

## 556	5.513350800	-2.166834679	8.864686e+00	4.193478e+00	0.97027369
## 557	-5.037659187	-0.439545033	-8.698138e+00	2.577265e+00	-0.71900709
## 558	-0.305807859	-8.702163113	4.818554e+00	2.227782e+00	1.66648162
## 559	-0.824833882	0.225250362	-5.637474e+00	-9.488144e+00	-4.06179001
## 560	-0.615657027	5.465005946	9.014622e+00	-7.540763e+00	1.00386107
## 561	-0.724375111	9.524872695	2.428181e+00	-4.918956e+00	4.38979988
## 562	0.708128298	-0.251525832	1.268506e+01	-5.975820e+00	2.39989241
## 563	-2.503768387	-5.663652144	-8.266334e+00	-1.022006e+01	18.67766243
## 564	-4.285416491	-2.773318938	5.106868e+00	-7.799928e+00	-7.50187844
## 565	2.026885145	-0.896496125	-1.692563e+00	4.082904e+00	4.55643127
## 566	-1.100847914	2.614376831	-3.406321e-01	-5.205506e+00	-0.27003037
## 567	-3.001091947	0.988854017	1.052124e+00	8.996895e+00	-12.01331715
## 568	5.936954551	5.019218098	-1.498269e+01	7.583032e+00	4.51941141
## 569	-0.861758721	5.390431327	-5.209598e+00	4.838459e+00	-13.14954441
## 570	-1.268876583	-1.852961884	7.077166e+00	-4.835095e+00	-3.49146555
## 571	6.936369857	-4.423617828	2.042767e+00	-7.155339e+00	-2.57660476
## 572	-1.364334228	-9.641278860	-6.380900e+00	3.431753e+00	3.88309247
## 573	2.590718926	5.722748352	6.524299e+00	1.809863e+00	5.91544229
## 574	-1.707507599	0.778938083	-1.150342e+01	3.137190e+00	-16.27235445
## 575	0.271447187	8.401954886	1.216711e+00	4.210184e+00	10.31998768
## 576	1.627543098	-0.436217461	5.864578e-01	3.089309e+00	-4.25967411
## 577	-0.712080740	-2.976953585	-4.388818e+00	2.674245e+00	-2.68923528
## 578	-0.975462910	0.044095754	6.948895e+00	-7.085892e+00	-0.66672904
## 579	3.917514150	-1.101484448	-2.851495e+00	2.291678e+00	4.12454925
## 580	4.695613974	-3.463880777	3.649350e+00	-1.740018e-01	11.12251391
## 581	2.026960093	-6.545726386	-2.798123e+00	-1.102175e+00	0.48945115
## 582	2.087002918	-1.048665658	7.011609e+00	5.956949e+00	8.47917139
## 583	2.521413721	-5.175901410	3.404786e+00	-1.654421e+00	7.16541719
## 584	-4.192740773	11.886765097	-5.286600e+00	-2.407988e+00	6.07441892
## 585	-2.021462408	0.602267593	6.825661e-01	1.250653e+00	9.60255237
## 586	-2.370996352	1.708861207	9.175278e+00	-2.851226e+00	-9.20956711
## 587	5.877541971	-7.210293012	5.253453e+00	4.833198e+00	8.26551694
## 588	0.187738859	-1.346119691	9.131551e+00	-4.449643e+00	-0.98601829
## 589	2.869916541	-3.404042546	-4.704679e+00	2.419960e+00	-2.29967682
## 590	-2.486862425	5.199673735	3.395057e-01	2.088084e+00	-14.95053092
## 591	3.442816325	-2.847639806	1.255477e+01	-9.505099e-01	7.90759873
## 592	0.526025777	3.263793407	-4.586440e+00	2.260336e+00	5.83909790
## 593	3.328721083	-7.227119584	9.363022e+00	-3.601160e+00	4.19853257
## 594	-3.740874203	-0.459011246	2.430002e+00	5.452904e+00	-3.73971963
## 595	2.410870267	4.047557615	-1.028379e+01	4.599386e+00	-8.20670125
## 596	-6.021253712	-4.764973723	8.556235e-01	-3.139708e+00	-5.20105461
## 597	-6.083113934	-1.022000943	-1.813225e+00	-4.119377e-01	4.28978831
## 598	-0.109088006	4.279056755	-9.780141e+00	-3.302229e+00	3.85307253
## 599	2.407790173	-2.596133915	7.149216e+00	-2.960337e+00	-10.48655922
## 600	-0.468465459	1.511480535	-9.041874e+00	3.301630e+00	8.49417079
## 601	-0.287755604	5.949541256	-1.258229e+01	9.833766e-02	0.85263778
## 602	-4.324914533	3.082927699	-9.955781e+00	1.702678e+00	0.82947645
## 603	4.505237015	-1.482852133	-4.698323e+00	3.668577e+00	19.92286174
## 604	1.746171445	-3.681476233	-6.630915e+00	-2.164466e+00	-9.84991155
## 605	1.124805449	0.956257168	4.981448e+00	2.508831e+00	6.73264912
## 606	1.482993901	-3.956929361	9.140213e+00	3.086558e+00	11.41644572
## 607	-2.312176583	-11.501497904	-8.205365e+00	3.469185e+00	-3.24692373
## 608	1.880099284	-0.270381200	-8.289243e+00	6.838389e+00	-0.31948048
## 609	-1.294868573	-8.893711174	2.824282e+00	1.494042e+00	3.30713306

## 610	-3.696004343	2.885399252	-3.036351e+00	2.231467e+00	6.11627502
## 611	-3.361519949	12.233897551	2.092880e-01	2.948486e+00	-6.33524325
## 612	4.840924772	6.270869297	-6.203610e+00	3.226162e+00	2.53545629
## 613	-1.212580966	0.532731185	-2.846702e+00	1.319480e+00	-4.78065746
## 614	-4.468884956	-3.306048167	-9.589944e+00	5.708143e+00	-4.43348998
## 615	4.086265287	0.428997044	-1.423239e+01	-7.559049e+00	11.60354180
## 616	-1.175782283	4.803135066	1.333142e+01	1.387859e+00	-0.01822641
## 617	4.283782191	4.105909217	1.847052e+00	1.803439e-01	-5.81462886
## 618	-2.162393654	-0.287181555	-4.164263e+00	1.960646e-01	5.07042729
## 619	-2.520494362	3.174880826	4.895542e+00	-5.131125e+00	0.95078070
## 620	-1.387109888	-3.447487813	-7.259457e-01	1.384020e+00	-12.72435959
## 621	-7.325202824	-5.173528904	-6.207335e+00	-1.089642e+00	-11.68599590
## 622	2.753038542	-0.458373587	5.284984e+00	-4.008864e+00	-7.17412264
## 623	3.514962983	5.866165626	-2.383709e+00	6.430305e+00	-6.26020759
## 624	1.458519504	-8.422817041	-1.622350e+01	5.862948e+00	-4.33841702
## 625	-2.160338560	-0.010672403	-1.233628e+01	8.394732e-01	-4.21546142
## 626	-5.538563524	-9.064229711	-3.180966e+00	-3.524526e-01	6.93949987
## 627	-3.528270057	4.040459402	1.672946e+01	1.322496e+00	-0.84656075
## 628	1.254877296	-3.671551406	-4.340350e-01	-2.676477e+00	-6.01103476
## 629	-1.892314019	2.823410238	-1.152162e-01	-7.751507e+00	7.02490941
## 630	4.253176372	-2.994272720	-3.898798e+00	1.871955e+00	-2.16193622
## 631	1.842954509	-1.564289963	1.060843e+01	9.497558e+00	0.72616699
## 632	0.139126305	3.461215011	9.289971e+00	-1.390559e+00	-5.93211804
## 633	0.708933243	-8.898724546	6.392206e+00	8.503023e-01	5.07849767
## 634	-8.592202281	-4.165314367	1.060060e+01	1.039504e+01	-4.92087793
## 635	-2.143313868	4.662917364	-6.343947e+00	2.665052e+00	-13.29317283
## 636	-2.198967373	0.427269199	-3.325524e+00	-1.403160e+00	-8.13861242
## 637	-2.942366978	-5.947247689	1.025000e+01	-2.005834e+00	10.66271203
## 638	-5.783760100	-1.416567595	-5.746504e+00	-1.746012e+00	-5.16746463
## 639	2.029059816	5.963433191	9.122131e-01	4.637520e+00	-10.96171034
## 640	-4.534772330	7.837626939	6.435126e+00	-1.230096e+00	3.43840763
## 641	0.894744223	-5.858935528	1.287476e+01	2.998008e+00	-11.19623776
## 642	9.403443428	1.804736501	-5.522033e+00	9.870061e-01	-1.64379118
## 643	0.216857571	-0.918703276	-2.830497e+00	-5.804713e+00	4.01423884
## 644	-3.617193859	-1.418410493	9.945351e+00	6.056640e-01	1.45676400
## 645	-0.847411527	8.974177195	-8.872058e+00	-2.687279e+00	-0.92305672
## 646	0.394168816	0.272937859	1.711191e+00	1.919746e+00	7.89886642
## 647	-4.070807200	-5.658679302	-8.885883e+00	5.157748e-03	17.44384104
## 648	-4.936385783	-6.368942138	1.409520e+01	2.400754e+00	4.36667182
## 649	1.181061589	7.559705062	1.699011e+01	-3.475290e+00	11.40428408
## 650	-3.691702620	-8.696533037	5.464418e+00	7.407676e+00	-18.12405579
## 651	-1.942646949	-0.499282341	2.057438e+00	1.819231e-01	-2.96106980
## 652	0.476433857	4.436018163	-2.798508e+00	5.418710e+00	-13.59501401
## 653	-4.893017615	-6.586863338	-7.527766e+00	5.613843e-01	3.89416421
## 654	-0.860133537	-1.582369281	-7.870760e+00	-9.742145e+00	-3.38017761
## 655	-0.049177605	4.142994858	1.416301e+01	-4.146880e+00	-12.00267187
## 656	5.362346018	-1.742012231	-4.242546e+00	7.202399e+00	6.53343135
## 657	0.098974923	5.711193628	-2.785121e+00	-1.037110e+01	-18.79735562
## 658	3.919137093	-3.850908481	-1.288082e+01	-4.966615e+00	0.23926633
## 659	-0.756224933	7.184134266	4.442858e+00	4.403348e+00	-3.45199830
## 660	1.676888932	5.610356383	-2.601244e+00	-5.589736e-02	0.54995032
## 661	-2.331700372	11.889355802	8.309905e-01	4.764599e-01	-10.37678745
## 662	-0.043151194	-6.951319539	6.852895e+00	3.479821e+00	-7.14754074
## 663	1.314364598	2.665987770	-4.996885e+00	9.822594e-01	16.24373313

## 664	-1.222213290	1.906134406	-7.054521e+00	-6.560438e+00	-0.17749699
## 665	0.716080126	2.561630976	-5.910035e+00	8.968041e-01	-15.37545270
## 666	-2.251128306	0.705199546	1.035268e+00	-1.034328e+00	-3.81776850
## 667	2.409705583	5.411602660	9.841446e+00	3.116976e+00	-3.32387802
## 668	4.912939124	-2.019723978	1.538700e+00	5.347536e+00	-1.06626665
## 669	-2.735916267	0.118379864	-1.267506e+01	2.305133e+00	2.80347347
## 670	0.962919992	-0.412009097	7.202054e-01	4.753996e+00	2.75840177
## 671	0.286221590	6.166963632	3.918811e+00	3.575178e-01	5.37847798
## 672	2.874574757	4.079829478	1.010063e+01	1.918198e+00	-5.81195068
## 673	0.009277548	-1.666208122	6.527963e+00	3.369708e+00	-1.84072465
## 674	-3.181952183	2.711447439	-3.922606e+00	-5.524796e+00	-10.71157724
## 675	-0.096607987	-8.063846951	2.930316e+00	2.214934e+00	-0.82917766
## 676	3.542673641	-4.837362953	5.750102e+00	1.882410e+00	16.78314274
## 677	2.656143117	-2.715220683	1.294704e+01	-1.731360e+00	8.92425358
## 678	0.383185296	-12.455246371	-5.584122e-01	3.427737e+00	-9.19487630
## 679	-2.554628189	-0.662823993	-5.688346e+00	-1.518759e+00	-0.25161563
## 680	-0.725979593	-0.776263721	9.302662e+00	5.950031e+00	17.71451731
## 681	3.059186697	-2.416618747	-6.128694e+00	1.696375e+00	-12.59392103
## 682	-3.126080720	-8.583868892	-1.270525e+00	-1.832735e+00	-1.33782717
## 683	-3.111447144	-3.112282650	-3.240099e+00	1.038965e+00	0.25536632
## 684	1.546377221	-3.878110541	4.133378e+00	3.917699e+00	-18.69394240
## 685	-1.493940659	-4.148476109	2.893155e+00	1.001229e+01	-12.30809166
## 686	4.343807420	-1.726572040	1.260713e-01	1.580871e+00	-0.82112019
## 687	-0.984659913	-0.056400672	1.149313e+01	3.532164e-01	-2.91846965
## 688	-0.986847991	-2.810466309	-1.048234e+01	-6.108451e+00	-14.99401518
## 689	0.131600730	6.488666580	-9.149571e+00	1.315695e+01	-2.85090192
## 690	0.257189729	2.952563287	-6.591334e+00	-6.842776e-01	7.74330357
## 691	-0.898593792	6.378925315	-6.663224e+00	6.286761e-01	-14.11159957
## 692	0.730003972	-0.913831180	-7.917120e+00	-7.737946e+00	-5.87196521
## 693	2.822948135	0.293671148	4.520433e+00	-1.942551e+00	-1.01456354
## 694	-5.717329499	-5.531732071	3.106438e-01	3.214946e+00	-4.74228983
## 695	-3.948415367	-1.527868601	-7.007147e+00	-2.658681e+00	-5.51621341
## 696	-2.364750398	2.898575292	4.823192e+00	-9.779604e+00	2.04419497
## 697	-1.582188088	-0.513383501	-3.881497e-01	3.108058e-01	6.85335119
## 698	1.424858163	3.172955325	-5.393692e+00	4.176973e+00	-3.42725746
## 699	1.362231780	-2.307201319	1.614318e+00	-7.832243e+00	-8.37772195
## 700	-3.637425689	5.025153556	1.883874e+00	9.716436e+00	-6.65853233
## 701	-0.247049362	5.015033349	9.011565e-01	-3.225525e+00	-1.96615189
## 702	-3.154592029	1.867735022	1.383061e+00	-4.771846e+00	-0.28379415
## 703	-2.100706224	-0.271770357	-1.312219e+00	-9.139424e+00	6.13033262
## 704	-2.233389025	-6.706850719	-1.220922e+00	-4.348995e+00	-14.06754502
## 705	-0.307894366	-0.938575820	-1.028896e+01	7.729971e-01	6.01084138
## 706	2.545103014	5.274212264	9.537872e+00	3.666439e+00	1.62662601
## 707	1.788090466	0.236095516	-8.056791e+00	7.583499e+00	2.59578518
## 708	3.194716605	-1.126563074	1.031120e+00	1.091756e+00	-7.43113116
## 709	-2.214011221	-0.768986172	6.296374e+00	2.088484e+00	-17.58173249
## 710	-3.820498774	-0.483206896	-2.367583e+00	-7.357032e-01	-0.84599708
## 711	3.495876746	-7.408703947	2.951473e+00	-6.444329e+00	-10.90720423
## 712	-1.847946671	1.743471185	-6.208952e+00	1.678231e-01	-6.39440202
## 713	-1.352094684	-1.472460689	-1.314448e+01	6.155707e+00	10.69338112
## 714	-5.201105715	-0.601762079	-1.013183e+01	-2.517678e+00	1.72448561
## 715	2.081715332	-2.847055303	-4.844384e+00	-9.641928e-01	-2.22952379
## 716	0.930395327	1.145876538	1.130306e+01	-8.187462e+00	5.62806594
## 717	-1.462327259	-3.430871566	3.349227e+00	4.344125e+00	1.77963701

## 718	-2.605878599	-5.824413096	-8.083358e+00	1.989744e+00	6.65720495
## 719	1.958569457	7.395835445	-3.252057e+00	1.797238e+00	14.43018439
## 720	2.183557084	4.689128847	2.158850e+00	-6.120772e+00	-0.62592726
## 721	0.250201833	-3.681923590	1.876984e+00	7.991825e-01	-4.96587773
## 722	2.546131603	-0.811817871	3.483920e+00	3.381725e+00	-11.59659834
## 723	0.731763913	0.937142370	-1.151675e+01	2.082758e+00	4.41336879
## 724	3.409989901	0.404045427	-1.485344e+01	-2.084495e+00	-7.53768355
## 725	-2.090109198	-11.030597327	1.188937e+01	1.014813e+01	8.49385865
## 726	-2.811960980	-1.235582893	4.771744e-01	6.021035e+00	1.33006043
## 727	-2.504837626	10.474706372	-6.301541e+00	5.410220e+00	2.25915111
## 728	-3.822116214	-8.132339882	-1.913212e+00	-2.177946e+00	-10.89842645
## 729	-2.377931034	4.126014705	2.197708e+00	-2.756245e+00	-8.20102585
## 730	-3.502953524	1.231890015	-1.427189e+00	3.937740e+00	-8.08429757
## 731	0.592863810	-2.683778182	-9.953827e+00	-8.291824e-01	-3.02752089
## 732	0.391069315	-6.406350167	4.464301e+00	1.329194e+00	1.89845662
## 733	-8.075444335	2.308915318	8.513819e+00	8.663414e-01	12.37376773
## 734	-0.042565219	-3.832973618	-8.402446e+00	-2.568546e+00	-2.44861802
## 735	-3.455532439	3.825312130	7.428433e+00	1.912961e+00	6.35769154
## 736	1.323953080	-2.421277867	-1.587439e+01	5.727839e+00	0.84372897
## 737	3.889203384	-1.334775853	4.869334e+00	9.833880e-01	-6.31754127
## 738	-3.235793942	-5.442125287	-6.073854e+00	2.061708e+00	-3.50441645
## 739	0.828901437	-4.462843030	1.082047e+01	3.925570e+00	0.68475701
## 740	0.712218004	11.611754012	-1.671542e+00	4.569407e+00	9.51988555
## 741	1.855352415	-2.112040797	-6.652925e+00	-1.487946e+00	-7.71564094
## 742	1.043911996	-7.027063034	1.447100e+01	-8.317438e+00	10.19543159
## 743	0.961734460	-5.854878529	-1.337306e+01	-1.317451e+00	-4.83767598
## 744	0.372484901	-3.977282140	-3.488809e+00	6.373485e+00	1.57292094
## 745	-6.414442305	4.136582477	-6.771959e+00	1.069871e+01	6.31847251
## 746	-1.507706181	-3.960713804	2.743813e+00	-7.085365e+00	0.73236206
## 747	-1.803239636	3.464986864	3.554458e+00	2.463925e+00	9.66911689
## 748	-0.723037901	-0.780771268	1.263025e+01	-1.613221e-01	-0.80671433
## 749	-1.291788869	3.595669831	8.590924e+00	-4.607624e+00	-4.39749888
## 750	3.948311801	-4.368176136	-1.547485e-01	6.989455e+00	-14.28883209
## 751	-1.577670707	3.486665050	-6.523701e+00	-1.128291e+01	-4.42258579
## 752	-3.674192615	-4.634213964	6.480432e+00	-4.738471e+00	-3.16817958
## 753	-4.075701472	0.044672338	-5.647294e-01	1.691420e-01	12.66578782
## 754	-1.205126484	-5.406103664	4.349534e+00	-8.848652e-01	-6.30599891
## 755	0.376235971	-4.207585493	-9.784752e+00	4.579133e-01	4.84405183
## 756	-1.473266343	4.592426986	-2.074424e+01	6.910069e+00	-12.85222162
## 757	-0.069551849	-1.910832726	1.209231e+01	7.171488e+00	1.62533264
## 758	4.221204139	6.398708277	6.880590e+00	-2.889940e+00	1.24826067
## 759	-5.900920495	-4.280353810	1.355452e+01	-1.898456e+00	1.96274249
## 760	-4.075660581	7.745047565	-1.988099e+00	-3.347126e-01	-3.18609241
## 761	3.946083570	1.460407554	1.409865e+01	-3.446698e+00	-5.34832194
## 762	-2.259271971	3.164087009	2.058695e+00	3.561255e+00	-3.83886075
## 763	0.748912548	4.401169963	8.767048e+00	-1.379343e+00	23.41715056
## 764	1.512344662	-4.518123265	1.556175e+01	4.752621e+00	-1.96900446
## 765	3.728639011	7.798059294	-1.294858e+01	3.373781e+00	0.45329797
## 766	-1.194860752	1.555900006	7.065264e+00	2.447291e+00	2.12975925
## 767	0.369491112	7.232391726	-2.223223e+00	3.151596e+00	-0.24020398
## 768	-0.278599990	3.363219973	-1.588531e+00	-3.444340e+00	5.93070784
## 769	0.653428059	-2.397446761	-5.120250e+00	-2.032119e+00	0.47160954
## 770	5.347193340	-2.777421427	3.930179e-01	-2.946182e+00	-10.71902241
## 771	-0.242836133	-0.346711630	-6.563324e+00	5.217819e+00	-8.93865846

## 772	5.910651183	-6.986921740	-1.702694e+01	3.288029e+00	14.65787783
## 773	-1.306616820	-5.629181238	1.084050e+01	4.558314e+00	4.11406337
## 774	-3.933742765	-7.741118955	3.474649e+00	3.982875e+00	5.70726116
## 775	-0.665810094	8.135990786	9.516212e+00	1.038130e+00	-1.05071357
## 776	-9.059017775	5.847607980	4.232052e+00	3.512197e+00	-11.54204361
## 777	-1.094174993	0.358458567	4.505785e+00	-2.120658e+00	-6.11260191
## 778	6.764020959	8.358211218	7.556771e+00	7.155699e+00	2.65190647
## 779	1.143631065	-3.090091198	-2.388754e+00	-5.845401e+00	3.93279586
## 780	1.796647571	7.826096845	-6.746140e+00	8.444811e-01	-3.08398721
## 781	-1.746200440	-5.653939093	4.269954e+00	5.204717e+00	-0.85860771
## 782	1.785983255	3.140197538	-3.081799e-01	1.980450e+00	1.15367975
## 783	-1.258887290	3.282027594	2.181491e+01	-4.248469e+00	-13.93766193
## 784	1.870264333	-4.024455169	5.573197e+00	-1.880498e+00	1.70813746
## 785	-2.385426595	-2.549472822	3.582551e+00	4.910644e+00	-0.41571769
## 786	1.501636997	3.165491130	-1.072758e+01	3.569410e+00	-0.04524418
## 787	5.103911082	6.481208340	5.254591e+00	-6.152465e-01	-4.51860169
## 788	4.489289436	-4.730723429	-6.568091e+00	4.215043e+00	0.75390706
## 789	-0.743195589	3.085501250	1.181716e+00	2.977060e+00	0.06823061
## 790	-3.650510651	-2.236215934	1.878498e-01	3.474941e+00	10.64901044
## 791	5.510149294	-3.950833870	7.909762e+00	5.149409e+00	15.46695717
## 792	4.129912876	1.744034742	3.769578e+00	-2.544772e+00	-1.85613425
## 793	-5.443429842	1.800160930	-1.163564e+01	-4.807537e+00	4.04291342
## 794	2.932514313	-9.784836366	3.700793e+00	-5.616153e+00	1.73594464
## 795	-2.247068439	-5.374111868	5.498090e+00	4.773817e+00	-4.39429446
## 796	3.436411625	3.290046428	1.225745e+01	4.097556e+00	4.45913444
## 797	-0.068555553	-3.092926882	1.938771e+00	3.212982e-01	3.39896635
## 798	4.298266352	-3.620409726	1.575657e+01	-2.451362e+00	-2.96012695
## 799	0.057769323	2.752396148	8.182393e-01	-1.879271e+00	6.85940850
## 800	1.703925751	-4.046364257	-1.159808e+01	1.988668e+00	-5.07173952
## 801	-1.691000897	-7.226450170	-7.767410e+00	-4.583186e+00	0.49778428
## 802	4.603350007	-7.796822076	-8.360058e+00	-4.249527e+00	8.66401647
## 803	-4.404669561	-2.448914448	-1.436650e+01	-2.316940e+00	2.86064907
## 804	-2.322012066	0.037881144	-3.286748e+00	3.349112e+00	7.56781175
## 805	0.481250107	-2.186481936	-4.018569e+00	-6.962242e-02	-6.74083731
## 806	2.097156908	-8.748710133	-2.521943e-01	9.430165e+00	17.49694500
## 807	2.037636847	-0.381375796	4.507760e+00	7.011234e-01	8.82889046
## 808	2.416656604	-7.155370216	-8.718279e+00	-3.996632e-01	13.63037978
## 809	-1.303408786	-4.203571718	6.736023e+00	2.503389e+00	5.52525015
## 810	1.175876264	-8.926898036	-1.969601e+00	-5.853303e+00	5.52564754
## 811	-5.149532463	-4.163735263	-7.242420e+00	1.178362e+00	-1.12919101
## 812	-3.674470285	-1.096613622	2.874049e+00	1.185388e+00	-10.64025461
## 813	-7.732723388	0.512366509	-9.485183e-01	-5.381610e+00	5.01840627
## 814	-4.897465704	-9.697339724	2.630435e+01	6.429176e+00	-6.92265511
## 815	-0.037683159	-1.111322246	-2.717518e+00	4.034889e+00	6.17472529
## 816	-1.265467636	-0.502913606	1.216630e+01	-1.796806e-01	3.49089362
## 817	-2.538376827	6.130911213	-7.163215e+00	2.342798e+00	-7.63606256
## 818	3.359704286	-2.499773416	2.803883e+00	4.936474e-01	11.29290731
## 819	0.065568053	2.044527148	-2.020626e+01	-1.904997e-03	-3.38329969
## 820	-1.922887505	-0.793702494	-1.129900e+01	-4.738011e+00	-5.72265738
## 821	0.351147306	-5.888280088	9.902126e+00	4.254990e+00	-0.05127753
## 822	-0.667620964	-2.399615939	-5.782374e+00	2.066789e+00	-4.00581774
## 823	-0.825428759	-6.455457049	-1.327930e+00	3.603112e-01	-5.18046530
## 824	0.102456971	-7.284406661	2.935502e+00	9.092431e+00	-2.49252122
## 825	-1.899086536	-1.351391560	8.759844e+00	7.553384e+00	-4.88286895

## 826	-5.423631369	-3.527579009	6.862439e+00	1.177609e+01	-6.24716909
## 827	-1.933982070	2.044994538	-3.966809e+00	-8.113054e+00	0.19695229
## 828	2.475738241	6.489880520	3.226834e+00	-5.162343e+00	-7.45498591
## 829	1.852441730	7.322865001	1.195007e+00	-7.473544e-01	10.11845893
## 830	2.499332891	-1.856806295	4.017330e+00	-2.995261e+00	3.13293744
## 831	-1.902505645	-7.436668594	3.712734e+00	-2.399620e+00	-15.71124563
## 832	-2.080646555	5.422435762	-1.532997e+00	1.414182e-01	-11.41807719
## 833	7.514886032	-2.751533370	1.226515e+01	4.499671e+00	-7.03763752
## 834	2.243259968	6.717832959	-3.926046e-01	9.821521e-01	-1.35518399
## 835	-1.894198201	7.172033477	2.480282e+00	3.178867e+00	-5.81004218
## 836	0.607798947	3.631400921	-1.125315e+01	1.403967e+00	-8.28827305
## 837	-1.948121831	2.381303716	1.001542e+01	4.730287e+00	-6.40322765
## 838	3.065413865	-0.809086943	1.422108e+01	-1.678508e+00	8.72141584
## 839	1.186248852	-4.962522207	-1.603758e+00	-1.086434e+00	-8.27517956
## 840	2.788838668	-1.474540348	3.011464e+00	3.072344e+00	-5.03114608
## 841	-2.485082218	5.417348102	-1.375636e+01	4.257904e-01	-10.40138663
## 842	2.255139852	0.603761393	9.201048e+00	-1.383123e+00	-15.91392065
## 843	5.572620515	8.639275146	-8.652293e-01	6.654124e+00	2.55920959
## 844	4.263827432	3.676632596	2.172611e+00	-1.161882e+00	-3.92471931
## 845	-5.309641739	4.956492466	1.013701e+01	-9.034107e-01	-2.81558794
## 846	1.402749192	-8.411347335	2.477876e+00	7.094919e+00	6.08560466
## 847	-6.733504698	0.620630287	-2.862926e+00	-6.273321e+00	-4.25705190
## 848	6.208517536	3.115284881	-7.540043e+00	-3.490765e+00	10.64957887
## 849	2.453186498	4.058541487	3.068970e+00	3.604067e+00	7.44469354
## 850	0.613990894	-3.087320354	3.738629e+00	3.723855e+00	4.26200813
## 851	4.870804468	-8.837064490	-3.726751e+00	7.939700e+00	-7.61759779
## 852	1.093001291	2.938358170	-2.045980e+00	6.049221e+00	0.33348381
## 853	5.458244776	-4.187019663	-1.111176e+01	-1.923504e+00	-11.48823840
## 854	-2.712263441	-6.600663992	7.340320e+00	-4.318885e+00	-2.81167114
## 855	0.426538268	-4.590755821	-8.380749e+00	-2.285774e+00	-11.50658663
## 856	6.659706422	-16.099845609	-6.074523e+00	1.421585e+00	-3.48654789
## 857	0.244879774	6.071476802	-1.388647e+00	-1.596226e+01	-5.18607415
## 858	0.499035861	11.096477664	-2.408347e+00	3.077667e+00	-4.52188893
## 859	-6.202586812	0.789380660	-5.668002e+00	-5.542412e+00	6.13288420
## 860	1.145530347	3.829732596	8.946243e+00	-1.909477e+00	-0.48509903
## 861	-0.985645790	-1.951983987	-4.883990e+00	-4.091800e+00	10.17105146
## 862	0.383991070	3.346662856	-2.771770e+00	-7.947555e+00	5.62608244
## 863	-4.123993815	-1.476241062	-6.766153e+00	-3.441043e+00	13.79545947
## 864	0.431957241	2.897464964	1.094602e+01	-5.889584e+00	-2.19944835
## 865	2.483026518	2.335702562	6.734689e+00	3.778254e+00	7.41020417
## 866	-1.157742121	5.841195037	-9.962431e-01	1.351622e+00	-2.72918438
## 867	1.580717081	1.809206588	-2.784335e+00	4.822983e+00	-5.65914697
## 868	-3.468307949	-1.523049946	4.264567e+00	-6.869569e-01	-0.23056257
## 869	0.202376252	-1.854420884	-5.976840e+00	1.574348e+00	3.18909633
## 870	1.409125819	-5.446615629	4.125490e+00	4.281875e-01	4.98982082
## 871	-1.682932328	9.935637229	1.055228e+01	3.594930e+00	7.73489784
## 872	5.498187033	8.001209161	4.846251e+00	6.300358e+00	1.98440394
## 873	0.320364431	7.035160363	1.179009e+01	1.331230e+00	-10.77022739
## 874	-2.554872424	-4.137706376	2.800556e+00	-2.321070e+00	16.66571574
## 875	-1.302406802	0.864085532	-5.724738e+00	5.261645e+00	2.45112981
## 876	0.456431804	3.864885662	1.981558e+01	-3.962213e+00	-0.22959731
## 877	3.254311304	3.238531565	2.680267e+00	2.719990e-01	-1.05474253
## 878	-3.964975612	7.295010402	-5.385565e-01	-2.361845e+00	-1.09535986
## 879	-3.086996818	-9.928564167	-6.643390e+00	2.698930e+00	-3.32419013

## 880	-0.187404744	0.047430346	-1.405439e+00	-1.380596e+01	4.32100454
## 881	-1.475524562	-5.376570302	1.075339e+01	6.798229e+00	-1.44911369
## 882	-5.303737844	5.471790605	7.252211e-01	-1.293444e-01	-7.67405180
## 883	3.339300381	-4.664723787	2.611141e+00	6.773613e-01	-9.11175002
## 884	0.417637787	8.768193496	-5.839967e-01	4.000679e-01	-4.74122332
## 885	4.808386018	-4.871722491	-1.217032e+01	1.285027e-01	-6.57761108
## 886	-4.093536357	-4.147057445	5.453135e+00	-1.489114e+00	-4.70038061
## 887	0.760396516	-6.538318863	-3.215767e+00	-8.372736e+00	5.38023395
## 888	-1.314890278	-1.854260851	-1.657574e+00	5.384994e+00	-11.40628292
## 889	2.659083321	2.004904674	-9.008303e+00	1.226399e+00	1.83114781
## 890	-1.504307462	3.500155816	-2.981214e+00	-1.653018e+00	11.51497617
## 891	4.797299809	-2.139341188	1.000866e+01	-1.528967e-01	4.05730965
## 892	-2.735013185	-3.172184213	-4.374019e+00	-1.111194e+00	-2.47787660
## 893	0.956673262	-9.838576154	2.076457e+00	3.646960e+00	-9.33986596
## 894	2.113721138	2.845604196	3.611278e-01	3.627109e-01	1.33711101
## 895	-2.420312805	-3.908897698	1.879753e+00	2.639819e+00	-4.65071995
## 896	5.946418101	13.288480057	2.663555e+00	1.149415e+00	-1.63507821
## 897	-3.909068066	2.464946807	-4.671627e+00	7.574750e+00	14.56841935
## 898	3.295488475	-1.542644459	4.093482e+00	1.407444e+00	8.68415330
## 899	6.540997773	0.552824916	-3.597292e+00	-5.383773e-01	-9.46370214
## 900	-4.533014880	6.544341103	-4.588004e+00	-4.360072e+00	-6.62413187
## 901	1.093540533	-4.053784471	1.271565e+01	1.443029e+00	7.44610718
## 902	-5.179044222	6.385167311	1.169951e+01	-2.974761e+00	-3.08467264
## 903	5.070467228	2.278919288	1.184175e+00	-1.926107e+00	5.33139624
## 904	0.987521144	-2.468243858	2.930097e+00	5.038467e+00	-6.24835066
## 905	4.228578576	-3.843914192	3.900348e+00	-3.244620e+00	10.65442590
## 906	-0.525077723	4.559326701	7.623613e+00	-3.209276e+00	0.07612433
## 907	0.889895803	-1.399930329	-1.811858e+00	-4.443140e+00	1.91694516
## 908	0.679969060	-3.403736553	-6.228878e-01	2.451971e+00	-2.05875089
## 909	1.406513428	-4.148553069	3.790821e+00	-2.082446e+00	16.97593139
## 910	2.222902577	3.629532993	-2.556856e+00	-8.115683e-02	-10.92531491
## 911	-2.463046469	-3.386660247	-7.999048e+00	1.410914e+00	2.66868926
## 912	-0.064797357	3.258752365	-1.663132e+01	6.239317e+00	-1.91075327
## 913	-3.361203969	4.615842221	4.765272e+00	-3.086255e+00	-15.19885399
## 914	3.556411517	7.696266488	1.427755e+00	7.371705e+00	-4.63036578
## 915	-1.752866245	-1.571664196	3.638603e-02	-2.055191e+00	-5.57996736
## 916	-0.987818271	0.692877202	-9.624612e+00	-1.247907e+00	-5.97005999
## 917	-2.309081745	0.064503567	7.328050e+00	2.151945e+00	-3.51650882
## 918	0.606337775	-1.071215136	6.694500e+00	-4.330188e+00	-12.01171748
## 919	-6.316439077	4.987248344	-9.658143e+00	-2.573760e+00	15.10408766
## 920	1.329808663	8.034155498	6.783262e+00	-7.364286e+00	2.98965243
## 921	-2.574919735	0.976428323	5.549398e+00	-6.639989e+00	13.65547339
## 922	2.766828759	-1.840914989	-4.975307e+00	-1.260852e+00	10.06699358
## 923	-0.600426264	-3.724019331	8.495619e-01	-8.353333e-01	-2.56836436
## 924	-0.746858932	0.082557827	1.086824e+01	4.215835e-01	-6.32229137
## 925	3.433853845	-5.870225506	-1.453086e+00	3.868228e+00	16.06234112
## 926	-6.699839514	5.274495808	6.715004e+00	2.229344e-01	1.44773319
## 927	0.993112714	2.534120350	-4.313263e-01	1.233718e+00	5.51035299
## 928	-6.320086282	-4.009068537	1.356086e+01	2.185863e+00	-17.96590949
## 929	-3.396842464	-6.570503373	2.044010e+00	-2.528055e+00	4.97874520
## 930	1.542596047	-0.869796561	1.573123e+00	1.737313e+00	5.81072804
## 931	1.600128536	-8.007026631	3.726100e+00	4.798261e-01	1.14676702
## 932	-0.623238815	3.723538750	6.727950e+00	7.523452e+00	-2.89094652
## 933	-5.404720730	-1.452427128	-1.358038e+01	2.259583e+00	6.41296226

## 934	-2.256457764	-13.632795997	8.515521e+00	3.885984e-01	7.25739495
## 935	-0.587477903	6.897454412	-1.132470e+01	-4.296931e+00	4.87775286
## 936	4.723121448	-4.355228432	-9.961756e+00	5.221267e+00	7.87341178
## 937	-0.219777631	7.355233450	-3.395569e+00	1.199639e+01	5.41639069
## 938	-4.681622912	-11.710235622	-2.157981e+00	4.114397e+00	4.35152298
## 939	-0.564539046	-0.459894364	2.553435e+00	-3.206876e+00	3.97525736
## 940	3.283540400	-2.733227367	1.783685e+01	-9.156075e+00	-0.58129252
## 941	-4.796822708	2.362458757	-2.817452e-01	-4.519161e+00	8.63205116
## 942	-3.016428106	-2.922873097	-9.196267e-01	-6.473415e+00	2.93537290
## 943	2.963801699	-1.342399622	1.037278e+01	-1.158983e+00	0.83736659
## 944	0.893800397	6.148769829	-1.510559e+01	4.116091e+00	-6.39078177
## 945	2.059522592	8.468098788	6.752896e+00	1.060641e+00	10.99966832
## 946	4.624535685	-1.178409796	-9.914724e-01	-1.540787e+00	-2.11704395
## 947	-1.614225561	1.748593815	4.054306e+00	4.944531e+00	2.27948482
## 948	-0.450235531	2.512864179	1.889336e-01	3.785528e+00	-5.83243818
## 949	2.501809187	-0.788734432	1.881013e+00	-5.737937e+00	5.29694927
## 950	2.963479799	5.643452444	-1.119815e+01	-1.263837e+00	-1.51512172
## 951	-2.232115856	4.256987823	-2.853170e+00	-1.842834e+00	1.10691206
## 952	1.354032514	7.584312472	1.104215e+01	7.275662e-01	-1.15181310
## 953	1.092472744	-5.694903080	-9.662036e+00	3.083161e+00	1.11013343
## 954	5.605240547	3.489586650	-1.097510e+01	-4.393707e+00	-5.09902508
## 955	0.655041008	-5.323274567	7.136073e+00	-3.645405e+00	4.45205733
## 956	1.678827358	5.852962638	-1.961638e+00	-3.985472e+00	1.76631710
## 957	3.675199453	3.600003257	-1.085053e+01	3.374216e+00	-12.28382284
## 958	3.829469837	0.331845363	-1.320208e+01	6.092812e+00	-3.75715307
## 959	5.217113290	-4.387649781	-1.758271e+00	6.212015e+00	16.37307289
## 960	-0.245131802	0.454413670	-1.106428e+01	2.436416e-01	11.08835736
## 961	-6.932620019	-7.192853469	-1.361407e+01	-2.809636e+00	3.01804157
## 962	-5.219471277	2.401991008	3.187294e+00	-6.895519e+00	8.22964536
## 963	-0.515906600	2.936680307	-5.654463e+00	-2.157440e+00	0.81690632
## 964	-1.322979432	-0.515881344	-1.139590e+01	4.356234e+00	-7.58322367
## 965	2.426768867	-6.886811689	-3.700835e-01	-8.067474e+00	5.30991088
## 966	-3.157160691	1.389715641	-8.368006e+00	5.225728e+00	-7.48641176
## 967	-0.860750457	-6.908019750	-8.187590e+00	-6.553057e+00	-3.47858495
## 968	-2.504230364	1.330952814	4.386346e+00	-3.302706e+00	-8.81920055
## 969	0.808664674	-5.548922496	-1.025433e+01	5.583566e+00	9.44082196
## 970	-3.259482391	3.151989232	3.307587e+00	5.145084e+00	-1.56569931
## 971	-0.686430775	1.879527158	7.869213e+00	1.303645e+00	18.38516241
## 972	-0.383596967	0.026035701	-2.575199e+00	-2.571070e+00	-15.61418568
## 973	1.099776669	-0.204176637	2.252988e+00	1.196729e+00	-4.98702165
## 974	3.688339431	2.479200855	-6.482200e+00	7.605716e-01	-11.75964799
## 975	-3.672130828	-4.872146624	4.502877e+00	5.181376e+00	-7.18267094
## 976	1.509378116	-2.629363052	4.860277e-01	-8.120198e+00	6.51650869
## 977	-0.036825730	5.123187657	4.261986e+00	-9.726652e-01	2.79207156
## 978	3.757157976	-9.960023535	-5.628851e-01	3.669925e+00	0.34693741
## 979	2.109484659	7.690788560	-1.143184e+01	3.871362e+00	-1.53002001
## 980	-1.007189296	-10.825357165	-1.173494e+00	-5.248335e-01	7.72669114
## 981	0.587604442	1.517516062	-8.372234e-01	2.004558e+00	-4.57650224
## 982	1.716089096	4.787563481	3.751830e+00	1.622034e+00	5.87836760
## 983	-4.042572580	-7.411040338	-1.249118e+01	2.335947e+00	1.83154364
## 984	-2.639192656	1.106121238	-3.525778e+00	3.638327e-01	1.53525369
## 985	5.152603056	10.801916453	3.821338e+00	1.905473e+00	-6.14039770
## 986	-1.448163731	5.520355791	4.196079e+00	-5.369655e+00	4.14600769
## 987	1.046440650	-4.901277671	7.702406e+00	6.986280e+00	-1.12759085

## 988	-0.126773506	0.206578570	-1.989116e+00	-1.255499e+00	10.66590529
## 989	-0.880265848	5.998418821	-3.493679e+00	-2.424280e+00	6.75847894
## 990	3.776816039	6.351878245	5.067979e+00	-4.208226e+00	-1.17769524
## 991	3.918236219	1.875933166	1.710850e+00	6.953131e+00	-2.98919692
## 992	-1.299583754	5.975653017	-1.810736e+00	-7.679532e-01	-11.07549182
## 993	-0.660536426	-9.672606014	5.469078e-01	-6.201944e+00	3.03680387
## 994	1.624897516	-1.757429573	-6.112752e+00	-2.714514e-01	3.02744270
## 995	-9.779615337	5.711143351	3.242932e+00	-1.732575e+00	-5.25236962
## 996	-1.208772362	2.627908156	1.193405e+01	8.050898e-01	-4.54931209
## 997	-2.740375828	-7.859927434	8.196098e+00	5.579297e+00	11.28763328
## 998	2.258804858	2.329008710	2.611326e+00	4.844952e+00	0.23360856
## 999	3.499978423	3.077812645	6.555819e+00	7.870583e-01	0.19622257
## 1000	3.209909302	-4.118173143	-9.678808e+00	1.022525e+00	-10.83927820
## 1001	-1.400495570	4.354483108	1.195979e+00	8.422562e+00	-11.63568359
## 1002	1.133934639	2.183618896	1.148546e+00	5.627055e+00	0.30943699
## 1003	-0.371042433	-2.535574631	9.250502e-01	-4.209215e+00	-5.31923774
## 1004	3.961135801	-6.725954672	-3.132133e-02	8.724700e+00	1.23869144
## 1005	-4.304525255	-6.078318916	-3.155442e+00	7.557362e+00	-0.76559647
## 1006	4.280217331	6.971133614	1.041450e+01	1.642098e-01	-0.19045747
## 1007	-5.360292994	-8.789015069	-2.308739e+00	-1.637015e+00	-0.37075563
## 1008	0.682275309	5.294844825	-6.597176e+00	-3.483720e+00	-6.09173383
## 1009	4.340717124	-3.797521680	-2.947428e+00	6.911874e+00	-7.05124080
## 1010	-3.778446725	10.068224491	-8.056501e+00	-1.593166e+00	5.67209059
## 1011	-0.016025274	-8.881700347	9.496331e+00	-4.676618e+00	6.22379500
## 1012	1.847300856	5.226366585	4.782967e+00	-5.274074e-02	4.76427357
## 1013	-0.291357247	3.641752755	8.275348e-01	-7.066697e+00	-3.12994390
## 1014	-1.834776496	-2.949570213	1.012021e+01	-3.934429e+00	1.58340731
## 1015	3.479025621	4.959963993	1.460576e+00	2.227000e+00	3.95977947
## 1016	-2.856507287	-2.443933982	-7.766439e+00	1.504452e+01	-7.21773212
## 1017	-0.094125227	-0.246797834	1.086169e+01	2.215938e+00	2.75807883
## 1018	3.468763407	-0.723449025	-6.271101e+00	5.456281e+00	-15.43599430
## 1019	0.345614557	3.926984886	-3.444413e+00	1.707295e+00	-1.28439330
## 1020	-3.362967662	3.644872365	8.126011e+00	-2.910514e+00	3.20335177
## 1021	0.742239905	7.324020567	2.178203e+01	-1.962235e+00	7.42520373
## 1022	-5.222250462	5.144394286	2.048638e+00	3.346138e-01	-9.73868986
## 1023	-5.470736170	-1.122134093	1.849614e+01	1.201615e+00	-4.36093897
## 1024	2.651674474	-2.555464136	-1.045509e+01	6.119347e+00	-4.58880460
## 1025	-0.186301800	-5.729128271	-3.900175e+00	5.484745e+00	-4.06874759
## 1026	1.095427526	-4.111942526	5.548800e+00	3.359776e+00	1.42285650
## 1027	0.300152838	-3.805004818	-1.450113e+00	-5.495162e-01	1.68017529
## 1028	-3.232301227	7.269422892	7.650335e+00	-6.001862e+00	6.06458776
## 1029	-0.032005378	-1.454862655	5.937633e+00	-1.729175e+00	1.84223301
## 1030	-0.397303622	0.070420417	1.300984e+01	-6.693353e+00	6.20869077
## 1031	2.440580911	0.738544680	4.946341e+00	5.509543e+00	15.90498999
## 1032	2.976013217	-1.743705794	-1.252267e+00	2.160695e+00	11.62534305
## 1033	-0.295650323	-3.943858122	7.037868e+00	2.261811e-01	-8.80740176
## 1034	-3.403413415	-0.841379652	1.947278e+00	-1.807278e+00	-8.57304888
## 1035	2.686107171	-6.078962999	1.860450e-01	6.559071e+00	3.39243582
## 1036	4.206775340	9.302682324	-8.152203e+00	-1.215092e+00	-13.92368170
## 1037	9.303900971	-13.232293074	-7.494089e-01	1.761405e+00	0.68364042
## 1038	-3.964801128	4.464570832	-2.782108e+00	4.896890e+00	-2.56618275
## 1039	-3.169004287	0.389552336	1.830456e-01	-1.492378e+00	2.93841392
## 1040	1.536684428	6.704680569	-7.455899e+00	-4.857424e+00	-16.65479986
## 1041	1.498132151	-4.038624336	3.142322e+00	-3.540592e+00	0.72242654

## 1042	3.290985396	1.355399706	-2.543057e+01	6.835145e+00	-2.50101269
## 1043	1.527184003	1.595844869	4.174672e+00	1.670052e+00	2.00530829
## 1044	5.473041432	1.224058749	4.912912e+00	3.495384e+00	1.13111856
## 1045	-1.566010562	-5.963468582	1.728997e-01	1.167801e+00	11.53365584
## 1046	3.476800686	3.995948244	-4.469090e+00	3.479995e+00	-6.41165689
## 1047	-0.166946981	0.120407738	-1.024125e+00	-1.890190e+00	5.66220145
## 1048	1.001527260	0.816012952	-5.117954e+00	-3.758958e+00	-4.73624413
## 1049	-1.968371750	1.212974548	7.421918e+00	4.692546e+00	3.12398852
## 1050	-1.287113471	-2.207056432	-2.012210e+01	-1.724713e+00	-2.76921412
## 1051	-0.005939016	10.453075380	-3.127725e-01	6.918218e+00	-0.73164869
## 1052	2.550131041	-3.497522913	-1.505366e+00	3.990984e+00	-12.54654113
## 1053	-0.316499022	1.219402294	-6.373612e+00	5.098937e+00	-0.48628564
## 1054	3.598073601	-0.147329983	1.445450e+01	-5.708705e+00	-4.59401566
## 1055	-2.274525396	-5.459935849	-2.692363e+00	-1.762607e+00	-10.13238240
## 1056	-3.605723694	0.008126763	1.208264e+00	-1.201320e+00	-3.89107001
## 1057	0.452920541	0.122253695	9.821482e+00	-4.502180e+00	-0.10679788
## 1058	-1.355512429	-0.159079038	2.350365e+00	5.117884e+00	2.54866587
## 1059	-2.760362245	1.293530178	3.928198e+00	-1.302057e+00	11.35636534
## 1060	-5.303832185	-4.959595251	2.459003e+00	6.305883e+00	0.40423430
## 1061	4.908101904	-6.465902622	5.595889e+00	-3.635178e+00	-2.03199094
## 1062	-0.654220041	-5.399643784	1.120925e+01	6.258536e+00	-13.74201838
## 1063	5.047931854	1.328445575	-6.434902e+00	1.981973e+00	0.49463695
## 1064	3.144835914	-7.882912103	2.222417e-01	1.831991e+00	13.80384017
## 1065	-3.492046621	5.719885552	-1.016389e+00	5.827384e+00	2.13210125
## 1066	0.050737827	-1.257309193	-6.170156e+00	-1.244845e-01	-8.04329313
## 1067	-1.525158430	-1.653094394	-7.414346e+00	-5.020291e+00	1.89049685
## 1068	-1.334222637	-8.393515401	-1.638802e+01	1.520328e+00	5.53625331
## 1069	-2.592073142	-2.730558776	9.088504e+00	-2.718512e+00	-10.23239629
## 1070	4.314876572	4.646011690	2.570801e+00	1.427017e+00	-2.31565950
## 1071	-7.836731297	0.275916693	5.611463e-01	9.557999e-01	-0.74162256
## 1072	-2.822520230	-3.589778610	1.056968e+01	2.254745e+00	11.56116809
## 1073	-0.927878264	4.901676963	-3.741841e+00	3.932234e+00	8.07085202
## 1074	-4.214897211	-0.034369632	-7.168737e+00	-4.126996e+00	9.06866087
## 1075	-2.981692893	10.688700478	7.062757e+00	2.730107e+00	-9.27249746
## 1076	3.214983589	-2.907188935	1.091946e+01	-9.139800e+00	-0.39339968
## 1077	0.658174624	-2.016618575	2.013659e+00	-8.631527e+00	-0.96852263
## 1078	-3.651431514	1.369129947	2.687797e+00	-1.526558e+00	-6.16908697
## 1079	1.904973115	-7.886634326	-7.653899e+00	-5.487495e+00	2.33249822
## 1080	1.286623340	1.538867058	-5.650251e+00	5.361749e+00	-7.34523093
## 1081	-2.013519441	8.659353648	2.130211e+00	2.659804e+00	5.42120895
## 1082	-1.926160515	8.729477919	2.400707e+00	6.549096e+00	-5.75722493
## 1083	0.107247014	7.984465980	-7.191304e+00	-1.835293e+00	-2.13331499
## 1084	3.041920157	1.494872058	5.100775e+00	9.011382e+00	-7.18395805
## 1085	-0.268578711	-1.816326205	4.788589e+00	5.006729e+00	-4.54281775
## 1086	-0.089732719	-9.188258335	3.933225e+00	-2.202376e+00	0.48425618
## 1087	6.863518717	3.406702305	-1.445754e+00	3.731692e+00	-4.13786524
## 1088	-6.708651433	-8.014785154	-1.131340e+01	5.183395e+00	0.54476151
## 1089	-1.430316116	1.905101022	6.272156e+00	-9.230263e-01	-4.80599674
## 1090	-4.645523304	4.538175128	-5.529434e+00	-3.457692e+00	-1.59839076
## 1091	-7.847229733	-1.996639354	1.436056e+01	1.429685e+00	-13.27656020
## 1092	2.433566331	-3.985645634	-1.276465e+01	7.866836e+00	1.95814958
## 1093	-2.185705538	1.653798460	1.199406e+01	1.896495e+00	-3.96529904
## 1094	-2.022791060	-2.962018261	7.405292e+00	1.996967e+00	4.74879051
## 1095	-2.771120212	-0.365233256	-7.832507e+00	1.524139e+00	3.61785274

## 1096	-5.206205994	1.056552654	-7.961355e+00	-4.312573e+00	-11.97312423
## 1097	-0.858851609	-4.685967179	4.232294e+00	2.831580e-01	-9.31186143
## 1098	2.517818442	2.201862077	2.427494e+00	-1.099239e+00	4.63800581
## 1099	-2.920767812	0.562744164	-4.777326e+00	3.071152e+00	-16.82855271
## 1100	0.080653256	-3.421316688	-1.311851e+01	-1.050104e+00	-5.10883003
## 1101	-5.015441507	-7.429785008	7.685808e-01	-3.836208e+00	1.92374857
## 1102	1.094543500	0.356508007	-2.207254e+01	-4.653272e+00	21.24639353
## 1103	1.445895816	-2.567126676	3.674096e-01	-5.850595e+00	-0.05134296
## 1104	-2.053627329	-1.933661092	2.528983e+00	-4.929909e+00	-2.76451051
## 1105	-3.556369232	-1.263305747	2.435570e+00	2.957682e+00	5.66157332
## 1106	-0.942064172	-5.036008396	5.985981e+00	-4.621099e+00	10.44749066
## 1107	1.324306962	-0.094078695	-1.628364e+00	-5.382648e-02	-2.22741876
## 1108	-9.864375590	4.443700382	-4.745646e-03	4.616625e+00	-4.99968366
## 1109	3.535446590	-2.890390920	1.181226e+01	1.684479e+00	12.66492225
## 1110	1.398573863	5.908296454	1.146575e+01	4.292592e+00	6.57753689
## 1111	-5.874616940	-5.125383133	1.270718e+01	-2.167596e+00	-3.49707429
## 1112	-2.881935388	5.431245077	-1.833936e+00	-3.964101e-01	-6.60832339
## 1113	-0.873365777	-2.028315668	1.128179e+01	7.638786e+00	5.65290124
## 1114	-1.624547213	-0.006771054	1.203541e+01	-5.595386e+00	1.62994504
## 1115	-0.850978515	-0.714629323	9.777046e-01	1.953478e+00	-2.53773189
## 1116	5.623288904	1.832520559	-5.549037e-01	1.449655e+01	-9.69368930
## 1117	1.487527395	5.881000006	6.644396e+00	9.354483e+00	5.05243625
## 1118	-2.497579281	3.957698267	8.979967e+00	-1.058390e+00	1.99901565
## 1119	1.224272687	3.230456218	4.419138e+00	4.087599e-01	9.59346158
## 1120	-3.509387873	1.045916053	6.736752e+00	2.018470e+00	2.05884626
## 1121	2.952430234	-6.719480951	-2.701438e-01	-5.137455e+00	2.68148690
## 1122	0.793146134	0.815685886	-3.005286e+00	-1.111027e+01	-7.28789750
## 1123	-1.844349220	-4.966983657	2.510511e+00	4.783135e+00	3.74270808
## 1124	5.281154787	7.185545848	-3.539374e+00	4.461421e+00	5.09350913
## 1125	-4.837327152	6.881585075	1.059637e+01	2.775861e+00	-2.33318879
## 1126	-0.437592974	4.035901419	-1.461461e+01	-5.607195e+00	-1.99948719
## 1127	-4.049657719	6.030189119	9.841628e-01	2.780109e+00	-4.82118348
## 1128	0.744600819	-3.758389739	-1.882631e+00	1.096378e+01	-4.43888746
## 1129	1.470298090	3.654630562	-9.365477e+00	-1.347963e+00	-5.39352840
## 1130	2.387753034	6.464746196	-1.626569e+00	9.817391e-01	-2.89566057
## 1131	1.112954776	-2.960957987	-2.446785e+00	-3.261125e-01	0.49291906
## 1132	-1.043656916	-3.168223865	6.327933e+00	4.324293e+00	-8.88808825
## 1133	4.664530530	5.717529406	4.966644e+00	-4.695126e-01	1.03283749
## 1134	-1.462175683	1.783536454	1.440167e+01	-3.239696e+00	3.71894479
## 1135	-3.365589954	5.171370280	-7.760037e+00	4.710544e+00	-4.28204017
## 1136	2.826185281	3.924093439	-6.540448e+00	3.214407e+00	1.02065811
## 1137	3.498748811	10.929837077	-1.103020e+01	-2.093486e+00	-2.36737831
## 1138	-1.104036862	-4.494632637	1.357560e-01	-2.340837e+00	2.29691623
## 1139	-5.388713727	4.444018249	-6.754151e-01	9.702219e-01	-8.43709786
## 1140	-5.364581387	1.746314676	4.363025e+00	5.284199e+00	-5.05016809
## 1141	5.390284545	-8.068237900	1.549913e+01	2.352217e+00	-8.25232975
## 1142	-1.676603688	-10.571540635	1.506162e+00	7.125078e+00	3.53019422
## 1143	-0.131327340	7.426667885	4.526383e+00	9.250777e+00	0.07595773
## 1144	-1.965904009	-3.625181428	4.759723e+00	-3.606588e+00	-0.52700158
## 1145	-0.173579785	-0.436824636	-5.298457e+00	-4.359662e+00	-11.47946697
## 1146	2.512818229	3.251723183	2.348606e+00	9.200147e-01	-17.63073263
## 1147	0.016872467	3.139582240	-4.426030e+00	-2.027832e+00	-13.28010778
## 1148	-1.134609984	-12.990389951	-5.346965e-01	-1.284199e+00	0.76650653
## 1149	-1.228916215	1.893416209	1.142604e+01	-6.156369e+00	0.30790166

## 1150	-1.080785627	7.654582584	-1.466802e+00	-5.429800e-01	-10.50322530
## 1151	1.089442011	-3.919853190	6.152301e+00	2.110376e+00	-4.64036999
## 1152	1.635717702	6.460954149	8.941646e+00	4.967492e+00	3.60526394
## 1153	0.024375360	1.189052695	-1.282268e+00	4.832550e+00	-4.97508447
## 1154	-2.060727583	-1.708757919	-1.375267e-01	4.027512e+00	-1.34098830
## 1155	-1.889269617	-11.359910874	-2.445634e+00	1.869521e-01	0.09558542
## 1156	0.067739390	-3.417288239	-5.292558e+00	3.524576e+00	0.38546759
## 1157	3.264687371	5.630550746	-8.800784e+00	5.717157e+00	3.69017241
## 1158	0.703288858	4.426592189	8.716688e+00	7.202236e+00	-7.56954461
## 1159	1.710924547	-3.011151528	-7.628524e+00	1.447524e+00	1.66091030
## 1160	1.275180523	-4.199962465	-8.906873e+00	3.622299e+00	-5.05411494
## 1161	-2.504495080	7.270452663	-6.923328e+00	-3.198043e+00	-5.76005073
## 1162	5.398395716	-8.878743528	-5.683035e+00	4.885824e-01	-4.59409593
## 1163	2.850907474	-6.003077085	7.781080e+00	-3.348616e+00	3.54997682
## 1164	0.714083280	-1.074848758	-5.688612e+00	6.485025e+00	3.50157027
## 1165	1.155379141	2.025520947	1.038593e+01	-1.310959e+00	3.18155423
## 1166	-3.948261279	-4.492063909	2.118494e+00	9.658720e-01	9.00963783
## 1167	-2.591456773	-2.720086966	1.080511e+00	1.441122e+00	7.62353211
## 1168	-5.627584935	8.344382335	-1.287794e+00	-4.720519e-01	-2.82972405
## 1169	-0.337634953	-8.848912042	5.292193e+00	-6.081014e+00	7.24202484
## 1170	0.349762162	-3.235424602	-6.389297e+00	5.194988e+00	5.82745619
## 1171	3.527008867	9.229163294	5.055974e+00	3.882820e+00	12.10778798
## 1172	2.019638588	7.038170917	-1.496748e+01	-3.497333e+00	-9.99813588
## 1173	-0.615989699	-4.013536068	2.492953e+00	-2.772467e+00	5.31104965
## 1174	-6.185495623	-5.025700862	2.016972e+01	4.207788e+00	1.01127577
## 1175	-3.283165972	-4.355084196	7.062781e+00	-6.347901e+00	-0.29034684
## 1176	-4.933162567	-2.942707274	3.912042e+00	6.227450e-01	-4.98914239
## 1177	1.505033274	2.560366284	-1.265996e+00	4.107168e-01	-4.68490964
## 1178	-4.555346547	0.381240088	5.443874e+00	1.737086e+00	-21.40841267
## 1179	-1.064167867	3.092099494	1.027763e+01	-1.938737e+00	-4.29549951
## 1180	-0.151736000	-0.255322460	1.721233e+00	1.225198e+01	-3.30120812
## 1181	2.633298950	2.341757569	-8.305470e+00	8.800494e+00	2.34958263
## 1182	-3.472212416	2.200125283	2.218961e+00	-6.789192e-01	-7.87423155
## 1183	-1.341099330	-3.646455534	-4.852336e-01	-2.088295e+00	-0.68347406
## 1184	5.991142569	-2.014663468	-5.355002e+00	1.954721e+00	3.19622365
## 1185	0.582146986	-4.790345554	1.307063e+01	1.287311e+00	9.88798449
## 1186	3.375992325	4.707710699	4.244119e+00	2.085030e+00	-1.63045697
## 1187	-0.861971459	2.510191709	5.738920e+00	2.413486e+00	-4.32568423
## 1188	-0.125539173	0.186272780	-5.308834e+00	-3.330121e+00	9.15038750
## 1189	-4.221254487	-11.460160057	1.326261e+01	2.096429e+00	-8.41127702
## 1190	-2.283961250	2.308378425	4.713957e+00	-6.665772e-01	9.33730269
## 1191	5.181045851	2.201536169	7.339733e+00	2.353912e+00	12.73213958
## 1192	-1.160279508	-1.287483644	9.644963e+00	-9.203713e+00	1.06665277
## 1193	0.324260468	-3.232639259	-7.223620e+00	1.476509e+00	10.48304872
## 1194	-3.393192335	8.942733361	8.592087e-01	2.987197e+00	-0.50625883
## 1195	2.378443299	-2.846204034	2.538296e-01	3.123033e+00	-3.96306363
## 1196	1.589566545	2.661789320	4.267741e+00	6.930107e+00	7.98978892
## 1197	1.586152814	-1.429294367	5.429367e-01	4.491515e+00	-5.61178180
## 1198	-3.744858475	-0.689180628	-4.323350e+00	1.517939e+00	1.13985110
## 1199	1.312681354	-5.319747419	5.338056e+00	3.180647e+00	-14.13504301
## 1200	0.663046182	-0.785706489	-3.214569e+00	5.791254e+00	8.30409132
## 1201	-1.404992736	5.547387994	-1.345631e+00	2.902108e+00	-5.22075628
## 1202	3.898627297	13.223421010	-1.361402e+01	-1.240894e+01	7.62397335
## 1203	1.018312032	-6.341554990	1.511527e+00	2.196951e-01	2.10636912

## 1204	1.517245117	2.520284464	4.512134e+00	2.955876e+00	7.12632884
## 1205	1.677677257	1.112342430	3.447403e+00	2.752828e-01	-2.96351139
## 1206	1.930556463	0.209051731	-1.871071e+00	1.416202e+00	-7.66519337
## 1207	5.312429636	0.984618959	6.251080e+00	-6.492812e+00	0.10470602
## 1208	-4.018779915	4.132077748	-2.936582e+00	1.118666e+00	-1.11653127
## 1209	0.979057516	4.456180527	8.588691e+00	2.703983e-01	8.27714364
## 1210	2.768616685	-4.104742071	4.422210e-01	-2.286317e+00	-3.09829220
## 1211	-1.417903944	-4.534623265	2.660588e+00	1.937577e+00	0.30505565
## 1212	-0.829162947	0.825711199	5.885353e+00	-8.624317e+00	-7.40790264
## 1213	7.827311758	1.733071290	-2.245101e+00	7.409267e+00	0.87611684
## 1214	5.453240209	-2.560278268	-6.990501e+00	-5.726369e+00	0.06290478
## 1215	3.527243483	-0.167270236	-3.203086e-01	-5.309308e+00	1.18667968
## 1216	1.271543370	0.493701697	-7.510533e+00	6.956684e+00	2.74801861
## 1217	0.585905340	2.446695084	-2.596922e+01	1.176782e+00	-2.39931769
## 1218	-0.634059581	-9.578217458	7.543413e+00	1.556018e+00	-1.04432178
## 1219	0.097160520	0.001810742	5.690731e+00	-4.041471e+00	-5.81580351
## 1220	-5.937147432	7.339714014	6.214063e+00	-5.293320e+00	-1.90371052
## 1221	-0.686992076	-0.382972860	-1.474303e+00	-2.797845e-01	2.91322769
## 1222	-3.856196143	5.133660097	-1.658690e+01	2.637864e+00	4.71587327
## 1223	-0.362072467	-2.588893821	4.206542e+00	9.277976e-01	1.18979962
## 1224	-0.952940735	-2.943162097	-1.253307e+00	-4.160209e+00	-3.42920553
## 1225	-2.367507895	-1.009230996	-2.847164e+00	2.178148e+00	4.30494640
## 1226	5.124963017	5.230639212	-1.734751e-01	-5.093581e+00	-4.43602783
## 1227	-1.051110077	-2.587583016	7.595623e+00	1.268096e+01	-0.01526570
## 1228	4.626090818	-2.835954963	1.614055e+00	-1.716855e+00	1.87225176
## 1229	0.254964420	4.873514473	1.061763e-01	7.723214e-01	-11.09650939
## 1230	0.811973577	8.108080731	-6.486541e+00	-1.775614e+00	0.17624913
## 1231	4.356781289	-2.470727431	2.067159e+01	2.347255e+00	-1.75421779
## 1232	-0.720757091	0.436734232	-5.990840e+00	2.365588e+00	0.35969854
## 1233	-1.155168202	-10.632154437	-9.128491e+00	3.159185e+00	-11.63231751
## 1234	-0.126326717	-0.823991665	9.542048e+00	-1.019420e+01	-3.01159487
## 1235	2.055884261	4.140801803	7.812732e+00	-9.106789e+00	-1.82238780
## 1236	2.976277017	-2.610597671	3.281072e+00	5.542533e+00	-0.40682687
## 1237	-1.545702663	10.492820132	-2.043581e+00	-1.393817e+00	0.58142086
## 1238	0.341875075	-5.080676075	-1.111380e+00	5.949828e-02	16.37363008
## 1239	-2.674348430	6.911665688	-2.941798e+00	8.185778e-01	2.61032102
## 1240	-0.857185755	-1.030557103	1.842480e+00	2.155345e+00	14.08784416
## 1241	1.664990115	-2.464263414	-4.950259e-01	7.481006e+00	-2.51138707
## 1242	4.309575602	-8.585785244	1.852739e+01	2.322824e+00	-3.21127191
## 1243	-3.597384290	4.282128508	-6.577332e+00	-7.043443e+00	7.47931914
## 1244	-1.875537394	5.210004371	6.232408e+00	4.342252e+00	-8.05937057
## 1245	5.304015615	0.263383433	7.150199e+00	4.428496e+00	-1.97072754
## 1246	1.293574676	6.555144153	-1.432435e+00	3.262866e+00	8.80646651
## 1247	-1.134574302	-1.023590397	-1.204712e+01	5.317066e-01	-6.02011302
## 1248	1.388159417	4.773971402	1.705078e+00	2.385431e+00	7.80348129
## 1249	4.779768409	-4.064708953	-2.097719e-01	-2.600533e+00	-5.83195200
## 1250	-6.985968457	-2.021963656	-1.936282e+00	-4.609013e+00	-2.70757815
## 1251	-1.309191734	1.221131586	5.175090e+00	4.115216e+00	-3.51360584
## 1252	0.516257728	-7.824072597	3.664575e+00	3.679640e+00	7.61226225
## 1253	-0.861625237	5.964767002	1.771973e-01	-1.111075e+00	2.66760608
## 1254	0.309217438	-11.526672374	3.065554e+00	-3.754800e+00	-0.59191257
## 1255	0.587298169	1.606047910	9.105084e+00	3.719005e+00	-4.60433789
## 1256	-2.614008809	-4.138015722	-4.886858e+00	3.971708e+00	10.09898091
## 1257	-3.523988624	-2.533195586	7.548922e+00	1.087905e+00	-0.28802009

## 1258	-4.004550784	3.670328947	2.413072e+00	-1.616427e+00	-5.06508097
## 1259	-1.110102667	-7.995474226	-4.547892e-01	1.112459e+00	-3.89932525
## 1260	-4.196409500	11.352729243	1.539564e+01	-2.814618e+00	2.54159572
## 1261	-3.305329963	3.946189436	1.579677e+01	4.739392e-01	-2.01777825
## 1262	2.459262279	-2.687647000	-1.118442e+01	-2.798590e+00	2.08200478
## 1263	-8.891842699	3.727248977	4.745617e-01	3.426567e+00	18.25467697
## 1264	-5.765772112	-2.974012271	-2.290747e+00	-6.051581e-01	-6.90283405
## 1265	0.191616712	-0.170760789	1.092498e+00	8.372564e-01	-9.73032917
## 1266	0.821428650	-0.344572769	1.821530e+01	-4.414699e-01	2.16305756
## 1267	-3.801949954	6.771837128	2.745362e-01	-4.823416e-01	5.88680383
## 1268	4.445941337	4.017954982	-9.554414e+00	3.536760e+00	-0.46880076
## 1269	-1.670021820	-1.140826683	-2.763412e+00	2.663470e-01	9.91071140
## 1270	-1.092050189	4.514058925	3.327959e+00	-7.377367e+00	6.87909513
## 1271	0.849947980	3.472719444	6.111460e+00	-3.417728e+00	-0.48854292
## 1272	-2.329760066	-2.391781047	-4.087148e+00	-5.536039e+00	7.84876318
## 1273	-3.443888199	7.827727011	-2.290918e+00	-4.969359e+00	-8.00681211
## 1274	1.138793602	2.493827755	4.652103e+00	6.993890e+00	0.32439616
## 1275	1.312705742	-0.047318236	5.337785e+00	-3.834876e+00	13.58106282
## 1276	-4.309449925	2.791886988	2.005564e+00	7.717925e+00	-5.68419537
## 1277	2.794465859	-3.947138355	-4.423236e+00	-2.387427e+00	4.37199553
## 1278	3.730120735	-4.604454279	2.060312e+00	1.695126e+00	9.80452938
## 1279	1.685301922	-4.306682982	1.199556e+00	-5.548184e+00	-1.07340701
## 1280	-1.758062309	8.706640400	-9.298371e+00	-7.770558e+00	8.51448145
## 1281	5.383303754	6.337077837	-4.448936e+00	-1.306537e+00	-7.47072604
## 1282	6.165030091	6.151661430	-3.267519e+00	-4.564208e+00	-0.58842794
## 1283	0.494638275	-8.225941380	-5.822536e+00	-1.146420e+00	13.72953282
## 1284	3.029962849	5.165247491	-3.879965e+00	5.506702e+00	5.44309814
## 1285	-0.271656449	-0.033010785	7.302855e+00	1.804228e+00	0.72693029
## 1286	0.809890132	-0.012162233	-2.509651e+00	-8.707959e+00	-8.48646524
## 1287	-1.166334217	-3.752884440	-1.334885e+00	4.392072e+00	-6.69784785
## 1288	-1.838768589	1.248217339	-6.148060e+00	-4.144642e+00	9.39855415
## 1289	-0.999885491	3.538037436	6.913899e+00	-4.210209e+00	-2.71767079
## 1290	-7.109557460	9.083305271	-5.284504e+00	1.477157e+00	-1.91917929
## 1291	-6.251282320	2.759099355	-5.285773e+00	5.920868e+00	-7.36655898
## 1292	-2.988600454	9.027596217	-1.519020e+01	1.655072e+00	6.00304248
## 1293	2.393016498	1.222177413	-6.523397e+00	2.007228e+00	20.73528702
## 1294	-2.807882369	1.860303649	-1.166747e+01	1.265617e+00	19.13789516
## 1295	-1.545703469	2.418563921	3.229210e+00	2.102150e+00	2.29970511
## 1296	3.388561370	-3.527402599	1.127448e+01	8.309238e+00	-2.73631343
## 1297	-0.652333026	-0.609667115	-4.946081e+00	1.433926e+00	-11.35595781
## 1298	1.814700825	-5.769223578	-8.258801e+00	-3.766947e-01	-4.89050333
## 1299	-0.184381317	-3.788396985	-3.175276e+00	-1.162810e+00	7.67880212
## 1300	1.005348720	6.491645077	-2.846858e-01	-2.546966e-01	-7.90329206
## 1301	1.607291157	-1.847485522	-1.429714e+00	-9.179698e-01	-1.16435690
## 1302	2.517301080	-9.347654909	4.166789e-02	1.031035e-02	-3.61454770
## 1303	-2.303103717	7.048145311	-3.125717e+00	-6.460507e+00	-9.69433382
## 1304	-4.152960210	-2.523427998	7.794574e+00	2.191174e+00	6.59217171
## 1305	-4.504849626	3.369374445	6.593722e+00	7.101928e-01	4.38459801
## 1306	-4.367881027	0.334638456	1.475227e+01	-4.465085e+00	-7.44889520
## 1307	-1.165713574	-0.663345218	-7.052170e+00	-7.319552e+00	2.15740743
## 1308	3.407052258	-2.992328776	2.537925e+00	-5.539512e+00	-6.36335026
## 1309	-2.206788775	3.529906442	2.446870e+00	-6.796956e+00	-1.63306726
## 1310	-4.107300802	3.820908313	1.077824e+01	3.975549e+00	-6.49704952
## 1311	1.579467612	-0.968935469	2.545201e+00	-9.401714e+00	7.68311263

## 1312	1.253772492	-6.099377025	-6.734836e+00	1.319285e+00	1.15640022
## 1313	-1.002588767	-1.322878272	-1.217858e+01	1.145421e+00	-8.21268065
## 1314	-2.264337700	-0.836666514	-6.738494e+00	1.006400e+01	0.12459213
## 1315	-3.280054541	8.866182031	2.586316e+00	-2.122549e+00	-1.11796562
## 1316	-3.219860025	0.574288068	2.827593e-01	-5.887648e-01	-5.14146520
## 1317	1.434035611	-8.527894159	-5.845308e+00	-8.834970e+00	-2.67619761
## 1318	-0.593790297	0.959674150	1.255685e+01	-2.998441e+00	-0.82934116
## 1319	-2.664040386	10.003917185	1.316197e-01	-4.543579e+00	7.68436417
## 1320	7.316475780	-3.936245594	-2.758036e+00	-6.384952e+00	9.02836663
## 1321	3.617115169	8.658986537	1.633741e-01	2.478803e+00	8.07052572
## 1322	-1.215581720	6.905080789	-1.173976e+00	1.675131e+00	1.97421977
## 1323	-2.684397316	0.737573337	3.436124e+00	2.514867e+00	3.86274323
## 1324	2.368325578	13.203726215	-3.601338e+00	-4.040981e-01	4.68619439
## 1325	-3.432068785	-5.757475603	9.285911e+00	-3.932020e+00	5.33761064
## 1326	1.170983703	-2.229342372	1.128481e+01	-1.924741e+00	-0.05171956
## 1327	-1.590258272	6.061554233	3.092721e+00	4.449710e+00	12.27856655
## 1328	-2.801427478	-2.866956754	5.917562e+00	-8.056538e+00	0.52529454
## 1329	-0.010099474	9.952509323	-6.646890e+00	-4.068348e-01	1.43476600
## 1330	1.524174903	-2.922178260	5.792319e+00	1.456685e-01	1.94214573
## 1331	2.933675320	-3.920019842	-1.041207e+01	-1.864696e+00	7.06911147
## 1332	-4.258705240	3.985046835	3.263531e+00	-1.433921e+00	6.08480211
## 1333	0.938893120	0.147045706	5.045323e+00	-1.597939e-02	5.09964298
## 1334	-1.347967425	-0.263372193	2.401547e+00	-5.305126e+00	9.16890493
## 1335	0.188269720	-0.301465278	-9.081086e+00	-2.304807e+00	1.84011296
## 1336	-1.406918989	-6.974324522	8.041216e+00	9.681939e-01	-7.74294467
## 1337	0.741920597	5.708733855	2.792058e+00	2.727470e+00	-0.12212336
## 1338	-4.775723919	-0.545681919	-5.222112e+00	7.609544e+00	6.92022420
## 1339	1.241521663	-3.117615845	8.685091e+00	-2.112310e+00	9.52166189
## 1340	3.241768478	-7.553312512	2.879922e+00	-6.949213e+00	1.07058899
## 1341	-3.506945375	-7.803027397	-1.129599e+01	-4.798869e+00	2.33407243
## 1342	-1.501567631	0.960698476	1.532038e+01	-4.271307e+00	6.00980578
## 1343	-1.890568108	1.049523636	3.431466e+00	2.470957e+00	-3.38277214
## 1344	1.659451483	2.764810467	-1.956391e+00	-7.355264e+00	-0.35346063
## 1345	1.017758990	6.331048206	-4.523439e+00	-1.447246e+00	3.59504818
## 1346	2.485263640	7.181617328	-1.052582e+01	-2.689253e+00	9.37379579
## 1347	3.584717096	1.689071149	9.104335e+00	1.531096e+00	-0.48754745
## 1348	-1.880408024	4.376141091	-3.703922e-02	-1.564318e+00	3.32506847
## 1349	-0.118442155	2.210873426	6.996620e+00	-1.921644e+00	-3.27696601
## 1350	2.587133344	0.986538324	-1.300622e+01	4.045590e+00	-9.90851374
## 1351	3.400594230	-5.791186886	-8.641838e+00	1.758018e+00	-5.25968202
## 1352	-2.013578821	6.649032469	6.439828e+00	-1.266806e+01	5.64782592
## 1353	-3.506428362	3.383988717	-6.613735e+00	-5.794255e+00	1.68908135
## 1354	-6.455068152	-2.325549144	3.232782e+00	2.432319e-01	0.23143303
## 1355	2.219780030	-5.622093336	-2.687047e+00	1.651550e+00	2.55709331
## 1356	-1.010294454	-0.783986261	1.170897e+01	-2.714717e+00	-2.30238697
## 1357	-0.697039019	1.691157355	4.478047e+00	1.015192e+01	6.07249173
## 1358	1.085487105	2.634519921	-2.873703e-01	-2.809917e-01	-10.02503887
## 1359	-3.341399071	4.690093269	5.055587e+00	8.038221e+00	-12.31985756
## 1360	-1.489972423	-3.610261257	1.589146e+00	-3.351572e+00	-1.42081375
## 1361	-4.402861810	2.565091512	-3.288386e+00	-1.690838e+00	14.56859867
## 1362	-0.638768283	-2.543790144	-3.382083e+00	-4.057493e+00	12.05119029
## 1363	-7.250218477	-1.439495034	6.400508e+00	-6.428549e+00	2.25455409
## 1364	3.867192748	0.813047531	-1.224610e+01	-3.873911e+00	-9.61925167
## 1365	9.924456928	5.268435200	-8.910277e+00	3.805852e+00	-1.45787051

## 1366	-0.431296779	-3.825620358	5.057390e+00	3.520508e+00	-10.48362132
## 1367	-0.416638088	2.798512957	9.967426e+00	-5.305217e+00	-17.08858956
## 1368	-3.238867661	4.986535678	-1.029426e+01	-4.645414e+00	2.59214842
## 1369	-2.335124632	2.200699893	1.485498e+00	-6.138434e+00	2.68242423
## 1370	0.668937232	-4.875841133	-1.167589e+01	1.176585e+00	-7.37053479
## 1371	-1.275056992	-0.791841939	-2.297863e+00	7.766380e-01	13.91514141
## 1372	0.635999314	7.648665825	6.742296e+00	4.089299e+00	-7.42850373
## 1373	-3.725801093	-1.831405106	-9.196032e+00	-2.837030e+00	-11.63838463
## 1374	-1.744023728	-0.774362657	-1.408441e+01	2.604153e+00	-12.67348013
## 1375	4.458289124	2.829543326	1.281967e+01	-5.318870e-01	1.86734822
## 1376	-4.406153776	-1.152454705	-8.462191e+00	4.511455e+00	9.91599839
## 1377	-4.984841529	2.427166349	2.885270e+00	-6.761785e+00	-8.52395191
## 1378	5.453224733	3.253743849	3.578517e+00	4.672425e+00	-4.37948045
## 1379	-2.653620649	-2.649728275	-6.515075e-01	-7.839716e-02	8.82349591
## 1380	0.502181130	-6.312509472	4.930637e+00	1.850554e-01	5.48098783
## 1381	1.534053891	1.952738199	-8.550506e+00	3.557083e+00	2.52195413
## 1382	3.273745966	4.205040889	-1.480535e+01	3.435029e+00	6.02095174
## 1383	1.148143396	-4.545070978	-3.176356e-03	-3.858432e+00	-1.71294350
## 1384	5.529610005	-3.082515150	-2.194672e+01	4.031425e+00	0.90609749
## 1385	-1.835619389	-0.971621932	3.465917e+00	-4.596521e+00	6.36163727
## 1386	3.752437340	3.004829717	5.641945e+00	-4.042247e+00	-1.95618569
## 1387	2.387709614	4.056693718	-7.912780e-01	3.952714e+00	-4.89831648
## 1388	3.714310466	-1.293759292	1.245047e+01	5.011821e+00	6.31363888
## 1389	-1.846424217	6.626533225	-6.510051e+00	1.089528e+00	-5.82054171
## 1390	7.310669539	-0.629133818	8.360712e+00	-5.193616e+00	4.41076104
## 1391	-3.818172411	2.050432221	7.283629e+00	4.127339e+00	1.11048170
## 1392	-3.179363032	-6.533595652	-7.135848e+00	-1.306876e+00	-3.38800242
## 1393	-8.881445559	-9.547867512	1.826282e+00	1.621119e+00	-5.51932586
## 1394	-1.483943556	4.209623474	-2.469863e-01	3.745191e+00	1.92719252
## 1395	2.646445186	2.745950503	5.346940e-01	3.821961e+00	-1.36863893
## 1396	-1.659437312	4.370962189	-7.208158e+00	4.959267e+00	-6.02852846
## 1397	-1.487380052	-5.943780039	-4.684324e+00	3.602814e+00	-2.26796440
## 1398	-0.570994486	0.418078875	1.051772e+00	1.926372e+00	2.45065239
## 1399	-0.255740316	0.060034170	5.610709e+00	6.496338e+00	-5.82262770
## 1400	0.104463724	-2.740804247	3.550135e+00	-2.937138e+00	-12.90707100
## 1401	2.542144377	2.644853314	1.083103e+01	6.368037e+00	-24.73920503
## 1402	3.222818494	4.069684154	4.874202e+00	6.884286e-01	5.84576133
## 1403	3.360865657	-2.948802365	-1.242171e+01	-1.519875e+00	-4.32366595
## 1404	3.458447034	7.386718348	2.130164e+00	7.227001e+00	-5.91856085
## 1405	0.386829954	-4.241446809	-1.039010e+00	-3.718330e+00	8.85053773
## 1406	2.856374872	1.654336445	1.229556e+00	1.860353e+00	9.32881173
## 1407	0.350073606	-2.520970383	-4.450522e+00	-2.950858e+00	-2.10196983
## 1408	-1.713078855	-1.862334016	-1.149553e+00	-1.696312e+00	-5.30802132
## 1409	1.487645011	1.089874050	-3.128744e+00	5.940737e-01	-8.62332672
## 1410	-1.747071046	-3.702472911	-1.139181e+00	-1.017930e+00	6.71336518
## 1411	2.976832866	-6.277579053	9.764348e+00	-6.455586e+00	9.15729478
## 1412	-5.726167370	3.405287662	-4.115957e-01	-5.696881e+00	3.00019834
## 1413	-1.259963994	3.864324522	-1.007825e+01	3.875468e+00	9.32961236
## 1414	1.692302530	3.005143819	8.311082e-01	-3.895557e+00	5.16665060
## 1415	-0.205311113	0.750432933	1.026602e+01	-3.165561e-03	-9.89955812
## 1416	1.302373927	1.293440011	-2.738642e+00	-3.218982e+00	4.58800198
## 1417	-1.321648598	6.465561749	-2.318839e+00	-4.124977e+00	2.98544453
## 1418	0.278433891	3.635396766	3.872091e+00	-1.150526e+00	19.48761160
## 1419	3.555780195	6.256341614	4.008329e+00	-4.733813e+00	5.09506231

## 1420	1.788789568	-5.459090677	1.207059e+01	2.808489e+00	-5.58064338
## 1421	-0.495041638	-1.412162765	9.551968e+00	-3.145876e+00	1.23114034
## 1422	1.747324149	-18.055768440	-5.980023e+00	-6.478839e+00	12.65610300
## 1423	-4.470813604	9.307482602	2.789478e+00	-2.460058e-01	-2.37383005
## 1424	4.436456172	-7.548583909	-1.147480e+00	-2.919026e+00	-2.62923496
## 1425	-0.737236481	-1.873703937	-8.120440e+00	3.033610e+00	-0.96133974
## 1426	0.013215831	-0.594042406	-3.808599e+00	-4.520411e+00	2.53867396
## 1427	-5.132435064	-7.372432519	6.235381e-01	-2.695164e+00	-2.67776936
## 1428	0.023453507	-2.554703091	1.801752e+00	3.197830e-01	-12.61475880
## 1429	2.877710191	1.387436006	-2.040344e+00	-5.506000e+00	-8.79767517
## 1430	-2.444401943	7.398339623	-8.175523e-01	-6.131066e-01	-0.24727383
## 1431	-0.397077995	6.127219447	-1.981144e+00	8.340233e+00	-5.73626586
## 1432	3.724127797	4.553806306	-8.492639e+00	-4.362800e-01	-2.25184628
## 1433	6.237218709	8.758961279	2.973729e+00	-2.289899e+00	19.45558418
## 1434	-2.085355560	0.369068692	-4.320145e+00	1.151429e+01	6.40583272
## 1435	-0.510300156	6.848801204	-6.932360e+00	-1.888050e+00	11.11833775
## 1436	7.952448156	-0.417308199	-9.523768e+00	9.001482e-01	-13.40550147
## 1437	0.378857460	-1.455715670	-5.349645e+00	5.385024e+00	9.82006297
## 1438	-0.769840018	-1.878555234	1.356917e+01	-5.546649e+00	5.71889477
## 1439	3.117875589	-4.226286795	-2.923265e+00	4.422512e+00	-8.52173560
## 1440	5.743462617	-1.999243669	9.685727e+00	-1.676698e+00	-2.24710336
## 1441	1.298595090	2.011277723	2.292138e+01	-2.608233e-01	5.21669285
## 1442	2.142091076	-3.597448960	1.465566e+01	-4.516340e+00	3.96412168
## 1443	-1.608329422	-1.627436449	-6.907878e+00	8.803310e+00	9.89619551
## 1444	-0.674412509	-3.141327067	1.825263e-01	2.042090e-01	11.55528810
## 1445	-1.338736843	2.208233335	2.953631e+00	3.166880e+00	-6.12942330
## 1446	-5.105186111	5.070776747	4.459708e+00	-2.799045e+00	-3.39888236
## 1447	5.582174812	3.423439537	-1.115843e+01	5.613655e+00	2.85680787
## 1448	1.662602670	-6.537896045	2.517246e+00	-7.044857e+00	3.12546505
## 1449	-3.711470206	-6.304393814	5.105436e+00	-2.675294e-01	-0.71943217
## 1450	-0.440325353	1.434820820	1.775185e+00	5.143960e+00	-7.03015005
## 1451	-2.670749265	-4.895598997	-8.501083e+00	9.716793e+00	-0.02067521
## 1452	4.796149748	-3.839012318	2.799621e+00	1.054790e+00	-1.77007443
## 1453	2.573275205	7.834002060	1.699007e+01	4.092187e+00	8.19887777
## 1454	5.760793176	1.199632152	2.448320e+00	4.944382e+00	3.24204370
## 1455	5.714143479	-2.189086691	-7.928419e+00	5.403332e+00	-4.81610775
## 1456	0.094410979	2.297673231	-1.223703e+00	-1.169133e+00	0.76128731
## 1457	-2.939021492	-2.601922504	-3.197874e+00	1.752337e+00	4.11735715
## 1458	2.666712784	2.047233676	-3.206384e+00	9.467193e+00	-10.85064845
## 1459	5.323067137	-5.585977975	-2.323214e+00	2.324347e-01	-7.34535595
## 1460	3.755488253	-5.845430701	8.423147e+00	6.727301e+00	5.05290326
## 1461	4.688368410	-5.119301183	1.711738e+00	-8.944795e+00	7.74871407
## 1462	6.277902866	NA	-4.054198e+00	2.401775e+00	6.65638635
## 1463	1.873034228	15.054524587	-4.421571e+00	9.669625e+00	-1.44901637
## 1464	3.165556243	9.529744703	-9.652852e+00	-3.288163e+00	0.23279210
## 1465	2.516493513	-4.767892752	-5.555277e+00	-3.491205e+00	-4.45585809
## 1466	-1.443433527	-0.801241189	4.768767e+00	4.669226e+00	-14.89935984
## 1467	-1.083805752	4.680352469	-2.493579e+00	-7.574258e+00	-0.69005348
## 1468	-1.315008781	-7.726761702	6.735670e+00	-2.682410e+00	-16.01386551
## 1469	-1.221163398	-8.642643258	-5.035801e-01	-2.258480e+00	10.49569949
## 1470	1.079380598	-1.563608489	-2.292407e+00	-5.836922e+00	-0.51878059
## 1471	-3.535415646	0.884152569	-2.337894e+00	4.858955e+00	-6.94646042
## 1472	-0.926281081	3.376312793	7.323475e+00	5.112065e-01	6.63990760
## 1473	-3.984590206	8.041150273	1.103798e+01	6.115297e+00	-0.45780362

## 1474	3.381083960	4.302535247	1.011560e+00	-7.594576e+00	5.06081884
## 1475	2.248223687	-2.680133081	-5.213325e+00	-8.320015e-01	-8.51006546
## 1476	1.449009506	0.744796534	1.111959e+00	-9.097777e+00	4.17329161
## 1477	-0.140542496	2.178795817	2.776935e+00	-3.403190e+00	-1.49464765
## 1478	-4.382493231	-3.938172951	5.515513e-01	-1.005190e+01	-14.78630379
## 1479	-3.423078626	14.613568295	6.220474e+00	6.094578e+00	2.48860870
## 1480	3.710410686	11.856456689	-1.195805e+00	5.163489e-01	0.35097062
## 1481	-0.466350352	-5.443684598	1.508607e+00	-5.598332e+00	-10.76650294
## 1482	-2.927595330	1.929412795	8.564046e+00	8.677064e+00	-11.77119137
## 1483	-1.335906292	-1.226088695	1.196102e+01	-1.171762e+00	13.58263959
## 1484	2.258971187	9.186986425	-6.383520e+00	-2.667502e+00	-0.33445843
## 1485	-1.117189881	1.803478033	-4.136779e+00	5.853458e+00	5.88377333
## 1486	-0.577846317	-5.715917610	9.789886e-01	-8.093947e+00	-8.65897512
## 1487	3.285218127	6.016169374	8.226294e+00	-5.216574e+00	4.68784825
## 1488	-0.877086007	-0.620354616	-6.019789e-02	1.155014e+01	4.36339641
## 1489	0.112917297	-1.817736857	6.447485e+00	-4.567511e+00	2.11143478
## 1490	-1.434724371	-3.912466693	9.118756e-01	7.729023e+00	4.03425895
## 1491	2.619455092	-0.958901834	-2.991744e+00	1.843266e+00	-0.76859799
## 1492	-5.299443244	-0.766057052	-1.331604e+00	1.915519e+00	-4.34611556
## 1493	-7.033685901	4.242891156	-5.081084e+00	5.855852e-01	-0.07941906
## 1494	-4.576243632	1.562284210	1.297084e+01	-7.727961e+00	5.53895439
## 1495	-1.630245987	-1.672272751	-5.591386e+00	2.675814e+00	-4.09533259
## 1496	-3.128075662	13.861801812	-7.319343e-01	5.582140e-01	3.32754471
## 1497	4.209343944	7.247653466	-1.773867e+00	1.623502e+00	5.40923404
## 1498	-2.408531841	-1.078689680	-6.217906e-01	-4.730789e+00	2.64046130
## 1499	-2.826699133	-3.130805845	-9.001851e+00	-1.191222e+01	2.32569290
## 1500	-6.554816770	4.178700437	-5.325023e+00	-5.255829e+00	-0.74420510
## 1501	2.136917165	-2.537816954	2.364579e+00	1.157760e+01	5.21102312
## 1502	3.136454605	-0.707507852	-5.732926e+00	-2.052735e-01	-8.53345317
## 1503	-3.559224288	-2.253638293	1.158466e+01	-1.498828e+00	-4.06025744
## 1504	3.629022435	4.790041465	-6.555445e+00	-1.781865e+00	11.38606627
## 1505	1.631589561	-7.128643386	1.147080e+01	2.839613e+00	2.59027400
## 1506	-0.282493228	1.044503328	1.162968e+01	1.171976e+00	-16.91529814
## 1507	-5.108403508	-8.904343479	6.201448e-01	7.100535e+00	-10.43510284
## 1508	-0.070653708	4.407920138	-1.842936e+00	-3.611753e-01	15.04392287
## 1509	2.059125493	1.354452535	2.645634e+00	3.419093e+00	5.91116697
## 1510	-1.323422947	-4.662692674	5.836169e+00	1.639751e+00	5.26454549
## 1511	4.216255156	-0.233357837	8.775980e+00	5.019261e+00	-3.60304619
## 1512	-2.936457298	7.194064642	3.173813e-01	2.919729e+00	-3.00302364
## 1513	3.648935470	0.190576348	-5.641853e+00	3.405005e+00	-11.94659711
## 1514	-0.355290720	4.474968388	-1.795656e+00	4.239217e+00	-9.08417056
## 1515	-3.104681734	-2.954257018	-4.774554e+00	2.549773e+00	1.19533056
## 1516	-3.928473587	-3.644937946	9.269711e+00	-4.315674e+00	9.13674308
## 1517	-1.794979731	-11.011904981	-1.046152e+00	3.409477e+00	-6.10779547
## 1518	3.484917026	0.145541492	2.764868e-01	-7.020281e+00	-17.41989481
## 1519	-0.871882042	1.401345502	1.076100e+01	6.325250e+00	3.73715359
## 1520	1.702167350	3.066088354	5.373486e+00	-1.065466e+00	-4.37328958
## 1521	-1.877061457	-4.994741453	-1.817149e+00	3.489444e+00	1.11089239
## 1522	-1.930695965	-2.913496754	2.893065e+00	-4.696637e+00	15.53568908
## 1523	-0.883717562	6.702111813	-8.964332e+00	-1.006309e+00	-3.84085280
## 1524	-2.855370581	10.157182498	6.019264e+00	-2.260711e+00	5.50404293
## 1525	1.826500234	-7.570777750	1.167164e+01	-5.091264e+00	-3.92137804
## 1526	3.553765007	-7.869298414	1.226893e+00	1.108909e+01	-1.19114364
## 1527	4.348122084	5.456108982	1.096801e+01	1.144063e+00	-0.35385757

## 1528	-1.070986887	5.160728464	-1.142209e+01	7.948194e+00	1.11089621
## 1529	-4.065929413	5.457184665	3.886024e+00	-9.510908e-01	3.13860844
## 1530	-0.317097295	0.418965609	1.055252e+01	4.257678e+00	-4.30922049
## 1531	2.644593441	-7.109601851	-6.098875e+00	-4.478923e+00	-0.30528715
## 1532	-0.273384789	1.904747789	-3.877192e+00	7.204733e-01	4.27801526
## 1533	0.785755307	-6.220845094	1.246133e+00	-2.698554e+00	-7.30125618
## 1534	1.178767572	-2.298385053	2.500379e+00	-4.854827e+00	5.87372913
## 1535	-2.477253141	-1.753548557	5.372446e+00	-2.254513e+00	-8.19018458
## 1536	-0.521803582	2.748572784	1.201371e+00	-1.974135e+00	-2.71002539
## 1537	0.318037843	3.242130363	-2.222162e+00	-1.768859e-01	-5.33350367
## 1538	1.306337015	3.692415037	9.608325e+00	-6.828690e+00	1.25243197
## 1539	1.046355211	2.040279130	-5.320130e+00	2.394545e+00	2.99011875
## 1540	-2.115015045	-3.213419587	-1.942448e+00	-3.223384e-01	12.95290437
## 1541	0.763399982	5.690332942	-5.462817e-01	-6.147614e+00	12.85784437
## 1542	2.729106450	-8.362818904	2.677459e+00	7.453166e+00	-1.32882635
## 1543	5.783265894	9.034396634	1.771607e+01	-3.413475e+00	-5.36987407
## 1544	0.409318666	6.790875327	7.823786e+00	8.586561e+00	-20.47459403
## 1545	-3.510043806	-2.384135106	-3.611745e-01	-5.607603e+00	4.62696265
## 1546	-0.263879455	4.441750329	1.293342e+01	-2.503880e+00	2.41564797
## 1547	-0.312477634	3.414048085	2.960678e+00	6.429523e+00	13.52923721
## 1548	-1.888147362	9.127288051	-3.617416e-01	3.688603e+00	-5.97620092
## 1549	-8.840210357	5.397401424	2.551290e+00	5.109718e+00	9.45012871
## 1550	4.088786557	-0.233847329	7.198543e+00	7.805355e-02	-0.24624200
## 1551	-5.481473477	2.886286642	1.179052e+01	4.727335e+00	-0.48655249
## 1552	-3.998711719	0.786024677	-4.821034e+00	9.581671e-01	4.73513602
## 1553	-1.171203255	1.050230910	9.372831e+00	-8.289038e+00	1.65105468
## 1554	-4.026814134	-5.435365843	-3.701188e+00	4.607305e+00	-3.07061107
## 1555	-0.299972475	-0.642850423	1.134020e+01	-1.728830e+00	1.28054694
## 1556	-2.747464176	1.170246617	1.757987e+00	-2.621485e+00	-7.51219077
## 1557	-0.121689227	-0.857133476	-8.340630e-01	-3.836698e+00	-15.36002079
## 1558	0.684521738	2.783059338	-1.219190e+01	1.735058e+00	5.40674737
## 1559	-0.712328238	0.089801463	2.241603e-01	-5.816473e+00	0.98502168
## 1560	1.955860227	-6.030473779	-1.619215e+00	1.553081e+00	-16.33378509
## 1561	-5.570459539	0.850595033	-4.829418e-01	-2.590128e+00	-0.60249985
## 1562	-2.299424605	0.718996945	-5.461671e+00	2.252847e+00	13.46160012
## 1563	3.198615708	-0.917148146	7.493149e+00	-6.207607e+00	-3.02579742
## 1564	2.730414457	-0.398165349	1.230786e+01	-3.040039e+00	0.91701051
## 1565	-1.404882133	-4.490072698	2.104024e+00	-1.531565e+00	-3.18067883
## 1566	-4.821653160	3.360451224	-1.615793e+00	-2.171037e+00	-3.60202538
## 1567	3.585776792	-1.860091422	-8.488336e+00	-1.300746e+00	0.36120980
## 1568	1.201083835	0.124049563	-9.765371e+00	4.703879e-01	1.46240347
## 1569	-5.832716431	3.290032155	-1.087845e+01	4.241389e+00	8.95863543
## 1570	3.051396577	-2.559620461	8.536266e+00	-1.133733e+01	7.38613892
## 1571	5.458235575	2.612976192	9.571398e-01	4.060241e-01	-11.16042594
## 1572	0.801704859	-3.933491986	2.880638e+00	5.185321e+00	-8.40600637
## 1573	4.059572912	-6.317227115	3.488700e+00	-2.402652e+00	-5.30818678
## 1574	-4.110286751	-10.244315777	1.469005e+01	1.012570e+01	8.31136418
## 1575	-2.016114456	5.811314414	8.900685e+00	4.059556e+00	6.27617199
## 1576	1.383069893	6.103445130	1.612231e+01	1.043148e+01	-9.91331805
## 1577	-0.482721444	1.317885403	-1.946204e+00	-1.869077e+00	7.83697001
## 1578	-0.346195845	-1.430955021	1.961356e+00	-8.090352e+00	4.23807016
## 1579	-1.394632405	2.243408845	-9.609850e+00	1.371719e+00	6.80013363
## 1580	0.317338973	-7.351658811	9.461062e+00	-8.721216e+00	3.17825646
## 1581	-0.860399709	0.577051663	-5.345472e+00	-6.693469e+00	-1.25057729

## 1582	-1.390740107	-4.616864597	-7.573045e+00	-9.701963e+00	-6.08645720
## 1583	-1.822583827	3.745735758	-2.943511e+00	-2.069823e+00	4.22105754
## 1584	-1.495810598	1.822890656	1.070392e+00	-4.077024e-01	-1.27709128
## 1585	-3.886962756	2.274037918	-6.763966e+00	4.530662e+00	-4.88250007
## 1586	0.591873408	4.794183446	1.209051e+00	-2.688739e+00	1.12914641
## 1587	5.192378361	1.765498891	5.768979e+00	6.692619e+00	-16.13195346
## 1588	0.255896311	5.270122630	-6.622843e+00	1.478918e+00	2.70026141
## 1589	-0.405794655	0.021076115	4.563690e+00	1.037753e+01	-11.71449718
## 1590	-3.111813398	-6.632562118	5.100791e+00	2.679636e+00	3.63108897
## 1591	5.852836546	1.358550727	1.916899e+01	6.516655e-01	-0.61109685
## 1592	2.934160476	2.783081299	2.563073e+00	9.203522e-01	3.76903412
## 1593	-0.201363955	-2.486632880	5.557617e+00	-8.445606e+00	-13.66674909
## 1594	-3.899440368	4.288490811	-1.216219e+01	-2.793880e+00	11.87121811
## 1595	-7.057901765	1.257580996	-3.767588e+00	4.242515e-01	-2.19652222
## 1596	1.531793719	1.141351061	-1.162001e+01	3.570419e+00	-20.99775922
## 1597	2.299315401	1.237349247	1.095364e+00	1.157483e+01	-26.45543839
## 1598	-3.808206586	3.511012603	-4.949678e+00	1.281553e+00	4.38578975
## 1599	7.524666487	3.117473440	-1.708267e+00	-1.265724e+01	-1.49087821
## 1600	4.239262975	-0.055297168	-1.147908e+01	-7.370972e+00	-2.15188141
## 1601	2.488598891	0.393453432	-3.532586e+00	4.227109e+00	-1.15715105
## 1602	-1.038062686	-8.552928049	-1.053704e+01	-3.895393e+00	-0.11602494
## 1603	0.128900674	-1.554892633	-8.353673e-01	-3.161897e+00	3.48854586
## 1604	-0.823522332	-3.773378200	9.649873e+00	-2.721463e+00	1.59239567
## 1605	3.073826492	5.719059306	6.187261e-01	1.672677e+00	-4.02563962
## 1606	-6.453340281	-0.130261982	-5.695274e+00	2.507890e+00	-0.76750252
## 1607	1.880212191	-4.162979061	-5.817849e+00	4.180238e+00	1.13623495
## 1608	-1.386186000	1.488035251	8.957286e+00	3.368219e-01	-10.93608680
## 1609	-3.772635858	-4.520605938	-9.174362e+00	1.968051e+00	-12.53064406
## 1610	-1.857616695	0.587730815	3.061395e+00	2.975479e-01	-17.54851474
## 1611	4.428486151	6.685423693	-1.057392e+00	1.693936e-04	5.81458047
## 1612	6.064756438	3.559351733	9.293634e+00	-3.956108e+00	10.56999000
## 1613	-4.863669880	0.241680780	1.295389e+00	2.045435e+00	-11.54767771
## 1614	2.542645383	3.560414144	2.437082e+00	6.846840e+00	-5.35741838
## 1615	-1.366981539	-5.218230362	9.270306e-01	-1.032109e+01	1.08787754
## 1616	-8.170065655	-1.874475326	3.038160e+00	2.035796e+00	-3.11307907
## 1617	-1.895146885	-5.862004011	7.551376e+00	-1.654300e+00	-12.27861826
## 1618	-0.320233153	3.391813298	-4.067974e+00	1.524141e+00	-2.93138100
## 1619	-0.708208735	-9.232399524	3.988254e+00	-5.998151e-01	-2.43500169
## 1620	-0.785163011	-1.811696990	-1.228649e+01	-1.869734e+00	-0.73419319
## 1621	-0.073563034	9.629051872	-5.301286e+00	2.498094e+00	-11.87070388
## 1622	4.309473600	-10.596437851	1.066611e+00	-3.424262e+00	9.78014257
## 1623	-2.170940190	-1.590551219	-1.541736e+00	-4.107448e+00	-3.46296487
## 1624	-2.174566809	3.209343299	8.520709e+00	-7.682905e+00	11.09757597
## 1625	2.334878260	-1.658197344	8.119973e+00	2.148754e+00	-9.82570669
## 1626	1.956889578	10.619263632	1.014649e+01	3.130673e+00	11.77362156
## 1627	5.315826283	-5.881597087	4.739372e+00	3.457883e+00	-6.36940112
## 1628	6.856056245	3.614298663	-3.436538e+00	-1.743910e+00	3.33467332
## 1629	-0.117685559	5.966552228	6.564634e+00	2.974576e+00	-0.13580435
## 1630	1.881290515	0.323838813	4.394718e+00	8.992690e-01	-12.02288948
## 1631	5.129525181	1.016562295	-8.509248e+00	-1.906520e+00	-0.50734301
## 1632	2.088681221	-2.333451314	2.095047e+00	-3.266705e-01	13.09477319
## 1633	1.884790476	-4.377439100	-9.065466e+00	1.025686e+00	-18.58845194
## 1634	8.092427965	3.073507817	-7.630681e+00	3.973610e+00	-1.67094192
## 1635	-3.859426098	-2.811632708	-9.647467e-01	1.445756e+00	1.50215716

## 1636	-6.031846892	1.202258197	1.170757e+01	1.638368e+00	3.36004937
## 1637	0.752144319	-1.443898789	-6.350598e-01	8.523980e+00	5.89111459
## 1638	5.419724638	0.837809809	-9.418505e+00	2.308944e+00	-0.08503769
## 1639	2.968698134	1.698349906	8.651933e+00	-8.636364e-01	0.06704733
## 1640	2.655044187	-5.715027892	-6.373146e+00	3.846357e+00	-18.64004937
## 1641	4.751168799	3.454252725	-4.138522e+00	1.523234e+00	7.66901733
## 1642	0.085504575	-0.955297008	-1.394194e-01	2.901157e+00	3.15434489
## 1643	2.969411325	-3.056454717	-4.212275e+00	2.140385e+00	18.40931642
## 1644	-6.982213785	2.819529553	-3.537634e-01	-3.146786e+00	-4.38134453
## 1645	-1.302184499	3.372019902	5.360384e+00	-8.339365e-01	1.59184576
## 1646	-1.002948568	-3.380138343	-1.157148e+01	-8.102500e-01	-0.96688649
## 1647	-3.473257897	5.280354795	-2.997124e+00	6.261551e+00	11.16172479
## 1648	3.208111493	-1.290708699	4.863883e+00	-9.176003e+00	3.63030409
## 1649	1.188729812	6.968236461	-2.604367e-01	7.150146e+00	3.99923213
## 1650	-0.610023394	-6.858656381	7.095790e+00	7.826598e+00	-4.85836355
## 1651	1.928737530	-3.644418057	-1.954542e+00	-9.996504e-01	10.59876154
## 1652	-3.090211286	-0.790541869	6.890021e+00	-1.169997e+00	19.77826278
## 1653	2.726319583	1.955175734	-9.698306e-01	1.166388e+00	-2.41416786
## 1654	-2.142746588	7.815154290	-7.466899e+00	-2.509175e+00	-4.42553008
## 1655	-0.496177696	2.676308859	6.205208e+00	-3.096988e+00	3.39784207
## 1656	2.130018426	0.327505471	3.527205e+00	8.182679e+00	-3.41453229
## 1657	-2.404021892	-4.844897990	-6.911578e+00	2.366188e-02	8.93154782
## 1658	7.206018490	-4.313506506	-5.737603e+00	-1.453992e+00	7.59361588
## 1659	-1.161241612	1.202617143	1.103460e+01	-4.597788e+00	-8.85215228
## 1660	1.729024187	-0.168597112	9.772818e+00	-7.228275e+00	-16.45222340
## 1661	6.363954115	3.435119827	2.367267e+00	-5.332056e+00	-4.50798096
## 1662	0.163518050	0.388157793	6.972974e+00	2.852058e+00	5.96351979
## 1663	-2.401836431	-1.467804100	3.119319e+00	-2.011484e+00	-12.82270829
## 1664	-2.174080231	-0.122043951	3.496252e+00	-4.425541e+00	3.46895955
## 1665	-1.898816841	-9.197924997	-1.162912e+01	-2.802644e+00	0.13371082
## 1666	5.280544132	2.256446915	9.731762e+00	5.043837e+00	2.15634837
## 1667	0.585154824	-4.209748220	9.175212e+00	3.680731e+00	5.09940452
## 1668	6.936197339	-1.527322209	1.096959e+01	2.076713e+00	-6.41720621
## 1669	1.631634545	1.647590959	1.862305e+01	2.156793e+00	-9.34274129
## 1670	-1.224362355	-6.144027096	4.630255e+00	4.726501e+00	6.47450317
## 1671	-0.890771224	-1.929241635	6.102381e+00	3.684789e+00	-12.26824692
## 1672	2.989759502	5.113924531	3.849213e+00	6.751510e-01	7.17840240
## 1673	-4.168640542	0.914552614	-7.125649e+00	8.243700e+00	6.22601748
## 1674	4.737359610	0.046224906	1.399496e+01	-4.726391e+00	-2.13595559
## 1675	-4.673601083	4.604683172	-6.641655e+00	-2.560977e+00	-4.63633481
## 1676	-2.131652779	-2.558998023	5.526485e+00	-1.853307e+00	-3.48068791
## 1677	1.956393825	1.432239354	1.296616e-01	3.262665e+00	3.86887887
## 1678	-4.252424496	-11.169756706	5.774407e+00	-2.693862e+00	0.90895558
## 1679	-3.228802542	2.664250965	9.399032e+00	-3.229205e+00	-2.93012809
## 1680	-5.245152965	1.576695500	-6.169065e-01	-6.091156e+00	-1.71117674
## 1681	2.073204444	-11.942323341	-6.310547e+00	3.698963e+00	6.36023891
## 1682	-3.826555003	0.047838972	-5.012512e-01	-1.361920e+01	0.08059780
## 1683	-4.075084161	-1.302268181	-6.670442e+00	-1.058850e+01	-0.59812528
## 1684	0.909105120	3.902512704	-1.046056e+01	1.302372e+00	-0.80662668
## 1685	-3.709005059	-1.062071161	4.920062e+00	-6.047022e+00	-5.37088869
## 1686	3.685852841	2.487254252	-3.901977e+00	7.891196e+00	-5.66644191
## 1687	3.542079391	7.596632556	4.093199e+00	-8.424464e+00	6.75768846
## 1688	-3.982569977	-3.958039415	-5.813666e-01	-1.850820e+00	6.63583206
## 1689	-1.003281911	-4.362259079	-4.175053e+00	4.681185e-01	0.69807847

## 1690	-12.889415844	1.375265595	-2.651152e+00	-4.787543e+00	-8.49594312
## 1691	-1.123207166	-8.405380764	2.062066e+00	3.243248e-01	-4.22692017
## 1692	2.076195159	8.441363827	-9.151614e+00	2.480846e+00	3.19698187
## 1693	7.854111399	-3.165686009	1.550513e+01	1.840119e+00	-1.83759991
## 1694	-3.503102017	-3.182176249	-1.210519e+01	-9.478850e-01	14.97338461
## 1695	0.307511854	-1.532157233	-3.750927e+00	-7.375690e+00	-5.51724293
## 1696	4.097454706	-6.093206029	-4.219838e+00	5.225174e+00	-1.88498804
## 1697	1.542579099	1.936671890	9.490771e+00	3.484967e+00	6.32027668
## 1698	3.835222611	0.234207755	1.060660e+01	-4.196790e+00	-6.89623759
## 1699	-1.103374357	1.951921546	-1.991497e+00	1.101417e+00	-5.11351717
## 1700	-1.132145500	1.731210435	1.663102e+00	5.003638e-01	-5.49677142
## 1701	0.916653913	-1.197710394	-1.766363e+01	-5.306157e+00	9.06761889
## 1702	1.796656919	-13.260170221	2.423770e+00	-6.882507e+00	15.67572624
## 1703	8.182278711	1.201315636	1.738434e+00	1.826309e-01	7.82843199
## 1704	0.666158602	-6.943210758	-1.820295e+00	4.769004e+00	4.45010572
## 1705	0.697979396	-5.371506230	2.924987e-01	2.548319e+00	-8.52812171
## 1706	4.051182268	-0.472357573	-1.070061e+01	2.922251e+00	-5.17716106
## 1707	2.222862733	5.355489536	-9.916624e-01	2.284929e+00	1.21969449
## 1708	4.333057763	-5.835602133	1.511783e+00	-7.610437e+00	-7.18088862
## 1709	4.671626958	-0.609081056	1.103734e+01	-1.552323e+00	6.10695437
## 1710	-4.440503728	3.339261939	6.194571e+00	4.903205e+00	5.68237752
## 1711	-0.918112522	4.914554946	6.076116e+00	4.158639e+00	-10.71349480
## 1712	0.571322680	-3.773604062	-2.724779e+00	5.468627e+00	7.95371152
## 1713	-4.157165509	-4.263400475	-1.333270e+00	5.951154e+00	6.34308660
## 1714	3.240144555	5.297260544	-2.136350e+00	5.562692e+00	-3.58651672
## 1715	0.700903402	3.547074711	-2.924081e+00	-5.065294e+00	4.19438509
## 1716	-1.540291777	-4.008619338	-8.061226e+00	2.890193e+00	-13.56802138
## 1717	-0.362561922	8.957135493	-1.241638e+01	6.486717e-01	-1.13776997
## 1718	1.343561331	0.291231903	-6.309628e+00	-2.500215e+00	-24.08559130
## 1719	4.418805503	2.647807578	9.542811e+00	-2.749034e+00	7.56678631
## 1720	0.557382027	-0.088264549	-9.730030e+00	3.926758e+00	-1.58671132
## 1721	0.985568312	-4.232471943	4.613073e+00	-9.674691e-01	12.14362213
## 1722	-2.135152563	-0.475125046	-2.103237e+01	2.199560e+00	-5.13448900
## 1723	0.644658396	-4.180026295	-7.004235e+00	3.935846e+00	11.34209566
## 1724	4.937380391	-7.144443242	-5.884921e+00	7.760190e+00	6.71066594
## 1725	-0.432797768	3.167111200	4.675298e+00	-3.384511e+00	-4.17177662
## 1726	2.528970079	13.453419504	1.594947e+00	5.694592e+00	-18.25534215
## 1727	3.258353210	-2.062760885	4.413146e+00	-1.803790e+00	4.72284884
## 1728	-2.881589160	8.871800979	1.499853e+01	-3.790450e+00	-9.38573403
## 1729	-1.843693792	-3.912735461	8.870086e+00	4.948699e-01	17.42473953
## 1730	2.326037140	0.160160988	1.105489e+01	-1.874349e+00	0.04042672
## 1731	-6.229103874	1.165733230	-2.316583e+00	2.594551e+00	7.24765580
## 1732	1.145540039	7.941189421	5.803755e+00	-1.656592e+00	2.15483174
## 1733	0.970186496	0.442078049	1.349913e+01	-6.374418e+00	-0.89075460
## 1734	0.670482913	-9.867566517	-1.037536e+00	1.188243e+01	-2.23991974
## 1735	-2.932656475	-0.872743386	-2.462887e+00	7.654739e+00	1.48086674
## 1736	-5.413926159	-2.822522635	-1.018353e+01	1.067888e+00	9.34693393
## 1737	-1.997118021	-1.475387810	3.329405e+00	2.314362e+00	5.73638502
## 1738	-7.091305295	0.621015321	-1.578490e+00	1.366722e+00	-2.81551108
## 1739	-3.722152368	6.128791374	8.276942e+00	8.003210e+00	4.05315914
## 1740	2.418264586	-10.403147921	-5.656446e+00	1.381035e+00	12.61731934
## 1741	-6.294214152	-3.971319765	3.844007e+00	4.783886e+00	-12.43829958
## 1742	0.535183903	-0.212009575	1.448159e+00	4.916108e+00	5.48158892
## 1743	1.617341311	-6.652409194	1.588444e+01	-7.033097e-01	-1.87102614

## 1744	2.771530512	3.416655923	4.606866e-01	3.622034e+00	6.56172432
## 1745	-0.417027392	0.361828451	-7.146599e+00	-4.526434e+00	18.37764682
## 1746	1.191470682	-0.186494841	-2.725788e+00	3.800398e+00	-0.60802621
## 1747	-3.638132488	-9.038452857	1.238241e+01	3.747464e+00	8.29565921
## 1748	0.024441788	0.270668723	4.425512e+00	-4.175359e+00	-14.25756018
## 1749	-5.888482663	1.592803092	2.610610e+00	1.700743e+00	4.10485608
## 1750	-2.623586123	-3.595996855	-4.134689e+00	-2.654061e+00	1.24954139
## 1751	-6.368737854	1.348377248	7.058619e+00	-8.359786e+00	8.53654720
## 1752	-2.106555684	8.405651035	9.898650e+00	-4.673561e+00	-9.24859850
## 1753	6.014220218	2.091377316	-7.987440e+00	5.070493e-01	4.23336962
## 1754	-2.317875486	1.542025578	6.952079e+00	7.451135e-01	16.42944550
## 1755	-3.368942516	-3.485851095	7.197967e+00	-4.672764e+00	-5.57444699
## 1756	5.520166172	5.360887003	3.499649e+00	-1.773272e-01	7.89317720
## 1757	-3.839815089	4.961339002	4.373476e+00	-5.908529e+00	-2.35219747
## 1758	2.261384782	2.828267681	1.753401e+01	1.653610e+00	2.12436715
## 1759	-1.206641108	6.087376565	-1.024511e+01	1.539395e+00	-1.14589603
## 1760	-0.754242601	7.360658473	-6.714496e+00	-5.070662e+00	9.45897287
## 1761	-0.722045265	-7.042132279	1.756509e+01	-5.345373e+00	4.78412052
## 1762	6.521333301	-8.634370648	-1.173706e+01	-3.015553e+00	-4.54594064
## 1763	1.229894523	9.991275540	9.235130e+00	4.940732e+00	8.48001849
## 1764	-2.688633853	7.237275309	-9.366028e+00	-3.267038e+00	10.64914482
## 1765	1.440312675	0.994044328	1.161133e+01	8.667529e+00	1.40854861
## 1766	4.525302066	-3.597275736	6.328150e+00	3.203510e+00	7.14099836
## 1767	10.973193697	-1.216281910	6.812151e+00	1.355721e+01	-1.32890872
## 1768	3.216465174	-4.022950991	-4.505140e+00	9.244448e-01	6.57231013
## 1769	-5.429716453	-4.453701232	4.184187e-01	5.616244e+00	3.69892247
## 1770	-4.277145877	-0.613010839	9.434062e+00	-5.902601e+00	-3.06286818
## 1771	-2.134280836	6.130038924	-7.905881e-01	5.939520e+00	-4.11761306
## 1772	4.103979779	0.783004606	3.230725e+00	-4.593333e+00	-5.52209403
## 1773	0.424822298	5.715853659	-2.242959e+00	1.340094e+00	0.91638240
## 1774	-3.641445928	-0.022507510	7.699946e+00	1.990805e+00	-1.53838154
## 1775	1.757107937	2.610204790	-1.003085e+01	2.307467e-01	-9.57947527
## 1776	1.819618638	4.525940698	3.786555e+00	2.244185e+00	7.27871197
## 1777	-2.769323064	-0.116846382	-7.977045e+00	-4.514511e+00	1.81860450
## 1778	1.503385347	2.024057404	1.139266e+01	-2.223258e+00	7.49648485
## 1779	-1.665273827	-7.871769671	5.590592e+00	1.573777e-01	10.41559010
## 1780	-0.989327397	-2.315443868	-8.447914e+00	9.684517e-01	-13.06396095
## 1781	-5.649600194	0.815057055	1.206733e+00	1.357429e+00	0.74228583
## 1782	2.542752533	3.973216292	-2.600189e-02	-7.710883e+00	-1.07064646
## 1783	1.165221065	0.846919240	2.345286e+00	1.120199e+00	-1.91780100
## 1784	-0.195790675	9.492313446	-9.672963e-01	3.826388e+00	12.62066671
## 1785	1.507950941	-0.223931283	-3.566810e+00	2.206416e+00	8.07072718
## 1786	0.224605172	3.861926974	-5.450161e+00	2.079191e+00	2.64434650
## 1787	2.545956786	-1.019709464	7.995348e+00	-1.232221e+00	11.83912102
## 1788	1.896098496	7.233095733	-3.516019e+00	-1.744599e+00	-16.55535319
## 1789	0.029098535	1.374144122	1.338451e+01	-1.143721e+01	-1.22503435
## 1790	0.800823795	1.033098076	-1.029596e+01	3.735881e-01	-2.96437222
## 1791	-2.554297663	0.582008651	4.389273e+00	-1.220662e+00	2.22737916
## 1792	-3.136167525	-1.674421740	-2.667584e+00	-3.036912e+00	2.47117055
## 1793	-1.987466288	8.084372455	9.927353e+00	3.630172e+00	2.25198690
## 1794	2.286025739	0.225399510	-4.955380e+00	1.005787e+01	10.11526613
## 1795	1.784363393	6.318848772	-9.066632e+00	3.889286e+00	-7.76748191
## 1796	-3.107613960	0.918946019	8.958457e-01	-1.534275e+00	-14.76718614
## 1797	0.667843347	2.179251681	-1.007535e+01	-7.251667e+00	-1.77690381

## 1798	1.350600745	1.871339818	2.727755e+00	5.989438e+00	-4.43738140
## 1799	0.761857484	8.859753626	8.554993e+00	-9.882854e-01	-9.54993992
## 1800	3.685334146	0.652137144	-9.585420e+00	4.032269e+00	-10.47863991
## 1801	3.142013766	-14.245375842	4.960227e+00	1.394609e+00	0.73367779
## 1802	7.347406922	1.845343492	1.521688e+00	-1.350526e+00	-6.49998827
## 1803	1.895056708	5.618014158	-1.125275e+01	2.904922e+00	7.06770035
## 1804	-1.291103352	-3.652737289	-6.688827e+00	-1.659332e+00	0.47045081
## 1805	-1.836018345	6.213294388	1.122699e+01	-1.412202e+00	-1.11556979
## 1806	2.905937326	-4.495889191	6.660828e+00	9.592155e-01	7.39725642
## 1807	-0.634019267	-1.182198088	-1.235096e+01	-3.765421e-01	15.80995103
## 1808	0.966647872	5.131013188	-2.794628e+00	-3.263706e+00	2.95933153
## 1809	-1.158675905	2.837294569	2.674508e+00	1.118401e+01	-11.11394613
## 1810	-3.020179640	-6.794122698	4.250315e+00	-2.616262e+00	3.14886451
## 1811	9.909133722	-1.239416267	-8.760395e+00	-9.041307e+00	-7.47371043
## 1812	-2.971618084	6.262812800	-1.135349e+00	-1.999996e+00	-12.29128263
## 1813	3.729976917	10.286971931	-1.206296e+00	-8.059633e+00	-5.46328942
## 1814	-2.052871788	-0.038206021	-1.531746e-01	-2.718732e+00	3.13789954
## 1815	1.031856347	-1.641727645	-7.873267e+00	-6.713720e+00	4.26995493
## 1816	0.925365493	0.616293035	3.694459e+00	1.568437e+00	0.40126954
## 1817	2.072778342	5.790799324	4.583183e+00	6.976120e+00	6.28171496
## 1818	-0.227934174	-5.730566663	1.074525e+01	5.801428e+00	-4.04545906
## 1819	-2.251565249	-8.044716475	-2.428171e+00	-4.434935e+00	4.61720937
## 1820	-1.933335357	0.648859995	-1.187727e+01	-8.168106e+00	9.36881724
## 1821	3.315083744	-5.403928020	-4.001915e+00	5.969322e+00	-3.74784821
## 1822	2.927124141	-3.468134706	-8.996629e+00	2.637699e+00	7.63572703
## 1823	-0.219147431	0.335449578	8.354940e-01	-6.958283e+00	-2.82049291
## 1824	2.463433909	-1.437896850	-1.296436e+01	6.731986e+00	-10.33454938
## 1825	-1.500349692	-4.940238523	5.650743e-02	-2.544930e-01	-16.51576715
## 1826	-8.038636684	8.574112486	3.567121e+00	-1.582231e+00	3.78065090
## 1827	0.132102026	0.453022462	8.000210e+00	3.195629e+00	12.57203008
## 1828	2.883025021	1.759621104	1.323221e+01	1.675082e+00	-16.27264399
## 1829	-0.449453789	3.622477909	-3.503295e+00	-2.390791e+00	-0.70850300
## 1830	5.146946192	-8.198003535	1.483531e+01	-4.063277e+00	-2.15704625
## 1831	-4.106169785	7.700478645	6.546135e+00	-5.389573e+00	-17.83404138
## 1832	5.061350301	1.084506684	-2.686974e+00	-2.499571e+00	-2.04950943
## 1833	0.098939888	-10.126278786	-1.245217e+01	6.755623e-02	4.60799972
## 1834	0.405780965	-5.463226137	1.416057e+01	6.143533e+00	-1.61453550
## 1835	-0.248531408	1.803317204	4.319831e+00	-1.875118e+00	-2.53017552
## 1836	-1.203872340	-2.366176117	7.503442e+00	-4.665147e-01	-3.58997856
## 1837	-3.170570108	3.795458947	9.146182e-01	-4.983431e+00	-1.73105301
## 1838	-0.278391864	4.892993333	-1.302766e+01	-3.543044e+00	13.06812189
## 1839	0.289406887	-11.013938595	-1.309070e+00	-3.744299e-01	-12.20668846
## 1840	2.983278454	-1.449511838	-8.510356e+00	3.484839e+00	-9.27912821
## 1841	1.263567447	10.439538582	-2.965106e+00	1.709099e+00	2.91649115
## 1842	-0.082439747	-3.425569450	2.055994e+00	-2.317835e+00	0.06819492
## 1843	3.830577544	2.270208003	-7.919848e+00	-2.284853e+00	5.46934165
## 1844	-7.045619534	-6.686198379	3.715895e-01	1.886667e+00	2.62508309
## 1845	2.852833420	1.461916087	2.897856e+00	-4.894426e-01	8.98231573
## 1846	1.395717707	-3.410351415	1.970135e+00	-3.421627e+00	7.63083305
## 1847	1.878096894	2.790170842	-7.992952e+00	-2.075348e+00	-0.88470292
## 1848	-1.974269157	5.432636855	-1.920054e+00	3.730891e+00	-5.63994098
## 1849	-0.216702655	5.988214703	1.417855e+00	6.656948e+00	5.37464916
## 1850	3.528081455	6.255164197	-7.737311e+00	5.831458e-01	-0.94699904
## 1851	-0.353187445	3.055929969	-2.699472e+00	1.609151e+00	12.34992918

## 1852	1.625610257	5.698049674	5.468179e+00	-7.023254e+00	-8.68172544
## 1853	1.808385226	-1.317060930	6.971115e+00	-7.905138e+00	3.61315848
## 1854	1.161962832	-2.728252422	9.865540e-01	-6.230758e+00	7.93588577
## 1855	5.176857587	-0.977072859	-8.517909e+00	-2.595970e+00	-6.64478094
## 1856	5.796966440	-0.839992101	1.094833e+00	-4.036201e+00	15.82021923
## 1857	-1.041921694	-0.283605208	5.078029e+00	7.977676e-01	-10.54461381
## 1858	1.993987100	-3.997937675	-3.183662e+00	-6.700951e+00	10.10369080
## 1859	-2.798003222	4.354184905	-3.866107e+00	8.229206e+00	5.33236251
## 1860	1.776938049	-2.551254136	3.260597e-01	8.281115e+00	2.98040615
## 1861	0.095830029	2.449252298	6.767689e+00	-1.003764e+00	8.58979627
## 1862	0.915668186	-4.890839178	-7.142860e+00	1.953717e+00	-9.90342537
## 1863	1.129490914	-1.781748858	8.996338e+00	2.947077e+00	-0.88874979
## 1864	-2.274261630	-1.835179113	-3.335248e+00	6.003009e+00	4.43402206
## 1865	-4.525169481	1.483806368	6.832446e+00	-9.316788e-04	-5.68473618
## 1866	-0.020142732	-1.377175256	-7.074887e+00	-3.204999e-01	-17.58558199
## 1867	2.042057443	-6.532250475	6.509071e-01	1.325724e-01	15.99450077
## 1868	2.126842477	-8.749900097	3.685336e+00	1.861249e+00	6.05828163
## 1869	1.658493501	4.178543660	1.705355e+01	-4.908393e+00	-4.80247878
## 1870	-0.504427237	5.856136048	8.993956e+00	4.445630e+00	1.75468547
## 1871	0.269335022	-0.522721244	1.521640e+00	2.176462e+00	1.98053305
## 1872	2.952543980	8.322980105	-9.921565e+00	3.385677e+00	-5.73813140
## 1873	4.548117892	6.598877287	5.643750e+00	2.283138e+00	-3.53055651
## 1874	-0.748464074	-4.724378690	-1.159758e+00	-6.473222e+00	17.50217043
## 1875	1.300814501	-3.939750534	-1.881376e+00	-5.576465e+00	2.73119156
## 1876	0.115340347	4.197290333	2.999010e+00	-3.083972e+00	-3.14417482
## 1877	-3.584005704	0.389764740	-8.603334e+00	3.787314e+00	13.13034717
## 1878	-5.944268868	7.129817525	2.803865e-01	1.040872e+00	4.07380441
## 1879	3.664081309	-2.909882897	-9.911471e+00	4.409538e+00	10.12987166
## 1880	6.632532454	5.312733836	-6.734394e+00	-7.264788e-01	11.28807268
## 1881	8.228134647	10.120796600	-1.680801e+00	-1.476149e+00	-6.32641751
## 1882	1.706888976	-5.226319785	-1.709270e+00	1.400644e+00	3.26614046
## 1883	-0.924971637	-3.033676292	-1.368635e+00	8.064979e-01	5.05171334
## 1884	-1.044861094	-3.153322124	-1.790123e+01	2.245461e+00	-3.11721930
## 1885	-4.439380914	-6.502586947	1.213882e+01	5.349767e+00	-1.48510820
## 1886	-4.118204210	3.442619362	2.414897e-01	7.270485e+00	-2.95779512
## 1887	-2.047792183	1.342355200	4.457561e+00	-1.111284e+00	5.19259765
## 1888	-0.945720703	-4.154923370	-1.205314e+01	-7.625459e+00	16.08222433
## 1889	-1.458342358	-0.606730728	4.922599e+00	-7.878638e+00	9.22485727
## 1890	4.292655970	-2.212487421	2.806308e+00	1.922582e+00	4.12039346
## 1891	2.986866240	4.335814072	1.210567e+01	-4.025918e+00	-14.19856721
## 1892	0.220152557	3.979134660	5.562945e-01	9.166588e-01	-10.18025072
## 1893	5.109847428	-6.458647858	-2.167960e+00	-6.004747e-01	-1.88904174
## 1894	-0.238554624	-6.473308681	-1.707617e+00	-2.512624e+00	2.46888630
## 1895	-1.654964600	-10.836847142	-1.134626e+01	4.658197e-01	11.24816277
## 1896	1.504322808	-1.043627804	-7.114450e+00	-3.285818e+00	4.77119188
## 1897	0.090351702	6.222398398	-4.808084e+00	-3.706255e+00	5.60190712
## 1898	-0.105876413	3.936184050	-8.055481e+00	5.197347e+00	-3.69042125
## 1899	-0.714990439	-1.569327576	-4.184708e+00	-3.914504e+00	-4.39317399
## 1900	2.070342258	5.489368699	3.748666e+00	8.443944e-01	1.24001687
## 1901	1.268709281	3.404544027	-8.122467e+00	-3.336477e+00	0.28327775
## 1902	-1.260638076	4.353659172	6.614407e+00	4.821568e+00	7.84149911
## 1903	-1.399887798	-3.412267177	4.458660e+00	-2.906734e+00	4.92517692
## 1904	-4.157272909	-0.288016887	2.531145e+00	-4.870458e+00	-11.06619010
## 1905	-3.996532894	-4.508217507	-6.489067e+00	1.817688e+00	4.27713167

## 1906	6.823592489	-4.534412623	-5.093154e+00	-4.604264e+00	-5.87379806
## 1907	0.365044177	2.448761068	-1.033685e+01	2.272123e-03	-2.63481271
## 1908	-2.178385958	6.161266112	-8.240708e-01	-1.478141e+00	6.27346208
## 1909	-0.868963386	-4.232797076	-6.451367e+00	3.831825e+00	2.57999772
## 1910	-4.056642995	8.986394812	-3.024293e+00	-8.261531e+00	13.32173653
## 1911	-3.215491175	4.389289789	-1.668383e+01	-9.067347e+00	-5.50404514
## 1912	3.675216557	1.850522085	-1.423334e+00	3.342379e+00	-8.06767938
## 1913	-1.440211566	4.912186717	8.024951e+00	1.835085e-01	-20.66658361
## 1914	-2.706451126	1.022807728	9.643746e-01	6.170553e+00	-16.04665921
## 1915	-3.465229378	3.767915672	-2.214772e+00	-8.748654e+00	-0.98929912
## 1916	-6.776351182	0.135534347	6.393679e+00	5.288677e+00	-3.11448420
## 1917	4.051873538	5.838544574	3.623748e+00	3.572151e-01	-6.79521863
## 1918	-2.459992457	11.879819433	-2.579915e+00	-5.084542e+00	-3.59816731
## 1919	-2.492567392	-1.017876653	-1.032284e+01	9.906649e-01	-9.02576886
## 1920	-3.511370265	4.071396225	6.099444e+00	-1.249091e+01	2.45778345
## 1921	3.745765927	-3.483618993	1.686320e+01	2.056090e+00	11.96450592
## 1922	0.017369929	-14.304549915	-3.533654e-01	4.474631e-01	-3.78568142
## 1923	-5.677462790	0.863017305	-6.652218e+00	4.097630e+00	13.81251639
## 1924	1.692492912	-4.075454114	9.907700e-01	2.456861e-01	12.42513390
## 1925	0.868532292	-2.865512441	1.575725e+00	-2.658418e+00	-6.04565803
## 1926	-0.926140101	-1.704762159	-7.512256e+00	2.102738e-01	-2.42823214
## 1927	-2.165305585	1.034758699	-9.356334e-01	-5.721552e+00	-3.81797130
## 1928	-1.786816911	6.369207059	-5.996790e+00	-1.288464e+00	8.06052630
## 1929	3.142562745	-4.990712353	-7.267166e+00	8.389722e-01	-2.56007462
## 1930	-0.577067024	6.601968483	1.285509e+00	2.253543e+00	-8.39132174
## 1931	-1.685071115	-8.610940538	7.088905e+00	-1.560193e+00	0.56263315
## 1932	2.013020127	-5.042856751	-4.506285e+00	5.594076e+00	-2.96922327
## 1933	3.755020746	2.690279088	-3.265676e+00	-1.540648e+00	6.50391698
## 1934	-0.695983371	4.546340466	1.621539e+01	-5.309082e+00	11.28977636
## 1935	1.562197467	5.140334812	-1.043015e+01	1.352480e+00	0.74907943
## 1936	6.092172283	-0.467930415	-2.144306e+01	6.518703e+00	-4.40258540
## 1937	5.688857555	4.619519232	5.835043e+00	-2.369837e+00	-1.36585114
## 1938	-1.248422249	2.426294682	-1.013524e+01	7.520705e+00	-12.23025529
## 1939	-4.097341527	-4.547217184	7.479055e+00	-1.180393e+00	5.07669753
## 1940	0.115820169	2.369876637	8.844091e+00	-3.274684e+00	2.15903969
## 1941	3.633682872	8.938461653	-7.272408e+00	-7.057151e+00	6.11939975
## 1942	0.752291344	-3.028661613	1.202311e+01	-3.812352e+00	-0.56738652
## 1943	0.328881855	4.351734864	1.734808e+00	2.150504e+00	3.24809609
## 1944	-1.900162473	7.734529259	1.431393e+00	-1.051598e+00	5.18142219
## 1945	1.458399028	1.472296230	7.137172e+00	-4.816388e+00	-1.37932345
## 1946	-6.532962582	2.936660768	1.040646e+01	-2.012696e+00	6.40416489
## 1947	-2.590605887	1.155262154	-7.391477e+00	-6.026745e+00	-3.23534582
## 1948	-4.879435586	-5.363267078	1.231466e+01	2.165816e+00	16.14553311
## 1949	-3.756236204	-6.556656639	1.638212e+01	3.960901e+00	8.37531292
## 1950	0.540228668	1.015711123	5.329828e-01	8.252692e-01	-13.17489439
## 1951	-0.408616456	2.927004364	-6.131867e+00	2.189830e+00	1.15942025
## 1952	0.472327068	3.671198423	-7.064499e+00	-3.872058e+00	-3.33620586
## 1953	-3.029451959	6.098233938	-7.602261e+00	5.979806e+00	-10.85731995
## 1954	0.252580665	0.973752144	1.603826e+00	-3.061043e+00	-5.07994300
## 1955	0.670049067	0.784453450	2.884548e+00	-2.389053e+00	-6.74368888
## 1956	-1.460795020	-3.789994936	1.001699e+01	-1.438137e+00	-0.91547846
## 1957	3.489428045	-3.035626993	7.901299e+00	4.300643e+00	6.10924145
## 1958	-4.683305291	-4.409464348	1.728752e+01	-3.168437e+00	5.01114056
## 1959	1.755551595	-0.041232567	-1.956345e+00	1.053044e+01	-4.39718067

## 1960	0.167627790	7.130665187	-1.228546e+01	-3.781136e+00	-0.18028241	
##	x20	x21	x22	x23	x24	
## 1	-1.909113595	-1.737939846	-2.516714605	3.55301293	euorpe	
## 2	-5.809984040	10.814319189	-0.478111960	10.59060053	asia	
## 3	1.700321201	-2.419221319	2.467521489	-5.27061479	asia	
## 4	1.923669975	-14.179166744	1.470625026	-11.48443075	asia	
## 5	-9.026317453	-7.039817551	-1.978748355	-15.99816560	asia	
## 6	5.737035869	-5.469731075	7.534708387	2.22512030	asia	
## 7	0.064948891	15.580817116	2.091217832	-12.29833373	asia	
## 8	-6.225804453	0.881254536	1.717614085	-6.01266753	asia	
## 9	1.234919574	2.902871491	-1.876331131	24.31933588	asia	
## 10	2.156751539	-13.728235415	-0.135280803	0.12800603	asia	
## 11	-4.213963835	0.166857987	7.066259487	-3.68116696	asia	
## 12	4.716943313	15.393894948	3.682096855	-13.15422292	america	
## 13	1.894704280	-1.415245306	4.928973137	22.53402292	asia	
## 14	0.811367335	-8.140099960	2.047111989	0.41293746	asia	
## 15	-8.146114085	10.145145794	0.930105459	19.61704034	asia	
## 16	7.296032863	-6.776754720	1.824545844	24.71371039	asia	
## 17	-2.349333369	-4.936517562	-0.899038468	-6.35640279	asia	
## 18	-2.224256792	-13.124347736	4.425906597	-9.63342478	asia	
## 19	-5.009777573	-0.283332707	-6.156182343	-18.24551598	asia	
## 20	0.183873237	10.248719863	0.156021013	-18.43608089	asia	
## 21	7.598888625	-11.312958299	8.879631410	19.06965608	asia	
## 22	1.698675200	1.514966600	1.061757837	12.29835162	asia	
## 23	6.236665269	11.366462389	2.562921639	7.96181202	asia	
## 24	5.361774536	3.028591555	1.512808985	5.75933026	asia	
## 25	-0.423208887	10.421692265	4.370145618	-17.43752592	euorpe	
## 26	4.001020570	15.626450443	6.154896429	-12.40755664	asia	
## 27	5.549501629	9.592799268	-2.586622669	-9.43236570	asia	
## 28	7.059077620	-4.634752868	6.210721288	0.08631625	asia	
## 29	-8.505708524	-2.914064195	-3.990261017	5.00528543	euorpe	
## 30	6.476096626	3.097804270	0.374001271	-8.47892509	asia	
## 31	8.261999297	-14.490711089	-0.438845387	-34.64102849	america	
## 32	1.911281544	4.250181538	10.289090195	0.96061738	asia	
## 33	-8.883644888	-9.459295038	7.094489732	5.07047334	asia	
## 34	-6.521517563	-1.522515881	3.379131558	20.44481084	asia	
## 35	-0.037859935	4.909414200	1.562101217	2.23156151	asia	
## 36	-1.805395812	13.873624938	4.110352507	-1.59344232	asia	
## 37	10.191764819	15.983042289	-2.938444449	13.07237399	asia	
## 38	-7.909062394	6.529557661	3.675081867	11.34007028	asia	
## 39	-5.979890884	3.914478557	-0.883673829	-0.53026203	asia	
## 40	7.113584918	-0.582219697	-1.064659999	-11.30029618	america	
## 41	-1.309937088	0.044143410	-1.583638587	3.67489434	asia	
## 42	6.279468514	-11.250230617	-3.612333341	23.38765007	asia	
## 43	-3.903455705	1.199991980	2.189343535	24.30577630	asia	
## 44	12.759961946	-18.458077612	2.040211705	1.29629183	asia	
## 45	1.420291931	8.964642147	7.044305704	1.06683272	asia	
## 46	2.225551685	-0.896440160	0.377344416	18.19091615	asia	
## 47	-1.051068660	1.190953016	-2.723512938	0.37287444	asia	
## 48	-4.733485455	-10.286869449	8.489659685	-0.85365435	euorpe	
## 49	2.680485075	7.105866280	6.079265786	14.08575041	asia	
## 50	-1.080482063	-12.818745310	2.759731060	-14.24923884	asia	
## 51	-1.289478250	10.635743415	-0.002624468	-13.20831817	asia	
## 52	5.441532284	15.171598542	-0.511138190	-6.86209776	asia	

## 53	0.799976442	5.840519355	4.184619886	-16.42234288	asia
## 54	2.307915740	-4.105568843	-7.061175752	-1.60899613	asia
## 55	9.024414394	-2.136040769	3.588431361	-8.90926251	asia
## 56	8.112285330	5.239049972	2.635326192	-18.34700823	asia
## 57	7.413086817	6.542213169	-3.089781538	-4.15303711	asia
## 58	-0.421561581	2.151470962	-2.523960448	2.41327557	euorpe
## 59	-2.738683078	10.127349541	4.611635401	-32.41375228	asia
## 60	-3.351468374	4.567336582	-1.921110151	0.97526061	asia
## 61	-1.177595450	-7.174668323	-1.770522813	-23.88618068	asia
## 62	-11.086329000	8.465230656	0.527021957	-6.23020857	asia
## 63	3.364741369	8.073674042	4.981238298	-22.37369288	asia
## 64	3.663194001	8.878907604	-5.267280645	3.63483299	asia
## 65	4.271066451	1.960936596	1.455688898	1.50453637	asia
## 66	6.484579942	6.480866073	5.412594643	28.62402527	asia
## 67	10.345038733	10.424752193	0.886241620	20.21325675	asia
## 68	-2.430109126	5.478935399	4.883243543	-15.67018398	asia
## 69	-5.982746482	12.869000287	-6.735583568	-16.70688410	asia
## 70	-6.415845457	-7.557338880	-12.348108430	-14.54155497	america
## 71	-0.635537714	-3.367377668	5.524278111	-12.73928355	asia
## 72	1.160143751	24.534081632	-4.469840650	-2.52182055	asia
## 73	12.556287168	-5.900142239	7.027336087	0.41315125	asia
## 74	6.052987251	3.859444684	8.453477508	-13.95125908	euorpe
## 75	5.847010089	-11.654999560	5.868507647	4.66156239	asia
## 76	-5.263960553	-2.847041557	1.658994420	3.35311436	euorpe
## 77	0.384120163	9.847136260	7.299865734	25.14533592	asia
## 78	-5.021737731	-12.680771607	11.633135424	18.25608572	asia
## 79	3.491831272	-0.220347359	-4.303155946	-14.57516325	euorpe
## 80	-2.613839444	-8.499968659	-4.048383021	-2.53474491	asia
## 81	-4.272515511	2.885492659	-1.656880739	-1.66486370	asia
## 82	3.580394481	-0.069881528	-0.906032717	7.65011166	asia
## 83	2.571677619	-11.063700589	-5.212823318	11.10394312	asia
## 84	5.647153982	11.316247341	1.508541500	-6.14061526	asia
## 85	3.823165487	7.878177902	3.720605258	13.04709718	asia
## 86	-13.780627342	-10.398961948	2.963539539	-29.39686002	asia
## 87	0.530131182	-5.568949100	-1.200269291	23.02423096	asia
## 88	-3.342958852	6.756138643	7.035158148	13.62338828	asia
## 89	-4.849310726	1.573112955	-5.993345642	-1.42758765	asia
## 90	-0.393200135	-1.910558176	-3.563451895	-18.45776696	asia
## 91	0.458115442	-7.567691169	4.088095974	-7.49273271	asia
## 92	-7.532144908	-4.945677809	5.468713797	19.85075834	asia
## 93	8.007671067	-15.174912217	-1.385683299	-5.76103188	asia
## 94	-0.606485590	-4.873730224	-6.370596068	-10.66216436	america
## 95	-3.356051422	-5.526433874	-1.814331714	-1.49200351	asia
## 96	-6.411057007	4.483386954	-4.744627630	28.66175133	asia
## 97	-0.702687706	-11.063660564	-3.171441347	9.07627769	asia
## 98	6.397879255	1.986981338	0.869575643	3.81049151	asia
## 99	-1.365939505	-2.467100773	-6.412542831	8.41212719	asia
## 100	4.674274907	5.118946494	-10.854421199	8.23852863	asia
## 101	-4.769753827	-2.853094994	3.582849316	-11.33141744	asia
## 102	3.870951154	0.209297097	1.265739772	8.36927706	asia
## 103	1.013531400	9.153728116	3.347623792	-5.52185681	asia
## 104	-5.601552553	-7.919697688	5.517108602	16.84948846	asia
## 105	7.669801291	-15.502639552	0.512723052	-10.65113500	asia
## 106	5.081949010	19.635118124	8.983185850	1.45162243	asia

## 107	0.654507632	5.247637267	-3.772900785	-13.01203154	asia
## 108	-1.070682590	14.737073672	-3.300386344	25.24256605	asia
## 109	5.051404567	-15.844425366	7.266016697	-6.71245923	asia
## 110	0.639223670	18.325392522	-1.653649087	-17.72703134	asia
## 111	6.584079740	0.912427770	-3.828972987	2.49947465	asia
## 112	-2.731844463	-0.425798785	-0.171497274	-11.54435806	asia
## 113	7.911837622	-2.258645103	1.813304558	20.10437348	asia
## 114	4.326987405	-1.836249803	7.341216085	-7.62734119	asia
## 115	0.542063018	8.213397223	-0.098802060	18.96971234	asia
## 116	-0.717250036	-11.199231914	-2.589813657	5.54298031	asia
## 117	-3.763951559	-17.343146539	5.297962734	-22.83081755	asia
## 118	0.182813351	-0.005796527	3.066689358	-14.27702236	asia
## 119	2.594436240	-24.699168388	0.801378337	4.91950345	asia
## 120	5.948360647	-3.123113170	3.927415855	16.83858736	asia
## 121	-0.071352154	-18.401596275	9.261069256	-9.07545294	asia
## 122	3.391073167	-0.500926214	6.438629845	7.32860763	america
## 123	4.888022980	-3.009031406	-9.953782165	11.58680068	asia
## 124	-5.594359074	-2.612617740	4.041280897	16.13016208	asia
## 125	-0.298324215	-9.020450940	-1.055837912	-9.60562739	asia
## 126	-10.431150487	3.669329970	-5.343600189	5.11352227	asia
## 127	5.761076100	4.055675390	-4.430134070	0.30727678	asia
## 128	0.983262609	3.050667255	8.949987067	-4.58362171	asia
## 129	-3.074683160	-1.603854440	1.724837415	-35.84290402	asia
## 130	2.405584047	-1.407123385	10.224242850	-17.43765288	asia
## 131	-10.698895435	-28.936982693	2.427522017	4.94218605	asia
## 132	-5.471035997	-14.837014515	-1.723775769	7.72762870	asia
## 133	14.706910382	-11.420166492	-0.943264501	-11.55981911	asia
## 134	2.613160859	-13.682599246	-2.282661714	38.05036379	asia
## 135	2.148407906	12.571908260	-9.610733968	3.58655439	asia
## 136	8.327299345	4.295171317	11.313270244	-14.87931626	asia
## 137	-4.543957383	5.746555887	6.486844997	0.89665420	asia
## 138	6.886559374	8.036685382	1.085063820	-7.07693867	euorpe
## 139	-0.968933678	7.357969462	-4.935968027	10.80602658	asia
## 140	5.743070576	13.938219665	0.210634971	6.43543638	asia
## 141	-7.026063161	13.446964212	-0.696244003	7.15117700	euorpe
## 142	-2.705149261	-4.915171833	5.107557252	9.80033933	asia
## 143	-9.991380749	-4.930817363	4.499516469	-1.01544597	asia
## 144	5.645950120	1.944633029	9.673466673	-3.32608486	asia
## 145	6.690626291	8.800745446	-6.146861917	-16.56327700	america
## 146	-2.877270604	-10.570352739	4.796340723	12.75250019	asia
## 147	-2.459698473	-15.484359083	-0.948292184	-17.90255615	asia
## 148	-4.201815581	-3.150684715	-9.978457374	14.99564221	asia
## 149	-2.185198045	14.505598244	-9.077663633	26.66377775	euorpe
## 150	5.622351525	-6.239646299	-2.792086179	3.94230605	asia
## 151	5.838138910	2.374603002	-2.481273404	-10.48981481	america
## 152	2.052007921	-15.898508570	5.683896728	17.45606540	asia
## 153	1.626213772	2.676785736	3.470082887	4.13442427	asia
## 154	0.416502445	6.559922803	1.069310022	8.85708825	asia
## 155	3.055960047	-4.697082585	-6.320900756	-25.04297010	asia
## 156	-2.984229708	-14.111884215	4.888209663	-16.51254844	asia
## 157	1.195703451	-2.095189276	-10.304093452	31.90999700	asia
## 158	2.628374396	4.423770227	-4.183813170	11.84229363	asia
## 159	-18.555694633	15.551953980	-5.293738879	-31.61887324	asia
## 160	-7.649494673	-5.017794073	-3.546494110	4.11286832	asia

## 161	-3.613818724	1.535610882	6.464285741	9.31879050	asia
## 162	-0.347573998	-1.533873491	8.992149465	7.92769296	euorpe
## 163	-2.100087291	-0.237138523	1.125550177	11.74805885	asia
## 164	-1.993793536	-20.921619295	-7.076119467	5.66749054	asia
## 165	-7.069507168	-6.630140922	-4.380263273	3.62889672	asia
## 166	-2.807891664	15.165201582	-6.973993219	5.91816383	asia
## 167	-4.609933765	-1.918085521	1.707987285	-38.91424640	asia
## 168	8.859664621	18.037113987	-1.448877548	-8.75632674	asia
## 169	-6.633908734	2.785479628	-6.888472878	-20.25308267	asia
## 170	-1.089873558	-2.491770928	-5.767011757	-17.51087561	asia
## 171	1.352133689	-0.699800902	1.922980640	-8.25430470	asia
## 172	7.443320831	-2.915202549	2.518288590	-3.44469595	asia
## 173	-0.364173430	-10.742545099	-3.115061461	14.16270326	asia
## 174	4.847195521	3.278357548	-3.386494870	18.66396438	asia
## 175	-6.401849017	-3.781926556	-5.061304217	-8.39524900	asia
## 176	8.565709376	10.040568503	-1.262352339	34.34444140	asia
## 177	2.902552215	-1.672273928	5.978014717	-0.24992555	asia
## 178	-1.960186865	-10.185420051	-4.275346651	-0.70056102	asia
## 179	2.095338415	-6.201186826	2.215969344	2.85249407	asia
## 180	-7.276961673	3.202484938	-1.129192988	-12.00491420	asia
## 181	1.685502978	-10.523900825	-1.831909191	1.50710403	asia
## 182	7.077729489	11.862333917	-4.301710180	-17.58449009	asia
## 183	0.618439153	-10.879148370	1.073208987	-7.15262518	euorpe
## 184	8.305211134	1.501999457	-5.911616617	26.30117341	asia
## 185	6.772192884	-7.719402312	1.443532564	-10.50468027	asia
## 186	-1.427676035	-1.241323987	3.346314551	-21.61704554	asia
## 187	-4.229369716	-12.124686719	4.253655727	-7.09203384	asia
## 188	3.543207116	-8.662133273	-2.066252133	3.00955606	asia
## 189	3.206676827	5.500273880	-4.209272073	3.98727629	asia
## 190	3.420028942	9.066968078	12.720476981	-0.44494214	asia
## 191	-2.429648051	6.214916926	0.441141816	25.88771660	asia
## 192	-8.338962241	1.013723865	-5.191790430	8.03910759	asia
## 193	0.498828140	1.031526229	1.240992440	-22.89382084	asia
## 194	-3.417646834	9.182929700	-0.123983436	-6.89302987	euorpe
## 195	0.433624087	16.396589354	4.157711260	-21.25647056	asia
## 196	2.568163836	3.411768050	-2.236293224	6.67420752	asia
## 197	-7.449975802	-7.133109241	8.459649761	8.76967455	asia
## 198	3.631260713	-1.612282511	2.304166468	26.58823371	asia
## 199	3.822238960	-8.730257858	-2.919302518	17.93541446	asia
## 200	-3.424671811	10.073288726	-3.747439844	8.06490742	asia
## 201	-0.090548984	5.371762813	5.272228626	14.28764566	asia
## 202	-1.651029683	-5.099188062	4.223936645	16.21129878	euorpe
## 203	11.642368080	7.594638272	-8.773562375	1.54010941	asia
## 204	1.895519346	8.366774240	-0.505295861	-10.31798300	america
## 205	2.217509204	0.767024800	8.197569434	-20.71155329	asia
## 206	5.486061848	-8.487313452	2.693975514	-11.23951385	asia
## 207	-8.846312003	2.268228188	-1.126402749	-27.85122213	asia
## 208	-7.713824530	8.417030992	-2.211245168	-1.19105829	asia
## 209	-7.012376709	6.138363625	-3.762099274	10.41941658	asia
## 210	-1.873034289	12.153877166	0.147427763	-22.46580889	asia
## 211	1.942174988	-7.552810048	-1.951574439	-5.12997739	asia
## 212	-7.348978532	2.825798692	-6.312481278	-3.14327261	america
## 213	-0.722796691	17.090688120	-4.817585608	18.68742014	asia
## 214	8.940147592	-11.689042894	8.528873135	19.59031404	asia

## 215	9.852228009	0.591365705	-2.850352942	-26.58685957	asia
## 216	11.150428772	-3.965754001	8.672549939	-10.48310661	asia
## 217	-1.922660404	0.451464987	-11.062526676	-16.78730316	asia
## 218	-0.348050925	3.320354432	-1.591221269	1.91379213	asia
## 219	7.054699981	-6.965424925	-6.193463918	-16.92113694	asia
## 220	15.027333466	-6.655823402	1.347801227	5.37307658	asia
## 221	6.173512420	-12.921174950	-5.906841437	17.72315106	asia
## 222	-5.581149317	-0.526621995	3.393304088	-23.55449275	asia
## 223	-5.304442325	9.464373227	1.812859130	2.68723097	asia
## 224	-0.073681979	16.123258713	-3.949968946	-47.99394865	euorpe
## 225	-2.965819482	5.140647660	-7.933896389	-14.44920493	asia
## 226	3.199145419	-3.916909435	-0.573897806	16.58260042	asia
## 227	2.091186210	-11.469811747	0.258411295	-23.59379929	asia
## 228	-4.869794694	11.652326342	11.760369578	21.58257678	euorpe
## 229	12.848991255	-9.882759193	10.691504463	0.61616070	america
## 230	5.692645475	1.963863017	11.129556174	-5.50497784	asia
## 231	-4.620292372	-1.190360212	3.939341748	-14.74418735	asia
## 232	-0.769595878	7.447205749	0.136321459	6.53257838	asia
## 233	-11.699015298	-5.390924689	3.385889740	-30.68767296	asia
## 234	-13.057645674	5.852686302	2.262986841	19.02280008	asia
## 235	2.593752472	-13.671180444	4.014005590	22.20661699	asia
## 236	11.579197741	-8.554558484	-11.364102858	7.27307817	euorpe
## 237	-2.253819233	-1.534072332	-1.738246676	-6.00003451	asia
## 238	-0.394272698	4.835027295	0.685604404	19.46980779	asia
## 239	-6.187953431	4.454943125	0.723017992	18.15452261	asia
## 240	5.510280237	16.576711068	8.271779282	12.17692693	asia
## 241	5.600829033	18.789579901	0.530441166	-1.02606241	asia
## 242	2.445898989	-9.420274670	1.291181903	26.23061261	asia
## 243	-1.297735174	-5.385111160	6.535178016	16.76780310	asia
## 244	-0.756750582	20.377118777	2.808017121	-20.35815342	asia
## 245	13.053270099	-0.307991839	-5.321289066	22.14651213	asia
## 246	-13.071645207	-6.783019343	6.488786555	-3.44624817	asia
## 247	7.566503175	0.834867832	-3.907805843	-5.23589250	asia
## 248	-8.241279709	-25.382789867	-2.185426634	-4.94012686	asia
## 249	-3.663416298	6.451519201	-9.930179605	-8.50223394	euorpe
## 250	10.691547932	0.585497162	1.310858244	-8.60092690	asia
## 251	-10.568264220	8.315756797	-4.663942282	-7.80534360	asia
## 252	9.893300051	15.586304610	7.456340692	-24.33953886	asia
## 253	-1.384575756	3.614540496	-8.050334330	31.34819208	euorpe
## 254	0.852650647	18.691457248	-3.102564196	3.49732302	asia
## 255	4.083298080	18.364727951	0.124966091	-1.49725072	asia
## 256	0.270363740	9.677980688	-3.982372345	15.92731698	asia
## 257	-2.792936640	8.628933299	-5.608543519	-13.87371833	asia
## 258	-9.236493851	-11.011842915	0.862493774	4.95829433	asia
## 259	-2.118286167	5.498330498	-11.131242100	-7.80314364	asia
## 260	-4.608675607	-6.545289011	2.472725712	25.51874196	euorpe
## 261	5.082400034	19.012129555	-1.737327325	-33.50124294	euorpe
## 262	5.196325313	-0.296672455	0.019623420	-9.45361593	asia
## 263	-3.877812533	-10.634020303	2.946535071	-7.02996158	euorpe
## 264	-2.952170455	-7.079697613	0.456937620	10.03360090	asia
## 265	9.959478463	-0.507255021	9.105430176	15.52067640	asia
## 266	5.288083486	-19.854004841	-2.607856825	12.88136881	asia
## 267	-14.620439593	8.071121985	-3.923747530	15.44914110	asia
## 268	8.469645479	-4.962615426	-3.931937375	7.66083339	asia

## 269	4.051212653	-15.214957058	-5.344416224	-0.63066243	euorpe
## 270	-7.340144028	13.698127654	0.064936290	3.95329561	asia
## 271	-0.657243633	6.157550903	-0.813602619	8.30613048	asia
## 272	5.675955423	6.971894977	0.151977422	10.74070825	asia
## 273	2.081364466	-1.143213277	5.973979197	2.75074531	america
## 274	3.260912501	-7.841414993	-0.026211846	-18.26390772	asia
## 275	-8.268730786	-7.503226271	6.353893575	-25.04948331	asia
## 276	-3.938869533	-2.427227136	2.065031791	0.03846336	asia
## 277	12.238277223	16.996212802	-1.129691706	4.85287507	asia
## 278	-1.047490535	-15.581948663	-1.604925653	-7.27084740	asia
## 279	4.698203780	12.157397000	6.086406511	NA	asia
## 280	-7.991348954	-6.911554128	2.149089350	26.59600012	asia
## 281	9.279411680	-10.008451994	5.761466926	15.88428978	asia
## 282	6.400719404	3.013768022	-4.528065346	-4.02782025	asia
## 283	0.423535455	-6.026914625	-1.141918542	-26.65245383	asia
## 284	-9.062104396	-19.855580036	-0.304448138	-5.98874499	asia
## 285	-15.458601637	1.421633220	-5.454375406	-24.74355378	asia
## 286	6.830942192	-12.986831951	2.836578036	9.40964314	asia
## 287	-5.413745731	3.562825845	-3.819603770	-3.54456138	asia
## 288	1.475402065	4.500932169	2.740508455	-29.96828115	asia
## 289	0.736212957	-16.744699112	-1.693689823	0.33356676	asia
## 290	-4.042208984	-14.208342231	5.381710366	10.40857009	asia
## 291	1.158177580	-9.756753098	-1.447158098	-12.98684577	asia
## 292	-6.183275425	1.731120103	10.343075370	-8.75637037	asia
## 293	-10.600313469	-14.860897426	1.083940206	-14.10556929	asia
## 294	-5.061217266	5.051778529	1.737304633	2.68464958	asia
## 295	-1.812658191	-17.294438694	10.080485810	13.94209818	asia
## 296	-4.148513224	-13.138413037	4.465368360	-16.85363390	asia
## 297	-6.110336876	-10.710932713	7.716486630	-1.24115294	asia
## 298	5.978502520	1.100302396	-3.772506608	-13.80834933	asia
## 299	3.876075105	-4.473534168	1.623544119	-28.66314755	asia
## 300	-10.242278774	16.899434033	0.280966257	-4.23552975	asia
## 301	1.533696394	5.565416914	6.412708532	27.16928720	asia
## 302	3.642296272	13.706134856	-17.838528356	-4.52028148	asia
## 303	-3.236816527	2.922093213	-4.379242164	19.24055387	asia
## 304	-5.288415746	-7.163341305	10.707365944	0.21894380	asia
## 305	1.675952947	5.286532226	-10.622823239	9.90910232	asia
## 306	-8.594819654	-5.153057543	-1.309006415	-13.43832427	asia
## 307	5.726289334	-13.570142674	7.898099125	0.63827058	asia
## 308	3.000230486	10.525760957	4.099147384	-1.54492485	asia
## 309	7.991674174	2.868641730	7.162569061	8.54492694	asia
## 310	10.315118278	-4.475440102	0.083621389	16.98686694	asia
## 311	5.920534643	-1.985832547	-8.293198863	-16.07621754	asia
## 312	8.884174621	2.197347550	-1.645771778	-11.54015870	asia
## 313	-13.669523527	4.952430284	8.034789734	-36.85758276	asia
## 314	7.759298646	-7.323700512	5.574030317	-0.87987832	asia
## 315	-4.313427356	4.828248412	8.771619628	18.28233767	euorpe
## 316	-3.622682293	8.728294793	10.472939469	24.83329029	asia
## 317	6.066815079	0.728831244	2.374103585	30.47815528	asia
## 318	7.463029678	-2.600759687	3.221335277	-21.05995520	asia
## 319	8.178545201	-1.662576135	-2.589035486	22.41348259	asia
## 320	0.956934744	5.769365128	0.083495670	19.39822626	asia
## 321	-11.381781176	-9.557825305	-6.510211310	-14.24105519	asia
## 322	-3.767003316	5.310848447	-1.142673168	15.04541753	asia

## 323	-0.550754917	11.023887351	-3.165427873	-0.13628341	asia
## 324	-2.262761517	-4.125855773	7.196972747	7.20965899	asia
## 325	2.124099156	7.983540805	-3.899996550	6.95912366	asia
## 326	-4.765316408	-1.127928540	-0.221579090	8.66118365	asia
## 327	6.862505110	8.474428728	4.392975590	-4.22233839	asia
## 328	6.941508010	12.120363902	-0.439799840	12.23586995	asia
## 329	-16.586120108	-3.117243569	-9.802681238	-43.99900806	asia
## 330	5.192277624	-13.996926942	2.820936722	24.63172939	asia
## 331	7.918069259	-0.706310188	-6.657777166	3.01010031	asia
## 332	6.650820084	-1.601339056	-1.050612642	-3.25540237	asia
## 333	-2.541702664	6.976473443	-6.075906376	19.65545487	asia
## 334	-0.970575965	12.226107407	8.642388259	15.29592231	asia
## 335	10.411829578	3.153670947	-2.226496806	-1.45241877	asia
## 336	-5.683559857	2.068719708	4.794937559	-5.84396234	asia
## 337	9.398718140	7.080343583	2.174740512	14.84944862	asia
## 338	3.785188760	-8.949519388	-3.394192147	-3.67813430	asia
## 339	3.036104281	1.279029532	-2.586699903	18.54130207	asia
## 340	2.983553322	2.524471166	0.748252108	10.35507318	asia
## 341	0.552728804	15.407968034	9.798232053	-6.95700854	asia
## 342	0.837147470	1.682752992	8.554824638	-14.14509754	asia
## 343	13.959689647	-9.942610545	-0.542936489	-5.95836328	asia
## 344	1.045496672	1.610720455	1.307733776	9.51237507	asia
## 345	1.499494417	1.372865335	1.094349567	28.90186084	asia
## 346	1.820056294	10.367020348	-2.722780578	-21.01013760	asia
## 347	4.459869171	8.674533905	-3.621845171	-1.31195168	asia
## 348	-0.599017640	20.618074971	1.175771932	-10.55290936	asia
## 349	-10.829241611	0.852821816	-3.536588209	-16.99979178	asia
## 350	-1.058925137	1.900191004	-0.870203584	9.52117522	asia
## 351	-2.524169413	5.497088922	0.343689686	-0.86697023	asia
## 352	-1.181893340	-15.960201246	-6.104978410	-11.08026291	euorpe
## 353	-5.151603757	-1.531738435	4.993505948	-3.90005131	asia
## 354	-4.771848364	17.206766958	2.081432283	3.18553230	asia
## 355	1.308964913	6.105636955	7.628742998	-5.59858098	asia
## 356	2.344210156	-8.783207888	1.838912643	6.41750585	asia
## 357	0.888015296	1.452142456	3.672720915	15.65979400	asia
## 358	-2.773358262	-12.810643308	1.856826520	-26.41947126	asia
## 359	0.350605297	-3.673595187	3.852352477	-0.74022576	asia
## 360	-0.738534143	-12.552345118	3.837734266	-21.32089749	asia
## 361	-2.009529013	10.392045978	0.331270999	5.86406615	asia
## 362	1.074070390	7.578971106	10.103454961	-21.37395657	asia
## 363	4.611405127	-4.114624633	6.975167845	-5.26501858	asia
## 364	2.052459595	4.992112747	3.533788390	-9.07240287	asia
## 365	8.413555988	-4.620068513	0.572985260	-10.13630467	asia
## 366	7.460381399	16.172000942	-4.509865706	-5.03585759	asia
## 367	3.884656189	11.896745455	-4.808262364	-6.20297910	asia
## 368	9.805074959	-2.665956892	-2.692324274	-5.71547215	euorpe
## 369	-5.605417504	4.714065572	-5.542216395	-14.06335718	euorpe
## 370	-3.041334530	10.289907247	1.217072876	5.82243431	euorpe
## 371	-0.537188405	7.459320328	5.614148060	-12.48728180	asia
## 372	8.262563951	-2.200264579	-10.326614163	3.56518982	asia
## 373	-2.098068892	-6.608427289	-3.819766671	-0.97908196	asia
## 374	-1.678472981	-7.307400905	2.404899617	-16.90148824	asia
## 375	-1.779777557	-19.890454660	2.531798704	5.73572052	asia
## 376	-3.131879256	5.635378187	-2.417997928	-2.08643807	euorpe

## 377	-2.761218789	-3.185596548	9.561097861	0.76304944	euorpe
## 378	-10.296286850	4.560887190	-3.720868009	-11.85014952	asia
## 379	-1.530137298	-5.772012151	-6.726395636	-16.82934138	euorpe
## 380	-11.409271890	-4.002018409	-9.210410348	-48.69453886	asia
## 381	11.370277138	-2.265211717	7.172032113	12.36094960	asia
## 382	2.756501348	0.994313839	-0.847074136	-13.15353215	asia
## 383	-2.078349925	-8.838098798	-0.184652133	-27.09370098	asia
## 384	-4.066473766	-16.541844014	-0.101870876	-7.19986661	asia
## 385	-3.980028803	-2.667985794	-6.685361226	-16.01905487	asia
## 386	0.657338940	-11.862599803	-2.510539515	27.71180989	asia
## 387	-6.347463784	-3.645352653	-0.220197585	-1.26331239	america
## 388	-1.355389531	4.704663106	0.559252479	4.74446478	asia
## 389	2.272340814	-12.912166205	8.384573463	15.04239949	america
## 390	-1.222744432	-10.712628412	3.467914403	-14.82415250	asia
## 391	-0.272658748	-0.005644548	2.733266942	2.89939190	asia
## 392	-4.225474582	-2.366485553	15.308922901	31.91657406	asia
## 393	0.913689150	3.630736632	0.502385760	2.71153245	asia
## 394	-4.611512716	-3.961170944	-2.417654150	9.14013956	asia
## 395	6.486887449	13.166860158	-0.348635098	-0.56542925	asia
## 396	-10.926751637	16.341786860	1.197113023	-14.72689348	asia
## 397	5.434360182	-2.528076708	-1.595830821	3.46412334	asia
## 398	7.012194912	-0.706148081	7.126542151	13.41534691	asia
## 399	9.940284927	-14.874689860	-1.727184481	11.30857556	euorpe
## 400	11.523846486	3.277022603	-4.140226390	20.84472235	asia
## 401	3.970104046	-4.042829322	3.675774021	0.79111508	asia
## 402	-1.650928386	-10.207274659	0.449927666	-0.98222636	asia
## 403	5.925453891	7.070556215	0.689083504	4.90490727	euorpe
## 404	-9.768413782	-22.860179138	-3.608958009	-0.65346520	asia
## 405	2.844797740	6.108467546	0.877369980	26.87954730	asia
## 406	-4.340884865	-2.916193852	-3.082011464	2.10559663	asia
## 407	6.174984481	-8.920854606	-1.808399594	-1.86999246	asia
## 408	-0.406254530	0.486131742	0.685667909	30.32003410	asia
## 409	-2.173570103	-8.780913163	4.865902008	11.67535146	asia
## 410	-5.291176424	-4.598799395	13.149928732	-12.29776802	asia
## 411	-15.425405659	10.064011117	6.166087910	-9.96219379	euorpe
## 412	0.599359231	-9.286682686	-3.230363588	9.27001992	america
## 413	-9.976754405	-5.472939248	-1.395532955	-21.23249364	asia
## 414	-5.978015975	-12.474333344	-1.873996906	-1.35879727	asia
## 415	-11.402097847	13.554256987	1.316873695	-33.03311444	asia
## 416	0.094527314	-6.139527234	0.455316996	17.70580935	asia
## 417	13.828663787	-22.590532314	1.543405251	0.17082886	asia
## 418	3.802366215	8.591639979	3.887580032	3.20139292	asia
## 419	-1.388934063	-14.173087913	6.006882202	-8.26058517	asia
## 420	-2.865957528	4.965253497	-5.438530051	-3.04680278	asia
## 421	-5.387831217	10.305612554	4.845892566	18.58689909	asia
## 422	-12.526716156	2.671114218	-1.565210238	-6.66491298	asia
## 423	-7.494877139	-2.504266765	7.552885476	6.46503176	asia
## 424	3.298369787	-12.987992342	-6.815963648	0.13956730	asia
## 425	-5.949928195	-10.697491253	-2.875310274	5.06277588	asia
## 426	1.818185318	1.315206899	-0.540927386	28.88066715	asia
## 427	-8.954340522	-1.262302058	-3.721446513	-9.68017032	asia
## 428	-2.568852861	-4.147853051	-10.397247179	-15.47680123	asia
## 429	7.542411352	-11.178869769	-9.728395649	10.35508116	america
## 430	-2.751377500	-8.987661648	1.469087408	35.92175747	asia

## 431	-10.066225000	-11.639103133	-4.373008312	3.79881631	asia
## 432	-4.005721208	-4.134035235	2.502999048	-19.37687936	asia
## 433	3.503464878	6.924556243	-8.090284057	-15.04363680	asia
## 434	7.596827414	-0.648846127	7.528520543	6.39767060	asia
## 435	2.023647524	-15.084295829	8.072564951	17.24609648	asia
## 436	-0.463105037	-0.137717725	5.381694831	-3.14349070	asia
## 437	-4.707149200	-13.602939308	-0.155521699	-13.45156172	asia
## 438	-7.601960560	10.626485400	-1.279371325	-9.21171262	asia
## 439	-15.083049426	-4.865506521	5.706059494	-38.00186276	asia
## 440	8.142862685	-0.605070926	6.363329726	-17.50118687	asia
## 441	-8.923684623	16.381076965	1.632817900	-16.82098814	asia
## 442	-2.391166820	1.959152234	1.864094193	12.79572373	asia
## 443	-9.171425325	2.066584214	-1.323125337	-10.70132764	asia
## 444	1.107513719	4.084457950	-6.479464562	3.66269943	asia
## 445	1.506246922	3.349298805	-8.510935192	1.32848444	asia
## 446	0.162697632	-1.186393159	-1.245721327	-0.77602913	asia
## 447	3.178916254	-10.054028761	6.549456579	-10.30224587	asia
## 448	-14.926543083	-1.276725718	-11.434434494	-8.35782807	asia
## 449	3.372233561	-6.870693258	5.431912502	-2.29797561	america
## 450	1.867013157	-5.593406640	11.462927916	12.51687828	asia
## 451	0.497238881	4.461463917	5.291487179	34.36310747	asia
## 452	-14.161958162	-7.920406947	4.170460095	-15.95057712	asia
## 453	3.864013626	2.477573262	-3.177461025	11.58661548	euorpe
## 454	-1.893529758	-9.668114368	2.504982065	-7.33734294	asia
## 455	-5.204869503	8.033390133	16.748499219	-12.00951426	asia
## 456	-0.817063179	2.131264881	-7.603033583	30.73331616	asia
## 457	6.245288893	-21.883786919	-1.970003774	19.75562051	asia
## 458	6.541167218	4.112023193	-3.454537827	3.34031314	asia
## 459	1.679385157	-1.761030790	-11.178190103	4.38901869	asia
## 460	-5.025777411	-1.362349499	-2.375984851	-9.76989402	asia
## 461	1.340745142	2.931808276	-3.356122915	-50.23195967	asia
## 462	0.595739489	-7.442850889	2.725614302	-1.25939142	asia
## 463	-1.307784884	-4.523447722	3.004117348	-1.98960071	asia
## 464	-8.623039500	-11.059653601	3.429387919	12.13633100	asia
## 465	0.428067458	4.541213844	1.414990936	10.58812805	asia
## 466	4.087976077	4.941378115	-4.351074344	20.33935558	asia
## 467	-1.554105092	17.213676044	-1.610177892	-10.47447857	asia
## 468	0.079472853	-9.535762408	2.583403613	10.69842000	euorpe
## 469	-5.571690990	13.078587544	6.744332297	-11.13732960	asia
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## 471	3.689330405	14.104296272	-3.992202518	-1.08070061	asia
## 472	8.883441627	-6.766559554	0.371205116	7.20451683	asia
## 473	-7.808131094	6.996759906	-4.739128060	-11.07560809	asia
## 474	18.495388756	-6.535569895	-2.329654325	20.49936751	america
## 475	-0.021937380	-10.699790844	-3.673175342	7.05305070	asia
## 476	3.614122863	-0.015693647	7.109787431	-7.10516413	euorpe
## 477	0.406717630	6.253000943	7.559361628	-16.19668618	asia
## 478	0.251939368	6.578211052	1.187048846	19.80686454	asia
## 479	-2.471243769	20.154239303	-1.327771760	-10.14823308	asia
## 480	-7.583285040	-13.468446647	-2.166980190	10.69226451	asia
## 481	4.537904434	8.473786479	-3.853873113	4.24718817	asia
## 482	1.434037356	11.010312528	0.847945978	22.42924871	asia
## 483	8.334318230	-6.582984786	1.440076088	-25.61057308	america
## 484	-5.219399074	13.166395557	-6.984591427	-20.07492911	asia

## 485	1.857286782	-12.479553834	-0.681294110	-3.97558201	asia
## 486	5.344011145	-5.544440167	1.240268254	7.17746038	asia
## 487	4.367846567	0.423673235	-13.738234132	-0.43171638	asia
## 488	3.154886542	-15.668341727	-7.176056220	19.87100395	euorpe
## 489	5.959721988	2.116334331	-3.399838112	8.66900061	asia
## 490	5.057675461	6.231634479	4.269746377	-10.60750798	euorpe
## 491	-0.663698226	-0.528310833	-2.181937405	-16.81867421	asia
## 492	-9.025314494	12.089943081	3.122403500	-6.44657934	asia
## 493	-3.667182396	-8.440066666	2.187550040	-1.22000437	euorpe
## 494	1.749701307	-20.528005862	-0.789440778	-0.61076426	asia
## 495	-3.783119306	-9.647805758	0.813344350	-2.89935148	asia
## 496	0.858611581	16.100494485	-7.108153300	-21.75110864	euorpe
## 497	-15.154620726	-8.345180488	7.178409111	0.42356721	asia
## 498	9.656878907	-2.775199548	3.495424528	2.00766619	asia
## 499	2.973468921	-11.353744887	2.719767283	-12.61379294	asia
## 500	0.012613948	-3.761140232	-1.678490904	20.47271512	euorpe
## 501	-0.504118672	10.191944971	5.056797482	-12.79900055	euorpe
## 502	-1.421827357	-5.485807779	-0.489192030	18.50638212	asia
## 503	4.633692763	2.207258143	1.300998145	6.61320327	asia
## 504	0.370988836	-14.837307484	2.321251006	0.81851938	asia
## 505	6.712092045	-0.330953552	3.287195129	-1.17693709	asia
## 506	-6.846192590	1.552422170	2.023377469	-23.38421351	asia
## 507	-0.970780162	-13.372137604	-5.660387358	0.07085292	asia
## 508	0.352718847	-2.783710272	-3.964370159	-3.11469640	asia
## 509	4.760892156	4.232423451	0.474680036	-0.57807305	asia
## 510	8.887315034	1.520519139	-2.464130544	12.33196280	asia
## 511	-12.207655527	-8.775956680	-3.393489972	8.43741020	asia
## 512	3.260123423	-3.315700865	2.837663949	-25.65012803	euorpe
## 513	-4.103030530	-1.479373288	3.718643243	-3.80420642	asia
## 514	1.258949580	-4.730430135	-5.750840502	6.20243780	asia
## 515	9.754284428	1.801416073	4.803995586	6.46356382	asia
## 516	4.128682855	-10.538468779	1.530001170	-14.37065228	asia
## 517	-5.970302675	-9.908847946	5.816384048	6.94028064	asia
## 518	-7.019207359	-12.515486533	-13.387748908	-13.09792652	asia
## 519	-1.707865051	7.273013126	-8.066520782	-12.89261933	asia
## 520	1.845438183	2.146833232	10.228098706	6.96698351	euorpe
## 521	2.498466298	7.050243813	-3.777280805	29.63448171	asia
## 522	-6.884506052	-14.789859314	-2.964294649	16.48499863	asia
## 523	2.266144008	5.995184185	-2.380630479	7.83981215	asia
## 524	7.399155459	-7.770579095	-9.081863906	-9.86463177	euorpe
## 525	11.028228780	-7.361355518	-7.040650702	6.46001648	asia
## 526	-3.622350161	-14.457811347	-3.990340967	20.90668416	asia
## 527	1.811083242	-8.907728596	5.712871887	11.64766863	asia
## 528	6.190142185	-22.601103781	7.758833723	18.61527919	asia
## 529	7.973510448	-14.757956687	2.371184115	-8.14719689	asia
## 530	-0.399329476	-23.145347114	9.634698372	12.30339099	asia
## 531	4.579416427	-16.683147548	-10.737267792	3.46377036	asia
## 532	13.046378377	4.873673343	-1.232696277	-2.24791960	asia
## 533	-4.268039800	6.987164337	1.883026093	-5.37776603	asia
## 534	-8.309452312	-10.996587114	-0.783660244	11.35430527	asia
## 535	-2.101745371	9.474968496	0.013744223	32.88447005	asia
## 536	0.122780841	1.687154755	-2.818907301	-4.23818392	asia
## 537	1.936728605	3.836015205	7.518136380	-18.23129301	asia
## 538	0.747297235	-5.123984742	5.858799202	2.05983530	asia

## 539	-0.158271665	1.942783987	-3.666796737	-35.34209313	asia
## 540	-9.407222818	-5.137789330	2.391330302	19.23589436	asia
## 541	2.239594631	-0.047925436	-2.650010137	-13.58038630	euorpe
## 542	1.771847627	2.779815376	10.078893612	19.38412771	asia
## 543	-8.060009496	-5.321305715	-4.863799607	-7.85958082	asia
## 544	-0.001503347	8.645515718	-0.050858049	0.69296491	asia
## 545	-11.887054445	-3.646930672	2.821878412	-5.69587000	asia
## 546	1.595561870	-4.959512019	-0.351219842	-2.45695375	america
## 547	-10.463150463	3.235644010	1.449688167	-0.81865064	asia
## 548	2.929180958	6.062319596	-3.181101109	-2.46829964	asia
## 549	8.696852250	4.552660747	-4.620385319	14.21644995	asia
## 550	-2.454565261	-7.953958139	-12.209214118	-7.28932880	asia
## 551	9.842212895	-14.824675778	-3.703721324	13.67430733	asia
## 552	0.449879787	0.557894409	2.091694515	-9.16762619	asia
## 553	-0.426229681	1.789610445	3.101578024	-15.15906725	asia
## 554	2.661123649	8.231503170	4.874084494	-16.34992182	asia
## 555	3.555383713	2.210910076	-2.643301655	-3.56366986	asia
## 556	5.959443220	-13.266658357	0.089081376	-11.28270510	asia
## 557	1.709128787	-14.947867059	-0.363550201	13.60884704	asia
## 558	3.172164533	-2.872843346	-2.143722378	-7.96843338	euorpe
## 559	-7.337177637	15.471468188	-0.260629361	14.70223494	asia
## 560	7.560546192	0.014294799	-4.068394032	7.82865101	asia
## 561	-2.551584394	10.771741429	-6.268728368	-2.35725204	asia
## 562	-1.694319644	0.020121173	1.762888106	6.43064542	asia
## 563	-2.470369194	-12.270116250	4.667588684	7.65548061	asia
## 564	9.686649472	-11.120957844	-2.161075998	-7.82195266	asia
## 565	4.073024063	-11.032481279	-1.867704138	15.70621044	asia
## 566	5.087786432	-6.851164027	-3.300453654	2.35127505	asia
## 567	1.457643933	4.222374577	-7.325392024	25.26899717	asia
## 568	5.732859169	21.663172332	0.641975236	-2.63117092	asia
## 569	0.581664124	3.942812056	-2.350205750	9.45760634	asia
## 570	-7.216910160	16.188381808	-7.584013172	1.23075655	asia
## 571	-6.100969715	25.277735496	-9.281518931	1.80493688	asia
## 572	-9.708798521	19.344455180	-9.443979252	-0.78004751	asia
## 573	-5.044435741	0.551857243	2.352636035	3.33839242	asia
## 574	4.888505355	-11.242799147	-1.504860162	17.43068926	asia
## 575	-4.155554627	2.784818691	10.256113680	-25.77524414	asia
## 576	-4.706681028	-0.323345674	-8.233252222	-11.48319016	euorpe
## 577	-7.465655668	-10.571209315	-3.227507273	-1.16850317	asia
## 578	3.292552887	3.358611769	2.245670055	-2.63864685	asia
## 579	-6.541597594	-13.709111937	0.126311324	1.71106187	asia
## 580	-6.889533215	7.115562406	-3.063850807	8.21749935	asia
## 581	3.140607335	-13.071436032	-2.922559090	11.53606880	asia
## 582	-1.203884736	10.680774111	11.447123640	7.54753574	asia
## 583	-4.696129893	-3.285811270	-3.038670080	-23.28886413	asia
## 584	-2.276326276	0.969013606	3.987727845	2.35606185	asia
## 585	3.368352950	-9.392191898	13.079068811	0.35717913	asia
## 586	6.227065514	9.636268799	3.111277186	-1.20061057	asia
## 587	3.144037020	4.070352822	3.173258840	-24.57293339	asia
## 588	1.395032708	1.220395619	-1.715790573	18.53278566	asia
## 589	3.092644254	0.349144016	-0.409802388	13.45722499	asia
## 590	8.485617404	5.134834097	-7.057475963	-9.44518604	asia
## 591	9.764570895	-0.424089249	4.433804199	11.07368368	asia
## 592	-0.181261380	-3.368409147	3.005736616	23.16801297	asia

## 593	3.769309739	-0.004772030	1.788517832	7.13690563	asia
## 594	7.996434115	-3.003986516	1.628050023	14.20158649	asia
## 595	-2.907999342	6.777277601	-3.779042681	-19.26322049	asia
## 596	-11.135529487	9.298444420	-4.361991502	-18.23570807	asia
## 597	-3.084791337	3.894622384	-2.389974605	-8.29713938	asia
## 598	3.307826747	-3.495826738	-6.405692696	16.86441534	asia
## 599	5.970990820	15.172147757	7.827347486	-15.98499711	asia
## 600	-2.064564641	6.441402494	-2.817933931	-14.81014118	asia
## 601	2.302795791	8.344019482	-2.532879789	-20.73973000	asia
## 602	-3.133614361	6.245521003	-1.353929871	-3.37220356	asia
## 603	-4.765825971	0.293989743	1.939536713	-16.16087331	asia
## 604	6.841211653	-4.567330475	-0.141296885	7.45719117	asia
## 605	1.843369280	-10.517984171	0.166529525	-17.64707179	asia
## 606	-4.692386155	21.630999921	3.069292012	0.58460529	euorpe
## 607	1.016721279	-4.162397697	-1.371817341	9.78828160	america
## 608	-6.142965951	3.682904746	1.699388414	3.20667965	asia
## 609	-5.326596352	7.392500091	-9.417299627	21.98738745	asia
## 610	3.679040988	-8.234849858	5.504217794	0.64172157	asia
## 611	3.607517251	7.197777306	-0.757434814	27.60498971	asia
## 612	-0.389895677	-5.499702648	-8.503832767	15.94907479	asia
## 613	1.161068834	7.803536714	-10.468880978	15.92931548	asia
## 614	-4.743116183	-11.757219443	-9.941964968	-21.36173798	asia
## 615	-4.875474008	-5.108412827	3.702072392	12.04709275	euorpe
## 616	-5.095078523	14.062116783	3.807798146	-35.40255835	asia
## 617	4.520018356	-9.217222768	2.259343039	-2.20748416	asia
## 618	-2.981457830	1.328463203	9.956638488	0.01645213	asia
## 619	4.245636804	-14.922701989	-2.508090746	14.64985921	asia
## 620	-6.955989802	-9.413841029	-6.905814134	-13.01790354	asia
## 621	-15.735920237	4.371923222	-7.467834523	-25.20310590	asia
## 622	-1.335573426	1.673199289	1.501754839	-1.97474838	asia
## 623	-3.453120987	2.255048771	-4.368411417	19.31038113	asia
## 624	2.619258777	9.119204361	14.931593207	-11.72860746	asia
## 625	-7.012093823	-5.207731662	-0.865237501	-4.25133286	asia
## 626	-6.081827291	8.864146261	-1.163157908	-18.28953108	asia
## 627	9.787535805	-4.417995889	-6.788679303	16.69355403	asia
## 628	-11.080898774	0.342566574	0.723371403	1.12009314	euorpe
## 629	-0.182964867	-10.168814251	-7.129404685	-5.63522948	asia
## 630	7.200462762	-9.354121062	4.845662083	-4.51316367	asia
## 631	-8.240036855	-1.928252117	0.848859335	-11.75497569	euorpe
## 632	-1.874125164	12.079002707	-2.755899158	12.63253418	asia
## 633	3.240402574	-8.331501242	5.142073430	-0.06563148	america
## 634	-3.113679871	3.631858103	-0.880734038	-2.28606252	asia
## 635	3.405167073	-16.590400835	-2.594693046	5.95656616	euorpe
## 636	-7.507583596	-9.811499280	-1.431819109	11.99314855	euorpe
## 637	0.228886841	2.966813106	1.584479523	-34.14896239	asia
## 638	4.859387838	-4.602591237	-1.669209323	4.45168511	asia
## 639	-1.677751688	3.336632965	-3.493144521	-6.60885707	asia
## 640	-10.916752379	5.664402715	12.770488259	-18.41017200	asia
## 641	-0.509676492	2.140624864	1.853399282	4.66777441	euorpe
## 642	3.574449522	-11.202374669	-9.072877630	-5.83743433	asia
## 643	-1.294020345	4.448098747	2.394519776	36.54977175	asia
## 644	10.295164713	2.472069376	1.705425757	6.95884906	asia
## 645	-1.468233462	11.940631755	5.260871681	29.58894557	asia
## 646	2.629282821	11.247334828	-2.318800341	-27.28704606	asia

## 647	4.669258891	-8.343800187	-6.071116053	4.89259048	asia
## 648	-2.767190688	-14.543267738	-9.356084576	8.71072716	asia
## 649	8.014556804	3.482137203	5.842908828	11.73214822	asia
## 650	1.461715364	-6.466854081	-5.102589133	17.32160564	asia
## 651	3.565645641	11.667185457	-4.572592644	15.59376803	asia
## 652	-0.726918402	-5.018716321	12.099753399	25.15882671	asia
## 653	-1.661447119	-5.009988755	7.637115954	-0.41129163	asia
## 654	13.015917069	18.973356591	-9.999688893	5.02867673	asia
## 655	-2.937096927	10.139819101	-5.014767053	-10.26449502	asia
## 656	7.027848931	-3.017981653	-0.244866515	-7.42744332	asia
## 657	-2.380639840	16.916427068	-2.486262380	4.83208162	asia
## 658	-5.881632669	13.972543857	-6.749445189	19.37965710	asia
## 659	-1.198137527	-5.519097654	0.771365134	16.66939089	asia
## 660	-0.222716468	6.472706627	3.197206404	0.70628926	asia
## 661	-9.744306592	1.109666677	0.122099845	5.69117643	asia
## 662	-0.056223761	-16.467799308	5.285790490	-8.07675263	asia
## 663	2.168122372	-9.084594743	-4.578128944	-8.90639152	asia
## 664	-2.033385317	-6.424864115	5.503864833	7.85300891	asia
## 665	-5.469642232	12.318239974	0.146753729	14.73910220	asia
## 666	0.473839913	-5.236863340	-4.313724646	0.99315880	asia
## 667	1.841273495	8.364076685	-3.868786093	-0.29276092	asia
## 668	1.606910560	4.827297804	-3.144967100	26.12263844	asia
## 669	-2.153704925	-3.526001140	-2.355539209	-17.34937908	asia
## 670	-2.444687736	-6.884111302	3.617051366	3.86899369	asia
## 671	0.518451653	-10.289952550	9.115812995	8.49810300	asia
## 672	-1.422020967	-10.438743984	-13.027454073	4.14671710	asia
## 673	-1.571419084	-2.267913756	-0.356298560	-1.92143385	asia
## 674	1.372878006	-13.884806835	-7.258999239	-13.27448382	euorpe
## 675	5.170699711	-8.014126346	-6.289417736	-8.33559318	asia
## 676	3.168044417	0.002857796	3.183209659	-18.93358682	asia
## 677	5.778048888	-3.940058424	1.481631808	-10.18453712	asia
## 678	-4.121000784	0.220641911	0.750686687	27.36915413	euorpe
## 679	-1.239587835	-5.355647864	2.844701136	-0.90972697	asia
## 680	-6.625939776	-0.838199468	-1.465859075	30.63523411	asia
## 681	-6.408907109	-14.626307936	-1.905354627	0.37478376	asia
## 682	-3.211771716	-7.278534664	1.159250839	-21.85294976	america
## 683	-1.569534925	-12.882010686	-1.675962609	-21.45555773	asia
## 684	-7.852577695	10.787106932	7.692384648	17.04919338	asia
## 685	8.212442291	-7.060597580	-4.591582345	-14.96954536	asia
## 686	4.586337020	-4.381655258	7.013401062	9.86689030	asia
## 687	4.116755502	-8.060923198	-6.501534471	-21.28267127	asia
## 688	-1.407874956	0.922280254	9.691247718	5.46621267	asia
## 689	8.468310443	18.155971789	-0.704282148	15.86247386	america
## 690	4.423982382	4.399388736	-5.166114572	11.48540760	asia
## 691	1.237928690	-7.804388462	-0.478389383	15.73739354	asia
## 692	-0.656058238	1.273051671	7.218716051	8.80408586	asia
## 693	-0.338891680	16.165798510	3.138016112	-14.02206491	asia
## 694	-7.558465860	1.542697739	-4.658973153	2.04755857	asia
## 695	6.614343491	-6.113329691	0.539185855	23.69514423	asia
## 696	1.435636269	-9.561880255	-3.155262184	29.86199349	asia
## 697	0.343419423	-2.019318247	-6.600671664	30.60532879	asia
## 698	4.258333776	-25.864367487	2.606299427	16.03658859	asia
## 699	-3.512602729	-13.547344832	0.100393386	-15.65892594	america
## 700	1.493004187	-16.225005990	7.388122205	-9.84196837	asia

## 701	-1.385328691	20.017493263	2.497358794	-19.76304334	asia
## 702	-3.087008625	13.947261844	-2.247683874	-3.96266250	asia
## 703	-1.221174167	3.545352647	0.501012158	5.16463940	asia
## 704	-13.809859433	-1.989795939	-3.365926705	-27.52456379	asia
## 705	-1.268724991	-9.743973203	3.312021665	12.93237904	asia
## 706	5.393756246	-18.752443934	10.043845304	0.58958141	asia
## 707	4.302603340	-13.907022373	4.829535524	20.75995582	asia
## 708	-5.355721078	6.563339367	-0.296867260	-9.91064407	asia
## 709	2.388485392	-19.095916462	-2.886577718	18.25943753	asia
## 710	7.486889347	-1.924048579	-0.914475778	13.89810038	asia
## 711	5.530339814	-4.392669837	4.005585052	17.02787807	asia
## 712	4.026507330	-16.596053096	4.361280386	27.28015306	asia
## 713	7.727263450	-20.185357574	-2.539520769	-6.04070828	asia
## 714	-2.350285880	16.362172475	-2.050039913	-7.15931642	asia
## 715	6.799475960	9.482918393	-0.295652976	-7.64752704	asia
## 716	-6.938936495	9.510598884	-10.868628070	0.09511696	america
## 717	10.747288291	-10.756741841	1.567287408	0.99655687	asia
## 718	1.099740158	1.403607521	11.017359931	2.18685086	asia
## 719	5.941212167	-5.615437484	1.428916332	-15.94918799	asia
## 720	-1.526392537	6.453997559	1.400274106	3.12314046	asia
## 721	-3.846273027	-10.745259510	9.184554060	-4.64491575	asia
## 722	-10.286479321	2.924592955	0.219709730	-2.65940777	asia
## 723	4.463038062	-0.688846667	-7.151154059	-8.01751572	asia
## 724	7.657236013	-2.717076979	-13.765306924	-18.52579053	america
## 725	-0.372438854	26.836781998	-1.102174600	-0.60539912	asia
## 726	3.000176920	7.331060754	8.242401566	3.39759306	asia
## 727	-1.314298951	-3.685652613	-11.084005115	-18.82678344	asia
## 728	4.900526892	20.237729452	-0.193397958	-13.57288989	euorpe
## 729	2.063856636	3.566214039	8.882853922	24.84585701	asia
## 730	8.198078417	-11.553348609	-2.209755763	-21.51498702	asia
## 731	-8.300069605	-6.746804978	1.185284364	-18.57381089	asia
## 732	1.374835353	-6.852977676	9.455744835	8.69926610	asia
## 733	-1.354859537	-4.788103663	6.016819351	-1.98374145	asia
## 734	5.491062924	8.037366588	-4.582624394	-13.53205312	asia
## 735	1.004781569	-1.718747878	-1.411769758	18.93688716	asia
## 736	-3.187373065	-5.047715114	0.828185635	-11.21825429	asia
## 737	6.668367927	-4.497179582	-13.047000567	31.93765031	asia
## 738	1.885371029	13.719976772	0.662594276	-10.43572075	asia
## 739	10.899696443	20.426881621	-4.221367935	3.05017376	asia
## 740	-2.790701329	-22.393132049	6.378317072	6.86353641	asia
## 741	10.997941946	-8.759186220	-10.575221317	-2.31637317	asia
## 742	-0.280853669	0.464576440	9.965986465	-7.15660376	asia
## 743	4.715834543	-10.743392261	-3.908910285	-1.01319869	asia
## 744	-3.908957055	-1.191510010	-1.464702629	9.09658890	asia
## 745	12.361117252	5.936059518	-3.007163023	13.48451477	asia
## 746	1.409008615	-15.241217802	1.687972878	-20.96380720	euorpe
## 747	-7.752571385	18.116247340	1.769589903	-34.70969916	asia
## 748	-0.503174244	2.640775702	9.162997406	-13.44104757	asia
## 749	-0.804049146	2.423952578	0.995841202	-10.43926964	america
## 750	-8.840892777	-3.111619034	-4.658589327	14.46760502	asia
## 751	8.861644590	-13.519678170	-3.258157576	17.40143209	asia
## 752	7.061669418	-9.590839473	-20.077023091	9.50910084	asia
## 753	1.633114830	-8.987433406	-5.772176256	19.94250532	asia
## 754	10.959355824	3.833423687	0.196224307	-4.25128294	asia

## 755	3.641785187	-5.149523050	-3.302985820	-3.00030814	asia
## 756	-4.553250115	12.299648003	1.806736800	0.42342500	asia
## 757	1.096653166	6.283510761	-3.297041557	-15.24252492	asia
## 758	6.803330859	3.941814246	1.975950748	-13.03935981	asia
## 759	-1.117979156	9.941990441	-2.853891644	-3.25558244	euorpe
## 760	12.441969656	0.883945821	18.374263313	-0.23286411	america
## 761	1.429340285	8.769803739	7.696989463	4.40248911	asia
## 762	3.001595185	2.905026489	3.117764115	16.11064697	asia
## 763	6.809055463	-5.018021222	5.469669205	3.06024369	asia
## 764	-0.480531255	4.654362678	0.656385793	4.17645131	asia
## 765	3.671845874	13.434873795	-3.881318856	10.66667418	euorpe
## 766	4.665278054	15.919502339	18.656425762	9.02884241	asia
## 767	-2.063715016	9.655003564	1.423166146	5.73420948	asia
## 768	9.437342327	-22.291992169	-9.060941800	-7.27009148	asia
## 769	-0.969710513	-2.930305413	-4.344070047	-13.73122714	asia
## 770	-5.097494148	4.151623466	-1.405496337	1.58925929	asia
## 771	1.518514323	-7.016611460	-0.912964737	5.52254684	asia
## 772	-2.594306534	-7.095715063	11.518780307	32.28077822	euorpe
## 773	-2.189731484	12.688566182	5.793759231	11.14746841	asia
## 774	-1.778660674	-18.816625780	-4.781350156	-3.59066858	asia
## 775	14.432562162	-0.205711361	1.512869871	14.12951244	asia
## 776	-0.823239534	-2.765728182	1.125710442	-2.47165504	euorpe
## 777	-1.508660781	-6.645761768	-3.050757998	8.29568919	asia
## 778	7.708988610	6.213861166	0.355263668	9.83590481	asia
## 779	-4.850493271	20.068945260	10.675967023	1.03578397	euorpe
## 780	-0.208009756	-14.442210665	5.636025412	19.00362829	asia
## 781	-2.338432504	-2.037038315	-0.380627998	26.03097571	asia
## 782	0.945178980	-7.914647229	0.331762019	27.06009309	euorpe
## 783	-6.564746151	-1.609931025	3.320202479	-8.03485415	america
## 784	2.939848897	-2.331720759	1.561699223	-7.42067158	asia
## 785	4.816965159	6.606512480	5.614745360	6.00613445	euorpe
## 786	9.088866001	-2.188201388	-5.575390152	-10.91652603	asia
## 787	-7.696110914	-12.363653819	-2.628778932	6.18278479	asia
## 788	4.366479843	15.808048571	0.583006909	-18.81064582	asia
## 789	-1.040904161	-8.736576557	8.859843236	9.84404756	asia
## 790	1.160921568	9.899228206	2.472159947	3.51615296	asia
## 791	1.128607569	1.218007568	4.012941673	10.40495165	asia
## 792	-0.172820862	-15.914951815	-0.211193807	7.28100704	asia
## 793	-0.455753398	-7.677270815	5.776816339	16.76336383	asia
## 794	-0.559246727	-4.073733154	3.140883254	4.45717695	asia
## 795	6.344963133	-8.732150456	-4.930637463	18.90953385	asia
## 796	5.124274718	-5.513985295	6.274957644	-2.46165557	asia
## 797	1.082157333	-6.092129524	9.533627405	-7.68896375	asia
## 798	5.202754358	-11.307332421	-5.706061139	-10.63119113	asia
## 799	5.962263396	-5.803554075	9.576348835	-1.67426052	asia
## 800	3.356307672	-1.855837592	-3.470912488	-7.25106180	asia
## 801	-0.599372641	1.720824885	-2.542649015	22.18332078	asia
## 802	1.669580892	14.664830082	-3.683541256	-14.14872456	america
## 803	-2.976866977	2.877679477	-3.291468963	-5.26225896	asia
## 804	-4.318963585	-0.355667494	-12.256159445	2.62277785	asia
## 805	3.014467246	-6.206509162	-8.059181421	8.79340532	asia
## 806	-5.446778347	1.839321500	7.168641574	7.52471054	asia
## 807	-5.424606667	7.399200680	5.548446349	-9.81288358	asia
## 808	0.333353790	10.536611190	-1.731923509	0.72760735	asia

## 809	-10.369930235	14.765968827	-0.470962982	14.10946113	euorpe
## 810	2.586883378	0.352918378	-0.570772363	-15.12984792	euorpe
## 811	-2.388534386	13.775426107	9.448490799	-0.66493199	asia
## 812	-5.620005449	-2.721409691	1.962788546	-14.30679717	asia
## 813	3.349932058	-6.369526715	6.759204117	0.94406323	asia
## 814	6.976879250	-1.110242496	-5.956904628	20.98510818	asia
## 815	7.558235400	15.311002697	9.019281335	11.81147808	asia
## 816	2.735726476	22.156643189	6.829998094	0.22836951	asia
## 817	-1.787649167	-6.140902925	-2.262641042	-2.06085929	asia
## 818	-9.724405242	-13.611715590	-12.711979830	0.09085481	asia
## 819	1.040947379	-12.340955218	0.767255192	-11.91815484	asia
## 820	-5.655760236	-0.010927932	-11.031112530	-3.73573502	asia
## 821	5.391802944	4.832034376	6.357476552	-4.33607129	asia
## 822	-10.304696717	19.136916071	1.377189103	-5.73778944	asia
## 823	5.642746097	2.289051347	-3.623965275	-25.00647671	asia
## 824	4.176931610	16.969426201	-3.360339376	12.17727649	asia
## 825	-3.920872035	1.427356554	8.317692706	19.51111907	euorpe
## 826	1.488141094	3.163644708	-5.627091033	3.37466144	euorpe
## 827	0.202798903	-16.220152703	1.891764831	-3.18731692	asia
## 828	8.482411939	11.765608042	6.839104557	-11.85992189	asia
## 829	1.563725762	-12.613066425	-3.646330398	3.85127699	asia
## 830	13.729679962	-5.651923249	-9.524317808	0.37631618	america
## 831	-0.484869675	14.355190200	-3.701354138	17.84724392	asia
## 832	1.232550045	-8.829058916	0.182572603	-4.97853264	asia
## 833	-8.435318180	10.847180011	9.034586668	-3.10360431	asia
## 834	2.528622061	-9.615475010	-5.290583944	-4.06865996	asia
## 835	-1.403143597	-0.338967493	0.113001144	13.36389437	euorpe
## 836	-6.780367450	18.703614137	-6.742805139	-10.36103443	asia
## 837	2.028107126	1.741543503	-2.920399780	10.56354725	asia
## 838	4.834951189	-2.934815605	6.559697263	11.14861144	asia
## 839	3.460645470	-1.619803641	7.938800271	-5.86031601	asia
## 840	10.678888381	-2.692125848	-4.381396486	5.90131321	asia
## 841	3.136237292	16.509476629	1.739364799	-0.26132727	asia
## 842	-2.111757816	8.190901319	1.711594894	-9.40732732	asia
## 843	2.672533370	-11.958596014	3.786421873	-14.15996935	asia
## 844	1.706054881	-5.737032560	-4.561424585	-1.64355121	asia
## 845	4.462871756	0.461296649	5.594620095	-8.51658423	asia
## 846	8.347271233	-2.786689333	-0.118359595	-3.84827774	asia
## 847	-3.590049959	1.958365535	3.294854239	-14.31245602	asia
## 848	9.250387682	3.212279433	-13.817718724	11.02793482	euorpe
## 849	-7.993981344	11.000539512	4.397922903	13.03189150	asia
## 850	-3.821701112	-8.067257590	5.247004588	13.38116731	asia
## 851	-0.966679400	0.318488889	-3.501464304	25.35232629	asia
## 852	-7.949974864	8.928871112	4.271474251	-6.47121429	asia
## 853	-7.414338138	-15.862962216	4.558783945	18.37455627	asia
## 854	-6.198125142	2.489892214	11.060976728	-19.82762822	asia
## 855	-10.190239262	-5.260762313	9.533258323	-27.38470547	asia
## 856	4.209952907	-27.749422465	4.131093736	-6.59142330	asia
## 857	0.329812798	0.970082915	-8.460820436	-4.22175413	asia
## 858	7.062799870	-4.853260574	0.164723142	3.97996526	asia
## 859	-1.263149635	-5.278891032	-0.627360086	1.86845583	asia
## 860	3.318005019	-8.924244262	-3.567024322	4.47643666	asia
## 861	NA	6.312372718	-4.120281426	-7.38000227	asia
## 862	2.156314046	1.904962116	1.977837925	10.70016685	asia

## 863	0.272870645	-0.769108544	-0.078129192	-9.81890683	asia
## 864	2.909830801	14.989677976	-1.114731965	-11.27151237	asia
## 865	-8.343953607	4.008121462	-5.088006846	5.85811451	asia
## 866	-1.528599520	-11.432846485	-10.121975744	-3.25067504	asia
## 867	-1.048987656	12.792234882	8.713997982	-7.73764412	euorpe
## 868	-5.675771414	-7.858236081	-7.174601542	-6.45414045	asia
## 869	-8.711035717	-1.081708948	5.752505251	-4.81418137	asia
## 870	1.086307993	-5.349946687	-2.184308141	15.54324172	asia
## 871	-1.686271486	8.050673687	-0.948967764	4.93614582	asia
## 872	-0.936029320	-2.433968507	-7.501588045	-9.17403685	asia
## 873	-5.345644220	3.457785647	-9.273959926	-1.96791523	asia
## 874	5.865134054	-10.520792634	-0.054982133	8.95075404	asia
## 875	-5.666730419	2.580438026	-6.153540798	1.58869879	asia
## 876	-0.693395993	8.202082920	3.952027603	-0.88103286	euorpe
## 877	8.687285134	-9.482507519	-0.521201041	5.96625223	asia
## 878	-2.956757899	-3.247387400	1.986382932	-6.02828147	asia
## 879	-1.267330267	5.374486051	-4.825982534	-21.12422048	asia
## 880	-4.888449440	15.777153347	-4.329710485	-11.40367966	asia
## 881	-2.331465264	7.935442293	-0.815494805	-10.44168380	asia
## 882	12.079620908	3.503461964	-5.321771085	-32.17534293	asia
## 883	-3.067281721	-2.035341558	-2.224069954	-6.49513409	asia
## 884	3.000845110	-6.961122396	-7.040754280	8.51629489	asia
## 885	-6.116094576	-10.635677853	2.582583216	8.59259502	asia
## 886	2.273885663	1.494828350	-8.785730912	12.09502397	euorpe
## 887	0.302662633	-0.306834535	-2.514012293	31.80033810	asia
## 888	7.650276524	5.104719966	6.298365806	-5.57052192	asia
## 889	4.296765948	-9.807542873	3.258461802	19.49980838	asia
## 890	4.859620634	-4.396446336	-2.225424680	-3.77683974	asia
## 891	1.206490132	28.334054436	-7.427988990	-10.08879891	america
## 892	5.669135529	-1.816278538	5.906993241	2.72063718	asia
## 893	12.671798496	0.176172923	-6.375679498	13.41497620	asia
## 894	2.277331229	9.958119800	-2.109581454	-12.28145356	asia
## 895	1.209948330	-0.700505745	-5.021555635	12.58850545	asia
## 896	2.423082134	4.583897615	4.632332442	-0.16845050	euorpe
## 897	10.044507531	18.494083030	2.513867434	-11.04513550	asia
## 898	3.363571377	0.495447184	-2.144691919	19.33235621	euorpe
## 899	2.255844050	1.021402574	-0.649003470	-2.60407938	asia
## 900	-0.240755896	-4.475034121	1.301622322	-26.74341057	asia
## 901	-4.212538000	-1.716271805	6.157182085	-24.68782160	euorpe
## 902	-3.348180009	7.176270405	1.965365378	4.91245680	asia
## 903	-2.874160206	0.254723669	3.835550903	-11.82655936	euorpe
## 904	1.114356992	1.277970206	10.940626529	5.43135804	asia
## 905	-7.343333309	-1.801130085	6.504048755	7.10381842	asia
## 906	-3.790136343	7.283860163	-0.015325094	1.82741128	asia
## 907	5.538644710	9.057976616	-5.727378435	-16.48670590	asia
## 908	-3.103345075	-6.532953736	-2.028665460	-11.32622965	asia
## 909	4.160958247	-11.838586323	-8.007633286	6.18397637	america
## 910	-9.683830596	11.767526379	4.194878015	-11.37031047	asia
## 911	-11.382462279	-10.522663910	-1.370910370	-5.77375443	asia
## 912	-10.149214769	9.669036482	-1.112490899	-0.68291029	america
## 913	6.921575355	-1.249393489	-1.416099813	-3.82430965	asia
## 914	-2.450798017	12.876442476	11.065387458	-20.84508662	asia
## 915	-2.626126377	-0.236785153	11.563802832	-6.33184207	asia
## 916	-3.563043814	-7.056451626	4.218666172	-5.82779739	asia

## 917	-2.119269227	-11.937103674	-1.728936809	5.14570602	asia
## 918	-1.179159764	-26.747307188	8.421034840	-5.63123818	asia
## 919	-8.603500521	4.092587197	-5.928813802	-12.28837633	asia
## 920	-4.020291507	-6.677843771	-2.532943588	-0.26067477	euorpe
## 921	-5.318878979	9.226462601	-6.706872920	20.37036768	asia
## 922	0.272525350	-18.860730215	5.792145986	28.43957728	asia
## 923	3.882617878	7.054032158	10.072035398	-4.37022491	asia
## 924	1.990439597	2.822651414	-8.623287663	-21.20199269	asia
## 925	4.771249526	-4.240253106	-1.766587858	5.26849080	euorpe
## 926	-5.848887586	12.445467662	1.786900313	8.19244844	asia
## 927	-0.945311589	-13.944677131	-4.549853045	7.37197843	euorpe
## 928	1.591248334	4.471060961	2.840382272	4.73398240	asia
## 929	1.355188170	1.116625354	0.114168485	4.06495048	asia
## 930	0.006332683	7.785197696	9.343307754	10.97036565	asia
## 931	1.901467519	-4.228957378	3.584071981	6.61852546	asia
## 932	-2.722435566	-2.535990961	1.660744016	3.95981694	asia
## 933	-1.099076628	5.151335869	7.465539210	3.00532927	asia
## 934	3.523911850	-12.172334353	-4.238982836	-26.41420831	euorpe
## 935	-0.878712950	-1.473782946	8.110935791	-4.99539527	asia
## 936	6.574051615	15.446371493	4.714354320	12.03443429	asia
## 937	1.423304534	-20.422721089	-0.755711527	7.13321737	asia
## 938	-0.201077024	-12.406567558	0.918150247	23.81352010	euorpe
## 939	-6.056559719	-0.156063268	-17.255341810	-0.88253196	euorpe
## 940	-8.083738007	-4.780360027	1.294643293	-3.03025942	asia
## 941	1.505746945	-1.257898887	-4.049465067	-11.08685468	asia
## 942	-4.303198761	8.577631408	3.601467443	-18.46588068	asia
## 943	4.307732690	1.193396788	-1.875216058	-6.28445692	asia
## 944	-5.797045797	8.715275095	-12.297742576	22.01140725	asia
## 945	8.163834946	9.643854406	3.568578932	-5.70293785	asia
## 946	1.782116302	-4.062786487	-6.167017292	-3.98882547	euorpe
## 947	-2.900803696	5.959607545	9.847637115	30.24138189	asia
## 948	-2.523270582	-6.459028067	3.410132207	4.20046612	asia
## 949	3.241380354	-18.559621755	0.831475394	4.64665638	euorpe
## 950	-2.156662861	-6.358794324	-0.721704215	8.95329832	asia
## 951	2.559284768	-6.626810763	-4.482274349	18.96205275	asia
## 952	-1.314369568	-1.577850426	-0.861782707	-0.29791520	asia
## 953	-0.034652822	6.089075416	1.564968162	-18.72617537	asia
## 954	-1.926356768	13.069374526	-0.522335133	-3.70697604	asia
## 955	-4.030557488	1.245138658	-10.419126794	8.69770928	asia
## 956	10.624587429	0.728610641	0.518480750	-4.23210317	asia
## 957	-4.687839599	-10.718772093	-8.507713219	3.65212372	euorpe
## 958	-3.290194178	-2.343962306	4.389066116	26.98149901	asia
## 959	-2.610906904	15.833317377	12.042259950	6.20004632	asia
## 960	-7.392135410	16.354703264	1.057715057	-14.09596068	asia
## 961	-8.248470944	-11.986548858	0.705034415	-6.37732958	asia
## 962	6.988929044	-19.822323658	0.211885069	-44.72942593	asia
## 963	-9.622179417	-5.798124312	-1.497999636	-21.10077667	asia
## 964	6.479848370	-29.700185761	-7.465570529	13.21170833	asia
## 965	-0.973840077	6.060238130	-6.385733464	20.53232802	euorpe
## 966	0.433522071	9.498843138	-3.827101179	44.24845591	asia
## 967	1.188974679	3.244241831	-8.518705366	-27.96589441	asia
## 968	-4.101121741	-16.654462154	2.427871789	-16.75148404	euorpe
## 969	9.360395603	15.436349251	4.958028251	9.92161535	asia
## 970	0.811857661	-17.654714357	7.387882149	11.20013908	asia

## 971	7.416902151	12.731780248	-5.414118992	15.87871292	asia
## 972	1.676210926	17.488845719	8.586836316	0.40630456	asia
## 973	-13.546442875	4.568350272	-1.998552653	-5.51091364	asia
## 974	-4.064535266	-13.398485518	-9.313834710	-10.14937494	asia
## 975	10.926920045	4.216563961	-2.820279706	-6.61382646	asia
## 976	1.653673882	8.250565773	3.777179087	6.02093849	asia
## 977	4.865910084	-14.600840230	-1.921545847	2.66547980	asia
## 978	-1.124798712	13.885047722	0.807871052	10.14767952	asia
## 979	-1.620854461	2.045345797	-5.253937087	15.34276705	asia
## 980	8.092416178	2.327791921	3.156827048	-20.89216325	asia
## 981	3.505661512	-8.779259957	2.206374944	-6.30210862	asia
## 982	-3.995850242	-2.738331994	5.159369729	-11.79837579	asia
## 983	5.947914471	-4.077307417	6.116299972	-11.79498582	asia
## 984	-3.090095806	-20.834883774	-6.222093501	1.74643039	asia
## 985	4.241545258	1.672876687	2.789794407	19.98090873	asia
## 986	-0.001030103	-4.281450750	-12.067450932	-17.10763587	asia
## 987	4.921374453	9.837531060	3.990505239	-37.36346078	euorpe
## 988	16.635058678	-3.701573601	-1.526077029	-0.28896441	asia
## 989	2.550715387	-12.268525819	10.188337124	22.36703135	asia
## 990	0.010539708	0.736912005	-4.609721697	-9.79032806	asia
## 991	-4.936143627	0.055656692	-1.501294113	-10.37800015	asia
## 992	1.831155659	-6.237128141	1.105587883	19.19055958	asia
## 993	17.537277356	-17.953394676	1.862778524	16.68385959	asia
## 994	7.067757124	19.614237027	-2.603822752	1.63283566	america
## 995	-9.722696351	-5.442258751	-2.912926831	0.83426549	asia
## 996	-8.047721171	-9.447076076	-5.153242849	-3.46191088	euorpe
## 997	-3.240903950	-9.668362344	1.860281344	-8.57387077	asia
## 998	2.901600377	-4.702171320	6.110399323	1.42547679	america
## 999	-0.427645920	-4.249883909	-1.544699062	-12.37173471	asia
## 1000	-2.418994628	6.860261241	-0.718143223	0.38788424	asia
## 1001	5.399631697	-5.622069861	-6.993880625	-32.45581627	asia
## 1002	3.192859463	11.226246346	-0.911216572	-6.44860649	euorpe
## 1003	-2.951151860	4.802057794	2.883068849	6.75307006	asia
## 1004	-1.575098719	-9.530465838	3.297166330	12.10307791	asia
## 1005	-4.919630690	1.096574071	10.813569829	4.00500820	asia
## 1006	-14.000014269	-4.200691658	-0.606459089	15.28844750	asia
## 1007	6.490208953	-6.441520982	-8.826982322	3.56764201	asia
## 1008	-0.729561129	2.171493504	-6.399777452	-3.68448925	asia
## 1009	-3.703851704	-9.344106355	-3.400498676	6.98760059	asia
## 1010	-1.477445529	-9.665890064	-5.870815950	-14.27268292	euorpe
## 1011	0.701006279	-9.236064164	4.847854176	8.79524314	asia
## 1012	3.233162921	4.925057480	1.104672705	-1.25599437	america
## 1013	2.300998893	6.764012697	-1.192332187	-19.08354451	asia
## 1014	-11.026731238	-4.968643307	-3.101133131	-15.68882019	asia
## 1015	-1.892951092	5.414800173	4.911366271	-6.88865168	asia
## 1016	4.133930772	8.378070983	-7.673115814	-12.67620031	asia
## 1017	1.315636668	25.922664071	-7.093369115	13.96650713	asia
## 1018	2.596351933	-7.514556310	-2.457527089	10.09585217	asia
## 1019	-11.532624456	-9.172256894	-0.340889963	-44.50989925	asia
## 1020	-3.636804613	0.014747786	-7.104031003	24.34471822	asia
## 1021	14.651867327	-12.903739047	-3.042150250	12.98447070	asia
## 1022	4.085966825	2.100714769	1.028957628	12.40346142	america
## 1023	-2.418041457	0.187070031	8.480333688	-1.78302026	asia
## 1024	-7.807704613	8.476402157	-0.592720129	13.01494686	asia

## 1025	-3.518485594	-6.076005190	-1.165937214	-3.95350842	asia
## 1026	-12.620387600	-4.955107952	-0.045508978	-20.58251703	asia
## 1027	-3.787023667	-5.733597966	-1.273891182	23.05582993	asia
## 1028	12.309879407	5.885700651	6.540715876	3.85240241	america
## 1029	10.437120735	-9.926162075	4.629213001	-0.27898160	asia
## 1030	4.747638020	-0.307345391	-2.769847620	-3.44203097	asia
## 1031	-5.930212130	2.072445049	3.841071077	-10.08025736	asia
## 1032	-4.360836915	0.441525779	2.731394419	8.81220636	asia
## 1033	7.164945182	12.881959014	-0.337943222	-18.74657605	euorpe
## 1034	-1.822481631	-2.457587190	-1.540915581	8.76537553	euorpe
## 1035	1.773483239	-14.931713829	4.479922310	-17.18120137	asia
## 1036	-2.254352635	-4.236137462	-6.773285359	24.07977608	asia
## 1037	-3.526718792	-7.725363490	-1.845456356	-30.52319381	asia
## 1038	7.405221568	-3.441751259	1.154359351	25.77213876	euorpe
## 1039	12.009877465	-14.346759977	5.043477445	7.02682897	asia
## 1040	4.634498527	-15.892797724	-3.218922964	18.67826056	asia
## 1041	-0.203862654	-11.768981542	-4.874935216	-17.74044310	asia
## 1042	-2.512370354	-8.709087433	9.715068009	8.56662252	asia
## 1043	-8.212228375	-6.067617545	-1.869015244	-18.53519028	asia
## 1044	9.900688354	-13.498897439	-7.005089089	-0.26845058	america
## 1045	-0.129951441	3.811781649	-0.205035436	10.22807994	asia
## 1046	-4.189191943	17.514736955	12.119243060	6.16432694	asia
## 1047	4.774836070	-16.688222392	-2.647850898	12.52341228	asia
## 1048	5.645930393	7.155637352	-0.147002769	4.94936313	asia
## 1049	10.253864849	0.891323156	0.424009410	8.62133770	asia
## 1050	8.286399870	-7.112376105	-10.396989308	-18.46666286	asia
## 1051	-9.873208389	-6.447747575	-14.317925523	-3.42780850	asia
## 1052	6.146365301	-2.187188166	-4.331904264	-15.94092558	asia
## 1053	0.654300134	4.939611779	-2.446744264	-2.49207450	asia
## 1054	1.005047020	0.933806497	16.468768509	6.48386206	asia
## 1055	2.033831965	6.105208259	-5.041246462	0.40138140	asia
## 1056	0.863372933	1.331800245	0.266288201	-37.22849728	asia
## 1057	-10.955793967	9.131383594	5.197918478	1.41076759	asia
## 1058	2.118915529	-3.694068432	-5.341145763	15.92422712	euorpe
## 1059	6.067019555	6.211693350	1.460227196	14.90563385	asia
## 1060	3.968501212	2.466215653	1.141728802	0.39054790	asia
## 1061	7.224721266	7.379737718	4.177228311	18.21873382	asia
## 1062	-2.345332577	-9.338466543	13.219837664	-0.54371663	asia
## 1063	2.873254784	2.973315016	-1.890670446	-0.84736768	asia
## 1064	5.742562832	11.352917833	-4.915870580	13.01042378	asia
## 1065	7.634940168	-3.204660577	6.345059517	13.40895300	asia
## 1066	-3.704374643	-1.673132219	4.072426602	1.65345357	asia
## 1067	3.517139587	1.006128674	-8.872364803	10.79965932	america
## 1068	-0.395410784	12.293600886	1.150377041	-11.60693731	asia
## 1069	5.243954423	6.043484792	-5.490802650	-23.10746535	asia
## 1070	7.983178059	8.276291504	1.639948732	11.89040732	asia
## 1071	-1.087368470	-4.415429760	-0.206045109	19.60935608	euorpe
## 1072	8.793314185	2.433296124	1.077516272	9.35890616	asia
## 1073	7.213762330	4.545770947	4.381985863	-2.02659985	asia
## 1074	-1.114083558	-8.966363171	9.707407886	-23.78055253	asia
## 1075	-2.529657008	-7.642516406	-4.623956807	-1.89830218	euorpe
## 1076	-5.306354962	5.908629274	-9.862064448	-14.57064093	asia
## 1077	6.350309510	-2.754698408	8.965283537	6.28887223	asia
## 1078	0.967860492	6.454950939	3.057147004	13.31845841	asia

## 1079	1.627808517	-0.550792220	0.178473896	2.75416555	asia
## 1080	-9.508135439	-20.122758896	0.824204033	6.18078831	asia
## 1081	-3.148763851	-5.100433285	8.263977692	-11.00899150	euorpe
## 1082	5.861696225	-4.696224258	2.240640324	-20.75345696	euorpe
## 1083	-8.136916451	1.092995814	11.113892897	36.20132385	euorpe
## 1084	1.547245269	12.711952827	-3.112348874	25.44832876	asia
## 1085	0.886894355	8.178132806	0.941510620	-19.84813416	asia
## 1086	0.971632730	-19.157892317	11.677764912	17.90633396	euorpe
## 1087	0.352229162	11.439024274	-3.286002780	12.11942022	asia
## 1088	-0.860599849	11.863203977	-0.511447741	17.59274219	asia
## 1089	4.037087454	-5.618925392	-4.731335469	8.15693683	asia
## 1090	-1.286916965	6.803271982	8.600847880	-8.55960754	asia
## 1091	5.222746503	8.212556038	-1.297726332	5.37259388	asia
## 1092	7.844181828	-4.620944806	4.721821869	-0.23817180	asia
## 1093	0.432568486	16.746393894	-0.603391682	-11.38353967	asia
## 1094	1.843894757	-1.245479778	-11.608151790	26.02861660	euorpe
## 1095	3.520765703	2.359453120	6.101368168	3.87621348	asia
## 1096	-12.053428260	1.171749691	-0.258325615	-17.61160770	asia
## 1097	-0.211726018	11.951023794	7.080521414	-1.50600638	asia
## 1098	6.634748603	13.576493157	-0.288407947	0.14041807	euorpe
## 1099	9.462286834	4.200643679	-0.859893424	9.84570877	asia
## 1100	4.385941529	10.638989559	-1.653274281	10.65160672	asia
## 1101	-1.960632225	13.232651875	8.463279034	-6.65657028	asia
## 1102	-7.678351936	15.322221900	-1.963285416	-22.80024453	asia
## 1103	-5.094733099	7.169223574	-2.902502547	11.17369966	asia
## 1104	5.322442200	-3.008199836	-3.158253950	0.04318713	asia
## 1105	1.807651665	8.486075897	-4.966550896	-26.21212018	asia
## 1106	2.495016083	-7.999156559	3.776403980	10.65478413	euorpe
## 1107	-2.651170863	2.053811143	3.278198385	27.95799403	asia
## 1108	-10.559216917	-0.819870319	-8.726751126	-27.96802315	asia
## 1109	9.518107220	1.286654562	3.392492833	-8.98775152	asia
## 1110	0.573160415	0.868749299	-1.923207251	1.74507849	asia
## 1111	-2.356578748	3.701044727	3.664223553	-11.53724165	asia
## 1112	6.293193363	-6.331582835	3.584340340	24.51638529	asia
## 1113	2.757110635	9.114021992	0.786796580	2.21489444	asia
## 1114	-5.482445586	-5.305417519	-4.210551245	-11.75650042	asia
## 1115	-8.540132291	-5.808056662	-0.037361060	-12.42781616	asia
## 1116	-1.258267082	7.839788181	4.139278144	-9.56068132	asia
## 1117	-12.794380941	11.230111633	10.318422452	-48.79824940	america
## 1118	12.263397033	-14.485544046	3.167314927	4.26688274	asia
## 1119	-8.219247819	-9.468687089	-1.124576744	-10.89374233	asia
## 1120	2.330004662	-8.251657750	1.046436122	0.50945503	asia
## 1121	-2.334664596	2.054474116	10.149893067	-0.98756301	asia
## 1122	-10.842486284	4.532855984	0.932073793	-16.40377239	asia
## 1123	-5.255940252	8.200479660	1.213734216	36.48726910	asia
## 1124	13.957741268	8.890439832	1.868546303	-11.33645725	asia
## 1125	17.086292073	6.471228474	2.528063151	20.47081833	asia
## 1126	0.546381763	-3.206090538	0.798253989	7.23794883	asia
## 1127	3.064637394	-0.800422117	-0.396518390	-7.99197192	asia
## 1128	-9.883600942	-12.178436114	-4.662539622	-13.08700489	asia
## 1129	-0.604659204	-4.505251768	-8.916020352	38.98321427	asia
## 1130	-6.616902048	-6.593939776	-3.631020879	0.46926927	asia
## 1131	7.775622060	0.878335800	-11.398583241	9.23245636	asia
## 1132	9.503128208	14.746536612	7.804804254	-1.18460948	asia

## 1133	-2.854709123	-6.470684587	6.163948548	-12.57653074	asia
## 1134	1.873074083	2.935576098	-1.074961104	-1.60035662	euorpe
## 1135	7.696576623	-7.242276411	16.330213645	12.23659545	asia
## 1136	-0.926984694	5.126643000	-2.381230438	-9.05435654	america
## 1137	-1.638590246	-4.880875600	-5.543515042	2.72716907	asia
## 1138	-8.717099632	-2.818896981	-0.947817947	-29.80311601	asia
## 1139	-0.010362614	7.349031599	-5.686417271	12.73807334	asia
## 1140	8.321303363	-14.882094336	0.176844528	8.41730821	asia
## 1141	11.485585068	10.844112469	2.258006528	18.38844942	asia
## 1142	-12.654834406	11.532090805	3.415365460	-25.95519055	asia
## 1143	0.865307456	0.383580978	-3.011544525	-24.86790631	asia
## 1144	-1.154671795	0.244685025	-3.017315836	-6.86934912	asia
## 1145	0.872205418	1.216758777	2.926424871	3.54876133	asia
## 1146	6.937414577	-14.713356027	11.495451677	0.27345768	asia
## 1147	5.303551819	0.185521847	7.655540504	-5.84745931	asia
## 1148	-0.907521158	-6.674568838	-3.002260825	-30.53211217	asia
## 1149	-0.456067833	-15.768315492	-0.195605088	11.63766553	asia
## 1150	4.679914952	6.532299629	9.469232274	2.51137405	asia
## 1151	-3.857984147	-1.335487178	1.555788249	20.55192282	asia
## 1152	-2.027869403	-7.171977245	2.841243380	-7.66087407	asia
## 1153	6.860439888	-12.157637829	-9.466887567	6.45671153	asia
## 1154	1.042266149	8.454565831	-0.723968244	3.71958708	asia
## 1155	2.857456348	-12.926775694	-2.358996977	6.52647129	asia
## 1156	4.372121938	5.068638820	4.570196533	8.15656968	asia
## 1157	3.849758003	-0.291175178	-7.427177033	1.06391315	asia
## 1158	-7.315731285	-9.514503314	-6.255577894	-2.16061580	asia
## 1159	5.950199941	6.297137911	-2.589352532	-0.23604148	asia
## 1160	14.064636799	-5.072837794	7.692661494	-24.83282224	asia
## 1161	0.546824719	2.778233858	1.727138024	-7.22457313	asia
## 1162	-0.088096769	2.105642988	-1.636163919	14.09269449	euorpe
## 1163	11.653022877	-1.356723167	4.454187820	-0.12443867	asia
## 1164	2.637098465	7.499353812	3.343409380	1.32671964	asia
## 1165	-1.687707058	10.558206327	2.228118545	2.05366627	asia
## 1166	5.390117548	-6.886566217	4.641537583	5.67553817	asia
## 1167	12.088837044	16.432351775	-9.633976131	-21.70110151	asia
## 1168	3.119044533	-11.226910031	9.925565720	-9.39527719	asia
## 1169	-8.108402763	-0.623376760	-8.094079219	-21.25937581	asia
## 1170	-5.767969234	-6.433510063	3.961697332	-12.18191606	asia
## 1171	-0.656817901	-8.941975812	4.857658221	11.80356664	asia
## 1172	13.440207638	9.299627297	4.214968481	35.71962873	asia
## 1173	0.543054823	1.116920714	-7.780746943	5.65808236	asia
## 1174	7.833595859	2.542200533	1.842422412	0.45493182	asia
## 1175	-4.273801725	-4.573613438	-2.664792184	-15.95305061	asia
## 1176	1.960652331	-2.510367902	-3.716870211	-13.20826023	euorpe
## 1177	6.809057818	-12.735300106	-6.696957983	-1.36610568	asia
## 1178	-7.404974347	9.165847452	4.911252682	24.29531627	asia
## 1179	-7.765103953	3.406315390	-4.469771468	-1.31498358	asia
## 1180	-9.262565793	-19.109737282	3.982868269	-18.82926181	euorpe
## 1181	1.470634257	10.282155045	7.901445981	-3.77232627	asia
## 1182	-0.401038525	-9.397478966	5.802570611	-20.62848328	asia
## 1183	-3.642111493	-0.631559521	13.292778334	3.00343808	asia
## 1184	-0.112007093	7.916770598	-0.749669660	20.17889407	asia
## 1185	1.436097727	7.060778246	1.428917979	29.67247421	asia
## 1186	-6.001157488	4.043000319	0.903578776	20.25360848	asia

## 1187	8.953972770	10.368069392	1.345823754	-2.34080905	asia
## 1188	-7.199689483	-6.435018122	-2.942898634	-15.13335644	asia
## 1189	-10.670299426	-8.877295734	2.642464155	-43.64612525	asia
## 1190	-0.574352203	-1.778039784	-0.710888438	3.67429334	asia
## 1191	-1.889471105	-1.681649928	-5.688564623	41.78108070	euorpe
## 1192	1.646046218	-1.671858496	5.921720246	20.76133140	asia
## 1193	0.997132822	-18.555155577	-3.210267584	-44.85540101	euorpe
## 1194	-9.131324525	-2.442341743	-3.301503243	11.90524536	asia
## 1195	-1.938677956	-1.568742070	-4.045855497	-13.82841401	asia
## 1196	-8.291184477	-2.684541998	-5.616814259	-11.73811456	asia
## 1197	4.082544605	-16.056449294	2.593034862	16.73347737	asia
## 1198	-4.988274203	-0.408261728	-5.525155546	-11.88162251	asia
## 1199	1.228117928	5.703416541	-2.953202830	6.23718736	asia
## 1200	-6.953896178	-2.991725954	2.556159194	3.91828516	asia
## 1201	9.091023749	7.082374179	-11.623858397	22.69936786	asia
## 1202	2.956960004	11.966566588	0.869913090	18.37504130	asia
## 1203	7.068464620	7.233022131	0.843700112	-0.83215253	asia
## 1204	-12.923583210	-5.180343139	-5.274881294	-7.11460915	asia
## 1205	0.281872424	20.597836622	-7.316901192	11.85446363	asia
## 1206	-9.437559199	11.044113276	2.213812902	-12.25727444	asia
## 1207	5.505075180	5.753101167	3.950363894	24.74235584	asia
## 1208	8.027182307	0.571792989	2.676931170	-21.59853658	asia
## 1209	-4.687102486	-3.015470728	-0.931653010	3.83260839	asia
## 1210	4.025880502	8.826135024	-1.966480689	-10.87371995	asia
## 1211	-0.422386207	16.235283728	3.360543820	10.69532001	asia
## 1212	-10.009594293	-21.638218214	0.050355479	-21.52475726	asia
## 1213	6.811403136	13.692626291	2.236001618	-8.89238178	asia
## 1214	-10.085437912	-1.748910370	-0.444798970	-5.83197932	asia
## 1215	2.156016022	-9.480782960	-6.925281683	-11.91159512	asia
## 1216	1.630083827	-17.375321211	4.513235074	-1.25185211	euorpe
## 1217	-5.754092687	-14.165958256	1.466807798	-37.76381097	asia
## 1218	8.127896463	-6.567579170	-1.030623803	-2.64363464	asia
## 1219	2.345276163	5.663498322	-3.890253302	0.27265041	euorpe
## 1220	-0.977687036	5.927475914	10.367353176	10.26633580	asia
## 1221	9.342162208	1.198383826	5.511294772	7.94626509	asia
## 1222	3.503578566	-5.551330576	-1.367015656	11.46523511	asia
## 1223	-0.035492512	-3.056093666	-0.791701196	-13.28420500	asia
## 1224	-1.453449445	-10.966803129	-1.396038651	-4.20957985	asia
## 1225	-1.207729893	2.904420408	2.092552543	-5.26222377	asia
## 1226	3.898655920	-5.791932274	4.373585433	18.21461198	asia
## 1227	-4.333855072	8.091665616	-3.518033896	-28.51385364	asia
## 1228	0.267128461	0.218236540	-2.767798391	2.70551202	asia
## 1229	4.485054461	-19.172131842	-0.084464220	-21.24670261	asia
## 1230	11.965988708	-10.412159539	-5.924492161	22.28021167	asia
## 1231	-0.724140845	7.816561870	0.634640731	-22.37836943	asia
## 1232	-7.362110852	-7.157641373	-0.752755670	7.01929397	asia
## 1233	-0.020734128	7.132488161	6.594706978	-7.89357237	asia
## 1234	-9.850849215	3.701270431	-7.880249529	-11.87158614	asia
## 1235	-3.919240389	-3.206511606	-5.090110665	-1.53178724	asia
## 1236	-0.147255191	-12.258708947	7.797984478	-0.38565973	asia
## 1237	1.472967434	6.736910116	-5.083869197	-1.17313187	asia
## 1238	7.713826944	3.850645208	-7.103905360	-20.97953305	asia
## 1239	6.082156902	-7.078088349	-0.336074765	6.98678046	asia
## 1240	2.295447222	13.968057481	-3.995090102	-4.70770629	asia

## 1241	8.612689281	-0.271725255	-2.109082543	-13.19226711	asia
## 1242	-2.889079333	-5.490869053	6.973644267	20.01346402	asia
## 1243	1.949584333	13.289805890	-3.779681275	-9.27779600	asia
## 1244	3.022049700	2.645442082	5.422143872	25.31117119	asia
## 1245	-8.712581633	13.518473268	-4.889191803	-5.11088627	america
## 1246	-5.735561972	-28.684069443	0.832137292	-9.11684767	asia
## 1247	4.489712846	3.549428807	-0.315922345	11.94243976	asia
## 1248	1.548103030	4.908350552	-2.550740723	-9.92785955	asia
## 1249	-3.216342460	11.639907601	6.024820866	2.07082728	asia
## 1250	-4.113272226	-2.758546898	-6.165355546	24.62820868	asia
## 1251	3.237700522	-2.882105835	1.624758407	-30.92472152	asia
## 1252	7.174203532	20.741259374	-3.500370418	6.15679614	asia
## 1253	4.489849810	-3.019320186	-2.095188571	16.39401810	asia
## 1254	-6.803777571	13.575398102	5.428309210	-37.47522727	asia
## 1255	5.504638157	-5.874467430	-9.536955903	11.33315090	asia
## 1256	-0.950714354	3.989691408	-2.932678396	16.02024457	asia
## 1257	10.325571747	-16.908785944	13.894174479	-29.41690942	asia
## 1258	-4.564299619	-13.491149883	6.059141661	3.41577056	eurorpe
## 1259	-0.756929048	-4.856755917	2.800555322	17.17252676	asia
## 1260	4.415291549	-4.245710610	-1.700117851	-37.29615025	asia
## 1261	-4.636964339	18.555954092	-2.428039501	-7.02363379	asia
## 1262	6.618810854	-0.776463333	-2.288596107	10.45565221	eurorpe
## 1263	4.481317631	0.472074076	2.480752975	-0.85511509	asia
## 1264	4.724947965	11.009492815	0.975562114	17.57070797	asia
## 1265	1.589804089	5.869279549	-4.560761891	10.61176471	asia
## 1266	-1.098663544	13.486988519	-4.543943782	3.41576176	asia
## 1267	-6.269630316	9.324460625	-3.948565862	7.61371548	eurorpe
## 1268	5.521462372	-11.594097441	2.236559248	20.36990437	asia
## 1269	-11.623421950	0.854231647	4.316753838	-30.77269121	asia
## 1270	-13.749856725	16.258800153	0.725514006	-7.32607671	asia
## 1271	3.419679496	5.162702671	-0.606008369	11.57341883	asia
## 1272	7.961457060	-0.093445513	1.455344377	0.20657023	eurorpe
## 1273	3.769068732	17.350131006	-3.646407308	10.75564396	asia
## 1274	-1.431695308	-10.704102646	10.779064689	-3.23788382	america
## 1275	1.192891349	-9.237085062	-1.207110697	13.95919453	asia
## 1276	0.153046577	0.051366418	-2.290414112	16.53677495	asia
## 1277	9.884444904	3.605568176	3.471281037	10.31212627	asia
## 1278	-2.896631751	18.244735593	-0.904733768	16.41492770	asia
## 1279	-3.328948014	-2.850645281	-2.141653713	-24.98819619	asia
## 1280	3.164242526	-6.168314686	2.874224553	5.61082856	asia
## 1281	8.216113667	7.564795898	5.989734099	15.23700811	asia
## 1282	5.363805678	-7.771448227	0.274674169	2.54022593	asia
## 1283	2.163785262	-5.126107288	-1.455831812	19.14020341	asia
## 1284	-1.484029418	-2.288689030	2.682424130	-18.77519781	asia
## 1285	-2.240146304	8.256214751	3.294984306	12.77501485	asia
## 1286	-4.772465933	2.726421493	0.069706434	-17.08206426	asia
## 1287	7.328369542	-2.084481633	3.356697560	5.83204052	asia
## 1288	8.596656490	7.284932492	6.000763307	-20.86539718	asia
## 1289	7.748803819	3.723497573	-4.497169681	4.05216090	asia
## 1290	3.923453645	4.670294557	3.511661413	25.88391956	asia
## 1291	-4.834809140	-7.257837258	-3.966107127	-1.59118085	asia
## 1292	-0.066759325	4.810083496	-5.221159934	-7.83088292	asia
## 1293	-7.994830374	5.355402631	3.914445901	-4.63534567	asia
## 1294	0.955137373	-19.770173465	2.402454035	0.14392061	asia

## 1295	0.821312923	-4.014457528	5.165085321	-19.06546168	euorpe
## 1296	4.349982670	-3.009178873	-0.773762104	-24.43155089	euorpe
## 1297	3.203873867	16.665755052	-0.104966707	-2.36965116	asia
## 1298	4.076812541	3.329365466	4.215010362	7.76867421	asia
## 1299	-0.093271896	7.956621543	-5.819764468	2.12065087	asia
## 1300	-4.549537361	-0.155874335	2.865002487	-25.92354694	asia
## 1301	-5.666586979	16.212844583	-2.852342501	-5.59280650	asia
## 1302	-4.421179217	11.177868168	-7.542809675	5.55125212	asia
## 1303	3.991350306	4.237527985	-1.414772415	35.61242302	asia
## 1304	-5.144947747	-4.563081691	9.686055846	-5.11854774	asia
## 1305	-2.216190864	-6.334198040	7.171485369	8.17708428	asia
## 1306	3.362476472	-11.124260910	-0.644221427	8.60131152	euorpe
## 1307	-5.341974728	0.304804601	2.633005504	1.28642383	asia
## 1308	-1.669877867	7.699755386	-4.892748954	-23.19538633	asia
## 1309	-18.398092268	-6.668556323	6.344550830	4.45300822	asia
## 1310	-5.640828380	-11.852331331	2.296504197	2.57886862	asia
## 1311	9.901567956	15.559352388	-12.492282937	-11.78704133	asia
## 1312	12.155713183	0.947329331	-5.234678365	-25.13597888	asia
## 1313	4.245973667	-11.620327917	2.783468579	16.88448474	asia
## 1314	-3.662783176	-10.332590226	-12.726633530	13.29266909	euorpe
## 1315	3.653000153	1.336025542	2.270974032	-27.70641465	asia
## 1316	1.067259081	6.734997044	9.966844602	-2.23769457	asia
## 1317	-7.825129047	5.397634575	2.295255973	21.67803554	asia
## 1318	8.402423591	-3.899253818	2.585060570	11.65022837	asia
## 1319	-1.256480204	3.627087073	-4.034457922	23.76355239	asia
## 1320	-0.633910978	-0.102053465	11.100518975	6.34256625	euorpe
## 1321	4.323904628	-4.966892093	-9.744823847	-2.02536584	asia
## 1322	0.546467166	2.676204934	0.123155430	11.67871030	asia
## 1323	4.947909962	-0.586907655	-3.497036047	22.92980940	asia
## 1324	1.381293064	5.413504352	1.073120249	8.18026883	euorpe
## 1325	-5.976116486	1.823599824	1.052088723	12.21717089	asia
## 1326	2.539614668	-11.537997741	7.141852608	10.96331085	asia
## 1327	0.815429911	-2.863230289	9.271207592	22.74101423	asia
## 1328	4.787644100	7.936396291	1.157658883	8.43335936	asia
## 1329	8.157942736	10.074472213	-11.145588104	-6.34756128	asia
## 1330	-6.882054864	-5.721373099	-1.070053874	-11.50658195	asia
## 1331	3.518574070	-0.279995648	-4.933135122	5.13975950	asia
## 1332	-2.223734105	2.306906915	-5.984415144	-3.16454403	asia
## 1333	3.092559572	7.513169463	4.746946846	-5.27720786	asia
## 1334	-5.451323536	22.042361072	-0.875920008	-6.38817831	asia
## 1335	-0.111002269	14.962738653	8.192398751	22.19486815	asia
## 1336	0.199766649	6.334969100	8.370419510	20.21826776	asia
## 1337	8.275706364	-5.357866553	-13.916479311	-30.28942132	asia
## 1338	9.272001639	1.029793756	-3.964173721	-36.98674710	asia
## 1339	4.081344877	1.265279720	10.919767953	0.74516723	euorpe
## 1340	5.626534721	-0.671132320	-7.774328030	-0.64713281	asia
## 1341	4.247874141	-2.559807666	-3.586958392	3.47741813	euorpe
## 1342	-1.342256605	8.148306367	0.749793204	27.46291339	asia
## 1343	-6.382525784	-7.372365688	2.545091726	-14.00203781	euorpe
## 1344	-3.002251043	10.674528388	0.278759241	-23.96958117	asia
## 1345	5.836549612	-6.628811440	-6.022750846	8.33480561	asia
## 1346	-12.444166512	-4.632703893	-1.577989985	8.88949600	asia
## 1347	-0.156155237	-17.557232525	-2.811306267	-0.25621688	asia
## 1348	12.756915549	15.759079395	0.525197869	11.97234719	america

## 1349	-2.789808808	-5.083775017	4.522702197	7.83516785	asia
## 1350	-1.811370011	-7.068665007	1.721374141	-20.66512478	asia
## 1351	-2.310070574	2.505571635	14.121199001	13.04838310	asia
## 1352	-4.464125285	-6.159843911	-2.877271619	22.67415119	asia
## 1353	-5.148238835	3.717159765	-1.623139886	-16.86183064	asia
## 1354	3.631219398	1.315959689	8.325602389	20.66181683	asia
## 1355	11.063236419	-11.946824280	-6.804803380	-15.60344607	asia
## 1356	-13.803578469	4.821191451	-2.792790759	-13.66131811	asia
## 1357	-4.084992421	18.869155736	3.927073366	-10.80867686	asia
## 1358	4.078046849	-7.488415070	-0.163128359	20.59180181	asia
## 1359	3.575227988	-19.925354821	2.084134891	-9.40513304	asia
## 1360	-3.155784475	-1.593706313	3.080276617	-8.36544751	asia
## 1361	-3.824069910	5.192724258	1.457338768	-1.14845060	asia
## 1362	2.605229248	12.485767793	-7.391255363	6.43661992	asia
## 1363	6.018226895	-3.911124083	-5.217535814	-6.89296616	asia
## 1364	-0.930875082	2.904391444	-7.248969679	-13.56292987	euorpe
## 1365	8.374853155	-3.835896435	7.266035494	-9.89721972	asia
## 1366	1.474044420	6.093084509	-2.997592517	6.06437398	asia
## 1367	0.686513722	0.820150410	7.552618167	23.50984899	asia
## 1368	-3.888643204	1.371825239	4.163805862	4.38344640	asia
## 1369	2.313263830	0.618332517	-4.732657943	-23.77437790	asia
## 1370	6.435137842	-16.476332048	0.664048472	-26.98208077	asia
## 1371	-1.829216338	-5.396151098	1.995196882	6.91355236	asia
## 1372	-8.808005892	-8.720108258	-0.434192573	9.73436250	asia
## 1373	8.472872362	0.334948991	6.046627810	9.04962061	asia
## 1374	9.002217634	0.364321766	-3.869206794	-3.46092690	asia
## 1375	6.138683418	10.140172547	-1.191713602	12.30682809	asia
## 1376	2.242003830	7.214911277	-0.153017184	1.45610707	asia
## 1377	1.717743725	15.859411622	1.314938623	-2.41928491	asia
## 1378	-6.046905560	14.964620393	2.121997041	-9.12136013	asia
## 1379	-4.935183459	9.704745002	-1.774897339	27.80444080	asia
## 1380	-12.177572134	3.473859581	-3.556995288	19.98734345	euorpe
## 1381	-4.002850152	-17.362569273	-3.837709742	5.36570774	asia
## 1382	4.303631961	5.409757767	-7.817485996	-5.99136172	asia
## 1383	11.787025875	-0.228621300	-4.140923065	-3.14613788	asia
## 1384	-9.089767975	-0.316886395	-2.817007612	-11.49063954	asia
## 1385	-4.062151970	9.874577321	6.718124968	-26.47147524	asia
## 1386	-9.007013340	-14.885554590	-0.323213750	-7.24637794	asia
## 1387	1.894753526	5.314005691	4.665641183	18.57933642	asia
## 1388	-0.371617333	-5.126855434	0.700768339	11.50967674	asia
## 1389	6.465451103	-6.852443203	-13.240490641	-5.00238222	asia
## 1390	9.904056492	2.289466638	-1.174924015	-4.06170939	asia
## 1391	2.561552014	-2.882874653	-1.547591965	-3.79506767	euorpe
## 1392	-13.997854457	-0.415101487	2.781938267	-5.39888930	asia
## 1393	1.725805223	0.186364805	-10.317290415	30.14030757	asia
## 1394	-1.941032556	0.956626530	2.123387737	-10.96332878	asia
## 1395	-1.537219695	-2.349908944	-1.231411568	-4.08088103	asia
## 1396	-6.154941104	-1.774130434	-0.331420812	12.33432851	asia
## 1397	-1.562141454	6.371169151	-8.415670078	-11.68223498	asia
## 1398	6.606726797	-10.376633658	2.353028397	10.61740697	asia
## 1399	-3.726735438	-16.133397873	-8.630155363	7.37066843	asia
## 1400	-2.201517581	-1.515991398	4.589494984	-10.92466355	asia
## 1401	-2.813530727	10.635676546	-2.280133211	17.17384579	asia
## 1402	-3.036509449	-6.752451516	-0.226818080	4.42374633	euorpe

## 1403	-3.586237133	0.476624030	-6.154071502	3.02845993	euorpe
## 1404	0.244001607	-1.325754124	-1.357458221	12.37301737	euorpe
## 1405	-12.812652841	-2.779701669	6.991557936	-9.54957363	asia
## 1406	-1.541117933	-6.915304476	2.312907654	-1.76492002	asia
## 1407	5.208903061	9.191548702	1.203818323	27.76410801	euorpe
## 1408	9.128523883	-5.293813000	-4.479818710	2.95410820	asia
## 1409	-6.186678863	-6.317782983	3.173310080	-31.85593498	asia
## 1410	-10.930634151	8.228815922	-6.096837925	-9.17057601	asia
## 1411	-0.982674834	-11.533832581	5.126837908	17.49524686	asia
## 1412	3.828698167	1.441202510	-7.514803342	15.01298077	asia
## 1413	1.071975065	-7.892070050	6.557259026	-4.34243237	asia
## 1414	-1.796908358	-17.090321078	-6.630653301	1.73628079	euorpe
## 1415	5.720926700	1.304928853	4.646388336	11.79224502	asia
## 1416	-1.379783995	-0.707743058	2.549175640	4.21044019	asia
## 1417	0.126097726	2.034324214	0.978691851	-9.12628736	asia
## 1418	5.666393015	-17.766146771	-5.619753392	26.95413898	asia
## 1419	0.760712581	4.624894878	10.564088140	19.25481738	asia
## 1420	3.258895527	-1.317354221	-3.425888987	20.48004569	asia
## 1421	-5.913457161	12.166343850	0.862937583	8.34629882	euorpe
## 1422	3.140432517	-6.313320966	6.164268945	14.56908099	asia
## 1423	6.470873049	-12.017089646	10.505543738	-1.70261494	asia
## 1424	-11.427703567	-11.540736316	1.384669227	-31.78785262	asia
## 1425	0.412578664	6.403046647	-4.739896151	-7.40904346	asia
## 1426	-5.181269584	2.638534125	11.045730408	-8.18530887	asia
## 1427	4.876450742	3.961585248	6.195505424	-31.24712266	asia
## 1428	1.406946895	-6.335758318	-0.875378688	-15.03613415	asia
## 1429	3.054497271	-11.753258659	1.973978920	-12.69333348	asia
## 1430	8.418309093	10.273920187	-8.692800014	12.75224438	asia
## 1431	1.147912799	10.543426946	8.103253352	-1.56964937	asia
## 1432	0.340629849	-8.109744504	-6.665891995	-4.43762544	asia
## 1433	0.415776235	-12.911565076	-10.291718702	11.37821743	euorpe
## 1434	0.549006817	-8.502567136	1.103519124	20.39240078	asia
## 1435	-5.626622756	-4.387658811	3.761623515	11.11413375	asia
## 1436	-9.041323789	-9.174328743	-4.113545874	-6.19410889	euorpe
## 1437	7.112378170	1.936290882	11.993240220	-0.52638745	asia
## 1438	2.363444450	-4.744623418	6.489082268	-1.28449337	asia
## 1439	-5.088360687	-15.484234396	4.040310040	-21.84895480	asia
## 1440	-2.969278277	7.880710965	-1.415349073	23.24932425	asia
## 1441	3.857790546	5.517842189	4.267336898	-21.22291134	asia
## 1442	0.856745114	-3.005108513	8.933096567	-4.15229250	asia
## 1443	-0.753631713	-2.075711259	3.444463977	-23.96569727	euorpe
## 1444	-8.994448882	-5.494089199	-11.252457112	1.88072300	asia
## 1445	1.909196001	-5.087935242	-9.059151046	17.59932600	asia
## 1446	0.271459230	6.432663416	3.257327145	-1.82909414	asia
## 1447	-9.394773187	7.563075562	-11.689949347	-9.58268301	asia
## 1448	1.483311915	2.068207995	9.834823468	-11.71740313	asia
## 1449	5.513515501	4.600133014	-0.760663067	-20.49934442	euorpe
## 1450	4.706936541	-10.827955367	-9.717500776	-0.81667063	asia
## 1451	-1.034940674	11.878706588	-0.469430354	7.79697604	asia
## 1452	4.108261669	-15.326535231	9.147791289	-5.94666048	euorpe
## 1453	4.120895832	10.542237232	-2.431508964	0.44162706	asia
## 1454	6.323495820	6.316557025	3.956934333	3.29210513	asia
## 1455	6.377367935	12.565453242	0.547071640	-9.48377933	asia
## 1456	-1.914290266	4.635836142	5.218773698	11.37136307	euorpe

## 1457	6.140201544	0.391370430	-2.771575520	-13.16570631	asia
## 1458	-5.016876250	-7.908836492	-0.912631948	-10.27588226	asia
## 1459	-2.692208380	9.789430103	-0.570606683	9.19619288	asia
## 1460	-9.000551693	-14.469731055	-2.005069984	20.05682373	asia
## 1461	1.920033511	3.002873065	4.780407695	17.21483910	asia
## 1462	1.513223372	-14.624598528	3.208779409	-16.08976947	asia
## 1463	4.342728879	-5.314077068	-4.830969230	-11.25417128	asia
## 1464	-11.817931724	-6.751198862	-2.179992378	5.23133362	euorpe
## 1465	11.694263411	14.790555562	-3.161788070	-18.86269351	asia
## 1466	15.761124913	-0.790331153	-3.401426346	6.10228185	asia
## 1467	0.519559941	14.239686952	7.494103067	14.27435473	asia
## 1468	7.491531175	-5.624490935	0.289805627	-6.38656556	america
## 1469	1.446542513	4.220160625	-4.749617719	17.26589122	asia
## 1470	-5.740460271	-0.871982050	1.147558589	8.04885302	asia
## 1471	2.833128167	-7.275584736	1.393522039	14.23633917	asia
## 1472	0.415029473	17.891024680	3.104616952	18.75658151	asia
## 1473	2.308587161	-16.321821948	-3.826199724	10.47694391	asia
## 1474	1.310886332	15.340193050	-1.347985127	-3.12924874	asia
## 1475	8.071658547	15.943036143	-4.065130031	7.73753536	euorpe
## 1476	4.061279816	-12.644090646	-4.077035954	-15.39814357	asia
## 1477	-6.119362666	5.059613634	5.155832498	-22.89999528	asia
## 1478	9.170361664	-5.363598087	0.382685033	7.78354529	asia
## 1479	3.074713016	3.749508549	2.319767955	9.78445061	asia
## 1480	3.295808040	-8.792874145	0.451942432	-9.50777211	asia
## 1481	0.173934313	-12.231833741	1.996369812	-2.47684719	asia
## 1482	-0.526954176	0.551721464	0.376578045	-7.41859425	asia
## 1483	-0.504755820	12.515366289	9.800184061	-13.35821503	asia
## 1484	7.071119359	9.667479914	-1.276281470	-4.71250533	asia
## 1485	1.784639353	9.515385792	-3.838156059	-3.33119174	asia
## 1486	2.335749502	-9.720564452	-0.643359981	-9.83520840	asia
## 1487	-4.039011120	-8.549260429	4.302969716	0.11767918	asia
## 1488	-11.846745827	-0.200715686	-0.635114000	23.93773752	asia
## 1489	8.447083581	-8.012428070	-5.213958893	4.93216707	euorpe
## 1490	-8.259891407	7.818260293	-3.173507936	-33.17097251	asia
## 1491	-5.777053887	8.903556394	0.094011232	-11.10311356	euorpe
## 1492	-1.087068863	-1.528027350	-0.248254503	16.49903810	asia
## 1493	1.054796595	-0.589822189	-6.500833994	34.39487572	asia
## 1494	2.942120874	2.905234033	1.242068187	1.89175697	asia
## 1495	-12.926937936	-2.290532164	14.248876262	-4.27087023	euorpe
## 1496	4.670026509	12.947327666	-0.313306495	13.91604790	america
## 1497	1.951787426	-1.203496618	-6.916182157	-1.78720397	asia
## 1498	-2.688397527	10.108644248	-4.170337795	-3.02390618	asia
## 1499	-5.043700329	-4.222821461	-4.153824212	-7.37725928	asia
## 1500	0.276714918	-5.495434013	-2.269434589	37.56474766	asia
## 1501	0.139510805	7.256577681	10.139133144	-4.81234811	asia
## 1502	-1.319352233	13.471358774	-1.186678259	-23.35717612	asia
## 1503	7.922432591	-7.206792731	-6.980631946	11.59953553	asia
## 1504	-0.172505157	-1.014259138	-1.257459165	16.21923462	asia
## 1505	-1.829764607	9.505803479	11.475590140	28.75961027	asia
## 1506	3.135806569	5.089207020	4.163841626	3.98395574	asia
## 1507	7.931594435	-3.304880811	-1.701782205	-27.63649850	asia
## 1508	-0.052205740	-3.407746738	-2.196531386	8.50586593	asia
## 1509	-3.254022905	-1.603714413	2.518324484	21.08409830	asia
## 1510	2.434303770	1.283050927	8.503975014	-10.87696060	america

##	1511	1.586684589	19.136431720	0.117321513	8.03246549	asia
##	1512	5.785185601	3.868555822	0.941503209	6.18422377	asia
##	1513	-10.407229513	3.050372816	-0.825367998	-15.73692443	asia
##	1514	11.198596785	-16.894406107	3.491083529	-4.48951841	asia
##	1515	0.599061124	-0.719464376	-1.686348617	-3.31553102	euorpe
##	1516	6.230633045	-5.753635204	-1.126449992	29.90584245	asia
##	1517	0.033438730	6.785023097	8.442895850	2.29988939	asia
##	1518	5.643924804	10.387927180	-1.872316332	-1.81854551	asia
##	1519	-4.420459676	8.499460587	2.190536699	-5.47040474	asia
##	1520	-1.997544350	16.227799699	6.001640236	18.32608090	asia
##	1521	5.496255917	18.827174269	3.340485685	6.87290329	asia
##	1522	3.952732141	-2.521348655	6.386067586	21.75858385	euorpe
##	1523	0.889516191	-0.890256170	2.516567757	1.22222060	asia
##	1524	8.360396795	-17.083212811	-2.497209534	1.86995959	asia
##	1525	12.095431246	-0.681963093	0.876751898	9.55169288	asia
##	1526	-0.504579999	-8.821324823	-8.458444011	-23.72466712	asia
##	1527	0.201660682	-8.585741474	0.870762722	3.04686609	asia
##	1528	1.468813342	2.128999545	-1.762754069	11.84903803	asia
##	1529	6.869472082	-8.129025933	-2.280414312	12.44089597	asia
##	1530	6.116580209	-1.707826407	-0.626099782	11.20027974	america
##	1531	3.715551403	12.626125502	2.841145020	11.77086068	asia
##	1532	5.291104791	-0.698655371	-12.403420702	-28.35288303	asia
##	1533	-5.292278885	1.386875136	-0.765757781	20.33314824	asia
##	1534	-6.412625649	-1.963915871	7.154232795	18.02939683	asia
##	1535	3.148797107	6.381768272	-6.769846850	-21.13297879	asia
##	1536	-5.022328445	-11.258885265	-6.974083185	-16.02727968	asia
##	1537	0.827883237	0.109277330	-0.755291019	-6.27311711	asia
##	1538	-1.275475653	-3.404961097	-2.376553426	8.25998931	asia
##	1539	-7.871481158	11.493821402	4.031303297	-20.83896131	asia
##	1540	-2.009549952	-1.186915367	2.853851806	1.68307474	euorpe
##	1541	-4.777446113	13.497754113	-3.106217348	-19.37216026	asia
##	1542	-1.081598718	6.591111624	6.201367374	-7.18219151	asia
##	1543	-10.921066576	-3.391676048	-5.861468362	20.51098799	asia
##	1544	-12.700827575	6.133402906	2.148082376	-2.71307016	asia
##	1545	7.711810797	14.774063581	1.677614034	-5.79428515	asia
##	1546	-0.600655694	8.909005061	0.774659595	14.32062820	asia
##	1547	-4.662166476	7.090225610	5.938904795	11.53820497	asia
##	1548	6.624725239	15.753846526	-2.940971133	-2.18373899	asia
##	1549	-14.333756638	-4.114908923	3.438054504	-3.54425320	asia
##	1550	0.972814716	-24.986845041	5.299892881	27.32265442	asia
##	1551	10.740023057	-14.341828123	12.722594834	0.31003205	asia
##	1552	-3.438825992	-5.090380432	-3.416759045	10.74186956	asia
##	1553	14.284296600	18.246809389	-3.584440681	3.37310897	asia
##	1554	0.067736650	16.323604578	4.438026732	-14.03371294	asia
##	1555	-2.929557794	0.879174686	3.104766581	1.34701529	america
##	1556	0.793735366	-0.429236227	-1.870935795	-7.16425447	asia
##	1557	0.772412308	15.892969121	0.961308925	22.97646848	asia
##	1558	3.794374327	-14.716020052	-7.791683596	-11.94269100	asia
##	1559	-0.324661974	3.498256447	9.145863329	-11.58167403	asia
##	1560	5.290129163	9.880017353	-3.942966133	8.21657955	asia
##	1561	-2.439384180	-4.894162764	1.135632456	-16.94247779	america
##	1562	-5.655975822	-14.039011804	1.696826656	-19.67486086	asia
##	1563	-4.898147502	-1.163065464	0.135008478	6.40251153	asia
##	1564	4.143530714	-2.987261653	5.005984323	11.42157765	euorpe

## 1565	-1.402157157	0.928059661	5.991426401	12.58996935	asia
## 1566	0.649383201	-10.874660367	2.161750295	-22.82887669	asia
## 1567	1.785827456	8.486567367	-0.224871545	-11.03648170	asia
## 1568	-2.086397205	-17.285162405	-0.066354007	6.10091114	asia
## 1569	-1.988345331	-16.813124984	2.604693060	7.98107622	asia
## 1570	1.953301560	-11.617029576	5.860788678	-7.26521224	asia
## 1571	-5.759359868	-14.843471540	7.368412664	-5.50380833	asia
## 1572	-7.745986037	1.987411803	8.127054895	-20.21531956	asia
## 1573	-13.230570633	8.724214966	1.845790783	-2.19064708	asia
## 1574	-5.505562253	-1.440161926	-8.808881950	-23.88869311	asia
## 1575	7.695432616	0.108062579	-1.915474096	-11.51235070	asia
## 1576	-1.836774473	0.647939822	1.825330740	-0.91056842	asia
## 1577	-4.150380854	-6.021338230	9.845282119	10.09193113	asia
## 1578	-5.877214091	-11.177903411	-4.378701685	-0.31552361	asia
## 1579	4.186720992	-5.623440144	0.978035820	-7.83109896	asia
## 1580	-9.998174165	1.630498722	-7.558268687	5.63203718	asia
## 1581	-13.148515241	-12.473715190	-1.594909996	-12.65152468	asia
## 1582	1.629836143	-4.718405705	3.447377528	-17.22912088	asia
## 1583	6.064267966	-6.101719303	-1.082170979	3.35730638	asia
## 1584	-10.414178744	-1.980009573	5.412019372	-27.87438012	asia
## 1585	8.555472448	12.834044713	-2.373323159	5.80797025	asia
## 1586	-1.831504073	7.948685881	-4.265910291	-4.70604426	asia
## 1587	1.653502011	8.484226131	-5.332503998	5.95671518	asia
## 1588	1.120845823	-8.228051066	4.356789502	-13.40013302	asia
## 1589	6.153069868	13.510264052	-1.981296797	-1.62222620	asia
## 1590	-5.076701787	-2.097760825	-1.188908292	-24.71922754	asia
## 1591	-7.044896214	-6.968140995	5.263017808	18.34962434	euorpe
## 1592	4.234389938	11.272697507	2.362340493	-21.43309592	euorpe
## 1593	-0.846108078	-3.899259641	1.242358778	19.59576946	asia
## 1594	-4.012766866	13.193389313	5.996113695	14.81721830	asia
## 1595	-4.572991957	6.789075520	-7.887948913	-12.93279086	asia
## 1596	-5.617611092	-10.178556722	10.717696340	-0.81958493	asia
## 1597	1.339787490	11.218635035	0.939140775	18.69581940	asia
## 1598	-2.247904879	11.472605895	3.862823045	10.34843987	asia
## 1599	-5.154381147	-20.332388045	0.127891154	-14.33323028	asia
## 1600	5.651172017	11.873530719	-9.217663107	-5.44686274	asia
## 1601	-8.148212149	-12.937771702	-3.714666444	-11.57951992	asia
## 1602	-1.181299626	-1.403827031	4.343704825	17.76020516	asia
## 1603	-2.277971221	-11.978183276	-8.315910648	-24.59962980	asia
## 1604	-2.871208493	7.509264554	-3.539520228	-10.82328302	asia
## 1605	4.824208244	-3.482065203	-7.566997200	22.12378792	euorpe
## 1606	1.820018219	-0.397006668	15.110118848	-27.76378986	asia
## 1607	1.187328795	1.402974681	-0.068961959	11.12603793	asia
## 1608	5.070272113	20.330966988	5.761219978	15.39511759	asia
## 1609	4.959448561	1.011590803	0.033465418	-4.09299101	asia
## 1610	-1.821048611	11.333978228	1.470227859	-23.36118528	asia
## 1611	3.081676629	3.197552923	3.056171186	5.58424862	asia
## 1612	6.359113437	-6.767488826	6.906844476	10.02222843	euorpe
## 1613	-2.207365932	8.279311682	7.728751739	7.93493066	asia
## 1614	5.226733798	18.506754124	4.389935210	13.15771416	asia
## 1615	1.340513950	7.426846650	-2.798846637	22.04860538	asia
## 1616	-6.170459254	-3.342876902	2.027200262	20.10858582	asia
## 1617	-5.282315578	2.219800361	-1.570154074	-11.34410093	asia
## 1618	0.592354343	5.245342446	-5.643883315	-4.04630520	asia

## 1619	-12.127305122	-10.322526619	0.755355313	-17.78445451	asia
## 1620	4.028090702	6.355167181	-0.437177645	17.55028544	asia
## 1621	-2.508487793	-2.641325086	2.553355624	0.36684043	asia
## 1622	12.546401541	18.815719593	3.267761205	-10.74045931	asia
## 1623	4.046122051	2.745246620	3.024741543	19.46007044	asia
## 1624	-1.829238261	-0.186809047	4.573015654	3.46309624	asia
## 1625	4.937438476	-3.773743418	3.491608753	-32.23800951	asia
## 1626	-10.823577893	0.508605513	1.972821011	-25.84538371	euorpe
## 1627	-8.385164540	-12.887441529	-1.514169732	12.30166205	asia
## 1628	-7.767083488	8.576965809	-0.363183807	-10.44359132	asia
## 1629	2.891650930	9.814346958	-1.786478883	-35.78452905	asia
## 1630	0.210816465	9.169241438	2.614981762	-13.16786308	euorpe
## 1631	4.267659169	-10.459462394	2.731223726	7.95478101	asia
## 1632	1.326451431	4.183512804	3.852578521	-22.25768984	asia
## 1633	-0.448351764	-2.431921372	-1.277542190	29.30592915	asia
## 1634	-2.748619066	-18.384500876	1.844061406	25.12878369	asia
## 1635	-5.385085017	-13.285005392	-2.377042465	-18.46529417	asia
## 1636	0.087949105	7.977327599	-3.435471758	5.39566514	asia
## 1637	6.383076315	-12.216211425	8.598200111	18.47104057	asia
## 1638	2.113615082	15.130919272	-1.639790913	12.60282293	asia
## 1639	6.108471428	3.836703782	-1.567617968	-13.40253832	asia
## 1640	-6.366440898	1.923193777	-0.284416737	0.13710708	asia
## 1641	-5.521265753	-21.484621525	8.079286639	22.94391836	euorpe
## 1642	-3.615557284	3.586598214	2.856904135	27.34988996	euorpe
## 1643	9.440866213	9.299132876	2.600468552	-37.22039189	euorpe
## 1644	-5.076823798	-0.747672041	-3.931232397	5.52951185	asia
## 1645	2.310160431	-8.084500064	-0.201552760	-19.77252926	euorpe
## 1646	-3.090601512	2.293278832	-8.406463373	12.78471117	euorpe
## 1647	3.879000812	-1.512677065	-1.374191163	-16.57299961	asia
## 1648	-11.873093900	-0.063181453	6.474534969	6.56605192	asia
## 1649	0.679364505	7.756520638	8.239192473	-3.30230469	america
## 1650	-1.477945414	9.925182838	3.887553028	6.15149837	asia
## 1651	-4.697852597	-14.986432999	-3.359170006	15.03606120	asia
## 1652	0.289877082	-12.740635988	3.002521616	17.52231560	asia
## 1653	-1.982572948	2.009745572	-7.871570117	-0.55865908	asia
## 1654	4.036849964	-7.219994333	12.168254932	4.75944750	asia
## 1655	-2.745127848	-7.222117393	-2.957704255	0.31988035	asia
## 1656	2.831956421	-6.331822860	2.451099824	-11.08588400	asia
## 1657	-6.608247932	1.244536943	-0.616796729	7.02786097	euorpe
## 1658	0.526613238	-5.034426584	3.012610557	7.33972380	asia
## 1659	4.774374623	2.581989047	-0.299913661	18.98178823	euorpe
## 1660	7.355807460	-21.338072650	4.979286168	0.79732381	asia
## 1661	-0.539052845	4.541041629	2.754318571	7.02188233	euorpe
## 1662	-5.375873402	5.293030344	4.331963042	-0.27357994	asia
## 1663	-0.561648730	22.028736145	1.231075084	4.49075833	asia
## 1664	-3.371100832	-23.256768656	-3.868539853	3.59108272	asia
## 1665	-6.037736366	4.063351132	9.092216004	-4.86519259	asia
## 1666	2.851948682	-9.306427155	2.612675807	-7.87357607	euorpe
## 1667	2.506773874	1.971261312	9.027334738	-34.07498208	asia
## 1668	-1.047340795	7.286092662	2.637968132	-5.54531547	asia
## 1669	3.286660269	21.813967526	-5.142177548	16.15234700	asia
## 1670	1.530575254	-4.517470340	-0.064967640	-16.73920149	america
## 1671	-9.605331693	-7.859474884	-10.630244324	-10.46180479	asia
## 1672	2.633640822	-0.341542880	4.958227840	9.12279299	asia

## 1673	-0.395675093	6.338513840	8.154169761	-10.05120702	asia
## 1674	-8.364917142	21.685236128	0.411296002	-12.60049615	asia
## 1675	8.077639286	-2.825747525	0.460177253	-13.92569208	asia
## 1676	4.797534915	-6.840705176	0.111041723	0.78197817	euorpe
## 1677	-7.374607520	-5.038185880	-2.960501176	25.72928066	asia
## 1678	2.951073255	-5.477307454	-1.881410741	3.21587680	asia
## 1679	-1.155916142	-15.688923087	-5.284969456	22.82417404	asia
## 1680	-0.553013966	-16.911112945	-0.589908143	16.36091961	asia
## 1681	-3.523692954	18.041922920	-3.300294778	-11.57935671	asia
## 1682	-15.683869558	9.226139976	-3.604569366	-5.03857844	asia
## 1683	-3.241000125	5.026014493	-6.230018614	-23.81541897	euorpe
## 1684	-13.495889441	9.175964347	-3.076846668	-8.98859823	asia
## 1685	-1.130718516	-16.565996598	-5.322484346	31.96910785	asia
## 1686	-6.051799900	-8.633688925	6.298886590	2.50357833	asia
## 1687	-2.879558608	5.104019114	-0.481720451	1.76619773	asia
## 1688	-5.411175472	-4.164041104	11.497477164	7.30080976	asia
## 1689	5.436087148	-0.867807698	-4.034502354	-2.00188665	asia
## 1690	3.408199335	-5.670066771	-1.843171632	22.01828090	asia
## 1691	6.279377792	-4.174450818	3.323291046	8.83167175	asia
## 1692	5.104446225	14.870099916	-7.456143930	10.23241825	asia
## 1693	4.962383261	0.131736043	-8.520390712	25.05398696	asia
## 1694	-3.688601635	-1.938391772	-0.094569215	-8.44387506	asia
## 1695	-2.342461187	-13.567749219	-0.318367189	-18.96599247	asia
## 1696	0.633942458	3.660508394	-3.313349847	-9.43905746	asia
## 1697	2.861335327	-3.392404543	-2.358945209	14.21220975	euorpe
## 1698	2.007278133	-0.615011207	11.848954645	-29.47360125	asia
## 1699	3.356044284	-4.327804944	-0.240209759	-3.30150793	euorpe
## 1700	4.009958565	-3.115418658	-7.936254307	8.77511354	asia
## 1701	1.172922181	-3.811757581	-0.182323374	3.71989239	asia
## 1702	-8.462262390	-16.410468169	-1.056815873	-2.95776081	asia
## 1703	9.944015095	19.294608425	3.787364882	-10.22037656	asia
## 1704	-4.464941683	10.607427185	-3.608233108	18.21624988	asia
## 1705	3.079598519	-14.203671904	18.152921298	13.94632102	asia
## 1706	2.819487875	0.878934822	-3.460421264	25.05068564	asia
## 1707	-0.562305526	-2.952336128	3.448285436	-8.31294881	asia
## 1708	5.422719014	-10.134414678	5.778555576	-1.81298873	asia
## 1709	4.036692337	2.036847283	0.163605173	19.18791610	asia
## 1710	11.966479636	-4.747172733	2.046533970	-10.23054715	asia
## 1711	8.492546269	7.766983856	-3.197739387	11.09900420	america
## 1712	-13.144247918	1.983172745	0.990169615	-25.67926664	asia
## 1713	0.835849829	-3.275960476	2.770954262	5.87802438	asia
## 1714	7.646828880	-15.107917263	-1.698072424	10.01241840	asia
## 1715	7.571742575	7.413623970	0.597961216	-35.88394688	euorpe
## 1716	-0.163239285	5.567409284	-3.622401785	23.17952026	asia
## 1717	0.608934326	-3.966367565	4.345129041	1.10397955	asia
## 1718	5.770568570	-7.547009837	-3.098406469	1.84884667	euorpe
## 1719	-4.046327837	12.448400451	-2.787997426	6.49694846	asia
## 1720	-11.081806113	1.185825918	0.997755472	-23.15089856	asia
## 1721	9.334952744	22.162965056	-6.282336416	9.24165766	asia
## 1722	6.056759943	5.096283032	0.500259097	3.43168302	asia
## 1723	2.970132238	-16.800904686	3.566705897	3.12494618	asia
## 1724	-4.120313729	23.654356739	5.722080666	0.25532312	asia
## 1725	-1.943752233	-13.792194117	-1.069517320	13.39660362	asia
## 1726	7.728902110	2.190629665	-1.641863998	16.09577620	asia

## 1727	3.369317220	9.928987923	-1.681748319	15.47644717	asia
## 1728	6.527503815	-8.613792945	-7.351934539	-23.10991442	euorpe
## 1729	7.192174711	-0.534685098	-14.225705693	32.32492297	asia
## 1730	-4.507376383	-3.075385925	0.094350090	-24.59789244	asia
## 1731	1.075449321	-11.800550639	14.064932622	-6.59557843	euorpe
## 1732	1.507069585	6.314022905	-3.389818634	25.40630423	asia
## 1733	6.775954690	-16.813775535	-0.791830721	8.27327068	asia
## 1734	-11.462563307	-0.343284761	11.272606331	-28.72430804	asia
## 1735	-2.901315699	4.604914849	-2.126474767	-13.99997481	asia
## 1736	-7.433636245	-6.644593067	-2.771496100	5.55670626	asia
## 1737	-0.079665508	-19.758813634	-4.770845474	7.98840477	asia
## 1738	-9.509296176	9.221999583	-0.434045784	11.07097125	asia
## 1739	-4.341736769	-3.854599551	-8.585486069	10.23437303	asia
## 1740	-5.703546733	2.158093809	1.579083031	-5.70503190	asia
## 1741	3.191670448	-7.304152203	-6.454933559	7.24899746	asia
## 1742	-1.127965619	-7.598818766	2.235282362	24.85473365	asia
## 1743	1.285493974	4.167895732	-0.849118113	-3.32819174	asia
## 1744	1.405074789	-10.025077560	3.679739157	11.22340345	euorpe
## 1745	-10.422582519	18.773534342	5.909628936	-16.91078846	asia
## 1746	1.690166359	8.576612981	-2.767028995	-13.34955693	euorpe
## 1747	-1.860216766	-1.259905090	6.816038102	35.97225502	euorpe
## 1748	-9.764958823	-1.002879008	5.434966350	-23.85631550	asia
## 1749	-1.342115674	2.597412275	0.344273517	21.45258482	asia
## 1750	-6.865287471	1.309085733	3.979181157	-15.22484292	asia
## 1751	5.965385178	8.973445135	6.803580256	-23.04221550	asia
## 1752	6.726102117	-13.417733797	4.638896557	-15.66719302	euorpe
## 1753	0.424226988	1.581066133	-1.869304886	2.95222004	euorpe
## 1754	1.836063419	-11.453802724	12.180113589	-4.05126183	asia
## 1755	-8.262170996	9.458745759	-9.896788689	4.62596084	asia
## 1756	-8.140770627	-3.849732813	3.567155288	-29.74956170	asia
## 1757	-8.480040763	-7.574822701	-1.745135750	1.13410185	asia
## 1758	-4.066787305	-7.503185678	-4.568477025	19.53328630	asia
## 1759	2.371665954	13.577198612	-0.907858163	2.95711109	asia
## 1760	2.835672286	-1.358213546	3.074364960	-9.96776646	asia
## 1761	5.942783063	1.265929269	-9.104760172	-3.62394024	asia
## 1762	-11.287665415	6.810808270	-0.979527785	-27.57279452	asia
## 1763	-2.327985372	0.307653301	-1.956754112	-13.75578851	asia
## 1764	7.916537887	10.819590467	4.579091731	-9.11951046	asia
## 1765	-3.427217354	-1.616932465	3.463100286	-15.11348523	asia
## 1766	6.273772538	-21.427081585	-8.931961819	0.75691693	asia
## 1767	2.690337418	10.895191275	4.570571733	6.55963926	asia
## 1768	-3.436287930	9.980063738	-3.018837208	-3.78927863	asia
## 1769	2.509017204	9.666094792	-2.967395484	-11.65101107	asia
## 1770	-1.983066551	-4.971294413	0.573344109	-1.22827971	asia
## 1771	-4.416683151	-9.276292865	1.715957181	-7.32535233	asia
## 1772	10.372514126	5.161636991	-2.168194237	20.11178977	asia
## 1773	5.598079305	8.966401014	11.489375506	12.70733983	asia
## 1774	1.377378899	13.653606076	-4.136913341	-13.74047299	asia
## 1775	-1.873140651	7.550842248	-1.114681219	18.92797825	asia
## 1776	7.568547662	-1.453513486	0.777544293	25.76411952	asia
## 1777	2.503040464	-11.140106983	0.427059416	-5.08848768	asia
## 1778	4.775011607	-6.730830846	-1.501101875	2.63309917	asia
## 1779	2.155116756	1.249970650	8.074762913	8.94965201	asia
## 1780	-1.325088671	14.012164774	-15.084253378	-14.53117482	asia

## 1781	-5.417362854	-6.923223370	3.171209122	9.78250027	asia
## 1782	4.549288967	9.236743217	-5.727026366	14.13201787	asia
## 1783	-1.402243082	-12.115183115	-1.405128447	-6.03628663	euorpe
## 1784	1.241600158	-4.941961697	-0.065961174	-7.17946891	euorpe
## 1785	3.225307150	3.328482940	-3.161212793	-3.59830049	asia
## 1786	2.249301606	3.868657004	-3.773754422	15.00114454	asia
## 1787	1.871826358	8.115224599	10.311843508	-0.11334824	america
## 1788	2.580295460	9.431555453	5.590251360	11.09006786	asia
## 1789	0.401805508	6.520983261	-0.931238518	-14.27831874	asia
## 1790	-0.811743095	15.581013607	5.713283983	-4.57128724	asia
## 1791	3.378385999	-2.681650715	-2.749398150	-7.11447616	asia
## 1792	0.429717127	10.051181528	2.121555484	-5.98759896	asia
## 1793	9.931063493	0.106837852	1.779571728	15.32186291	asia
## 1794	2.365085345	-11.461446314	3.545093795	33.32855305	asia
## 1795	5.162884046	-3.825371838	-0.873093051	0.31839212	asia
## 1796	-0.446850498	4.616276634	2.034353346	32.56618305	asia
## 1797	9.233031961	8.658738057	-12.262138200	-5.93670266	asia
## 1798	6.175238454	4.983998546	3.138034757	13.62473161	asia
## 1799	-0.498244585	-2.338445160	10.887294414	7.73427325	asia
## 1800	-0.640085110	-16.177453203	-9.225367469	2.56610135	asia
## 1801	-13.270628133	-2.381769228	2.813320564	-11.39460383	asia
## 1802	11.444607106	-5.756790465	13.468184174	-0.55158280	asia
## 1803	2.729983399	4.789479175	-11.038800785	-4.21177297	asia
## 1804	1.224264793	-15.055564318	4.513149859	34.19386364	asia
## 1805	6.638382821	5.291686871	-3.739465529	13.37079125	asia
## 1806	2.657064579	3.064602960	7.948891875	-6.89040714	asia
## 1807	5.094771318	-10.370270916	-13.360366867	10.36773501	asia
## 1808	2.691220412	-7.047756200	1.731976216	1.49753543	asia
## 1809	6.929996693	2.085295435	-3.119720947	-3.99671702	asia
## 1810	-5.976219360	-9.510630583	9.524901853	11.69297262	asia
## 1811	-3.048406449	12.553929453	5.336518845	14.99442125	euorpe
## 1812	-7.033848065	4.243516553	6.618858444	-1.75426422	asia
## 1813	-3.008163082	3.831384647	1.338172381	19.64511739	asia
## 1814	6.383872834	14.249629539	-2.384128677	-1.90719736	asia
## 1815	6.808417545	-7.997586959	7.303797611	-10.01950988	euorpe
## 1816	-2.994481870	-3.224528103	4.079502762	28.59138253	asia
## 1817	4.269843028	-14.272723620	-5.959943030	-3.74074694	euorpe
## 1818	-10.917299196	14.866744585	3.081546222	1.54493114	asia
## 1819	-2.393701796	3.656522920	0.409550942	-0.67491514	asia
## 1820	8.158519812	0.986318682	8.020465304	4.56707289	asia
## 1821	-6.686156693	-10.427845597	0.720179294	-6.45709028	asia
## 1822	6.116722114	3.448793687	5.389585182	21.63863613	asia
## 1823	0.442382215	5.219209702	11.673659184	3.02665737	asia
## 1824	-2.941853663	-1.073424224	-1.242308161	-2.86229144	asia
## 1825	-0.145744734	6.620140279	-6.145446941	-6.54475187	asia
## 1826	4.402015323	1.708652325	-1.363897372	-24.33762604	asia
## 1827	-1.636636646	15.805957402	-1.138107936	-3.50017278	asia
## 1828	9.707849035	-4.773884182	-3.325921254	-1.58025610	euorpe
## 1829	18.198223886	11.954131746	-1.852360842	36.96145372	asia
## 1830	-4.026266400	10.142374788	14.895306849	3.78620406	asia
## 1831	-4.733895517	-6.842306444	-11.016362545	20.45817650	asia
## 1832	-4.829024617	-14.914376681	10.291495714	-10.23479454	asia
## 1833	-9.345639100	-10.956133457	1.105479238	-20.04831496	asia
## 1834	-1.603944704	3.705788553	0.475677916	18.44342084	euorpe

## 1835	3.517152175	0.490968678	5.403377533	8.04211397	america
## 1836	-1.309231477	-2.803445176	-4.036024845	-20.46948655	asia
## 1837	-12.822777718	-0.814937455	1.528569246	-8.49290857	asia
## 1838	0.303272229	8.277675097	-5.516670643	-9.55748078	euorpe
## 1839	2.517783728	5.907740866	8.954853029	4.69716712	asia
## 1840	3.146887584	-5.191935659	-10.386825626	-6.35476288	asia
## 1841	4.644271125	0.663809726	-6.740099411	13.45162219	asia
## 1842	4.546581031	2.337206003	0.759119872	-4.11536833	euorpe
## 1843	5.077139240	-4.413812343	-6.309824065	-28.81933257	asia
## 1844	-4.940717991	-4.769849862	5.108781080	-6.95015074	asia
## 1845	1.252855011	4.270716113	-1.497532403	7.56617684	asia
## 1846	1.726150745	-6.387557547	2.132272194	35.40030747	asia
## 1847	8.303333135	12.265371247	7.200258873	10.26645025	asia
## 1848	-6.799403478	10.731285448	-5.476499764	8.26293120	asia
## 1849	-3.343999668	10.090598614	7.198116806	-3.28275448	asia
## 1850	-0.470982183	5.984972680	4.269468927	2.04335811	asia
## 1851	-3.803347947	3.225371398	4.861595394	-14.85533840	asia
## 1852	4.997443227	0.149274618	7.517624285	3.57043037	asia
## 1853	-9.057588500	7.969464240	12.542937472	3.22006439	euorpe
## 1854	1.979939116	1.120500789	-0.830169095	-18.35063129	euorpe
## 1855	11.933496029	9.729469932	-9.065993962	-19.37713304	asia
## 1856	-4.192182112	-26.453547135	-4.363788577	0.09633705	asia
## 1857	-0.796190468	7.068775780	-3.392490440	0.39776004	asia
## 1858	2.149392916	-3.838062075	-5.101199695	-17.50947693	asia
## 1859	3.400586636	-9.558308608	3.997305316	-4.23587199	asia
## 1860	2.003149297	20.926586011	-2.749865897	4.20690245	asia
## 1861	3.561744646	2.798027332	1.163777849	-32.55749445	asia
## 1862	-6.038845515	9.084175068	1.396875804	3.07543660	asia
## 1863	-3.698061067	19.513995290	-5.494316480	2.71231434	asia
## 1864	-0.743401973	-7.692792121	3.175472308	7.37663125	asia
## 1865	1.506522094	-11.801458726	2.215717110	3.31972126	asia
## 1866	-0.638240256	5.900801178	-1.013585205	-0.01472820	asia
## 1867	5.204981578	-1.407532624	-2.795043915	9.36283445	asia
## 1868	6.578282498	0.453491347	1.994518073	-19.11813381	asia
## 1869	-6.032445228	-6.742215922	-5.776716335	3.10561850	asia
## 1870	3.083481705	6.338328120	-5.764352935	17.32315873	asia
## 1871	-5.805205916	-11.754840114	-0.347156677	-2.49973181	asia
## 1872	-9.807813358	-1.834709097	-5.694189511	-21.46703034	asia
## 1873	-1.375637273	-13.465054175	0.281701531	12.72284526	euorpe
## 1874	-0.308946108	1.814790445	1.926977177	-8.85720189	asia
## 1875	14.266678576	-7.460186373	5.293729953	3.56911024	america
## 1876	5.384138665	0.058842900	6.025197197	-15.76395036	asia
## 1877	-0.668450557	10.803360402	8.016025403	6.26063359	asia
## 1878	6.985927456	-0.468230948	-4.618948167	12.12640718	asia
## 1879	5.876519226	-15.091101221	-9.177506709	-3.43777465	asia
## 1880	9.756441921	-12.525552974	-7.929415539	-18.52970899	asia
## 1881	4.987369586	-13.344056815	-5.825620962	6.35417787	asia
## 1882	-3.597880069	-5.586763419	-8.277045994	16.24031514	asia
## 1883	-2.381523507	-6.759410153	0.736472559	-7.49245679	asia
## 1884	-3.918806657	3.986633281	4.146141126	8.26429489	asia
## 1885	-0.127468187	13.744832646	3.110689424	0.58175063	asia
## 1886	-5.154104085	-0.272955681	-0.529293501	-0.96713043	euorpe
## 1887	3.520709327	1.881699768	-1.158109694	-18.67058777	asia
## 1888	7.431396892	1.178022741	-6.165913787	14.72631755	asia

## 1889	-6.636128697	25.049049290	-3.672930859	-7.11474646	asia
## 1890	2.625317733	7.306031344	-2.871633822	-23.66682606	euorpe
## 1891	0.028817371	-7.304666188	-9.509324403	7.46414991	asia
## 1892	-2.200611739	-6.828643116	1.917154115	32.41301486	euorpe
## 1893	-1.345830522	-12.296351650	2.445698315	13.92373716	euorpe
## 1894	-8.933269221	-9.113264221	7.979334406	-46.17656704	asia
## 1895	2.005488175	0.818461327	4.835598570	5.00900119	asia
## 1896	-2.159856869	15.172710350	2.306457762	7.19008627	asia
## 1897	0.347390021	7.275533907	-4.982154077	11.56908175	asia
## 1898	3.396274450	-1.633574795	11.913935001	-7.68274945	asia
## 1899	-1.045451951	3.485031983	-0.404364323	5.23963312	asia
## 1900	0.893250162	-7.122194395	2.746788881	-3.67822611	asia
## 1901	-5.276056254	-5.551698048	5.046525763	3.37839428	asia
## 1902	-10.579967125	-10.400661690	8.165207061	-15.59315705	asia
## 1903	8.754858635	10.467550992	-8.963885748	4.68220855	asia
## 1904	4.702890074	-2.923083655	-5.967590798	-11.84310224	asia
## 1905	-2.912487893	4.566746017	-2.939638702	-1.62144659	asia
## 1906	8.392653072	7.303382393	7.014000728	-11.17994753	asia
## 1907	7.295773589	4.723342817	-4.857155581	6.73223802	asia
## 1908	10.236281243	15.427469798	1.671308988	-16.60357170	asia
## 1909	-9.485823294	1.314348160	0.882255658	-41.10041056	asia
## 1910	-6.479170334	5.798459961	3.047732055	-14.43985595	asia
## 1911	0.703492707	-9.199835125	0.603004298	12.93636916	asia
## 1912	2.196771074	-12.989759461	6.494002552	-6.73205511	asia
## 1913	0.943514193	13.938357920	-10.868578067	-5.42609969	asia
## 1914	3.463306762	16.767540085	5.179883323	-30.04582104	euorpe
## 1915	4.718510042	9.417535748	-2.124639383	-19.40001233	asia
## 1916	-6.491673051	-1.054429169	-0.091185206	-12.68834850	asia
## 1917	-0.548208120	-9.641569699	4.917635917	-8.69732023	asia
## 1918	8.961905440	-2.472418014	19.928544706	12.81347063	asia
## 1919	3.734915481	4.169907698	4.724407769	23.09285443	asia
## 1920	0.225461454	-3.630170269	1.467378483	-7.24691294	asia
## 1921	7.239244521	-7.453587586	4.203531300	26.06248007	asia
## 1922	1.086616721	13.693097172	2.337696034	10.86721511	asia
## 1923	-6.650585557	11.797314399	5.437393866	-30.34349487	asia
## 1924	-0.929122383	-25.856599429	1.745318331	-7.60359368	america
## 1925	2.287393995	-12.777383062	9.327588727	-2.12272943	asia
## 1926	-1.291782060	-0.565243420	-3.129255697	-12.61815925	asia
## 1927	-3.756437610	2.554853023	4.255074651	23.17640403	euorpe
## 1928	5.060816620	21.427432960	-3.465444971	-4.40184260	asia
## 1929	10.397067750	9.639875999	0.596725903	16.32997881	asia
## 1930	-1.751144121	-6.377424109	-6.192041128	-5.14616706	asia
## 1931	2.099734608	6.917761536	-1.203899055	0.89043650	asia
## 1932	-1.878469984	-1.581786122	1.380254150	-3.98908061	america
## 1933	3.183297968	18.146114186	-3.194673076	13.59344443	asia
## 1934	5.947755533	-1.183651898	-6.843533320	11.76644330	asia
## 1935	-3.632409997	-6.096263859	8.421240008	-14.32465912	asia
## 1936	-1.623953057	-7.621059494	-7.894259603	13.47081521	asia
## 1937	1.396042533	2.710190759	-5.543011708	-12.29476678	euorpe
## 1938	2.936600407	-6.814063255	-16.794267385	-26.75083704	asia
## 1939	0.939135411	-5.695892568	8.553068357	16.71584580	asia
## 1940	2.047265477	-4.933641608	-2.857566640	2.57503500	asia
## 1941	-1.816315366	-19.641282359	-0.484416377	-17.47886031	asia
## 1942	3.328088222	11.670761196	5.848078449	2.33111904	asia

##	1943	1.297936395	-11.801980509	-8.669213940	6.80031331	asia
##	1944	3.339768447	5.509679569	-1.100392216	5.63220970	euorpe
##	1945	-2.319454122	9.953867332	3.706811424	-16.09280677	asia
##	1946	-6.374214099	3.557581824	8.990109659	-19.47803923	asia
##	1947	3.546162170	-0.480304645	7.524703709	4.65971412	america
##	1948	9.836895875	-8.956779260	-3.341561713	-30.22153804	euorpe
##	1949	9.113057234	1.725969068	5.284603221	9.65761134	asia
##	1950	8.009288179	3.751117009	0.631525885	1.98692898	asia
##	1951	2.288596613	2.062291756	5.260167228	-0.86595132	asia
##	1952	-13.510787002	6.770253502	11.009996971	-36.96192588	asia
##	1953	1.496881617	5.437999350	2.717113530	2.26692447	asia
##	1954	0.894243067	-5.210348512	6.847614654	0.01824802	euorpe
##	1955	-0.941732855	-20.970849254	-0.288870749	1.74659486	euorpe
##	1956	5.988498871	0.655105736	2.022551958	3.70018159	euorpe
##	1957	6.571682463	11.103839688	-0.121058506	-8.64160767	asia
##	1958	-4.710165050	10.678420685	-4.963376424	-4.12815218	asia
##	1959	6.804122760	-8.265777729	5.915450606	9.42451756	asia
##	1960	-1.132600299	-18.313079779	-8.589237607	19.21080973	asia
##		x25	x26	x27	x28	x29
##	1	-0.801339784	1.142950e+00	1.00513064	-18.47378394	July tuesday
##	2	0.818791914	-6.429867e-01	0.75108609	3.74937714	Aug wednesday
##	3	-0.718315403	-5.667566e-01	4.17108843	11.52244796	July wednesday
##	4	-0.052429804	-5.585825e-01	9.21556914	30.59522578	July wednesday
##	5	-0.223449165	3.507814e-01	1.81118165	-4.09408413	July tuesday
##	6	0.894263820	3.542656e-01	14.16273530	5.56717363	Aug wednesday
##	7	0.758598377	-5.968456e-02	-9.56660193	9.61840971	Jun wednesday
##	8	-3.583892606	7.425296e-02	-4.37253432	-5.65585194	Aug wednesday
##	9	1.045865850	1.260198e+00	-1.95263410	19.14058860	May wednesday
##	10	0.660298119	1.223846e+00	3.23110332	3.09495430	Jun wednesday
##	11	-1.542226403	4.830958e-01	-7.12068347	19.69281476	July wednesday
##	12	1.674992117	-3.047651e-01	-13.54108688	-10.86607963	July tuesday
##	13	-1.658964173	1.390535e+00	-1.79659036	-10.33277276	Aug thursday
##	14	-0.580298285	5.001999e-01	0.70925397	-23.49535105	May tuesday
##	15	-1.000462690	6.351900e-01	-2.10293999	6.31439895	Jun thursday
##	16	2.949391140	7.466241e-01	-8.10199289	13.19903657	sept. wednesday
##	17	-0.703597682	5.098087e-01	-1.96130217	4.66205716	sept. wednesday
##	18	1.868003059	-1.588407e+00	-5.90672253	4.65861454	Jun thursday
##	19	0.152849373	6.119816e-01	-10.35942139	1.32177916	Jun wednesday
##	20	-0.223930586	-9.784213e-01	1.13357868	12.02862285	May tuesday
##	21	-0.205325884	1.575702e-02	-14.19470185	34.11676542	May tuesday
##	22	-0.434044939	1.141407e+00	5.63968561	18.95343221	Aug wednesday
##	23	0.799756472	7.316948e-01	-3.30243739	18.20257666	July thursday
##	24	-0.993840691	2.745962e-01	1.50255252	-12.90306054	July wednesday
##	25	-2.119420302	-1.772709e+00	-6.28315506	-28.90691593	Jun wednesday
##	26	0.243947858	1.785584e-01	-11.38841677	-14.68895401	July wednesday
##	27	1.191567000	1.240676e+00	-2.14822461	-4.79928597	Aug thursday
##	28	-0.563877255	4.270175e-01	7.63724363	-10.28150134	sept. wednesday
##	29	1.463954612	9.746770e-01	7.01872336	0.32066099	Jun wednesday
##	30	-0.583714804	-1.306269e+00	4.23887693	11.95770423	Jun tuesday
##	31	2.050443255	-8.356342e-01	-20.80169095	-32.64618007	Jun wednesday
##	32	-0.247270364	6.370378e-01	-6.44513425	6.79000451	Apr thursday
##	33	-1.571535716	1.721769e+00	9.90619973	28.25325186	Aug thursday
##	34	-0.266826092	-1.036471e+00	-5.38857574	-2.78387241	May thursday
##	35	-3.839147738	-9.283960e-01	-14.53808993	-18.94928742	Jun tuesday

## 36	-1.672091398	3.455335e-01	5.59367728	-22.02291138	Jun	tuesday
## 37	-1.527983940	-1.008985e+00	7.40287315	10.83500076	May	tuesday
## 38	-0.671235795	1.043450e+00	-1.73006321	-0.14216697	Jun	wednesday
## 39	-0.474539666	-3.583119e-01	2.61943962	-4.16535036	Jun	wednesday
## 40	0.117249575	-8.462288e-01	13.69184818	5.19411314	sept.	tuesday
## 41	0.337474430	1.325513e+00	-6.30119862	-11.84329582	Aug	wednesday
## 42	-1.587998497	1.418311e+00	4.79146110	8.86033658	Aug	tuesday
## 43	0.277529180	6.253326e-01	0.21129554	14.80430658	Aug	thursday
## 44	1.219584023	5.265423e-01	-8.40947257	-38.51226147	May	wednesday
## 45	1.175021333	3.658863e-01	-2.92889457	-3.43508319	July	tuesday
## 46	-0.044721285	-2.792481e-01	7.68080798	16.99137010	Aug	thursday
## 47	-0.806353673	-4.066939e-01	-6.67538945	16.35095940	July	wednesday
## 48	-0.869335513	5.284645e-01	10.49928944	-18.17663771	Jun	thursday
## 49	1.401969987	2.041526e+00	0.80457554	12.34168584	Aug	wednesday
## 50	2.661568068	-1.632609e+00	0.85632180	-18.12131557	Aug	wednesday
## 51	-0.715883184	-1.682369e+00	-8.52896571	7.21455400	May	tuesday
## 52	-1.004189135	1.847588e-01	0.65337803	13.84488724	Aug	tuesday
## 53	-1.056656752	-8.660464e-01	5.27148232	-11.85991496	Aug	thursday
## 54	-1.900723715	-7.792821e-01	-1.19233002	-11.72583212	July	wednesday
## 55	-0.570029082	9.175744e-02	3.29848405	6.81380154	July	wednesday
## 56	-1.786997525	-3.381202e-01	-7.64087028	11.97677499	May	thursday
## 57	1.570177496	8.281458e-01	6.86019576	0.94278202	July	thursday
## 58	-0.623232721	-1.323522e-02	0.65661668	-20.39867902	May	wednesday
## 59	1.237728519	-1.363631e+00	-20.87147569	9.46366272	Jun	wednesday
## 60	-3.320996908	-2.173752e-01	-0.07346171	6.17846621	Jun	wednesday
## 61	-1.321785541	3.423418e-01	-10.14142303	-4.21831614	July	wednesday
## 62	-0.372558855	-2.514272e-01	-3.14426920	2.80091316	Jun	wednesday
## 63	-0.849571750	6.807118e-01	-14.31888936	-3.93711211	Nov	wednesday
## 64	1.254256858	1.290364e+00	-13.29768733	-15.18023507	July	thursday
## 65	-0.825655183	-8.127602e-01	0.19912014	6.44553867	July	tuesday
## 66	1.059748520	-1.612176e+00	10.95633155	23.09661209	Aug	wednesday
## 67	-1.611298450	1.115454e+00	-7.19290738	19.10992406	Jun	wednesday
## 68	-0.905896653	2.363193e-01	-8.72138453	-2.44068551	sept.	wednesday
## 69	-0.346009027	3.300200e-01	-4.23538925	-1.69865727	Jun	tuesday
## 70	-2.187624564	-3.632721e-01	-9.46359145	-0.66123124	Oct	wednesday
## 71	-1.068922622	-1.890904e+00	-4.10703907	-2.52371041	Jun	wednesday
## 72	1.638090794	-5.395068e-01	-3.03555229	10.12749103	Jun	wednesday
## 73	-1.997019006	-1.230600e+00	1.47697314	28.48943490	Aug	tuesday
## 74	0.594465417	-1.336300e+00	-10.57587183	-4.07318773	July	wednesday
## 75	-0.300013479	5.187698e-01	0.81066636	8.21765258	May	tuesday
## 76	0.142697656	1.317418e+00	10.13096342	-36.29298318	Jun	wednesday
## 77	1.443564440	-3.489557e-02	-7.60996594	-1.14027043	Aug	wednesday
## 78	-0.085964055	3.830249e-01	3.90892354	26.17450831	Aug	wednesday
## 79	-1.073418809	1.072667e-01	2.09817895	-34.82464281	July	wednesday
## 80	0.186828276	-1.419828e+00	1.55447205	15.51109100	May	wednesday
## 81	0.627819177	5.712225e-01	2.32030519	9.61915589	Jun	wednesday
## 82	-0.847203224	-8.263836e-02	-0.90752126	-2.59360684	May	wednesday
## 83	-2.742106350	7.513527e-01	-6.56996613	36.77117343	Jun	thursday
## 84	-0.819805101	1.501071e-01	-10.33751024	-7.57865095	May	wednesday
## 85	-0.174981936	7.532810e-01	-4.13478158	-9.68886296	Jun	wednesday
## 86	-0.028041925	-6.289016e-02	-8.90355820	2.59416384	Oct	wednesday
## 87	0.591526604	7.575990e-01	-7.62082636	19.31165495	July	wednesday
## 88	-0.092718750	-9.319875e-01	-12.65115053	14.56198002	July	tuesday
## 89	-2.332535185	-6.940973e-02	-6.03568716	18.95267480	Jun	thursday

## 90	-0.731276706	3.165474e-01	-9.79260454	-7.02927120	Jun	thursday
## 91	-0.345014831	-6.865144e-01	1.45447236	-27.23838422	Aug	wednesday
## 92	0.769103391	-4.936406e-01	-10.99468306	3.44060938	Jun	wednesday
## 93	2.112023877	-1.216041e+00	13.57622971	19.98200016	Jun	wednesday
## 94	1.114197430	1.024113e+00	-8.18587305	23.13402875	Jun	wednesday
## 95	-0.516758025	1.325254e+00	-1.31880344	-4.36150618	Jun	wednesday
## 96	1.960288978	-9.766854e-01	1.31927321	-3.04009695	Aug	thursday
## 97	-0.830378738	4.155827e-01	0.99713109	6.59298609	May	wednesday
## 98	-2.687710017	-1.158171e+00	3.88734583	9.73967294	Jun	tuesday
## 99	0.285461551	7.143655e-01	-8.66147363	-32.39318898	May	thursday
## 100	0.798270311	-7.642322e-02	12.94169079	-12.29180862	July	wednesday
## 101	-0.579899912	-1.808393e-01	10.94683596	-10.60618538	July	thursday
## 102	1.598846316	3.152143e-01	-4.09214961	20.22292868	Jun	wednesday
## 103	0.432652264	3.505683e-02	-4.93926516	-7.31750087	Aug	wednesday
## 104	-0.440252727	7.882912e-01	-4.65291639	6.18286568	Jun	tuesday
## 105	-0.458047466	4.461610e-01	11.46015043	17.60640331	July	wednesday
## 106	-0.240268632	-6.585153e-01	-8.08737760	17.69576040	Jun	thursday
## 107	-2.518494639	2.471560e-01	7.96516830	-18.71661711	Aug	wednesday
## 108	-0.368535892	-1.506576e+00	-0.93395538	-0.03356713	July	tuesday
## 109	0.327800569	4.847561e-01	-0.96353889	6.25044045	July	wednesday
## 110	1.968261738	4.067293e-01	4.59127573	-10.64774248	May	wednesday
## 111	-0.091576266	4.589316e-01	-4.09108248	13.33785796	Jun	wednesday
## 112	-0.555822463	-4.374745e-01	-8.72336852	-2.36967349	July	wednesday
## 113	-2.092381903	1.246470e+00	-0.73253093	-6.00071349	May	wednesday
## 114	-0.498449216	6.231272e-03	18.45014548	-35.57400184	Aug	wednesday
## 115	-0.244097616	1.085911e+00	7.99760165	-14.45953511	July	wednesday
## 116	0.556992460	-3.675596e-01	5.61803243	-0.50092014	Jun	wednesday
## 117	-1.870449396	7.454491e-02	-3.18512736	-6.13842860	sept.	thursday
## 118	-0.539986778	8.461665e-01	-8.95476820	0.90372030	May	thursday
## 119	-0.303894371	-1.051624e+00	-0.57015029	-18.31840685	Aug	tuesday
## 120	-0.562802550	1.289351e+00	11.42763728	14.21219496	Aug	wednesday
## 121	-0.505014983	1.673892e+00	1.65958863	12.22613122	Jun	thursday
## 122	1.946790252	-1.494691e+00	4.62681155	27.51984547	May	wednesday
## 123	0.315717536	-1.439113e-01	5.24707694	3.84767777	May	wednesday
## 124	-1.374945625	1.515789e+00	9.48257674	-6.28343107	Jun	tuesday
## 125	1.283136881	5.088432e-01	-2.07329972	-15.72125368	July	wednesday
## 126	0.228238265	-2.897649e-01	6.47157229	26.63334708	Jun	wednesday
## 127	-0.151254594	-1.814955e-01	-13.85019068	-7.48432333		wednesday
## 128	2.362086072	-3.174725e-01	-1.12303248	-12.98969460	July	wednesday
## 129	-1.102439556	4.310468e-01	-10.52650166	10.45635734	July	thursday
## 130	-1.208751262	-1.035611e+00	-3.83534599	-12.24482003	sept.	wednesday
## 131	-1.008355170	1.210999e+00	-8.07566828	-4.72761508	Apr	wednesday
## 132	0.077443105	4.226305e-01	-7.80965031	24.04994909	Mar	wednesday
## 133	0.139222079	-1.586830e+00	0.56594467	39.55410741	July	thursday
## 134	0.635504283	7.881827e-01	-3.39169774	20.20397884	July	wednesday
## 135	0.202446057	-1.760513e-01	-2.96499031	13.31441540	July	wednesday
## 136	0.713988322	8.336527e-02	11.98983155	1.49735340	Aug	wednesday
## 137	-1.562575186	5.194748e-01	5.01586053	33.85398373	July	wednesday
## 138	1.020484405	-6.108844e-01	-0.42583341	-28.44677698	Aug	wednesday
## 139	2.526632449	-8.254169e-01	6.77267674	-17.02467002	July	wednesday
## 140	0.712708754	-8.684359e-02	-2.53165882	18.69608316	May	wednesday
## 141	-0.881057495	8.051012e-01	7.69188176	-8.99222037	Jun	tuesday
## 142	-1.359778677	-1.392856e+00	-4.89393127	0.49760975	May	tuesday
## 143	0.279537608	1.113315e+00	14.26040125	-9.89778704	July	wednesday

## 144	0.350123252	-1.542546e+00	-0.23750154	-12.51204989	Jun	wednesday
## 145	0.101544648	8.670918e-01	-10.23478851	21.01858513	July	wednesday
## 146	-1.536823700	3.053389e-01	5.90070724	-11.01272745	Jun	thursday
## 147	-0.586451914	1.786920e-02	4.17099759	-13.81399623	May	thursday
## 148	-0.716913695	-4.044330e-01	-9.20732520	2.21128891	July	thursday
## 149	-1.284678366	8.062028e-01	-5.56553453	4.66518308	May	tuesday
## 150	-1.826818511	7.413120e-02	5.26990547	-8.11349219	May	wednesday
## 151	0.162365566	5.319869e-01	-8.48086682	-0.19996153	May	wednesday
## 152	-1.166043472	1.418820e-01	7.42214494	1.81290477	July	wednesday
## 153	-0.508810876	1.754720e-01	-15.17594841	-6.67705460	Aug	wednesday
## 154	1.151434495	3.338883e-01	-2.59258866	-32.74647475	May	wednesday
## 155	0.124409949	2.480933e-02	-2.77876872	-20.51242135	July	tuesday
## 156	0.392829203	-8.305708e-02	-2.27529164	-10.74821252	Jun	wednesday
## 157	-0.431221527	1.167641e+00	-0.59900982	14.29768854	Jun	tuesday
## 158	2.499484746	1.802970e-01	5.90956543	16.34653967	Aug	wednesday
## 159	-0.565866249	1.447646e+00	-1.70563102	-20.95037307	July	wednesday
## 160	0.780128834	-1.123486e-01	-13.14323040	-25.82101186	July	thursday
## 161	-0.209676428	1.354680e+00	2.64663546	18.93063825	Aug	wednesday
## 162	-2.162436781	4.100046e-01	0.63351571	5.26343354	Jun	wednesday
## 163	-0.898590615	5.634884e-01	-1.34046629	-8.34139137	July	wednesday
## 164	1.526041963	6.670355e-01	-15.72195870	-16.48094719	Aug	thursday
## 165	0.008900898	4.158474e-01	-0.25268274	11.23877981	May	wednesday
## 166	0.394068767	1.201945e+00	-5.44053639	-38.64081934	Jun	wednesday
## 167	-0.786743656	-2.324243e+00	-11.10916300	-0.23920400	Aug	tuesday
## 168	0.934703709	4.428375e-01	9.42479236	9.82637298	May	wednesday
## 169	-0.748332809	-6.542320e-01	-3.62955382	3.78478438	Jun	thursday
## 170	1.014315845	7.367143e-01	-6.73720082	4.97460385	sept.	thursday
## 171	-0.068668379	-3.549262e-01	5.34089469	-16.99907255	July	wednesday
## 172	-2.083799707	1.214022e-01	4.70332584	-6.37660034	Jun	wednesday
## 173	1.806845477	1.405956e+00	-15.51877405	-15.16439090	Apr	thursday
## 174	-0.440360666	-9.671532e-01	-3.21721949	17.74126668	Jun	thursday
## 175	-1.009991397	-6.497075e-01	4.37493607	-14.14475010	Aug	wednesday
## 176	2.289912153	6.805436e-02	3.42442043	17.77541251	Jun	wednesday
## 177	2.186287166	-2.720677e-01	3.89475489	-0.75321793	July	wednesday
## 178	1.296267737	-2.048078e+00	4.69465850	-17.68707376	May	wednesday
## 179	-1.243516590	2.054264e-01	8.73742026	-0.42828118	Aug	thursday
## 180	0.998805959	-5.976203e-01	-2.03202631	-8.70746898	Jun	wednesday
## 181	-0.658377669	1.743710e-01	-0.71499964	-1.54083884	sept.	wednesday
## 182	-1.377805586	7.845698e-01	-0.33901301	25.66568910	Mar	wednesday
## 183	0.739527060	6.023467e-01	-0.52431687	-24.33188733	Apr	wednesday
## 184	-1.976921095	1.251769e+00	4.06383230	-21.26610687	Aug	wednesday
## 185	-1.608341233	-1.088271e+00	-11.95246297	-2.24543790	Aug	wednesday
## 186	0.296000444	-2.679370e-01	-10.26720227	6.92451547	Aug	wednesday
## 187	0.813178127	-5.014843e-01	-6.55262433	4.07066171	July	thursday
## 188	0.339596769	-2.547247e-01	-7.28223869	-2.95762166	Aug	tuesday
## 189	-0.974328655	9.524077e-01	-5.89882482	-28.89301954	Aug	thursday
## 190	-0.453381381	-3.299282e-01	-2.96108920	6.41682779	July	wednesday
## 191	-0.695679143	-8.603615e-01	3.67370703	-7.75217221	Jun	wednesday
## 192	1.098181707	1.035419e-01	-5.00910833	7.81152660	Apr	thursday
## 193	0.951320166	6.284907e-01	12.84232206	-5.44912808	July	wednesday
## 194	-1.389216816	7.623353e-01	13.36676741	-7.42556889	Aug	wednesday
## 195	0.721909672	9.940617e-01	-2.57179727	-7.80898328	Jun	wednesday
## 196	-0.114775749	6.335202e-01	6.99640634	24.72171465	sept.	wednesday
## 197	-1.022847246	-3.499066e-01	4.75774759	-22.68287424	Aug	wednesday

## 198	2.485898484	2.724886e-01	6.77708698	9.78198747	Mar	wednesday
## 199	0.062693857	8.905349e-01	-7.87643601	-9.48266553	May	wednesday
## 200	-0.772306977	2.859506e-01	-1.58295622	25.14621186	Jun	wednesday
## 201	1.454156004	-7.618906e-01	0.74827074	6.96226455	May	wednesday
## 202	1.108759028	-9.395829e-01	0.24449067	8.79976658	July	tuesday
## 203	-0.361371966	6.311059e-01	0.94396180	12.62703054	Aug	wednesday
## 204	-0.846752682	4.335388e-01	-12.03596144	-3.38465360	Aug	wednesday
## 205	-1.345713100	-2.332606e-01	3.40365249	-21.10936129	Jun	wednesday
## 206	-1.101718347	-1.675813e+00	10.51124576	-8.77817365	July	wednesday
## 207	-0.256491978	-4.742056e-02	-1.52819440	10.63563979	May	wednesday
## 208	1.593980112	-3.699186e-01	-3.92184170	-11.39419495	Aug	thursday
## 209	-1.184112617	-4.751435e-01	-5.91063437	-21.68296366	July	wednesday
## 210	0.172119238	-4.564877e-01	-3.49150619	-9.25634492	July	wednesday
## 211	0.916556615	-1.749170e-01	1.55631191	-18.94672787	July	thursday
## 212	1.448501064	2.845914e-01	-2.26975113	25.43571243	Jun	tuesday
## 213	0.330794513	-3.630845e-01	-0.51961548	7.67217319	July	wednesday
## 214	0.620796728	1.352665e+00	-1.01565157	-43.91930762	Jun	wednesday
## 215	-0.498095053	-3.218070e-01	0.81686644	-16.54086024	July	tuesday
## 216	0.440307342	6.334662e-01	-10.58632460	-26.19839778	Jun	wednesday
## 217	1.256391058	1.920831e-01	-1.78058462	-4.25644964	July	wednesday
## 218	0.666471728	-9.733991e-03	-1.96862845	-9.73764687	Jun	thursday
## 219	-0.210436885	2.318733e-01	8.40984690	2.33716282	May	wednesday
## 220	2.340346694	-9.471400e-01	0.85550558	-0.43736495	sept.	wednesday
## 221	-1.211734760	-1.444280e+00	-10.21467765	14.72615405	July	thursday
## 222	0.772458885	-6.957770e-01	-2.92504630	-9.03874256	July	wednesday
## 223	2.363376196	-4.369731e-01	10.90801379	25.18239453	Jun	wednesday
## 224	-2.741428112	1.238355e+00	-7.49844160	12.52238333	Aug	wednesday
## 225	-2.198264280	-8.332584e-02	0.07301093	-10.97227822	Jun	tuesday
## 226	1.430027625	-1.513582e+00	-0.62359862	-23.18387254	May	wednesday
## 227	1.587182044	1.480110e+00	-5.60575932	-15.91316395	July	wednesday
## 228	-0.156381474	3.730340e-01	3.16369540	-12.72915558	Jun	wednesday
## 229	1.044411887	3.630598e-01	2.02096890	-21.87251393	Jun	wednesday
## 230	-1.376590932	5.672080e-01	-8.00434540	-17.06925475	Aug	wednesday
## 231	-0.620388607	1.715248e-01	-8.63537882	-0.80858926	Jun	wednesday
## 232	2.564074791	1.806975e-01	-5.67892356	3.72705832	Aug	wednesday
## 233	2.765716581	1.213326e+00	0.51738904	-8.37902282	July	wednesday
## 234	2.079065728	-5.719561e-01	-4.49994523	5.74214525	July	wednesday
## 235	0.696206147	-3.068149e-01	4.29507189	9.72186201	Aug	wednesday
## 236	0.075663124	1.064886e+00	-13.03770681	-30.65282497	July	wednesday
## 237	0.404553647	4.062420e-01	2.84786944	16.73689518	Jun	tuesday
## 238	1.649283964	-4.571188e-01	6.02065187	-3.87551376	Apr	tuesday
## 239	0.739570982	-3.911816e-01	-1.37130128	12.56604236	Aug	tuesday
## 240	0.804667493	-1.186308e+00	0.70301311	3.61377523	Jun	tuesday
## 241	2.570515771	-1.840044e-01	-3.84177654	-15.39753857	Jun	wednesday
## 242	-0.008993976	-5.055422e-01	2.76552366	3.72636630	May	thursday
## 243	0.524141685	-8.444279e-02	-5.57455793	-16.57548043	Aug	wednesday
## 244	0.886879723	1.374134e+00	14.61097602	31.27580933	Apr	wednesday
## 245	-2.119071726	7.516223e-01	-1.82759461	8.20897599	Apr	wednesday
## 246	-1.124917099	7.349728e-01	-5.56358791	0.90657740	May	tuesday
## 247	-1.370536676	-4.315795e-01	7.04374749	28.21804010	Apr	wednesday
## 248	-0.420045150	-7.181495e-01	-1.22612849	-26.67815594	Jun	wednesday
## 249	-1.573817410	1.551830e-01	-5.64842296	-12.43693325	Jun	wednesday
## 250	0.291686279	-3.877070e-01	2.88922109	-14.67261903	Aug	tuesday
## 251	-0.036484243	-5.234686e-01	5.01459699	1.58786843	July	tuesday

## 252	-0.388090557	8.363816e-02	11.40966971	-20.14625348	July	wednesday
## 253	1.033647636	3.812970e-01	4.56409293	-34.79458219	July	wednesday
## 254	0.036147511	-1.249487e+00	1.44718739	-1.09728802	Apr	tuesday
## 255	1.204718394	2.063980e-01	-1.17742931	-5.33831441	Jun	tuesday
## 256	-1.121717761	-5.990048e-01	3.12295934	8.25567473	July	wednesday
## 257	-1.608559916	2.846309e-01	-4.03960380	-3.05801441	May	tuesday
## 258	-1.411954419	1.464637e+00	-11.39901928	8.27453019	July	wednesday
## 259	0.149951699	2.621173e-01	-1.53952271	10.12009745	July	wednesday
## 260	0.065876906	8.527048e-01	5.08905657	-6.45525748	Aug	tuesday
## 261	1.348972922	1.676867e-01	9.14909429	-8.87110047	July	thursday
## 262	-0.732079669	-1.395045e+00	7.79650193	-7.10301943	Jun	wednesday
## 263	-0.958058951	8.266973e-01	-4.70383463	-0.85399572	July	wednesday
## 264	1.961631025	-2.826993e-01	-5.07893350	19.29825932	sept.	wednesday
## 265	1.636614628	-1.510191e+00	6.12094679	-12.62570617	July	wednesday
## 266	-1.105886603	-1.400546e-01	-1.49021623	-12.45505378	July	tuesday
## 267	0.197122569	1.017036e-01	-10.20020373	4.70707622	July	wednesday
## 268	-2.454675709	-1.161136e+00	-7.71610984	-19.52487429	Apr	thursday
## 269	-0.016523239	8.639269e-01	-3.39976696	10.09501923	Aug	thursday
## 270	0.807264038	1.110812e+00	-8.38211541	-5.69749277	July	tuesday
## 271	-0.923242237	1.451488e+00	2.98885280	10.77536355	July	wednesday
## 272	0.375144955	9.839998e-02	-13.52236094	-8.19652424	Aug	wednesday
## 273	2.402889619	-8.696147e-01	-4.13042762	24.39560580	July	wednesday
## 274	-2.075039330	1.098969e+00	-6.80996641	0.19986888	Apr	thursday
## 275	1.067131652	-5.917804e-01	0.32293598	-15.85023944	July	thursday
## 276	-0.638821625	9.271171e-01	10.33923414	-19.98673934	Aug	wednesday
## 277	0.724811699	1.200311e+00	-5.24157081	-10.66024321	Jun	thursday
## 278	0.040611088	-2.822422e-01	-0.67673190	-4.72317026	Aug	monday
## 279	1.612850273	-3.964508e-01	7.76144510	12.67095515	July	thursday
## 280	1.073488572	5.457348e-02	-6.06861177	6.28700066	sept.	wednesday
## 281	0.779225638	-1.038816e+00	11.02775527	-19.32872337	Jun	thursday
## 282	0.107592407	-2.943065e-01	-2.13636617	-12.49478376	Jun	wednesday
## 283	0.381035383	1.612373e+00	-1.23019910	32.19141945	July	thursday
## 284	-0.171982605	4.820663e-01	3.50421511	-11.63094737	Jun	tuesday
## 285	-1.224950874	1.275951e+00	-5.26906669	23.66098056	July	wednesday
## 286	0.165514528	1.039331e-01	8.76245554	14.47057545	May	wednesday
## 287	-0.631189148	-1.734229e+00	-2.65913758	-10.57827782	Aug	thursday
## 288	0.710396015	-3.874769e-02	4.80136534	9.76431105	July	wednesday
## 289	-0.607767437	1.323089e+00	-1.38899680	-19.97847888	Aug	thursday
## 290	-0.525097479	-4.787315e-01	-0.38859418	19.20748498	sept.	tuesday
## 291	-0.971939057	1.262863e+00	-11.30428984	10.62649995	July	wednesday
## 292	0.253617723	-1.914557e+00	-6.67850307	-0.77084108	Jun	tuesday
## 293	-0.119894201	-9.830785e-01	-4.97350090	8.78365812	July	wednesday
## 294	-1.506492385	6.514055e-02	4.36700373	1.25675277	May	tuesday
## 295	-2.411417682	7.407413e-01	-0.22511297	18.54306895	July	wednesday
## 296	-0.255880544	-5.136587e-01	2.25084277	-7.22268931	Aug	thursday
## 297	-2.925554394	3.056093e-01	2.28157068	-21.67690304	Jun	wednesday
## 298	0.145273232	-1.087696e+00	0.24257666	-5.62063411	Aug	tuesday
## 299	-0.930876459	7.881268e-01	-3.39621698	-0.17770912	May	wednesday
## 300	3.534578461	-7.813095e-02	8.89124031	-3.35919868	May	wednesday
## 301	1.092523820	3.170744e-01	0.36805508	4.04297616	Aug	wednesday
## 302	-0.501393964	-4.610800e-01	-10.02024699	-16.21932033	Oct	thursday
## 303	1.010216602	-1.009899e+00	-4.37692173	12.33340185	May	wednesday
## 304	-2.821646644	1.690762e+00	0.50659035	-4.32610464	Jun	wednesday
## 305	1.109007254	3.161178e-01	8.75177606	-1.63526881	July	wednesday

## 306	-1.172334262	-9.030656e-01	-2.70686758	7.36437603	Jun	tuesday
## 307	-0.092293842	1.221891e+00	0.96874174	-19.94597924	Jun	wednesday
## 308	-2.347811077	4.907959e-01	-12.91873197	-12.89354385	Jun	thursday
## 309	2.616613924	6.065842e-01	1.05681312	-18.11961871	July	wednesday
## 310	1.142983834	8.647558e-01	-4.44031492	-35.47061686	July	wednesday
## 311	-0.486058068	7.299759e-01	2.20144314	-7.19144335	Apr	thursday
## 312	1.490627839	4.636309e-02	8.72161239	-26.95786666	sept.	thursday
## 313	-1.724920936	9.327064e-01	11.85147406	-24.37004537	Jun	wednesday
## 314	0.600481276	1.135196e+00	4.53394486	33.81822254	July	wednesday
## 315	0.559374105	-8.919785e-02	4.53442981	-4.74730700	July	tuesday
## 316	2.387422907	1.557599e-01	7.87284060	10.32316478	Mar	wednesday
## 317	0.294733390	-5.951760e-01	-0.50706229	24.68550095	July	thursday
## 318	0.191391911	5.236685e-01	12.91022676	-47.62242982	Jun	thursday
## 319	-0.427318252	-5.684105e-01	-1.59423334	-0.86579811	Aug	wednesday
## 320	0.531728928	1.316207e+00	-0.01930792	32.18091583	Aug	tuesday
## 321	-0.950912207	1.193580e-02	-3.90514014	15.97676479	July	wednesday
## 322	-0.476171555	1.062274e+00	-2.19844247	0.21940780	May	thursday
## 323	1.019605083	6.403109e-01	-2.33737859	13.01589077	Jun	wednesday
## 324	1.090417310	-9.669898e-02	-14.21232785	33.91246932	Jun	thursday
## 325	0.249379434	1.133519e-01	-4.44709545	-2.16558952	Aug	thursday
## 326	-0.929337012	-2.046073e+00	2.29619455	-4.16239614	May	wednesday
## 327	-1.436427788	-2.581269e-01	11.98863470	31.77844419	July	wednesday
## 328	0.949938836	-6.459170e-01	-2.33341401	6.29605309	July	wednesday
## 329	0.742513029	-1.225023e+00	-4.91032550	-13.21471278	July	wednesday
## 330	-0.274866057	4.806130e-01	3.77747164	-23.26961102	Mar	tuesday
## 331	0.510128533	1.281064e+00	-0.06409093	6.46491396	July	wednesday
## 332	2.029099161	1.359780e+00	-0.98654086	22.11008126	Jun	wednesday
## 333	0.695967500	1.550445e+00	-6.54827895	15.18604439	Jun	wednesday
## 334	0.808469231	-4.418327e-01	-8.37412796	1.52408606	Apr	thursday
## 335	-0.943822178	3.330317e-01	13.00411524	-27.09389511	July	thursday
## 336	0.319272825	-1.609456e-01	-2.45785621	-2.00874510	Aug	wednesday
## 337	-1.285218654	1.429309e+00	9.24872772	-4.33714199	Aug	thursday
## 338	0.091041328	4.261245e-01	-5.09341115	-1.92078950	Aug	thursday
## 339	1.980331290	1.385338e+00	0.12849345	12.40522869	Jun	wednesday
## 340	-0.080828145	-2.503648e-01	-8.66599540	-17.49461506	July	wednesday
## 341	-1.015535436	1.036349e+00	10.23034160	6.60244042	July	thursday
## 342	0.954523089	-5.727302e-02	-3.07686583	8.63858972	Aug	wednesday
## 343	-1.317157595	5.195932e-01	13.28623109	4.06545282	Jun	wednesday
## 344	0.411668036	-1.342547e+00	-16.30819856	-22.99596673	July	wednesday
## 345	0.949125799	-1.047829e-02	-3.42854905	11.85574588	Jun	wednesday
## 346	-1.307268165	5.254254e-01	6.17898489	12.12222171	Oct	tuesday
## 347	1.121232046	1.227928e+00	11.91443193	8.67755159	Apr	wednesday
## 348	-0.401352665	-5.503808e-01	8.49644966	-2.00137416	sept.	wednesday
## 349	-0.576148822	-1.702801e-01	0.98718329	-0.32341085	July	thursday
## 350	0.856075838	5.614815e-01	-3.24221698	8.57219484	Jun	wednesday
## 351	-0.109213753	-2.566580e-01	0.29250188	21.69443323	Jun	wednesday
## 352	0.909635864	-1.474055e+00	-7.42871343	-18.37183646	July	tuesday
## 353	0.134964352	-1.276112e-01	7.28222926	-15.11013693	Aug	wednesday
## 354	0.196587908	4.136734e-01	-2.42443516	2.41033515	May	thursday
## 355	-1.922012825	1.996463e-01	9.90761522	6.40541008	Aug	thursday
## 356	0.710238538	6.285405e-01	-4.93065591	16.27771418	Jun	wednesday
## 357	-1.302175440	1.302606e+00	2.31953780	-7.78576266	Jun	wednesday
## 358	-0.921399744	-7.314707e-01	-9.16801251	-0.70508053	July	tuesday
## 359	-1.861793123	3.512495e-01	2.41101540	15.51792961	July	thursday

## 360	0.145806619	-5.213525e-03	-3.46481092	9.72105187	May wednesday
## 361	-1.184802503	4.534547e-01	2.78800836	0.11489595	July wednesday
## 362	0.546484615	1.247142e+00	-15.47792626	-25.12405612	Jun wednesday
## 363	-0.653564883	1.580966e-01	8.25397536	6.82607117	Jun wednesday
## 364	0.788740280	2.874511e-01	8.51526753	-11.45204762	July thursday
## 365	-1.002067770	2.056576e-01	5.93335386	-15.83215442	Jun wednesday
## 366	-1.015352199	9.166425e-01	-4.03627761	-10.87734524	Jun wednesday
## 367	0.695771086	-1.079063e+00	-1.82902285	-16.90983094	May tuesday
## 368	0.063722365	6.045330e-01	3.16949447	-10.41836684	July wednesday
## 369	1.354342634	5.764293e-01	3.37327582	4.44268812	July wednesday
## 370	-0.189834237	-4.741492e-01	1.10697025	-7.96043206	July wednesday
## 371	1.233047446	7.029225e-01	14.86165100	11.92489520	Jun thursday
## 372	-4.654142818	4.516229e-01	8.24456300	-13.89977779	May wednesday
## 373	1.342703642	7.510355e-01	5.31596454	-2.17986214	Apr tuesday
## 374	0.086598063	6.544654e-01	9.68487056	7.87295125	Jun tuesday
## 375	-1.637085478	1.880351e+00	9.37807221	-17.26522599	sept. wednesday
## 376	-0.467726396	-2.890428e-01	-3.47764347	-26.45831521	Jun wednesday
## 377	0.535649217	-8.734989e-01	2.24843790	-17.73310391	Jun thursday
## 378	-0.228866082	3.869650e-01	-3.57331582	7.66492836	sept. wednesday
## 379	0.691495306	-1.288488e+00	-8.65707547	-19.10194816	May wednesday
## 380	0.911807361	2.870404e-01	-3.48808198	-9.03478385	Aug tuesday
## 381	0.915314831	3.722323e-01	-5.38050934	-32.80654185	sept. thursday
## 382	1.014038200	-9.927536e-01	-10.16814732	0.72082741	Apr thursday
## 383	-0.284957130	2.408058e-01	-10.98227628	25.61669960	Jun tuesday
## 384	-2.209633981	-1.025326e+00	7.62352521	-6.21629020	Jun wednesday
## 385	-0.424805409	-2.967602e-01	20.51071288	-26.16021685	July tuesday
## 386	-1.203665083	-8.234906e-01	2.23191907	17.01639997	May wednesday
## 387	-0.633426914	-5.127379e-01	-2.04461617	-8.69720522	May thursday
## 388	-0.777831486	1.633811e-01	-0.51622575	-4.46039727	July thursday
## 389	-0.902182457	-1.139780e+00	-0.98008787	29.39111579	May thursday
## 390	-1.886455499	7.697470e-01	-0.26285516	-21.42175044	July wednesday
## 391	0.680846722	-9.040906e-02	6.24285550	6.88766625	July wednesday
## 392	0.651333388	2.006549e+00	-12.80164819	2.63783969	Jun thursday
## 393	1.214956341	-4.651158e-01	2.03279639	-4.32857745	Jun wednesday
## 394	0.033157910	7.777049e-01	-8.54710017	1.20510271	Jun wednesday
## 395	1.550468682	2.105845e+00	-2.15159168	-17.80552413	Jun tuesday
## 396	0.851606550	8.150622e-01	2.84189834	-4.70963991	May thursday
## 397	-0.140796752	-1.155731e+00	5.32223798	21.60963076	Aug thursday
## 398	0.191711163	1.719351e-01	-7.23643388	-33.81189609	Aug wednesday
## 399	-0.351204753	-1.077688e+00	2.97070565	-36.50258717	July thursday
## 400	0.638356228	1.772897e-01	8.02227726	3.59318153	Aug wednesday
## 401	-1.137743581	-9.678709e-01	0.38038043	6.62319016	July tuesday
## 402	-1.106594838	-2.762211e-01	-3.26766322	-6.00386652	July tuesday
## 403	0.334641055	-1.855671e-01	4.04846537	-27.64397770	July tuesday
## 404	0.987590798	-2.196924e-01	-12.10362645	0.93022225	May wednesday
## 405	0.021005598	-4.786186e-01	0.54265440	11.83887467	July wednesday
## 406	-1.521340900	6.377434e-01	5.80729072	6.69204888	Aug thursday
## 407	1.622974367	1.896273e+00	0.18634955	-15.98936935	Aug tuesday
## 408	-2.486687962	-1.608245e-01	-9.31071818	-18.50783427	sept. wednesday
## 409	-1.035618836	4.192700e-01	-4.21300103	3.50851121	July wednesday
## 410	0.052576773	-3.223618e-01	4.32639915	13.08656877	May tuesday
## 411	0.024862534	-2.573001e-01	12.54110247	-15.70168309	May wednesday
## 412	0.308592534	-2.500574e-01	10.93844139	19.65228027	July thursday
## 413	0.192111072	7.878694e-01	-11.02005422	-11.05462300	Jun wednesday

## 414	2.723688694	-1.397992e+00	-4.80913711	7.89937924	Jun	thursday
## 415	-2.625378390	1.131526e+00	-10.08061929	11.57107589	May	wednesday
## 416	-0.114071466	2.229878e-01	-9.66128321	-3.66236517	Jun	tuesday
## 417	1.095078230	3.105166e-01	4.81508675	19.68875401	Jun	wednesday
## 418	0.093094386	-7.039588e-01	-6.67637371	1.00393427	May	wednesday
## 419	-0.504318789	-1.820900e-01	-8.39494918	-26.43354234	Oct	thursday
## 420	-1.538443911	-7.557711e-01	-9.50185035	10.54224607	Aug	tuesday
## 421	-1.432811989	7.452984e-01	3.78715431	6.84740455	July	wednesday
## 422	0.926259658	-1.310727e-01	5.28915617	-4.02720696	Jun	wednesday
## 423	0.138040763	1.311805e+00	10.29885258	-15.25662343	July	wednesday
## 424	0.760022971	8.129707e-02	-4.70409295	-2.07649705	May	wednesday
## 425	-0.151167691	3.732091e-01	-2.96822500	3.69696568	Jun	wednesday
## 426	0.561719892	-1.605515e+00	4.40212456	2.49636301	July	wednesday
## 427	0.117037293	-4.468452e-02	-1.28859814	17.66804720	July	thursday
## 428	0.892314128	6.989903e-01	-1.41104562	8.24148738	Mar	wednesday
## 429	-0.388714432	1.196846e+00	-4.20473794	32.24509763	Jun	tuesday
## 430	-0.831837899	-6.513229e-01	-1.68092330	-12.05232630	Jun	tuesday
## 431	0.134216587	1.723395e+00	-10.42637199	-4.04518959	Jun	tuesday
## 432	-1.825868602	-3.904756e-01	-1.33803312	-23.91102519	July	wednesday
## 433	0.443370022	1.312121e-01	-5.53760418	-21.97581025	July	wednesday
## 434	-2.125298830	-1.962152e-01	-4.40004502	-17.29547376	May	thursday
## 435	-2.064415810	-1.195729e+00	-2.65453281	-0.23192918	Aug	wednesday
## 436	-1.096996812	4.950415e-03	-7.88651991	3.42169228	sept.	thursday
## 437	-0.482457531	-7.622377e-01	-2.15139571	2.02662194	Aug	wednesday
## 438	1.941420776	-9.137404e-01	-7.51456209	18.94782652	Aug	thursday
## 439	-1.010004125	-5.305599e-01	3.19142464	-14.96402581	May	tuesday
## 440	0.204154061	-1.338430e+00	6.34791459	-10.00903054	July	wednesday
## 441	-0.655445954	1.434558e+00	15.57874045	-1.47495327	Jun	wednesday
## 442	-1.963210754	8.829256e-01	-16.85788492	-10.51152734	Jun	thursday
## 443	-1.615257857	-1.216481e+00	-4.41162539	4.19464879	Jun	thursday
## 444	-0.119945915	-1.082718e+00	4.46112800	0.37997102	Jun	friday
## 445	-0.807805013	-4.236987e-01	8.63303450	17.40444762	July	wednesday
## 446	-1.937351743	6.653821e-01	3.48944097	20.01993977	Jun	tuesday
## 447	2.441940229	-5.121390e-01	-13.67192627	-25.00181855	Aug	tuesday
## 448	1.438753373	-1.224038e+00	-1.13786192	14.58817511	July	wednesday
## 449	-0.092088430	-6.388943e-01	1.68944234	16.87185367	May	thursday
## 450	1.319654658	6.071300e-01	-3.50175894	13.98234821	Apr	thursday
## 451	-2.758031502	-6.183171e-01	-6.07632299	3.22711820	Aug	wednesday
## 452	0.573040205	-7.954068e-01	12.99290950	-2.18189076	sept.	wednesday
## 453	-1.817432922	5.197847e-01	4.78019938	-8.24845625	July	wednesday
## 454	-0.926059943	3.218782e-01	0.84866675	6.89298408	Jun	thursday
## 455	2.274715013	1.446569e-01	-2.94788984	11.49992565	July	thursday
## 456	1.228120657	4.450900e-02	6.27953259	26.22538084	Aug	tuesday
## 457	-1.606943810	-2.114536e-01	5.45453469	-10.43072278	Jun	wednesday
## 458	-0.866797201	1.783266e+00	12.57726608	12.23349522	July	wednesday
## 459	0.222916112	-4.881093e-01	-5.04158608	-2.47470523	July	wednesday
## 460	-0.890899935	1.816263e+00	-7.35995275	9.71285035	July	wednesday
## 461	1.186167911	-2.447077e-01	-10.30496179	-9.37674311	July	wednesday
## 462	2.457626897	6.200032e-01	10.46565975	-0.40324241	Aug	wednesday
## 463	2.386134330	2.898630e-01	3.83534989	-17.28106499	Aug	wednesday
## 464	-0.057263842	1.028641e-01	-5.93163484	2.96628942	Aug	tuesday
## 465	0.321585012	4.883834e-01	-5.46067430	23.01535759	Jun	wednesday
## 466	-0.868655133	-2.468320e-01	-4.13686675	26.20896803	Jun	wednesday
## 467	0.645574375	-1.956177e-01	2.80610444	-6.04573000	Jun	wednesday

## 468	1.672520946	1.911764e+00	-3.25985160	-9.01533715	July wednesday
## 469	1.046193370	9.155430e-01	1.76936377	-39.79937596	sept. wednesday
## 470	0.749747631	5.829586e-01	-1.32080885	-6.00580525	sept. wednesday
## 471	0.667129385	2.621188e-01	-4.87710781	-0.48441756	July tuesday
## 472	-0.241169066	7.289160e-01	12.20996157	29.39513021	July thursday
## 473	0.102463250	-1.443978e+00	4.55821121	-2.44627738	Aug wednesday
## 474	0.679752601	-1.109545e+00	-5.81038930	7.49591634	July thursday
## 475	-0.680257041	1.358892e+00	-5.66878126	23.40398142	May wednesday
## 476	-1.364630736	-1.036582e+00	8.59232307	-28.31624647	Jun wednesday
## 477	-1.281996490	3.643092e-01	-13.87881393	11.43112979	Jun wednesday
## 478	-3.647788448	1.537042e+00	-2.31758005	1.71310844	Jun wednesday
## 479	-0.295280675	1.108066e+00	-3.62366634	16.91909010	Aug wednesday
## 480	-0.907371109	4.835270e-01	3.16062657	14.39724611	May wednesday
## 481	-2.496013583	-1.185734e+00	-5.74451353	27.43551212	Aug tuesday
## 482	0.196591966	-2.201088e-01	-6.65789780	5.93626353	Aug wednesday
## 483	-0.366804317	-1.266442e+00	-13.32514754	-10.65006265	May wednesday
## 484	-0.436034844	-6.211666e-02	0.11695929	-14.61319308	May wednesday
## 485	2.609415055	5.157131e-01	-6.79416596	3.18027622	Aug tuesday
## 486	1.692286737	3.804005e-01	5.68529293	4.82025186	Jun wednesday
## 487	-2.163878335	1.196498e+00	14.02673615	4.37954144	July thursday
## 488	-0.920829513	-5.305171e-01	0.56465450	-3.17579074	July wednesday
## 489	-0.240548125	-1.821420e+00	-14.24365546	-16.49684597	Jun thursday
## 490	0.985106705	-3.316493e-02	-1.96696603	-2.66744110	July wednesday
## 491	2.132628903	1.520984e+00	-0.46074231	-2.46583236	May wednesday
## 492	2.219642423	-1.744882e+00	1.68268148	24.57578928	July wednesday
## 493	-0.044888580	-1.125296e-01	-4.97176010	-3.99478939	Apr thursday
## 494	-2.177010781	-9.284036e-01	-2.73200686	12.47505381	Jun wednesday
## 495	1.014402882	6.883423e-02	10.41662048	-18.94610790	Jun tuesday
## 496	-1.864389129	1.152792e+00	8.91834733	-4.94002372	May thursday
## 497	-0.731061054	-1.268464e+00	-9.37422571	-0.31035702	July wednesday
## 498	2.040041248	-5.505747e-02	4.96231266	22.13800197	May wednesday
## 499	0.043019471	-1.386441e+00	-7.40048775	-17.95458521	July wednesday
## 500	1.222862485	-1.648521e+00	2.14483493	-6.47452317	May tuesday
## 501	0.916067708	1.494758e+00	-4.57287003	-13.66090446	July wednesday
## 502	-0.607882595	8.401880e-01	-0.22677127	9.04904830	July wednesday
## 503	-0.247121293	-1.062956e+00	6.27718801	6.72450326	May tuesday
## 504	-1.250319641	2.621502e-01	3.15129175	9.38317852	Aug thursday
## 505	1.255959412	-1.559571e+00	-9.92509357	-5.35501592	Aug wednesday
## 506	0.085962609	-7.450621e-01	-3.61219393	12.24917226	Jun wednesday
## 507	4.149173715	-3.125952e-01	8.30397597	2.48505966	May wednesday
## 508	-0.752947143	7.597680e-02	5.23961126	2.46883105	sept. wednesday
## 509	-0.004215070	3.640016e-01	0.52611415	6.94981846	Jun wednesday
## 510	2.051869923	1.674455e-01	4.12451365	-3.86330108	Aug thursday
## 511	2.074213316	-9.058146e-01	-8.43514147	-3.28511968	Aug wednesday
## 512	-0.393001611	-5.879289e-01	-10.75725682	-13.87099059	July wednesday
## 513	-2.634746806	-1.537302e+00	1.70629177	11.00070634	Oct wednesday
## 514	-1.172349311	3.021787e-02	0.39572389	-24.17792359	July wednesday
## 515	-0.792453960	-1.429846e+00	-0.44473236	-21.12199682	July wednesday
## 516	-0.662279252	-7.462096e-01	0.34513268	17.11441466	July thursday
## 517	-0.709204073	1.921824e+00	-8.38686799	0.95148371	July wednesday
## 518	-1.129861818	-7.951926e-01	1.17356894	-0.35325651	May tuesday
## 519	-1.765195810	-6.942560e-01	-4.65693677	0.12928408	Aug wednesday
## 520	1.543812142	-1.191464e+00	13.82716708	-8.37655692	July thursday
## 521	-0.575902327	-6.906619e-01	9.31564116	4.59914817	Jun wednesday

## 522	0.956397527	1.248133e+00	-13.30410064	-5.10922459	Jun wednesday
## 523	-1.968791672	-6.606398e-01	-15.41794951	-18.29930226	Apr thursday
## 524	-1.435066418	5.758074e-01	-2.00744191	-25.56816232	Oct wednesday
## 525	0.945048706	-3.299325e-01	9.54996076	9.11331065	July wednesday
## 526	0.686061281	5.678393e-01	-3.75336325	-1.07668632	Aug wednesday
## 527	1.205119226	-4.211659e-01	-6.69877606	5.41915042	July wednesday
## 528	0.111543596	2.375160e-01	3.63042288	-3.13803590	July wednesday
## 529	1.051423351	3.906141e-01	4.45416176	26.06292993	July tuesday
## 530	1.040377314	4.272668e-02	-2.94394066	-0.23817657	May thursday
## 531	1.664108910	2.769489e-01	16.56966551	7.17498254	July wednesday
## 532	-0.001819199	-2.683071e-02	8.74333874	17.49850102	May wednesday
## 533	-1.201783771	-5.097070e-02	-7.00630338	12.80049546	Jun wednesday
## 534	-0.001165686	-1.848958e-02	11.94348134	32.25159293	Aug wednesday
## 535	-0.641790656	7.142156e-01	-8.42306914	-14.73888340	July thursday
## 536	0.091307016	1.083215e+00	-1.11431827	-20.40436618	May tuesday
## 537	-1.076042979	8.205273e-01	4.14613949	-25.79773735	July thursday
## 538	-1.404020277	-2.843447e-01	1.10766525	4.72481378	May wednesday
## 539	-1.930055738	3.385077e-01	11.25834160	-31.55211636	May wednesday
## 540	0.130462587	4.093492e-01	7.70621597	26.47922746	July wednesday
## 541	0.998867541	5.934423e-02	0.30898874	-17.16897725	sept. wednesday
## 542	-0.459664641	8.519650e-02	0.80981051	6.99984990	May wednesday
## 543	0.678918965	1.059268e+00	2.00449034	15.06571793	July thursday
## 544	0.244987613	-4.526426e-01	11.03526516	15.75674184	Jun thursday
## 545	1.906639304	-5.983883e-01	4.36789931	27.47087646	July wednesday
## 546	0.868799965	-7.659924e-01	-17.45737107	5.93332864	May wednesday
## 547	0.747819675	1.775926e-01	-10.22816743	0.58735451	July thursday
## 548	-1.782155575	1.077385e+00	5.00200704	-1.47975288	Aug thursday
## 549	1.181844627	-8.184973e-01	-8.89327949	-2.73940553	July thursday
## 550	0.353194382	-1.040845e-01	-10.13148087	22.08288702	Jun wednesday
## 551	-0.516035164	9.586761e-01	0.77373068	3.61216148	July thursday
## 552	-0.382830057	-3.965879e-01	-2.15217120	27.98854984	July wednesday
## 553	-1.683123235	9.640935e-01	-4.89283311	-8.41381283	Aug wednesday
## 554	0.586530748	-1.018256e-01	-5.97799162	20.35649481	Jun wednesday
## 555	-2.244849077	-8.751941e-02	-20.62304383	-1.11301307	Jun wednesday
## 556	-0.680484767	-7.329375e-01	8.27607096	-25.77731411	Jun thursday
## 557	-0.346644295	-2.366407e+00	-1.59077364	18.67802735	July wednesday
## 558	0.396014112	-7.570958e-01	3.48452535	-9.50563331	Apr wednesday
## 559	0.934738224	9.446216e-01	14.46775547	-2.88437596	July tuesday
## 560	0.732561061	-4.355676e-01	3.55199873	8.72063696	Jun wednesday
## 561	0.007739238	7.591837e-02	4.90444829	-23.73860193	May thursday
## 562	1.680604072	-8.122857e-01	3.86470356	-9.27254138	May thursday
## 563	-1.412611601	-4.421067e-01	-3.15525945	7.54236235	Jun wednesday
## 564	0.691479143	-1.111705e+00	6.24626922	-9.27146330	Aug wednesday
## 565	-1.295625065	-1.751823e+00	-4.64732576	-19.80185165	Aug wednesday
## 566	2.016990217	1.145621e-01	-5.98246408	4.71460270	July wednesday
## 567	1.296085671	3.551416e-01	-0.44713262	-13.39482130	July wednesday
## 568	0.974993592	-2.474788e+00	7.49871441	18.31981133	July wednesday
## 569	-4.007762994	-1.776598e+00	0.04581253	7.41470792	Jun wednesday
## 570	-0.090163252	6.660650e-02	-9.22112108	7.33196466	July tuesday
## 571	-2.901898047	9.982688e-01	-3.49374659	-2.96462308	Jun thursday
## 572	-2.500611899	4.380881e-01	-4.87153693	-11.67270317	July tuesday
## 573	2.165088717	2.090413e-01	-10.36317967	-12.16631916	Aug tuesday
## 574	-0.650139780	-3.791101e-01	14.31149979	2.91258408	Aug wednesday
## 575	0.323223055	1.580037e-01	-12.50725825	5.39970511	Jun thursday

## 576	-1.715283111	1.325127e+00	-5.77152916	-7.95697173	Aug wednesday
## 577	-0.999838482	9.654330e-01	-8.36858990	-21.63597734	sept. wednesday
## 578	-2.020179389	7.018954e-01	9.38390984	-12.69708166	Aug tuesday
## 579	-1.485583952	-6.723392e-02	-7.18834173	0.02800840	Nov thursday
## 580	-0.148109054	1.072457e+00	-5.89517200	3.48838210	July tuesday
## 581	1.234516562	9.340179e-02	-4.15070330	8.52975035	July wednesday
## 582	-0.187106435	9.157903e-01	4.33928729	1.68144675	Aug tuesday
## 583	-0.891530392	1.487359e+00	-1.45939986	-2.30136229	Jun wednesday
## 584	-0.891831812	-2.824014e-02	-2.74672941	25.27387846	Jun thursday
## 585	0.292695301	-6.795131e-01	1.74517081	-21.92128772	July thursday
## 586	-0.365726347	1.960891e+00	6.00929404	-0.46092666	Aug wednesday
## 587	-1.048523657	-4.959553e-01	9.28071084	-2.65679279	sept. tuesday
## 588	-0.662122187	-3.609573e-01	2.62814265	-10.50396427	sept. thursday
## 589	1.046930153	-3.620076e-02	-0.22376963	8.17135858	Aug thursday
## 590	-1.103134864	4.130863e-01	-2.34810600	3.96045212	Jun tuesday
## 591	1.089083815	3.764403e-01	8.94270650	13.56212471	July wednesday
## 592	-0.349352047	-5.851101e-01	-3.71806716	8.86455520	July wednesday
## 593	0.583267003	3.161044e-01	-0.48450078	5.64167040	Aug thursday
## 594	-0.580116800	5.160226e-01	6.51596595	9.02526490	Jun tuesday
## 595	-0.216308183	-9.345971e-01	-4.20104515	12.33964835	Apr wednesday
## 596	1.273952017	1.250254e-01	-5.21701474	4.24993308	Aug wednesday
## 597	-1.063916142	3.155674e-01	-2.20975601	-1.81611359	Aug wednesday
## 598	-1.202078836	-1.740748e-01	-6.65985137	-17.93006494	July tuesday
## 599	0.908051134	-1.356628e+00	-0.97700213	-31.60334239	July thursday
## 600	-0.721948476	1.469451e-01	6.25445926	-7.30718943	Jun wednesday
## 601	2.627650668	-2.399231e-01	2.12830787	-6.09315017	July thursday
## 602	2.394948251	-1.115693e+00	-6.11566577	-10.68874679	Aug wednesday
## 603	-0.360272702	-7.978849e-01	-12.63397424	4.33866341	July tuesday
## 604	0.042318056	-2.152656e-01	13.50442687	-23.47804873	Aug wednesday
## 605	-1.164635207	3.592747e-01	-10.01692809	10.10502583	May thursday
## 606	-0.115457900	8.020218e-02	7.41142696	-11.90929575	Oct wednesday
## 607	2.215895242	1.906153e-01	-4.65446033	35.30047503	July wednesday
## 608	1.455454359	-1.118026e+00	5.49650385	-22.51739186	July wednesday
## 609	-0.014825623	1.179230e+00	5.78317169	22.15491713	Jun wednesday
## 610	0.606130125	-1.007207e+00	-9.07062667	-1.31095825	Aug thursday
## 611	0.957386168	1.176609e+00	-4.43940615	-0.55137037	Jun wednesday
## 612	-1.495774770	1.427933e+00	-7.85846736	1.08978825	July thursday
## 613	-0.315082642	2.021389e-01	3.05522399	28.82188779	Jun tuesday
## 614	-0.438710030	1.195442e-01	12.59722389	-12.30925624	July wednesday
## 615	0.115003719	-4.914835e-01	4.15950013	-4.31529503	sept. thursday
## 616	0.678891830	-6.415121e-01	9.70557563	-15.73774072	July wednesday
## 617	-1.914889472	-5.842588e-01	-11.21944647	-1.43459008	July thursday
## 618	0.738652429	-3.124189e-01	-3.42617518	5.52828915	July thursday
## 619	-0.623246082	1.114941e+00	-1.95461899	7.13577524	July wednesday
## 620	1.958303409	1.085093e-01	-8.69421392	7.73863448	July wednesday
## 621	0.013223701	2.015441e-01	-0.47753979	-9.26370939	July wednesday
## 622	-0.756385918	7.392730e-01	5.38363325	-3.90841014	Jun wednesday
## 623	-2.247531877	-5.909115e-01	-8.37557018	-2.60877743	July wednesday
## 624	0.934678391	2.342851e-01	-3.47814702	-13.80914718	July wednesday
## 625	0.348470846	4.746121e-02	-2.58225622	-7.36975615	Aug wednesday
## 626	1.980300207	4.997785e-01	-3.84774691	-5.62938424	May thursday
## 627	1.908219455	1.416724e-01	-2.08193955	12.79206479	Aug tuesday
## 628	-0.284735405	1.085776e+00	-0.46990855	12.68638632	sept. wednesday
## 629	0.063336348	-5.418439e-02	-1.55468635	16.84357535	July tuesday

## 630	1.069737323	-4.452380e-01	14.17414232	11.65660915	July	wednesday
## 631	1.221578825	1.186055e+00	5.56015931	-3.20354516	Apr	wednesday
## 632	1.770835388	1.029368e+00	-7.35450985	10.25395502	July	wednesday
## 633	-1.230440488	-1.177269e+00	-7.66711423	-9.88990173	July	tuesday
## 634	1.021914761	6.107041e-01	2.24768248	-2.92142652	May	thursday
## 635	0.651436960	-5.290280e-01	14.07268431	-15.78935476	July	wednesday
## 636	0.891494462	9.346343e-02	-2.50078361	-6.06249720	Jun	tuesday
## 637	-1.539100056	1.321190e+00	-0.11384830	-13.73497826	July	tuesday
## 638	1.715341028	-1.908639e+00	-8.81047408	-24.52190051	July	wednesday
## 639	1.092357299	2.394317e+00	11.24700253	1.42661250	Aug	wednesday
## 640	0.532642006	-3.681179e-01	-0.58211078	10.99206787	May	tuesday
## 641	1.513545000	1.530923e-01	4.18924471	-16.69069495	Aug	tuesday
## 642	-2.840946362	-2.201047e-01	4.41596165	8.50277562	July	wednesday
## 643	-1.746086961	-6.660695e-01	-6.90217360	1.59605687	May	wednesday
## 644	-1.861142698	-2.737068e-01	4.68621780	8.99953877	July	wednesday
## 645	-0.394633876	1.129709e+00	-2.66952584	4.74634190	Aug	wednesday
## 646	0.680444522	1.188050e+00	5.63331792	32.39694136	Apr	tuesday
## 647	-1.126579417	-8.541170e-02	0.03030046	-1.21496444	Aug	wednesday
## 648	0.062056099	-1.573714e-01	-5.80362210	14.69052823	Jun	tuesday
## 649	0.634803216	4.862916e-02	5.33233275	11.13228848	Jun	tuesday
## 650	0.824997236	9.437280e-01	0.69751968	13.59949328	sept.	wednesday
## 651	-0.588916573	-7.232687e-01	0.72273341	7.31679643	Aug	wednesday
## 652	-0.740881480	1.158479e+00	1.95248184	16.50960334	July	wednesday
## 653	0.506689213	7.999022e-01	4.30834459	-12.37663196	May	thursday
## 654	1.388288658	1.806434e+00	1.49653524	12.51531572	July	tuesday
## 655	1.141535718	-3.320629e-01	-1.41849574	17.08616826	July	wednesday
## 656	0.330824433	2.274191e-01	-2.12101765	3.07650062	sept.	wednesday
## 657	0.187558420	-1.508993e+00	3.66290809	14.97172268	July	wednesday
## 658	-0.532059559	-4.616809e-01	3.78157567	5.61748738	Apr	tuesday
## 659	-1.142454362	-3.036338e-01	-19.22649307	-11.83988416	July	wednesday
## 660	-2.712015063	-4.004300e-01	-6.80839930	-1.74207097	Apr	wednesday
## 661	1.199783020	-3.723960e-01	6.73753395	-1.58541645	July	wednesday
## 662	-1.434521617	6.130275e-01	4.53243048	16.48625475	Jun	wednesday
## 663	1.465545828	-7.864691e-01	-4.71370825	7.37670855	sept.	tuesday
## 664	-0.161270080	-8.896682e-01	-3.26274296	-13.82769096	May	thursday
## 665	-0.545962583	-1.080938e+00	-0.09831911	21.77431671	Apr	wednesday
## 666	0.627664950	1.093543e+00	8.65402093	6.62867842	Aug	wednesday
## 667	0.507478671	4.394398e-01	-6.13625251	-2.72040399	July	wednesday
## 668	-0.123316502	-3.932708e-01	5.07256363	4.25002229	May	wednesday
## 669	-0.054476429	-5.827254e-01	0.70579396	-2.35518045	Aug	thursday
## 670	-2.178745946	-6.095731e-01	0.51221817	-5.84465252	Aug	thursday
## 671	-0.668602575	1.639438e-01	-5.53321263	17.34982839	Aug	wednesday
## 672	-1.318833808	6.663283e-01	3.60448398	-3.31067208	July	thursday
## 673	1.083760011	9.583057e-01	-7.93373571	-9.86398672	Jun	wednesday
## 674	2.600342788	-2.178785e-01	3.67250157	-16.90506038	July	tuesday
## 675	-1.691026299	-8.781791e-01	-3.92107656	24.67201510	Jun	wednesday
## 676	0.564722015	-4.611513e-01	-10.76155268	26.51396317	May	wednesday
## 677	-0.095388644	6.202973e-01	7.54177254	8.79747009	Aug	wednesday
## 678	-2.396078043	1.644682e-01	1.38812450	3.54572836	May	wednesday
## 679	-1.332087330	7.139527e-01	6.49132454	-9.21923157	July	wednesday
## 680	1.947388941	5.755064e-01	-3.89467490	7.48444955	Aug	wednesday
## 681	-0.136323648	-1.496719e+00	-0.63948815	-11.70091092	Apr	thursday
## 682	1.655788039	-4.717932e-01	-8.50267479	20.50325347	Aug	wednesday
## 683	-2.099597575	4.455663e-01	-6.71882357	-22.86932288	Jun	tuesday

## 684	2.283039395	9.111689e-02	-8.99910929	0.87041106	July wednesday
## 685	0.524428125	-8.143793e-03	4.89963219	1.47991708	July wednesday
## 686	-0.006581122	1.616137e-01	0.21630008	2.82999354	July wednesday
## 687	-1.255490795	1.732935e-01	-1.48127644	-2.98811980	July thursday
## 688	0.275487891	-1.459090e+00	-2.46771197	-25.58901188	Jun wednesday
## 689	-0.925297053	-3.203612e-01	-3.04641006	0.90264674	Aug thursday
## 690	0.396774918	-7.487336e-01	-0.75974320	9.45213659	Jun wednesday
## 691	-0.010252002	3.142954e-01	-0.25749905	11.71280948	Jun thursday
## 692	-0.373731327	8.859985e-01	12.47188853	8.10893921	May wednesday
## 693	-1.283902317	-3.742787e-01	-5.59704584	-3.20841841	July wednesday
## 694	0.136873541	-2.939192e-01	8.56649262	26.29393828	sept. tuesday
## 695	-0.346282650	-5.580465e-02	13.91599027	2.99482980	July thursday
## 696	0.767631023	1.086106e+00	-0.51022874	-20.05751734	Jun wednesday
## 697	-1.106671882	-2.284233e-01	-9.57695025	-4.29577306	July wednesday
## 698	0.056601467	5.916796e-01	1.59783653	21.06044627	July thursday
## 699	0.769508101	7.591408e-01	-6.50016136	21.93096696	Aug wednesday
## 700	1.625107425	-1.167013e+00	-2.31710069	8.06812916	May thursday
## 701	-3.234949642	5.277739e-01	-8.78344359	-16.21311067	July wednesday
## 702	0.671931203	5.865615e-01	-1.58454361	20.46213875	Jun wednesday
## 703	-0.644675164	5.560358e-01	0.71176184	11.44980416	Aug wednesday
## 704	-1.140155231	-3.635275e-01	-2.65154590	2.76123318	Jun wednesday
## 705	-0.879095474	1.005602e+00	-1.66759739	7.63020507	Aug wednesday
## 706	0.071165193	1.003146e+00	13.00526952	-17.41169376	July tuesday
## 707	-0.989413644	1.283599e+00	4.88098791	2.01488928	July thursday
## 708	0.755554177	-8.893342e-02	-3.73527313	9.98634557	Jun wednesday
## 709	-0.819856562	1.525867e+00	1.68707732	15.50552835	July wednesday
## 710	1.393873360	6.597605e-02	-4.69257891	6.54401435	July tuesday
## 711	-0.523159472	1.184247e-01	5.40132672	-7.87531617	Jun wednesday
## 712	0.268323230	-1.508073e-01	-3.73162855	14.17065419	July tuesday
## 713	0.951416380	-1.355183e+00	-0.29662934	3.72794299	Aug wednesday
## 714	-1.169924253	-1.511426e+00	2.85471556	-8.86948159	Aug thursday
## 715	-1.086056271	3.814791e-01	9.04400812	3.63023091	Mar wednesday
## 716	1.700151701	-3.569962e-01	-0.97472184	27.57554753	July tuesday
## 717	-0.166823514	4.553974e-01	-4.58115891	-33.11407890	July thursday
## 718	-0.554875913	-8.226966e-01	-4.65122957	12.11865493	Jun wednesday
## 719	2.201550815	1.120281e-01	-0.44967357	-5.32112045	July tuesday
## 720	-0.137479756	-5.954169e-01	3.27614256	10.40193786	July tuesday
## 721	-0.148289733	6.146814e-01	4.22621231	-10.63036195	Aug wednesday
## 722	1.501747492	-7.180086e-01	-2.18343667	10.29912666	Aug wednesday
## 723	-0.535531106	7.822034e-01	2.63969848	-8.20704860	July wednesday
## 724	-1.163221551	2.351876e+00	-16.13960681	-8.53934128	Jun wednesday
## 725	1.661412560	1.863985e-01	-0.23711752	-6.42340199	May wednesday
## 726	-0.790021914	1.103550e+00	-7.00513196	14.87219211	Aug wednesday
## 727	-1.676598219	-6.888748e-01	-0.84953214	4.03565443	Jun wednesday
## 728	-0.584255873	5.708568e-01	5.31926951	-5.06939293	Jun tuesday
## 729	-0.837293133	-1.651522e-01	12.99627105	3.18773384	May tuesday
## 730	0.833415126	-4.613758e-01	-0.52335860	12.50197378	Apr wednesday
## 731	0.487842674	3.100025e-01	-6.30370960	21.64258308	July wednesday
## 732	0.109830754	-1.086455e+00	8.91997423	6.81362777	May wednesday
## 733	-0.650578570	1.074779e+00	0.51812500	-6.13207773	July wednesday
## 734	0.690372073	-1.128764e-01	-5.37693144	-28.20675798	July wednesday
## 735	-0.427843355	-2.347376e-01	-5.63342058	-0.35334040	Jun thursday
## 736	0.441005322	3.002333e-01	4.87049886	34.49814653	Aug wednesday
## 737	1.087936847	7.199527e-01	-6.69815123	12.03466056	July wednesday

## 738	-0.333088202	-7.295910e-01	-5.18425945	2.40677719	July	thursday
## 739	0.493591705	-1.964612e+00	12.45788411	16.33226204	Jun	tuesday
## 740	-1.355808930	3.364826e-01	1.80718333	-7.40076541	July	thursday
## 741	-0.315506034	-8.377973e-01	8.14602336	22.53267680	Aug	thursday
## 742	0.193251840	-1.165349e+00	-6.84437744	15.68087935	May	thursday
## 743	0.769358662	-3.870588e-01	-2.51055465	-3.12759408	Jun	wednesday
## 744	-2.072389147	1.081801e+00	8.15570473	-13.67545733	sept.	wednesday
## 745	-1.256090232	6.307384e-02	16.57960969	8.27278942	Jun	thursday
## 746	-0.531528788	-5.754997e-02	4.18998287	-4.58219913	Apr	thursday
## 747	-2.630033645	4.509909e-01	-6.36330306	-7.00912693	Jun	thursday
## 748	1.028123409	-3.152346e-01	-12.32680376	11.73876680	Jun	wednesday
## 749	-1.632999741	-4.631836e-01	5.73070678	31.84415575	Jun	tuesday
## 750	0.697627053	-1.239600e+00	8.69714052	5.43491661	July	thursday
## 751	0.962918756	5.746714e-01	3.15285591	-6.56059196	Aug	wednesday
## 752	-0.941871568	1.324888e+00	3.45652678	-6.66300901	July	tuesday
## 753	-0.861115365	3.915843e-01	1.18571367	20.46027216	Jun	thursday
## 754	0.136432952	-3.170950e-02	-0.26076544	-21.33921629	July	wednesday
## 755	0.557051563	-1.893296e+00	-0.39376833	-11.95799031	July	wednesday
## 756	0.825423417	1.981553e+00	0.77975818	-4.49670006	Oct	thursday
## 757	-0.932604189	7.249116e-02	10.48996591	-32.84249229	May	wednesday
## 758	1.008798745	-8.447462e-01	-0.42652265	-0.29758482	Apr	thursday
## 759	1.595134127	-6.793567e-01	-10.93640429	-15.32313116	July	wednesday
## 760	0.764395498	-8.663117e-01	-4.90424217	15.47276624	Aug	thursday
## 761	-0.781937032	-8.705422e-02	11.57148329	-15.10089993	July	tuesday
## 762	0.116012995	6.875020e-01	-3.66308314	-20.83918694	Jun	wednesday
## 763	-0.043221847	-2.300394e-01	10.69019428	13.25385448	sept.	thursday
## 764	-2.722252099	-9.213033e-01	10.18381015	0.51054151	July	wednesday
## 765	0.408700431	1.590842e+00	12.19360193	-39.55605265	Jun	wednesday
## 766	0.078623518	-2.877088e-01	6.30321902	9.26430044	Apr	wednesday
## 767	0.288171048	7.194090e-02	-2.12327529	25.39904828	sept.	tuesday
## 768	-2.446408470	-8.994796e-01	5.48310907	16.23061081	Aug	thursday
## 769	0.230875759	1.263051e+00	-0.91377549	1.45177737	July	tuesday
## 770	-0.365793488	6.295860e-01	-6.32296944	-3.12043980	sept.	wednesday
## 771	0.119906982	-5.947862e-02	0.26191358	-1.60088323	Jun	wednesday
## 772	-2.107122856	8.273005e-01	15.34457957	-5.34227392	May	thursday
## 773	2.126430151	1.865239e-02	5.35705180	-3.18663329	Jun	thursday
## 774	-0.911697176	3.368923e-01	6.04901528	-11.44248009	Jun	thursday
## 775	-0.024327522	-1.609571e+00	-7.47184666	-21.80776190	July	wednesday
## 776	0.614140234	-8.751509e-01	6.97282047	-3.57515244	sept.	wednesday
## 777	-0.724032447	-1.394298e-01	-1.53867878	11.16691776	July	wednesday
## 778	0.953836803	2.201929e-01	-4.99688825	6.30974093	May	wednesday
## 779	1.427788959	6.061981e-01	1.74355251	-17.94768770	Aug	wednesday
## 780	-0.985763980	1.586959e-01	-2.65072968	21.55520604	Jun	wednesday
## 781	0.967561272	1.661313e-01	-4.53899405	-11.92801553	Oct	tuesday
## 782	-1.045156947	5.473901e-01	0.61925599	-7.66244398	Jun	wednesday
## 783	-0.593600623	-2.178082e-01	-6.29434485	26.86811702	July	thursday
## 784	0.425062243	-9.478031e-03	3.51979040	-2.26691282	Apr	wednesday
## 785	0.688624216	-9.509917e-01	-2.24615465	17.75753836	Jun	tuesday
## 786	1.226001031	5.223351e-01	-4.83495049	-1.45476847	July	tuesday
## 787	-1.328805784	2.824501e-01	1.69387248	17.68647001	July	wednesday
## 788	-0.102473078	-9.865162e-01	9.21361174	-20.90466402	Aug	wednesday
## 789	-2.987443517	4.493263e-01	-0.12956084	-13.15986174	July	wednesday
## 790	-0.195604078	-4.132544e-02	-10.36087383	9.37291736	July	wednesday
## 791	0.892407127	-2.340372e-03	-2.75465378	5.88119609	Jun	tuesday

## 792	-2.192945535	-6.661351e-01	-7.13670753	-13.77350369	May	thursday
## 793	-0.354324193	-7.781220e-01	-7.11587259	2.46161989	May	tuesday
## 794	0.035018406	1.132792e+00	2.69563659	-1.15818264	Apr	wednesday
## 795	1.098735739	-6.495287e-01	-4.41847788	-10.80473846	Aug	thursday
## 796	-0.426801858	5.224862e-02	-9.81125099	-11.94266637	July	wednesday
## 797	1.574240133	6.495436e-01	-8.56463780	-10.66145817	Aug	wednesday
## 798	1.391817810	1.359712e-01	-4.41150082	-10.96759134	Jun	wednesday
## 799	-1.749744920	-4.150002e-01	9.52537713	-19.44238913	July	tuesday
## 800	-1.194192248	-3.034762e-01	14.60750847	-9.51170515	Aug	thursday
## 801	0.284510330	-9.932995e-01	1.93794553	12.67094644	sept.	wednesday
## 802	0.064563283	-8.810394e-01	-16.49071035	2.13459757	Aug	thursday
## 803	0.151163473	-8.979409e-01	2.93625639	0.45240781	Jun	wednesday
## 804	-0.977626904	-4.429049e-01	-1.29841732	-18.83254075	Jun	wednesday
## 805	-0.365590523	7.671184e-01	-2.98925275	8.53170748	July	wednesday
## 806	-2.204765073	1.052189e+00	-6.19691671	-2.80506993	May	wednesday
## 807	1.074052903	-5.024627e-01	-9.87077215	18.03651740	July	wednesday
## 808	-1.754232116	-5.695630e-01	-4.72502011	-6.26609233	Jun	tuesday
## 809	-0.316842903	-1.462498e+00	13.12030535	-21.03321778	July	wednesday
## 810	-0.843469617	-3.033881e-01	-0.96539378	-22.41606150	May	wednesday
## 811	-1.817150598	1.835062e-01	-2.63931696	12.47808504	May	wednesday
## 812	1.464657336	-8.652730e-01	-3.95983529	3.35638772	Aug	wednesday
## 813	-0.078117482	-1.473520e-01	-0.65685398	-9.73403406	July	wednesday
## 814	-1.921086855	5.987477e-02	-1.70586469	-10.26445518	Jun	wednesday
## 815	-0.930142805	4.290041e-01	6.90921150	-4.84964478	July	wednesday
## 816	0.452557560	1.366564e-01	9.41203495	3.91424925	Jun	wednesday
## 817	-2.230657165	-4.401701e-01	-4.53758465	10.75923509	Aug	thursday
## 818	0.422800083	-5.133595e-01	6.90096826	18.06643616	sept.	wednesday
## 819	0.986198097	-1.850404e-01	12.31183422	-15.98914126	July	tuesday
## 820	-0.992984232	-2.783287e-01	5.44633495	-6.59664730	May	wednesday
## 821	-1.352268732	6.750901e-01	3.70843118	-14.33247206	Aug	wednesday
## 822	-1.733425294	5.682331e-01	-10.78653977	1.04667133	Oct	wednesday
## 823	-3.122025236	-1.040424e+00	-6.05794065	-4.15161764	Apr	wednesday
## 824	0.746605312	9.542730e-01	-5.90422849	2.66673029	Aug	wednesday
## 825	-0.411837305	-1.486318e+00	-2.38280850	5.51214671	Jun	wednesday
## 826	-1.304778872	1.268418e+00	-12.21402519	10.36690314	Jun	wednesday
## 827	-0.094665809	-1.077177e-01	-3.70475466	5.03005464	Jun	thursday
## 828	2.128656266	-1.650631e+00	-3.13357243	11.58739627	May	wednesday
## 829	1.675254014	2.685388e-01	-8.95405926	12.87374925	July	wednesday
## 830	1.998439928	-2.267450e+00	0.65415656	8.11140980	sept.	wednesday
## 831	-1.502574262	-1.238454e+00	-16.11926773	-14.18177931	May	thursday
## 832	-0.774630093	4.463219e-01	8.99909293	-17.36889575	July	thursday
## 833	-1.075544458	7.680163e-01	-3.31396381	-4.64942688	Jun	wednesday
## 834	-1.914850960	1.051691e+00	4.38167459	14.87881481	May	wednesday
## 835	-0.438499824	9.361937e-01	2.72920110	-21.76742012	Aug	wednesday
## 836	1.419766388	-2.224150e-01	3.60709013	3.19808149	Jun	wednesday
## 837	0.412590097	-9.785121e-01	-4.79281775	17.85967063	July	thursday
## 838	-2.434283898	-9.111193e-02	17.57973643	4.47249272	Jun	wednesday
## 839	-0.195960937	1.128376e+00	-5.29127779	1.94843441	Jun	thursday
## 840	0.595041771	3.874188e-01	12.77528650	18.22844713	July	tuesday
## 841	0.162251409	1.279354e+00	5.46824979	2.73355125	May	wednesday
## 842	2.209012117	5.937595e-01	7.93876502	-20.05969831	July	tuesday
## 843	-0.348767403	1.966572e+00	8.74471545	-2.25831940	May	wednesday
## 844	-1.091457932	-2.171109e+00	-7.94141964	6.96371054	Jun	wednesday
## 845	-0.263065177	-1.140693e+00	7.15326372	-12.46766677	Apr	wednesday

## 846	-0.845557752	3.055716e-01	7.21419201	9.10103589	Oct	wednesday
## 847	-0.078392030	-1.023635e-01	3.06647957	-18.79235857	May	tuesday
## 848	1.377587197	-8.002343e-01	3.14406167	8.15720534	July	tuesday
## 849	-0.458614599	-3.057734e-01	-6.66031277	3.51469669	Jun	wednesday
## 850	0.102419046	1.646027e+00	-6.90377527	-3.21056142	sept.	wednesday
## 851	-0.277858134	7.341094e-02	-8.41152160	4.96820561	Jun	wednesday
## 852	-1.505400330	-6.218335e-01	-0.40073105	6.93250639	Jun	tuesday
## 853	-1.720976770	1.585891e+00	-1.93605342	6.11921156	July	wednesday
## 854	-2.102383012	-1.197303e+00	-14.26447322	13.27244475	July	tuesday
## 855	0.065185255	-9.086948e-01	-7.36932198	-7.62799524	Jun	wednesday
## 856	0.447523342	-1.421279e+00	1.48886393	19.52288982	July	wednesday
## 857	-0.414148861	1.502359e-01	3.25577587	11.96875548	July	wednesday
## 858	1.701410205	1.341681e+00	-3.16226840	5.49025897	Aug	wednesday
## 859	1.784114800	9.618663e-01	-0.08395409	-12.87779252	July	wednesday
## 860	0.329675803	-8.417475e-01	1.92629677	-24.75003873	sept.	wednesday
## 861	1.524440620	-3.285779e-01	9.38374046	-8.28383408	Jun	wednesday
## 862	-1.019387607	-7.335199e-01	-4.30836716	26.39753740	sept.	wednesday
## 863	1.557625044	9.438754e-01	2.05432559	-7.11262895	May	wednesday
## 864	0.358776533	-1.053081e-01	-16.42395472	31.50046382	Apr	tuesday
## 865	-0.067278811	5.766382e-01	2.56256403	-29.16450735	Apr	wednesday
## 866	0.789537330	8.420003e-02	0.77300219	19.73289431	Aug	wednesday
## 867	1.753069116	3.187763e-01	0.24968707	-7.69387878	Jun	thursday
## 868	1.523713567	1.495941e+00	-7.21366576	0.04576227	July	wednesday
## 869	0.020204457	-2.485721e-01	4.62116490	17.81321015	July	wednesday
## 870	2.649601036	1.707183e-01	-7.53723888	6.95175715	July	tuesday
## 871	-0.340316709	1.366241e-01	2.13017266	5.11067361	May	wednesday
## 872	1.448496308	4.024867e-01	-11.42584355	17.99200081	sept.	wednesday
## 873	-0.293236528	1.107320e-01	6.03039531	9.61536816	July	friday
## 874	-0.125393843	-1.383362e+00	0.99887406	-4.47243859	Jun	wednesday
## 875	0.898787710	-2.071358e-01	1.62015176	7.94825890	July	wednesday
## 876	2.158272278	-8.628300e-01	3.99436396	-19.46543913	July	wednesday
## 877	-0.291141021	-5.791682e-01	7.72649127	7.52398169	July	wednesday
## 878	-1.447519383	-4.827945e-01	3.71556568	-10.07913163	May	thursday
## 879	-1.343680663	1.696763e-01	2.22343142	-12.23434265	sept.	thursday
## 880	-2.549482413	7.265842e-01	-1.62360422	20.14560991	July	tuesday
## 881	-0.190346245	-1.074218e+00	-2.19473829	21.31154105	July	wednesday
## 882	-1.965123694	-3.854219e-01	-1.16700182	-0.29346583	sept.	thursday
## 883	-0.798374062	4.290192e-01	-6.73599758	11.43259569	May	tuesday
## 884	0.492991820	1.302624e+00	-5.31383419	20.00765041	Aug	wednesday
## 885	0.118405926	3.269449e-01	-6.16835582	-13.22997816	July	thursday
## 886	0.570502026	-2.795227e-01	6.40385983	3.22883104	Jun	thursday
## 887	-0.965410015	1.045040e+00	-11.36970078	15.43836764	May	wednesday
## 888	-1.688784193	-4.023648e-01	-2.35837161	-4.31831057	Jun	wednesday
## 889	0.719759970	8.754703e-02	10.11645391	-17.62156473	Jun	wednesday
## 890	0.708717293	-4.347498e-01	3.93906671	16.22191777	Aug	wednesday
## 891	2.972322311	-7.356566e-01	-10.92352331	7.92162960	sept.	wednesday
## 892	-1.068451349	3.893103e-01	-7.11920986	-1.63255703	July	wednesday
## 893	-0.109967029	-1.911459e-01	0.05445609	39.93390578	July	wednesday
## 894	0.672642927	-1.003449e+00	8.75343875	36.59717764	July	wednesday
## 895	1.942992079	5.819758e-01	2.43773940	6.52027614	Oct	wednesday
## 896	0.555368539	-2.423276e-01	-6.74866520	-17.95257879	Jun	wednesday
## 897	1.723269095	1.101529e+00	9.23674793	13.71437314	July	wednesday
## 898	0.072147531	1.032543e-01	1.50723844	8.90397697	Jun	wednesday
## 899	-1.448601854	1.028734e+00	1.48082491	-11.23203432	July	wednesday

## 900	1.647103978	3.298489e-01	-2.21914715	6.23428257	July	thursday
## 901	0.835514043	-2.744247e-01	0.61023063	-7.52976060	July	thursday
## 902	1.450869276	-1.277724e+00	-0.35120858	19.88645736	Nov	tuesday
## 903	-1.273229014	-1.237805e+00	-2.82294292	-24.01818089	Oct	tuesday
## 904	-1.219073158	-4.734517e-01	-8.96922912	22.05479012	May	wednesday
## 905	-1.805574264	-2.698404e-01	-3.41893833	-2.34108141	Apr	wednesday
## 906	-0.263464432	8.753308e-01	-4.41905649	5.33647398	Aug	wednesday
## 907	-0.536091484	-5.211819e-01	-1.25078664	-7.29846396	sept.	thursday
## 908	-0.366660064	-5.794327e-01	-9.43905956	-3.82888685	July	wednesday
## 909	0.106391337	6.900815e-01	-4.91574600	2.83495889	Jun	wednesday
## 910	-0.298471268	-6.789090e-01	1.30223746	16.75787250	May	thursday
## 911	-1.673559365	1.281159e+00	-3.81699578	3.61659572	Aug	wednesday
## 912	-0.680339232	-8.530724e-01	4.96816219	16.50887080	May	wednesday
## 913	-0.189611675	-5.396679e-01	-4.83347951	-21.10123821	Aug	wednesday
## 914	2.014039223	-2.551878e-01	1.66296562	-28.43876839	May	wednesday
## 915	-1.107885913	3.496354e-01	-1.48537453	-6.02349347	May	wednesday
## 916	-0.970583446	-1.217784e+00	7.72118837	21.01341981	May	wednesday
## 917	-0.200939441	-4.718589e-01	-2.49708939	-0.37567852	Jun	wednesday
## 918	-1.505242318	-1.032262e+00	-8.86087910	-10.89874083	Jun	wednesday
## 919	-1.551395176	-1.254080e-01	-3.13053005	15.02095594	July	thursday
## 920	0.769935731	-1.142838e-01	2.13516443	-20.02847623	July	wednesday
## 921	0.873003473	-9.981541e-01	-4.77833310	10.75866987	May	wednesday
## 922	0.102530898	-1.857164e-01	-8.20408678	16.02971048	Jun	tuesday
## 923	2.209362766	5.199152e-01	2.11132853	11.76555813	July	wednesday
## 924	1.485980359	1.102655e+00	1.29264764	-7.27792837	July	wednesday
## 925	0.370371177	-1.026475e+00	8.49177130	2.74813261	Jun	wednesday
## 926	0.925720687	-2.706158e-01	0.63365487	24.18549231	Aug	wednesday
## 927	1.451976230	1.863513e-01	0.03199501	-33.75284133	July	wednesday
## 928	0.384421250	-1.127424e+00	14.23148098	-17.56960083	Jun	wednesday
## 929	-1.025844460	-2.636515e-01	-1.25777059	-0.76096240	Aug	wednesday
## 930	1.672705243	7.393216e-01	5.64482602	-15.89569372	May	wednesday
## 931	-1.260096953	-1.251525e+00	-3.94588015	-13.35295547	May	wednesday
## 932	1.542201708	-5.029979e-01	14.54405565	-31.36242094	May	wednesday
## 933	-0.489209154	3.527916e-01	-6.64219335	12.65602678	Aug	wednesday
## 934	-0.940907017	9.965186e-02	4.08327933	-3.38368930	Oct	thursday
## 935	0.216122384	-1.347717e+00	14.75589565	-18.71823370	Apr	wednesday
## 936	-0.033807366	1.101217e+00	-7.75851377	-20.31620177	Jun	wednesday
## 937	0.495667996	-1.344236e+00	5.47339702	23.50560419	July	tuesday
## 938	-0.244897480	1.992468e-01	8.13111439	1.29307426	sept.	thursday
## 939	1.257104333	-1.392770e+00	-10.91731152	-2.51676732	May	wednesday
## 940	0.702283158	1.083921e+00	4.39368278	-1.57522891	May	wednesday
## 941	1.394369403	-8.822928e-01	-1.65130645	-31.52816115	July	wednesday
## 942	1.920666545	-1.510224e+00	-4.49164928	-24.98676548	sept.	wednesday
## 943	-0.226938953	-1.535610e-01	0.39411267	-12.10811874	July	wednesday
## 944	0.299237621	7.994241e-01	-12.04335297	-3.15583481	May	wednesday
## 945	-2.388410005	-6.438154e-01	2.31145726	26.49502295	July	tuesday
## 946	0.641805945	-1.854858e+00	7.42250445	-21.44647424	Aug	wednesday
## 947	1.008564615	-2.695460e-01	-4.97512380	0.81683682	July	thursday
## 948	-1.395916597	7.608210e-02	-5.40911493	-0.19510005	July	tuesday
## 949	-0.066274875	-6.227101e-01	9.65822368	-9.56092159	July	wednesday
## 950	-1.406651308	2.945668e-01	17.52198761	-1.21718071	Aug	wednesday
## 951	0.712742400	1.974114e-01	2.11603691	21.02864275	Aug	wednesday
## 952	-1.381405666	-5.478612e-01	1.20106277	6.70902875	July	thursday
## 953	0.163688533	-1.403223e-01	6.20528592	-19.49904895	May	wednesday

## 954	0.471505332	-6.492551e-01	0.37578066	-14.42139602	Aug wednesday
## 955	-1.735869293	-7.848344e-01	6.06061883	-6.91737464	Aug wednesday
## 956	1.072986038	-1.388392e+00	8.51103111	19.04636050	Aug wednesday
## 957	-1.097971966	-2.874880e-01	-0.75922972	1.23488920	May wednesday
## 958	1.777322606	6.270153e-01	-10.96709438	-9.01929690	Aug wednesday
## 959	-1.014802300	1.576822e-01	0.27658817	-9.03908887	May wednesday
## 960	-0.385173452	1.763077e-01	0.56576057	-6.27643677	May wednesday
## 961	-0.538650590	5.831963e-01	-2.43135832	1.74243582	May wednesday
## 962	1.772185872	1.741707e-01	-3.95985980	-3.42055770	Jun wednesday
## 963	0.207844819	2.644126e-01	-0.52010882	2.96444535	May thursday
## 964	-0.269992780	8.290645e-01	6.72591030	-7.29138140	Aug wednesday
## 965	-2.401167135	-9.387946e-01	0.03751016	-24.80121021	Jun wednesday
## 966	0.249434597	3.051774e-01	9.29426938	28.01792126	May wednesday
## 967	0.669757694	-5.797846e-01	-3.15669451	-4.45156347	July thursday
## 968	0.102647287	-7.525618e-01	-13.12668544	0.28444461	Jun wednesday
## 969	1.801265909	1.630757e-02	-7.43134845	22.46434367	Aug tuesday
## 970	0.860361284	-8.457551e-02	10.64856863	-6.05563532	July wednesday
## 971	-0.444534147	-3.219616e-01	0.43792433	-18.97430555	Jun wednesday
## 972	-0.710895198	-4.695375e-01	7.73753755	11.70327453	Jun wednesday
## 973	-0.319900250	-1.126673e+00	-5.02347781	0.96500655	Jun wednesday
## 974	-0.662538130	1.560111e-01	-0.35745453	-3.63067326	Jun wednesday
## 975	1.692247219	8.360803e-01	-0.14203614	13.39274694	May wednesday
## 976	0.097306582	1.343348e+00	0.89878986	3.26304323	Jun wednesday
## 977	0.388789571	1.099219e+00	0.81439941	-19.91883215	July tuesday
## 978	-0.819676365	-3.807822e-01	-4.54580132	-1.85060024	Jun wednesday
## 979	-0.543440333	1.508364e-02	4.73679321	8.97533093	July thursday
## 980	0.575089521	8.851284e-01	-19.56270523	15.23016052	Apr wednesday
## 981	0.073105931	-8.590561e-02	-5.92432292	13.65148941	May wednesday
## 982	-2.103433850	2.859916e-01	13.19281827	-4.42749867	May thursday
## 983	0.781323027	3.214801e-01	9.76175294	23.14798309	sept. tuesday
## 984	-1.886335758	-6.567648e-01	-1.03306442	5.97286536	May wednesday
## 985	0.896932808	-3.829080e-02	7.87749342	-0.43525114	July thursday
## 986	-0.018518703	4.852536e-01	-1.96189669	-6.53620602	Jun wednesday
## 987	-2.552997600	-9.874812e-01	-6.06597783	-9.92738636	Jun wednesday
## 988	1.034078671	-5.680136e-01	1.21592156	2.65347563	Aug thursday
## 989	-0.268941647	-2.325708e-01	2.52691196	6.89920572	Aug tuesday
## 990	-1.127033282	7.994242e-01	-3.22568835	0.29055102	July wednesday
## 991	-0.667775058	5.019814e-01	-0.96715699	-4.07319614	May thursday
## 992	0.262104021	4.650122e-01	-4.51920604	7.10916920	Aug tuesday
## 993	-2.160593407	-6.268489e-01	2.73713559	-12.09626259	July wednesday
## 994	-2.493639806	-5.589657e-01	-16.13654271	8.76675029	sept. tuesday
## 995	2.057949947	3.704942e-01	0.02996097	-6.79500311	July wednesday
## 996	1.682245015	1.151189e-02	-10.11554763	-8.30056068	Oct wednesday
## 997	0.265495309	-9.104864e-01	-1.55926624	-2.86457783	Jun wednesday
## 998	-0.880595235	-5.408921e-01	-5.69563676	10.58439811	July wednesday
## 999	1.122897595	6.198350e-01	3.39236341	-21.36879235	July wednesday
## 1000	-0.964035975	-1.257166e+00	0.27222197	4.96610643	May wednesday
## 1001	0.001527452	5.770318e-01	-0.72656809	-17.08558902	July tuesday
## 1002	1.158818993	-1.139347e+00	-6.39172710	-23.72877578	Apr tuesday
## 1003	-0.076957710	2.192153e-01	-1.84693048	24.43568360	Aug tuesday
## 1004	-2.188470511	-1.154878e+00	-4.78709599	0.43529205	Oct wednesday
## 1005	0.632914371	-7.043723e-01	1.98381672	3.84895834	July wednesday
## 1006	-1.673985286	7.600534e-02	-4.52296110	7.85765740	July thursday
## 1007	-0.086139546	-3.120248e-02	3.37665981	-18.18504952	Jun thursday

## 1008	-0.895521263	-6.615246e-01	5.33213039	-8.42385323	May wednesday
## 1009	-0.367043004	7.607497e-01	0.45698761	22.86905922	July wednesday
## 1010	0.361962917	-7.774211e-01	-7.76015556	-14.80965025	Jun tuesday
## 1011	-1.052346609	3.670509e-01	9.54799719	5.99878327	sept. wednesday
## 1012	1.625537113	-6.557715e-01	-5.96710999	5.62547472	May wednesday
## 1013	-0.805198196	-1.942284e-01	1.58192845	6.99059738	July thursday
## 1014	2.918818260	2.062830e+00	-1.42034082	3.71875272	Aug wednesday
## 1015	-2.076466720	8.805352e-02	-7.55723637	-9.88820568	Oct wednesday
## 1016	-0.763512861	-4.990575e-02	19.47534049	-10.99745398	Jun wednesday
## 1017	0.067991582	6.804999e-01	-3.13858121	-17.30376203	Aug wednesday
## 1018	-1.297667228	7.746782e-01	4.75325642	4.93634895	Aug thursday
## 1019	-0.476508641	-3.017376e-01	2.15372683	11.50735494	Aug wednesday
## 1020	1.391564251	4.332362e-02	1.62558277	6.47582807	July wednesday
## 1021	-1.237514225	8.306896e-01	10.28229229	-5.45349953	Jun thursday
## 1022	-0.080188180	3.625834e-01	-0.29082391	6.50153520	Apr wednesday
## 1023	0.280056511	1.815199e+00	-1.16780269	16.33530042	May tuesday
## 1024	-0.063744943	-1.204166e+00	-2.69858360	10.49482977	July wednesday
## 1025	-0.055573200	5.861480e-01	-1.55506164	10.64451993	Jun wednesday
## 1026	0.326461048	4.581478e-01	2.65869564	0.92040226	May wednesday
## 1027	0.689638739	-1.240832e-01	-0.76578173	2.74783512	Jun wednesday
## 1028	-1.830894313	4.172789e-01	0.63419722	6.14186852	Aug wednesday
## 1029	1.785218638	6.331406e-01	-1.56152239	33.16938592	May tuesday
## 1030	1.823207600	-2.592038e-01	-6.17705238	-2.26618986	Jun wednesday
## 1031	-1.480598465	4.039935e-01	-2.95458531	-0.66686263	May thursday
## 1032	-0.256382445	1.170787e+00	-3.19030296	2.18813238	May thursday
## 1033	-0.761150949	1.017569e+00	4.57432787	-25.44918873	Aug wednesday
## 1034	-1.378461367	3.063865e-01	16.82377607	-17.48384268	Jun tuesday
## 1035	1.694343337	3.031591e-01	13.55554469	9.46328556	Aug wednesday
## 1036	-0.880894589	8.316163e-01	6.92844622	-7.26785945	Aug wednesday
## 1037	0.147571732	6.833485e-01	-3.30425090	-3.41844444	July wednesday
## 1038	-2.059703562	7.395295e-01	1.14130331	4.42122094	July wednesday
## 1039	-0.049489708	2.377709e-01	0.50638794	14.81423598	Jun wednesday
## 1040	-0.135134679	1.117943e+00	-1.67933193	25.97224513	July wednesday
## 1041	-2.702651904	-2.807487e-01	11.89494984	-33.13611919	July wednesday
## 1042	0.915201314	2.101848e-01	5.99993193	-1.11076589	Aug wednesday
## 1043	0.271378804	4.349806e-01	-2.23290448	0.32993931	Jun wednesday
## 1044	-0.469954692	-1.269460e-01	-3.83653676	5.33736373	Mar thursday
## 1045	-3.048991622	-1.056532e-01	-6.04088680	-9.04735416	Jun wednesday
## 1046	-0.053183607	-1.058102e-01	3.08482080	16.50576175	Jun thursday
## 1047	0.163859294	-1.671839e-01	5.20493727	1.62331461	Aug thursday
## 1048	0.818384652	-2.052344e+00	7.36100979	6.68970042	May wednesday
## 1049	1.446852401	-2.466159e+00	4.09627147	25.18705157	Aug wednesday
## 1050	-0.431659382	9.942522e-01	-1.55706030	13.18296650	Jun wednesday
## 1051	-0.287916588	-1.317965e-01	1.06898038	1.94548661	July wednesday
## 1052	-1.128212955	-7.759478e-02	2.35071731	6.41190481	May tuesday
## 1053	0.055352390	1.443253e+00	-3.54565312	5.92559050	July thursday
## 1054	-0.103584650	3.688355e-01	4.96248245	5.36598065	May thursday
## 1055	0.146791876	-2.326289e-01	5.18831741	1.90461254	sept. wednesday
## 1056	0.166443761	-4.062367e-01	8.08853715	-19.71387890	May wednesday
## 1057	-0.891604960	-9.609292e-01	-5.57257991	-7.89842179	July wednesday
## 1058	-0.474594950	-1.717880e-01	-4.09598837	-9.45905017	July wednesday
## 1059	-0.494366070	1.279602e+00	10.86153029	3.74945293	July tuesday
## 1060	-0.624242855	-1.319086e+00	1.92436887	25.56147145	July thursday
## 1061	1.768229548	-1.503348e+00	1.40760428	23.12501710	Jun tuesday

## 1062	-0.248337269	-6.021106e-02	14.33834553	6.43833861	Aug	tuesday
## 1063	1.311934813	-7.444686e-01	1.95700738	-7.41403511	Jun	wednesday
## 1064	0.836999076	-1.523550e-01	-4.95294740	-4.27675160	July	wednesday
## 1065	-4.312295498	6.173954e-01	5.67559972	-30.48303193	Jun	wednesday
## 1066	1.041688361	-1.681756e+00	-3.78976041	14.36825265	Oct	wednesday
## 1067	-0.583583465	1.231630e+00	5.81200908	30.85774370	Jun	tuesday
## 1068	-1.622079898	-1.292556e+00	-3.23143651	21.39613812	Apr	wednesday
## 1069	-1.037519885	1.359609e-01	-3.36109628	-16.49463119	July	wednesday
## 1070	1.929284904	4.293983e-02	4.06635305	11.79922657	May	wednesday
## 1071	-0.426456135	-5.030890e-01	2.84076016	-15.31080821	Aug	thursday
## 1072	2.841258621	3.734495e-01	3.29178510	6.89036923	Jun	wednesday
## 1073	-1.861615816	5.769868e-01	6.37500315	6.19193213	May	wednesday
## 1074	-1.486750012	-1.446568e+00	-11.70610029	4.65886673	Jun	wednesday
## 1075	-1.815856220	-1.337301e+00	9.72181917	-22.13807434	Mar	wednesday
## 1076	-2.330048335	-3.115911e-01	-4.20089040	2.48303224	Aug	thursday
## 1077	1.002759072	7.406013e-02	-11.73280603	-27.71120880	Jun	tuesday
## 1078	0.108152281	8.501034e-01	2.29772831	-18.43656519	May	wednesday
## 1079	0.389316411	-5.615784e-01	-5.56331214	28.84083919	July	wednesday
## 1080	1.086869135	4.536760e-01	-2.00847787	5.64212921	Aug	wednesday
## 1081	0.782159607	-1.390854e+00	12.11225145	11.48929889	Jun	wednesday
## 1082	-0.927152021	3.824096e-01	1.45661305	-16.30760296	Jun	thursday
## 1083	-1.674851292	7.954272e-01	-1.91364366	-24.78575591	Jun	thursday
## 1084	-1.631897533	-3.766549e-01	6.80253941	-16.31630975	July	wednesday
## 1085	0.910794115	-7.196925e-01	2.42628361	-17.02384534	July	wednesday
## 1086	-0.763425488	-1.233178e+00	-0.97448957	-19.71152491	sept.	wednesday
## 1087	2.205110939	-8.414516e-01	-1.96054499	-9.86356678	July	wednesday
## 1088	-0.680937099	6.324025e-01	-6.20578965	6.40620942	Aug	wednesday
## 1089	0.172627905	-6.412286e-02	-2.72475940	8.94789054	July	wednesday
## 1090	0.021994838	3.326500e-01	7.33805209	23.22953006	sept.	wednesday
## 1091	-0.547343817	-1.931974e-01	2.51482707	9.81505974	July	tuesday
## 1092	0.277257264	-1.099234e+00	0.57707683	15.34932515	Jun	tuesday
## 1093	1.732784776	-8.541057e-01	11.86004939	-0.03402195	Aug	wednesday
## 1094	-0.613991686	1.541440e-01	-1.39894613	-26.80366489	July	wednesday
## 1095	0.620739079	4.188682e-01	11.69813231	-0.42766769	July	wednesday
## 1096	-0.509696199	7.553332e-01	4.11760028	-11.44259369	July	wednesday
## 1097	1.396848442	-5.025894e-01	0.71499127	10.54977889	Jun	wednesday
## 1098	-0.628311403	1.092035e+00	9.40837244	-11.21119087	Aug	wednesday
## 1099	-0.464918148	1.162907e-01	3.09081843	1.65580187	Aug	wednesday
## 1100	0.481386410	-3.034428e-01	-0.12068254	-4.91754613	Aug	wednesday
## 1101	0.966001218	5.037740e-01	4.94583744	23.96561727	Aug	wednesday
## 1102	-0.020965794	1.243101e+00	-2.73383143	-7.97749835	May	thursday
## 1103	0.148392447	-2.516553e-01	-5.87391187	7.93709442	July	tuesday
## 1104	-0.281202338	1.514247e-01	13.60340812	0.61525106	Jun	tuesday
## 1105	-0.099036914	-1.069742e+00	-1.97572159	-12.08303856	Oct	tuesday
## 1106	-1.458977684	-2.742500e-01	-1.13013030	-15.45197738	July	wednesday
## 1107	-1.410997035	-9.963843e-01	-0.35758882	15.89155649	Jun	wednesday
## 1108	-1.176744657	2.625771e-02	-7.84459020	2.15275189	July	wednesday
## 1109	-2.194235390	6.616693e-01	4.10131807	-2.29189624	Aug	thursday
## 1110	0.711251598	5.757469e-01	0.35160648	-7.78924280	Jun	wednesday
## 1111	2.984282669	-1.555129e-01	-7.80641334	-0.86193121	July	wednesday
## 1112	-0.404282236	7.124539e-01	-0.68244691	-17.61954928	July	wednesday
## 1113	-0.214063170	-8.610912e-01	-1.55478324	17.36783515	July	wednesday
## 1114	-0.905992678	1.161038e+00	-0.22297947	11.27473567	sept.	wednesday
## 1115	0.575886267	-1.883439e+00	4.62089534	-3.99473225	July	wednesday

## 1116	-0.914684292	-2.462059e-01	-7.41098282	7.24241914	May	wednesday
## 1117	0.346404401	2.462623e-01	-7.60317226	6.29864774	July	tuesday
## 1118	1.811310446	1.511042e-01	-9.13922568	-22.61219931	Mar	wednesday
## 1119	0.557131331	-8.648332e-01	-4.89187642	15.69383974	July	tuesday
## 1120	-0.340038553	4.895577e-01	4.34947787	0.46289575	Aug	wednesday
## 1121	1.581333062	-1.134915e-01	-4.95624977	0.51188214	May	wednesday
## 1122	-0.131668224	-2.234038e-01	-4.72393237	4.75897492	Jun	wednesday
## 1123	0.992326705	5.093799e-01	-9.23661032	7.35900272	July	thursday
## 1124	-0.581530535	1.907209e-01	7.41740459	27.08523741	July	thursday
## 1125	-2.538224460	-6.693518e-01	4.79697040	-45.33329509	Apr	wednesday
## 1126	-0.005787359	-1.095748e-01	0.88426481	19.47441562	Aug	wednesday
## 1127	2.677801442	-2.750330e-01	10.14548670	7.32567393	Jun	wednesday
## 1128	-0.321002310	-9.926476e-01	10.20078614	-22.88186546	Jun	tuesday
## 1129	4.353451726	-1.392295e+00	-4.00893100	-2.66135111	Jun	thursday
## 1130	-0.923463423	-3.223542e-01	2.58620661	-4.20406435	Aug	thursday
## 1131	2.232366061	-6.268416e-01	5.10548904	-18.10057913	Aug	wednesday
## 1132	0.973279509	3.127979e-01	-3.83178325	-6.01852453	July	wednesday
## 1133	1.465953485	1.088976e+00	-10.60547352	-7.90887576	Jun	wednesday
## 1134	-0.433478247	-1.486297e-01	-1.48476498	-38.71133271	July	tuesday
## 1135	1.477854216	-1.076758e+00	-5.14236019	28.18805412	Apr	wednesday
## 1136	-0.554855384	-7.626209e-02	-2.43024888	-6.78149540	Jun	tuesday
## 1137	-0.211757020	4.712242e-02	9.95009279	-7.49705338	Aug	wednesday
## 1138	0.213509767	-1.073070e+00	5.36147038	12.23639311	July	tuesday
## 1139	0.305291763	1.516589e-01	0.77394438	-6.12273520	Jun	tuesday
## 1140	1.210507922	5.691335e-01	-6.31727090	-3.12106945	May	wednesday
## 1141	-0.644496301	-3.876196e-01	-2.12713292	-9.22074239	July	thursday
## 1142	1.082317507	5.124987e-01	0.38794511	0.34643572	Mar	wednesday
## 1143	-0.467030448	-9.029523e-01	-1.85261124	-13.00586508	May	thursday
## 1144	0.920003521	-2.018057e-01	-14.65245789	-8.11240892	Jun	wednesday
## 1145	-3.378430501	1.408489e+00	-1.00384657	-0.27769566	July	tuesday
## 1146	0.170323054	-1.065465e+00	3.96304634	-3.70173281	Aug	tuesday
## 1147	-0.002355762	7.406658e-01	-7.05364595	10.65946238	July	tuesday
## 1148	0.720408576	-7.414688e-01	-6.64373099	-15.77485183	July	wednesday
## 1149	-0.879735971	8.605633e-01	-8.02247891	-17.62700396	Jun	wednesday
## 1150	-0.176286339	1.036570e+00	9.22973789	9.01237334	July	wednesday
## 1151	0.061187088	-1.679176e+00	-5.57367628	6.47026914	May	wednesday
## 1152	0.414512544	5.323211e-01	-14.73791544	15.82776250	Mar	tuesday
## 1153	-2.169405095	-6.136060e-01	-1.70637564	4.67842937	sept.	wednesday
## 1154	-2.439164455	3.463233e-01	-0.84402365	-6.73049673	Jun	tuesday
## 1155	-0.048608671	1.581352e+00	-2.69512200	-27.06662056	Jun	wednesday
## 1156	0.855147861	9.530949e-01	10.50255315	12.94310037	Jun	wednesday
## 1157	0.384147402	1.224594e+00	1.68114463	-3.32874406	July	wednesday
## 1158	1.820794061	1.644377e-01	-5.48032493	-1.09696809	July	tuesday
## 1159	-1.731603335	2.088786e-01	0.90640874	-30.15452514	July	wednesday
## 1160	1.291422300	2.175611e-02	4.30193046	8.46789951	July	wednesday
## 1161	-0.524740255	2.731005e-02	-0.98336526	-3.81188172	Aug	tuesday
## 1162	-1.652599735	-5.031251e-02	9.74073620	-9.90582848	July	wednesday
## 1163	-0.766919323	1.502236e-01	8.85413928	19.50258749	July	wednesday
## 1164	0.516368847	1.066340e+00	-1.76194056	-15.34526679	Jun	wednesday
## 1165	-0.911281016	-1.902591e-02	-5.77532932	20.51106175	Jun	wednesday
## 1166	0.438048657	1.010956e+00	4.90481263	23.53942614	Mar	wednesday
## 1167	-1.784757158	-5.482272e-02	-7.29124649	-14.54426220	Aug	wednesday
## 1168	1.157504576	8.733579e-01	1.40854656	-4.84593513	May	tuesday
## 1169	-0.152106384	1.189117e+00	1.49013874	-4.33913243	July	wednesday

## 1170	1.114351194	-2.586815e-01	5.21585782	0.43778042	May wednesday
## 1171	3.069828245	9.165821e-01	-3.28500346	-13.74063041	July wednesday
## 1172	1.438566184	2.659211e-01	8.53144864	1.17772787	July thursday
## 1173	-0.796843598	8.130021e-01	-0.91847358	-19.30528128	Jun wednesday
## 1174	0.586028186	8.460142e-01	2.72022527	19.23516824	Jun wednesday
## 1175	-0.881684130	-7.007589e-01	-9.93736732	-6.43743164	Aug thursday
## 1176	1.373928440	-1.081397e-01	-4.77041434	-10.88339191	May wednesday
## 1177	0.841067742	3.405182e-01	3.44578683	-17.39914816	Jun tuesday
## 1178	-0.841702048	3.655025e-01	10.56145223	-11.09676819	July wednesday
## 1179	2.027824064	-7.178149e-01	1.10896695	9.99740138	July wednesday
## 1180	1.100638690	-1.547802e+00	5.69860135	-11.24868093	July wednesday
## 1181	0.170934655	-8.485081e-02	-8.02842452	-7.01811829	sept. wednesday
## 1182	-0.589081470	5.838210e-01	4.51325093	-19.02861474	Aug wednesday
## 1183	0.551041739	2.286008e-01	-4.30005314	8.09255011	May wednesday
## 1184	-0.603773167	-1.599791e-01	-9.13365403	-10.61820229	Jun wednesday
## 1185	-0.115964035	9.782917e-01	-9.35148885	-10.43454547	Jun tuesday
## 1186	1.898947858	1.913238e+00	4.65703431	5.49861271	Jun wednesday
## 1187	2.547958954	1.501814e+00	3.07884064	-0.15242550	sept. wednesday
## 1188	-1.002020765	3.151381e-01	4.10106515	-5.99072927	Jun thursday
## 1189	0.173247403	-4.050716e-01	-9.60913301	-8.95972597	May wednesday
## 1190	-0.699564176	-3.354802e-01	3.62146153	-17.09515766	Aug tuesday
## 1191	1.232650206	9.275173e-01	-3.86505197	9.90503976	May wednesday
## 1192	-0.652372926	1.745836e+00	-7.25552402	4.24557397	Jun tuesday
## 1193	1.248549756	-3.973952e-01	2.00354391	-26.06829914	May wednesday
## 1194	0.624757732	9.578032e-01	-3.67744366	-4.91550220	Jun wednesday
## 1195	1.495038888	1.186624e-01	-1.00945014	-4.57128655	July tuesday
## 1196	0.330030324	7.612230e-01	-3.30341482	7.15676907	sept. wednesday
## 1197	-0.270040981	-9.875715e-01	-1.27265951	17.59228239	July wednesday
## 1198	-1.741712298	-1.301114e+00	-8.76930564	-8.31363781	sept. thursday
## 1199	0.860494251	2.264055e+00	6.77924336	-18.63578469	July wednesday
## 1200	-1.053091253	-2.186330e-01	5.25899169	11.85374074	July wednesday
## 1201	-1.596523784	-1.460680e+00	2.85614298	5.09711669	Aug wednesday
## 1202	0.660296032	-1.133669e+00	-8.01608272	1.65123856	July tuesday
## 1203	1.369033262	-6.167194e-01	-11.06495191	-0.94812282	May wednesday
## 1204	1.082410026	-5.419452e-01	-7.35982367	0.92825170	May wednesday
## 1205	-2.227057920	-3.293634e-01	-6.46558795	1.15044985	July wednesday
## 1206	0.099349543	-1.411244e+00	-6.50583883	5.66448880	Mar wednesday
## 1207	0.768868935	1.406130e+00	-5.51861787	5.07357028	July thursday
## 1208	-2.665850591	1.148008e+00	1.45738201	-16.25928942	Apr wednesday
## 1209	2.309681617	-2.061033e+00	-3.84497545	-26.84614610	Jun wednesday
## 1210	-1.131853232	-6.901236e-01	3.44456374	18.78349818	Aug wednesday
## 1211	-1.292296204	6.235805e-01	-2.92485694	-9.60799581	Jun wednesday
## 1212	-0.905916663	-4.318298e-01	-5.21396569	6.64684587	May tuesday
## 1213	-0.948166630	-1.338504e-01	6.62398872	-12.86974687	Mar wednesday
## 1214	-1.159744664	9.763227e-01	-4.56601327	4.76115939	May wednesday
## 1215	0.560223496	3.799825e-01	-0.54629675	12.38962894	May wednesday
## 1216	-0.118463408	-3.502671e-01	-6.22248322	4.65024056	July wednesday
## 1217	1.095170755	1.401363e-01	14.28293258	-13.71695816	Aug wednesday
## 1218	0.692909764	5.469253e-01	-0.68155594	-5.75019563	July thursday
## 1219	0.403247360	4.335470e-01	-0.32695755	-24.47486644	Aug wednesday
## 1220	0.597143629	9.244340e-01	3.75199106	-27.67855049	May wednesday
## 1221	2.685682551	-5.352105e-01	-0.50848809	-18.63316939	Jun wednesday
## 1222	-0.560305579	-4.584163e-01	-0.19579924	-4.90645670	Oct thursday
## 1223	0.381283764	6.269622e-03	-5.38687785	-15.08148420	Aug tuesday

## 1224	-1.545609112	-7.022574e-01	1.66695059	-13.86613899	Jun	wednesday
## 1225	1.403905590	-1.505644e-01	0.57591850	3.36254636	May	wednesday
## 1226	0.896859702	-2.174880e-01	5.46853738	4.14010055	Jun	wednesday
## 1227	-0.746419976	1.387466e+00	1.86126273	-3.11608064	July	wednesday
## 1228	0.745289861	-5.340361e-01	-0.42183092	15.11573887	Aug	wednesday
## 1229	-3.270395429	-1.296841e+00	-5.49742156	-0.92751074	July	wednesday
## 1230	-0.085058965	8.607904e-01	-0.65933650	23.91910276	Aug	wednesday
## 1231	1.720084813	6.037526e-01	-11.66416236	18.95967558	July	wednesday
## 1232	0.019270760	3.492097e-01	2.48606178	13.01653804	July	wednesday
## 1233	0.371649604	1.757117e-01	3.41944114	-13.24152070	sept.	wednesday
## 1234	0.070809570	3.955219e-01	-12.43773865	6.57155883	Aug	wednesday
## 1235	0.408476512	-1.263680e+00	0.32800305	20.62305171	Jun	tuesday
## 1236	-0.701214279	1.969595e-01	-3.24628458	2.45694467	sept.	wednesday
## 1237	-1.116588815	-1.120933e+00	4.21517360	12.62380677	Jun	tuesday
## 1238	-0.192366914	-5.311952e-01	3.37488292	-16.84844702	Jun	tuesday
## 1239	-0.243376841	-2.730820e-01	2.73327629	17.93065737	May	tuesday
## 1240	1.066362670	8.561754e-01	-7.76992315	-5.10089443	sept.	wednesday
## 1241	-1.204113657	3.429302e-01	11.93198541	-18.16827869	Apr	wednesday
## 1242	0.167168042	3.371455e-01	-3.43982630	9.10840691	Jun	wednesday
## 1243	0.960837446	-3.707751e-02	-2.61085131	-18.03080000	July	wednesday
## 1244	-0.433094486	1.175350e+00	1.47035790	7.88319245	sept.	wednesday
## 1245	-0.125005431	5.647723e-01	9.08819836	3.43458593	Jun	wednesday
## 1246	-0.515009728	4.459929e-01	0.01491083	3.61192152	Jun	wednesday
## 1247	-0.384850277	1.134210e+00	0.32831927	-4.31412088	Jun	wednesday
## 1248	2.375248537	9.654112e-01	-5.92371288	1.58460952	July	tuesday
## 1249	0.170623044	3.060122e-01	-5.41225229	-11.54677406	July	thursday
## 1250	0.155272021	-1.277884e-01	0.65831303	-1.57023171	May	wednesday
## 1251	1.764299564	5.270329e-01	-19.15156317	-11.52755309	July	wednesday
## 1252	1.090860383	-3.522053e-01	4.73013810	-14.57245647	July	wednesday
## 1253	0.968939928	-1.110744e+00	5.75817075	10.81101007	May	wednesday
## 1254	-0.047366029	-2.075379e+00	-2.71596037	8.07022889	Nov	wednesday
## 1255	0.178940713	-3.798553e-01	12.49582955	3.77164906	Jun	thursday
## 1256	0.242293797	-1.123255e+00	-11.21889167	2.53552814	July	wednesday
## 1257	2.230952394	1.742472e+00	3.80761635	2.93200624	sept.	tuesday
## 1258	-1.628109964	-1.191431e+00	-2.70500061	-11.52174035	Aug	wednesday
## 1259	-0.047173255	-9.874421e-01	-3.97925422	13.87313700	sept.	wednesday
## 1260	-0.538231202	-2.309562e-01	-13.89130040	-13.41922321	July	thursday
## 1261	-2.147290474	-1.267057e-02	-11.32708073	23.01355811	July	wednesday
## 1262	1.896598771	5.897993e-01	1.58999656	-36.20027783	Jun	wednesday
## 1263	0.111970890	-1.491543e+00	3.91926379	5.02249702	May	wednesday
## 1264	0.175888165	-2.017117e-01	-15.11796163	-17.15435999	May	thursday
## 1265	0.380331818	4.168522e-01	5.66334188	-11.39561359	July	thursday
## 1266	2.681044389	1.162702e+00	9.53254579	-30.30449762	Apr	thursday
## 1267	0.477138157	2.955435e-01	-4.85146873	-8.75605581	Jun	thursday
## 1268	-1.004604576	-1.550179e-02	5.97519613	4.09656767	Aug	wednesday
## 1269	2.255741938	-7.809513e-01	-8.38345564	22.89581780	Jun	thursday
## 1270	0.023284116	-1.467641e-01	-7.65787044	13.66512484	July	tuesday
## 1271	-0.540548259	2.428156e-01	-1.45096869	11.44157294	July	wednesday
## 1272	-1.653306877	2.650107e-02	8.18241824	4.14354340	Jun	wednesday
## 1273	0.985602362	1.047140e+00	2.57889111	0.33488985	Jun	wednesday
## 1274	0.898127861	1.713167e+00	-5.01548849	10.45850629	July	wednesday
## 1275	-1.438540833	8.723494e-01	1.80652879	9.93755096	Aug	tuesday
## 1276	0.758839874	6.743925e-02	3.17771699	5.02511142	Jun	wednesday
## 1277	0.503147084	-1.474401e+00	7.63698238	-2.99696044	July	wednesday

## 1278	-2.058850853	-6.809352e-02	-11.16326151	-3.54072410	Aug wednesday
## 1279	0.155416045	1.443625e-01	-4.97178372	9.54091655	May wednesday
## 1280	-0.667097656	2.657583e-02	-3.76144576	15.38766256	Jun wednesday
## 1281	-0.898445881	-1.459817e+00	4.04365978	17.02698570	Jun wednesday
## 1282	-1.050653754	-7.632678e-01	-5.90877414	17.14503602	Jun wednesday
## 1283	0.447052571	-6.371893e-01	7.47879779	-11.43534465	May wednesday
## 1284	-2.040527507	1.002532e+00	5.46086350	21.61532507	Aug wednesday
## 1285	0.956093935	2.301150e-01	7.97214904	31.87985693	July tuesday
## 1286	-2.185162686	-2.973619e-01	0.05068987	7.88466969	Aug wednesday
## 1287	-0.731690125	6.097560e-01	-8.23353391	-12.25283437	July wednesday
## 1288	0.006419518	1.345132e+00	-13.66867157	-0.60200429	Aug wednesday
## 1289	-1.302713457	-1.571274e+00	16.81915950	12.16099169	May wednesday
## 1290	1.313436373	-4.588894e-01	2.93788600	13.21162041	Jun wednesday
## 1291	0.451625975	1.185980e+00	2.42205599	15.73628786	Apr friday
## 1292	0.108452691	5.998885e-01	1.89535735	-15.64203703	Jun thursday
## 1293	0.252957034	-5.691438e-01	-9.21423471	12.28514051	July wednesday
## 1294	-0.609246927	2.204151e-01	1.74854092	-1.99916149	July thursday
## 1295	-1.180137350	4.819819e-01	-8.25611070	-26.24952852	July tuesday
## 1296	-1.218581943	5.573058e-01	-2.04493129	-13.87740337	July thursday
## 1297	-3.257394022	9.109417e-01	-0.48291849	6.07642561	May thursday
## 1298	0.949059036	-2.348506e-01	10.54280253	-27.22652627	May wednesday
## 1299	3.553756763	7.327577e-01	-2.69374104	6.23583537	May wednesday
## 1300	0.252808003	1.250448e+00	-14.40643885	-6.05862144	Aug wednesday
## 1301	-1.649785278	2.704269e-01	4.42375840	27.31864839	Jun wednesday
## 1302	-0.056905663	-1.363861e-01	2.15889679	-12.87231542	May wednesday
## 1303	0.279780902	-6.828016e-02	-5.43607606	-1.26870266	July wednesday
## 1304	0.276439109	1.412274e+00	0.96718913	5.50628597	Jun wednesday
## 1305	-1.202461212	-5.277531e-01	-9.26894104	2.46505175	Jun wednesday
## 1306	-0.466432852	-3.722540e-01	-7.18679957	-30.58749768	Jun tuesday
## 1307	-1.516462051	6.908514e-01	-7.56420097	-5.78843704	Jun wednesday
## 1308	-2.535772484	2.242896e-01	-12.34961621	13.96562254	July thursday
## 1309	-1.225667834	-4.790708e-01	6.22264741	11.22385066	sept. wednesday
## 1310	-0.615001310	3.016206e-01	2.04164065	-6.75864965	Jun wednesday
## 1311	0.446033988	-9.424636e-01	9.47522761	1.21586513	Aug wednesday
## 1312	1.901756489	-2.555640e-01	2.04337931	15.07062103	Apr wednesday
## 1313	-0.033047489	-8.505104e-02	-1.24525826	2.02676674	Jun wednesday
## 1314	-0.090003202	-2.933716e-01	4.68560372	-22.02366585	July wednesday
## 1315	1.460863675	2.393057e-01	-4.30138714	3.43502637	sept. wednesday
## 1316	-0.263923068	-1.489760e+00	6.66828677	-9.91494426	Aug wednesday
## 1317	0.175420350	-6.656909e-03	-10.06249926	-2.18021235	July thursday
## 1318	-0.312241892	-2.531863e-01	0.31585364	-9.65861996	May wednesday
## 1319	0.298743481	3.419043e-01	11.40727467	-1.77967360	Jun wednesday
## 1320	0.567367227	7.699782e-01	5.29958528	-1.54346452	Apr thursday
## 1321	-0.055688186	5.725673e-02	-6.60632364	14.83467330	Jun tuesday
## 1322	-0.431737800	-9.439951e-02	-6.35830307	-9.57302479	July wednesday
## 1323	-0.589135497	4.435340e-01	-9.32554423	7.06622947	Aug thursday
## 1324	0.018491869	-2.082906e-02	-2.47297154	9.42569209	Jun wednesday
## 1325	0.357937181	-1.090433e-01	-2.50600692	6.74903463	Jun wednesday
## 1326	0.450526240	-1.351304e+00	4.52951021	7.72182514	July wednesday
## 1327	1.187985303	4.804923e-01	-5.30164260	2.94105656	Oct wednesday
## 1328	-0.049319767	-2.120623e-01	-7.77774938	-7.36933564	May tuesday
## 1329	1.048044389	-7.655031e-01	7.68631825	21.96987526	July tuesday
## 1330	0.136925241	1.067042e+00	-6.18928301	1.39893988	May wednesday
## 1331	-2.226898344	1.024725e+00	5.51835950	-9.57384787	July thursday

## 1332	0.763465532	2.753270e-01	-0.55299464	3.69836880	Jun wednesday
## 1333	1.834577973	-1.894489e-05	8.07325015	-17.31961956	July wednesday
## 1334	-0.873990768	-1.086804e+00	-3.90635521	11.00255473	July wednesday
## 1335	-1.075569251	3.326907e-01	2.72926212	-15.07102008	Jun wednesday
## 1336	-0.804388645	-1.676246e-01	5.27683409	11.99658042	July wednesday
## 1337	0.081730729	3.235271e-01	1.62880376	-21.23930815	Apr tuesday
## 1338	-0.878309625	3.213566e-01	6.92136320	2.93804058	Apr thursday
## 1339	-0.649018632	8.717942e-01	-1.46174183	-7.32625914	July wednesday
## 1340	-1.304156490	-1.278315e-01	8.96372499	20.12585739	Aug wednesday
## 1341	-0.710478387	8.668967e-01	8.48881820	-3.15195115	Jun wednesday
## 1342	-0.227418678	-2.394029e-01	1.86129499	-13.24595873	Jun wednesday
## 1343	-0.859492924	7.052955e-01	6.55073880	-20.76172026	May wednesday
## 1344	1.040864350	-1.057776e+00	-6.23699822	6.18217341	Aug tuesday
## 1345	-0.886339767	1.072889e+00	17.83789225	-17.39812967	Aug thursday
## 1346	-0.423141681	1.619391e-02	7.65772891	27.87262891	July tuesday
## 1347	-1.104005574	9.778816e-01	-5.54152803	-1.50357217	Jun thursday
## 1348	0.115428435	6.535101e-01	-7.85046692	-1.40422691	Jun wednesday
## 1349	2.296649833	1.845307e+00	-3.34535802	20.21113190	Oct wednesday
## 1350	0.626874698	-9.555711e-01	-1.57684393	-12.27502017	July thursday
## 1351	-1.717628029	1.223683e+00	-1.95652724	-1.74103143	sept. wednesday
## 1352	2.328967497	-2.560664e-01	-3.84601145	2.54824319	July wednesday
## 1353	1.583999293	6.078608e-01	-9.94227704	-3.42293505	Aug wednesday
## 1354	0.392684689	1.148408e+00	-5.74623280	26.41501975	Jun thursday
## 1355	1.107052255	-4.575080e-01	8.98214017	-7.72976082	sept. wednesday
## 1356	0.115822068	-3.040540e-01	3.65518437	3.00229607	Jun wednesday
## 1357	1.420804541	-5.598762e-01	-5.23700299	19.53390374	May tuesday
## 1358	-0.740910232	-2.882895e-01	3.08327022	4.09733669	sept. wednesday
## 1359	-0.061924000	1.149447e+00	-2.72790313	16.14215573	July wednesday
## 1360	1.218297627	-9.364995e-01	7.08300970	-3.24189388	Jun thursday
## 1361	1.137225881	-1.119484e+00	-8.11615833	-4.28801812	July friday
## 1362	-1.401814335	-5.001570e-01	6.37644805	4.75299858	sept. wednesday
## 1363	0.127751971	-1.922934e-01	-8.30086702	-25.44554576	July wednesday
## 1364	0.001929347	-5.545320e-01	-1.78705816	-21.18115236	Apr wednesday
## 1365	-0.465598171	2.656433e-01	-5.50819367	-4.47075119	Jun tuesday
## 1366	0.512525221	-1.211433e+00	0.26900819	9.02283749	Apr tuesday
## 1367	-1.278509063	-4.746786e-01	-0.26276306	-7.65643162	sept. wednesday
## 1368	-0.475236411	-1.559216e-01	-0.61451343	-16.65844962	Jun wednesday
## 1369	1.635042976	-4.692447e-01	-4.28365954	-23.01638072	Apr tuesday
## 1370	0.922908003	4.002792e-01	-3.32486678	-9.60348957	sept. wednesday
## 1371	2.954493142	-3.698448e-01	-6.99666897	-20.13316956	Jun wednesday
## 1372	-2.574027699	3.914370e-01	-3.07215997	-0.83906379	Aug thursday
## 1373	0.038647458	-1.278323e-01	-4.67331887	6.23107007	July wednesday
## 1374	0.520134548	-1.114578e+00	3.34564205	35.00832718	July wednesday
## 1375	0.058227826	-4.261787e-01	-7.73278624	-2.25643317	Aug wednesday
## 1376	-0.775932908	1.919028e-01	6.02692679	6.60027390	May wednesday
## 1377	-0.589502564	4.087484e-01	-3.15615203	33.64522127	Aug wednesday
## 1378	-4.024288997	-1.460752e+00	6.85495468	13.56050353	Aug thursday
## 1379	1.803296177	-8.366639e-01	6.35530375	7.74640781	Jun wednesday
## 1380	1.492728393	7.594410e-01	4.29070436	5.62736966	May wednesday
## 1381	-0.365914860	-5.010068e-01	4.31949832	20.63087337	Jun tuesday
## 1382	1.387586773	1.874620e+00	-7.47816701	-22.66304570	Jun wednesday
## 1383	-0.377601510	1.409203e+00	9.68476807	37.72046460	Jun wednesday
## 1384	1.503580487	1.120530e+00	-0.19192733	-3.25078979	Jun wednesday
## 1385	-0.442705819	5.486095e-01	2.02646794	-13.53802430	Jun wednesday

## 1386	-1.015131426	1.162448e+00	5.45215976	5.70192183	May wednesday
## 1387	-1.430651989	-7.174126e-01	-5.92242490	0.93909099	Jun tuesday
## 1388	1.252271835	7.152828e-01	1.14074640	9.22293069	sept. wednesday
## 1389	0.370893642	7.741525e-01	-1.22612310	-26.60592601	May thursday
## 1390	-1.520589578	-1.552880e+00	-8.27773289	14.03957789	July wednesday
## 1391	-3.684708057	-5.143517e-01	4.69499947	-6.46986836	Jun wednesday
## 1392	0.964677568	2.821157e-01	-15.06757525	23.76540064	July wednesday
## 1393	-0.635284215	-4.808248e-01	0.49053178	3.22722270	May tuesday
## 1394	-0.162229516	1.136992e-01	6.51131213	13.02228534	July wednesday
## 1395	-0.425230839	1.013708e+00	3.14553279	4.29546988	July wednesday
## 1396	-0.643823527	6.631603e-01	-8.80002013	1.72128726	July thursday
## 1397	-1.229133816	-7.003897e-01	-8.41191675	-11.85788565	Jun wednesday
## 1398	0.665003013	-1.328352e+00	1.39352979	8.79960033	Aug wednesday
## 1399	1.388949032	4.978872e-01	-1.80641426	11.39360564	July tuesday
## 1400	1.072052252	3.508009e-01	-1.98747374	4.78669044	Jun wednesday
## 1401	-0.778861851	6.998321e-01	-18.01006250	-25.24326082	Jun thursday
## 1402	1.285658279	1.258480e+00	1.56083752	0.90691199	Aug wednesday
## 1403	-2.504193552	8.809519e-01	5.98557539	-14.60523595	Jun wednesday
## 1404	1.797434647	-8.736411e-01	-0.56085690	10.51458444	Jun tuesday
## 1405	-0.040633031	-5.357192e-01	4.57215900	0.24436240	May wednesday
## 1406	1.709855315	8.939818e-01	2.62535563	15.52374567	Jun wednesday
## 1407	-0.466696671	1.357638e+00	-3.87465410	-0.07987612	May wednesday
## 1408	0.523118126	-8.795214e-01	8.84049332	3.84714680	July wednesday
## 1409	1.171629165	-7.645117e-01	0.13620739	11.39767990	Jun thursday
## 1410	0.955898661	1.823968e-01	0.46452033	6.83120748	July wednesday
## 1411	-0.298200345	2.637799e-01	2.31590129	15.79112780	Jun wednesday
## 1412	0.971016033	-1.518991e+00	-2.09821842	4.14821106	Jun tuesday
## 1413	-0.809693009	1.267714e+00	11.65552479	29.04371658	Apr thursday
## 1414	-0.463586602	-1.017930e+00	4.07614077	13.72392097	July tuesday
## 1415	-0.552920042	1.646012e+00	13.43061725	8.62860931	July wednesday
## 1416	-0.660716329	8.729551e-02	7.15535270	18.34821365	Aug tuesday
## 1417	-3.339674431	-1.310604e+00	-12.11224864	-7.52816177	Feb wednesday
## 1418	-2.531730054	8.107425e-01	-3.05916025	-14.13274021	July thursday
## 1419	0.339855992	3.472212e-01	3.41386387	1.51723575	sept. tuesday
## 1420	-0.472798727	-1.115676e+00	2.81372898	-6.26562850	Aug wednesday
## 1421	0.279177204	6.490638e-03	4.58078670	-25.41068230	Aug thursday
## 1422	0.863155561	-2.436262e-01	-4.55968507	28.63809602	July thursday
## 1423	-1.048481727	1.332679e+00	10.80725294	-4.16695433	May wednesday
## 1424	-0.681219062	3.695820e-01	0.35196884	-7.90223629	Jun wednesday
## 1425	-1.788112542	-5.001308e-01	6.76883579	18.54857465	Apr tuesday
## 1426	1.724516879	1.084285e+00	-1.08442744	-2.87029022	May wednesday
## 1427	0.219659486	1.673954e+00	-23.76595215	1.72748708	July thursday
## 1428	0.954106420	1.494091e+00	6.54770394	2.20527064	July wednesday
## 1429	1.164689354	9.998793e-01	-3.51698706	-10.83033639	July wednesday
## 1430	1.193976817	-1.204504e+00	-4.21775921	19.08840593	July tuesday
## 1431	-0.882014566	1.699609e-01	-10.24769419	-20.14647312	July wednesday
## 1432	0.827000879	3.434654e-01	-1.20843775	-33.96893662	July wednesday
## 1433	2.956265717	8.225429e-01	7.15498648	-2.77241281	July tuesday
## 1434	0.527974086	-1.180403e+00	0.03901468	-13.81683288	Jun wednesday
## 1435	0.315003223	-1.454145e+00	0.50846274	20.25830983	July wednesday
## 1436	0.981634258	6.458697e-01	-5.07671840	-15.35703538	sept. wednesday
## 1437	0.238319006	-1.903398e+00	5.46380599	3.08999070	Aug wednesday
## 1438	0.356284561	3.950908e-01	-1.55751168	1.33216138	May wednesday
## 1439	0.929046779	3.655263e-01	-0.29094048	15.33383273	Apr wednesday

## 1440	-0.288413368	-1.691830e-01	7.80300379	-34.97688115	July	wednesday
## 1441	-1.159810706	1.318349e+00	2.35822070	-5.07289602	May	wednesday
## 1442	1.326366458	-8.593981e-01	-0.26485206	-7.10375775	Aug	wednesday
## 1443	-0.217483558	3.108830e-01	1.01985612	-15.63775433	Aug	wednesday
## 1444	2.315864507	1.913313e-01	-8.15873104	12.27070886	May	wednesday
## 1445	-0.693559913	-1.161054e+00	-4.19774890	12.16083356	Aug	thursday
## 1446	-1.889641850	-6.620355e-01	-3.53477205	-1.20428443	Apr	thursday
## 1447	-0.369855151	4.094662e-01	-1.23054131	12.05126325	July	wednesday
## 1448	-0.190419265	2.736505e-01	-2.46473576	-17.20978466	Jun	wednesday
## 1449	-0.754516153	-5.707383e-01	7.87726923	-18.71943588	July	wednesday
## 1450	1.058974632	-6.953495e-01	5.90923367	-8.63702875	Jun	wednesday
## 1451	-1.349981318	6.579789e-01	-2.66470945	16.24230463	Aug	wednesday
## 1452	-0.121114328	-9.534381e-01	-13.76373983	-20.96359086	Oct	wednesday
## 1453	0.767760708	4.095970e-01	7.40535786	26.51684038	Jun	wednesday
## 1454	0.100661205	-3.230897e-01	-2.57848451	-39.43405746	July	wednesday
## 1455	0.634505383	-4.714332e-01	7.14102011	25.81933764	sept.	thursday
## 1456	-1.612539311	9.218125e-01	-2.02171935	-26.42929785	Jun	wednesday
## 1457	-0.860662631	3.921590e-01	9.46925867	12.23797606	Aug	wednesday
## 1458	-0.496935971	-7.794969e-01	-1.90342231	0.75200360	Aug	thursday
## 1459	-0.319447082	1.730639e+00	4.88777669	26.18951609	May	wednesday
## 1460	-1.051768580	7.432883e-02	7.30806907	20.69858689	Jun	wednesday
## 1461	-1.291265048	-3.808964e-01	0.88788918	19.27154938	July	thursday
## 1462	-0.077078202	-4.888902e-01	-15.07053014	12.38768838	Jun	wednesday
## 1463	1.151867417	3.847430e-01	5.84535512	-4.95600986	Aug	thursday
## 1464	0.093841168	-5.837116e-01	-0.36679961	-12.14621523	July	wednesday
## 1465	0.323180498	7.907967e-01	5.32889703	37.84713345	Nov	wednesday
## 1466	-1.826876671	-1.391572e+00	2.31303394	40.58204298	Jun	wednesday
## 1467	-0.155375251	2.473067e-01	-0.53470445	-31.06514056	Aug	wednesday
## 1468	-0.162115263	5.743718e-01	-11.31464454	8.78676474	Jun	wednesday
## 1469	-1.591992416	4.132300e-02	1.76314865	9.25445281	Aug	wednesday
## 1470	0.046374103	8.584248e-01	-5.71324697	-24.10456165	May	thursday
## 1471	3.651549957	-3.024295e-01	7.75306710	-4.48316587	sept.	wednesday
## 1472	-0.120465351	-7.857490e-01	1.16801264	-6.39587610	Jun	wednesday
## 1473	1.647225232	2.815299e-01	-7.14296090	10.20215235	Aug	wednesday
## 1474	-1.410925822	6.225953e-01	-8.56841850	14.13505171	Jun	wednesday
## 1475	-0.758994057	2.104695e+00	-1.55203531	-0.38852957	July	thursday
## 1476	1.217006038	-1.304192e-01	-10.30979038	14.79184951	Jun	wednesday
## 1477	-0.002356799	-1.144642e-01	5.32212356	-15.93079593	sept.	tuesday
## 1478	-1.123823778	1.093999e+00	1.71715565	-9.03593798	July	wednesday
## 1479	0.571478977	-1.292911e-01	10.05932922	-10.53943667	Aug	wednesday
## 1480	1.079584625	1.777722e-01	2.37295926	10.18393019	Jun	tuesday
## 1481	0.365574944	-1.079744e+00	-5.35697666	19.69475358	Aug	wednesday
## 1482	1.457227738	4.562611e-01	9.38388508	-23.95700434	July	wednesday
## 1483	0.957486424	1.079382e+00	-3.77433897	2.79464733	July	thursday
## 1484	1.634432128	1.426662e+00	1.67415591	11.50077229	July	thursday
## 1485	-0.714103029	4.731052e-01	7.54498607	6.39435584	sept.	wednesday
## 1486	-0.771216057	1.369429e-01	-11.25121310	-9.24175326	July	wednesday
## 1487	2.780387696	1.698013e-01	0.40771042	29.08595556	May	wednesday
## 1488	-0.164595980	1.186349e-01	-2.66397788	13.66979543	July	wednesday
## 1489	0.337281399	1.153615e+00	7.36005487	-5.83371907	Aug	wednesday
## 1490	1.832503529	1.133513e+00	-1.41584433	-1.70500705	sept.	wednesday
## 1491	-0.636803746	-5.055604e-01	-1.81948942	-5.03648798	Jun	wednesday
## 1492	-0.451425300	-4.336298e-01	-4.31190949	-16.92153492	Jun	wednesday
## 1493	-0.554138992	-1.156113e+00	-2.15895015	10.15867362	July	tuesday

## 1494	0.337079551	2.306862e-01	6.06808559	8.42687004	May	thursday
## 1495	-1.286674930	1.517666e+00	4.51075598	-18.16347479	Jun	thursday
## 1496	-1.436926142	1.563677e-01	-2.08663693	9.53658328	sept.	wednesday
## 1497	-0.347395706	-2.941209e-01	1.51856681	3.40171983	Jun	wednesday
## 1498	-0.645723539	-5.730384e-01	4.51652456	1.24315390	May	wednesday
## 1499	0.908637573	-2.539065e-02	-3.26241816	3.39457909	Apr	thursday
## 1500	1.454560555	-4.850790e-01	-3.66245163	3.73259581	July	wednesday
## 1501	-1.382066604	-5.397810e-02	7.32682714	-21.80363065	Jun	thursday
## 1502	-0.008176531	-2.354675e-01	3.99502740	-1.27239220	July	wednesday
## 1503	-1.801780565	8.111100e-02	1.43216033	-10.00902028	Jun	wednesday
## 1504	-0.299103302	5.041661e-01	1.93738425	12.22269686	May	thursday
## 1505	1.942607196	NA	-1.72397663	9.13850636	May	wednesday
## 1506	0.346623337	-6.638364e-01	-2.31564209	-23.78255999	Aug	wednesday
## 1507	0.705032163	2.852473e-01	-2.15766735	-13.92352717	May	wednesday
## 1508	1.476795807	-4.646108e-01	-6.61177853	-31.18961976	May	thursday
## 1509	1.393315198	-1.937733e-03	-5.27185357	5.98576783	Apr	tuesday
## 1510	0.965271638	-1.535348e+00	-11.90771919	27.59809041	Oct	wednesday
## 1511	-1.225870029	2.430971e-01	-3.56548670	19.83684489	sept.	wednesday
## 1512	0.444427177	5.674938e-01	-8.56866885	-35.07238445	May	wednesday
## 1513	-0.564555698	5.911902e-02	-11.08930175	11.67654499	Aug	tuesday
## 1514	1.578145906	-7.746772e-01	16.81559661	-5.25594508	sept.	thursday
## 1515	0.371352019	3.619795e-01	3.30504096	12.04939347	Jun	wednesday
## 1516	0.873851988	1.360618e-01	5.68305090	-10.67427982	sept.	wednesday
## 1517	2.326218221	8.168362e-01	-1.95329102	21.87266766	July	thursday
## 1518	-1.414228290	2.406707e-02	-6.63164188	-10.47718398	Jun	thursday
## 1519	1.920411205	-1.667434e-02	-0.14076314	-4.73099097	Jun	wednesday
## 1520	1.083939895	4.545846e-01	8.06586347	-2.33682379	July	wednesday
## 1521	-1.919877003	3.786527e-01	8.52100691	9.00312345	Jun	wednesday
## 1522	1.012540245	-4.370708e-01	-2.68018775	11.68557577	sept.	tuesday
## 1523	-0.120393326	-1.423406e+00	7.65193172	-2.86486278	Jun	wednesday
## 1524	-0.973212004	1.570942e-01	-2.79517399	-7.35760263	May	wednesday
## 1525	1.349398995	-1.017935e-01	-1.67855564	13.01959866	Jun	thursday
## 1526	-2.326305201	1.372722e-01	-4.02961491	12.68009166	May	wednesday
## 1527	1.009480280	5.810808e-01	-1.36256673	2.06442558	Aug	wednesday
## 1528	1.159747839	3.218305e-01	-0.37678025	-14.21639032	May	tuesday
## 1529	-1.413053365	-5.354712e-01	2.83140800	0.66177635	Aug	wednesday
## 1530	0.650532026	2.616760e-01	-1.34023432	37.56582540	July	thursday
## 1531	1.123963126	-5.953325e-01	-11.24535957	-25.28261279	Apr	wednesday
## 1532	-0.838750401	-1.421752e+00	-15.22020362	7.32652165	May	tuesday
## 1533	0.895226853	7.390834e-01	9.26216825	-9.66704805	Apr	wednesday
## 1534	-0.646572050	-4.754155e-01	9.96771946	-7.09893521	July	wednesday
## 1535	-0.552587112	5.480994e-01	-0.82141012	-39.32370183	Jun	wednesday
## 1536	-0.916143268	1.053117e+00	-8.03359725	0.39927163	Jun	thursday
## 1537	2.035570129	-8.207014e-02	-10.23716544	-3.10042175	Jun	wednesday
## 1538	-0.066606521	-4.049641e-01	8.62351128	-0.65178415	sept.	wednesday
## 1539	1.024750650	-1.158765e-02	-4.00298154	3.05763136	July	wednesday
## 1540	3.356214938	6.026618e-01	-7.14884662	-2.86321515	Oct	wednesday
## 1541	2.139183260	-8.747205e-01	0.27120330	-15.70562163	Aug	wednesday
## 1542	0.560236051	1.016706e+00	1.96168011	-6.24644863	Aug	thursday
## 1543	-2.031655761	-3.386511e-02	18.52845228	1.58463390	July	wednesday
## 1544	0.609873940	1.037340e+00	-5.86990455	9.72988948	Jun	wednesday
## 1545	0.637672049	9.297088e-01	3.73570947	3.45805434	July	tuesday
## 1546	0.191689363	-3.523391e-01	5.48895081	6.70877375	May	wednesday
## 1547	0.682775904	1.659748e+00	0.89285822	8.68964898	Aug	tuesday

## 1548	-0.913983017	2.508834e-01	6.12350674	-8.50373799	July	wednesday
## 1549	0.050327867	-3.975786e-02	-10.67862085	-1.85723206	Jun	tuesday
## 1550	-0.131321404	2.945265e-01	-0.21009155	11.98194526	May	wednesday
## 1551	-1.620468280	1.320056e+00	13.61886084	-6.61772477	July	wednesday
## 1552	-0.398070987	6.572102e-01	-4.16647635	8.76994845	Aug	wednesday
## 1553	1.494459687	-1.540271e+00	-12.21520772	1.73091574	Apr	wednesday
## 1554	0.262523436	2.350964e-01	-3.03029710	-14.65812128	Aug	tuesday
## 1555	-0.831431430	-6.477613e-01	-5.52560510	-11.43414541	Jun	tuesday
## 1556	0.357586271	-1.822442e-01	2.28633278	-10.70577214	Aug	wednesday
## 1557	-1.792665788	-5.153380e-02	7.39433967	-23.55288648	May	wednesday
## 1558	-2.030176925	1.355905e+00	6.30413465	-3.42762764	Oct	wednesday
## 1559	-0.497748263	-8.423191e-01	5.44198752	-5.74382798	Aug	wednesday
## 1560	0.630102708	-6.406537e-01	3.03733680	10.81275987	Jun	tuesday
## 1561	2.131681109	4.016404e-01	-7.47800417	13.33782240	July	tuesday
## 1562	-0.193965304	-1.034283e+00	-4.81263378	13.91798096	Jun	wednesday
## 1563	-1.069437472	-4.666512e-01	5.93585794	-34.11459679	Jun	wednesday
## 1564	-0.013369096	-4.830631e-01	-4.54498500	-1.00925798	May	wednesday
## 1565	-0.491199460	-3.452428e-01	5.17472284	3.87240315	Apr	wednesday
## 1566	-0.686210879	4.277746e-01	-10.16795799	0.35680870	Jun	wednesday
## 1567	0.707857066	-1.661971e-01	-15.50329981	-27.67331251	Jun	tuesday
## 1568	-1.716452363	-6.444157e-01	-1.54753949	-10.46818368	Jun	monday
## 1569	1.672696980	5.739094e-01	-0.87774898	-1.51768917	July	wednesday
## 1570	1.435785274	-1.006579e-01	10.28590921	16.08501328	Oct	wednesday
## 1571	-0.781448530	-1.605112e+00	-3.77182120	22.26063700	July	wednesday
## 1572	1.338808171	-3.315441e-02	-9.25970230	0.99362524	July	tuesday
## 1573	-0.263636803	1.985193e-01	4.51544637	32.58992704	Jun	thursday
## 1574	1.884536728	-1.384051e+00	-9.85304555	-6.06625366	Aug	wednesday
## 1575	-0.317854129	-4.518658e-01	0.12386579	-12.10696395	Jun	wednesday
## 1576	3.259138535	-3.797483e-01	8.75749792	16.77134392	Aug	wednesday
## 1577	1.735539905	5.858273e-01	-9.06401064	-5.30232957	July	wednesday
## 1578	-2.969080272	-2.314621e-01	-4.73974067	-2.08690839	Aug	wednesday
## 1579	0.361318035	-1.879845e-01	1.37133517	-4.44965125	July	tuesday
## 1580	-1.385367851	-6.225603e-01	-7.49118413	-0.75671764	Aug	wednesday
## 1581	-1.679869851	7.797540e-02	-5.03323371	0.41413241	Jun	thursday
## 1582	-1.796029459	1.448750e+00	7.24826911	16.92447002	Jun	wednesday
## 1583	0.228665918	-2.564092e-01	1.13484243	13.44730104	July	tuesday
## 1584	2.879311418	-4.969241e-01	-5.28653823	-3.35803501	Aug	wednesday
## 1585	-0.155895535	-1.625495e-01	-1.19666444	-26.27717848	Mar	wednesday
## 1586	0.885900836	8.820213e-01	3.54512922	14.09002081	Aug	wednesday
## 1587	-1.213008205	-1.690197e+00	11.90361326	-1.64997618	July	tuesday
## 1588	1.940958587	-9.061408e-01	-6.14466034	-2.79281545	Aug	thursday
## 1589	-1.533662171	4.316327e-01	9.70554683	24.49169896	July	tuesday
## 1590	-0.816646887	-7.691623e-01	8.53198211	-9.90456114	May	wednesday
## 1591	-0.882935591	1.228215e+00	9.89609432	-9.49326462	Aug	thursday
## 1592	0.656666559	1.443945e-01	12.04555277	-18.20532803	Jun	thursday
## 1593	1.741571328	-3.823811e-01	8.33805340	17.88401950	July	thursday
## 1594	0.378706591	3.872421e-01	-4.92764446	10.04563229	Jun	tuesday
## 1595	-1.117413365	1.988950e+00	-3.70912959	2.29724773	Jun	wednesday
## 1596	-2.714413984	7.735673e-01	0.11675349	-1.50410974	Aug	thursday
## 1597	-1.850326438	3.346837e-03	-1.99496039	-7.38682846	May	thursday
## 1598	0.678335848	-3.354415e-03	-2.46022724	-8.02182148	Aug	thursday
## 1599	1.298455145	-1.256165e-01	-6.71712550	10.26308376	May	wednesday
## 1600	0.468687011	-2.940659e-01	-3.14830609	-3.62312895	July	wednesday
## 1601	-1.919212989	-5.208784e-01	8.61035126	-11.69864566	Mar	wednesday

## 1602	-1.627471743	4.261123e-01	0.60363966	-13.51053865	July	wednesday
## 1603	1.024988068	-1.513644e-01	-2.82309233	-17.99545312	Oct	wednesday
## 1604	2.811106060	-1.036917e+00	4.99769625	25.37827089	Jun	tuesday
## 1605	0.606346145	6.214787e-01	1.54514031	20.32956475	May	wednesday
## 1606	2.771953128	6.884407e-01	0.82800212	-5.59705942	May	thursday
## 1607	0.218549312	-5.526891e-01	-7.00303358	7.08306256	July	tuesday
## 1608	0.390546076	4.245506e-01	11.68203362	18.21887712	July	wednesday
## 1609	-0.427144098	-7.212238e-02	0.67277652	-16.81628115	July	wednesday
## 1610	-0.104952801	1.113492e+00	-4.74278362	-14.40887191	Aug	wednesday
## 1611	-1.411710505	-3.311256e-01	3.65229361	20.10110730	July	wednesday
## 1612	0.800583154	6.596022e-01	1.05719023	3.58267465	July	wednesday
## 1613	-1.146414132	3.644578e-01	0.86854949	12.01845240	July	thursday
## 1614	0.779384480	3.083264e-01	5.48950805	19.40099133	Jun	wednesday
## 1615	-0.237475489	-5.131136e-01	5.70606063	-9.45260657		thursday
## 1616	-2.296267012	-3.276715e-02	3.71896591	8.35341992	Apr	wednesday
## 1617	0.521261224	-8.130130e-01	4.72886426	-2.06366435	May	wednesday
## 1618	1.303648976	2.704413e-01	2.91213219	-4.69722767	July	wednesday
## 1619	-0.292465247	-1.000014e+00	-5.20994367	0.71093495	Aug	thursday
## 1620	-2.276588290	-2.131351e-01	-2.04255436	-4.93627351	Jun	wednesday
## 1621	0.423051282	3.699901e-03	6.16167277	5.54905817	May	wednesday
## 1622	1.601054322	-2.797316e-01	2.44794165	21.03657553	Jun	wednesday
## 1623	1.107296944	8.080182e-01	-3.79059990	-0.50368129	May	tuesday
## 1624	0.179995198	7.284512e-01	-1.22357628	-13.33552834	Apr	tuesday
## 1625	1.562971802	1.853016e-01	-1.62926908	-16.24733136	Apr	wednesday
## 1626	-2.444866456	-2.986241e-01	5.53705155	-15.68152435	Aug	wednesday
## 1627	-0.020212667	-9.115896e-01	-4.22215927	-3.13982644	Aug	wednesday
## 1628	0.636099938	-2.137117e+00	-6.07839771	-2.66527410	Jun	thursday
## 1629	-0.254255467	-1.039114e-01	2.32548384	-4.27199179	Aug	thursday
## 1630	-0.822439930	2.862027e-03	-5.64963028	-29.08787071	July	wednesday
## 1631	-2.221375987	3.609015e-01	16.37963264	12.37293618	July	wednesday
## 1632	0.671260928	-1.755040e+00	NA	-2.25941123	Jun	wednesday
## 1633	-1.052036510	-4.396452e-01	-4.01249071	13.36847927	May	tuesday
## 1634	1.910424912	1.280145e+00	-5.72239500	-0.65384548	Jun	tuesday
## 1635	-0.943644299	3.365015e-02	-5.57352623	3.55649118	July	tuesday
## 1636	1.055803506	5.670140e-01	-1.53577422	4.22268714	May	thursday
## 1637	-0.817172532	-4.096171e-01	-9.23547554	20.00292832	Apr	thursday
## 1638	-1.210700598	-2.795181e-01	3.39292644	7.04485613	Aug	wednesday
## 1639	0.807884717	8.566979e-01	-11.24739044	-31.67734895	Jun	tuesday
## 1640	-1.132856390	1.493080e+00	3.80228824	4.33624045	Jun	wednesday
## 1641	-1.130736786	-3.219540e-02	-0.55997961	-28.68121709	July	wednesday
## 1642	0.951942041	-5.462817e-01	1.54411784	-14.93513681	Oct	thursday
## 1643	1.529921505	1.342639e+00	-1.29917832	-5.53305984	sept.	tuesday
## 1644	-0.669420028	-1.387184e+00	1.44976146	8.69498697	Apr	tuesday
## 1645	0.639900044	9.988764e-01	9.02400170	-13.62840925	Jun	tuesday
## 1646	0.459863206	-2.262244e-01	0.76225277	-21.95496831	July	wednesday
## 1647	-1.197453754	-5.203072e-01	8.26902770	10.42287221	July	wednesday
## 1648	0.545754884	-2.532528e-01	-6.25982105	-0.06611430	July	thursday
## 1649	0.335901801	2.157100e+00	-10.26816873	0.80504608	July	thursday
## 1650	-0.790678436	-4.587061e-01	-3.14949907	15.69941139	Jun	wednesday
## 1651	-2.402122655	1.006319e+00	4.10096611	24.06742966	July	thursday
## 1652	1.799080680	3.903281e-01	-3.21987456	10.17157801	Jun	wednesday
## 1653	-0.170791891	3.816054e-02	-8.57717235	-26.59416654	Jun	tuesday
## 1654	-0.333454112	-1.194243e+00	-5.27415234	-6.05277198	Jun	wednesday
## 1655	1.530185923	-1.057896e+00	-3.90538665	9.76745932	July	wednesday

## 1656	-1.025628426	-1.681787e+00	2.16311532	12.28915499	Apr	wednesday
## 1657	-1.374226338	3.548105e-01	-10.87642126	-11.17493335	July	thursday
## 1658	-0.919185219	1.646332e-01	3.89105278	1.21185586	sept.	wednesday
## 1659	-1.985257996	-2.314552e-01	-11.96863424	-16.07011182	May	wednesday
## 1660	-0.060733481	-1.036729e-01	6.23968393	10.74405418	May	thursday
## 1661	-0.257114306	-1.115250e+00	-3.74301196	-5.90341526	sept.	wednesday
## 1662	0.048439689	-3.185295e-01	-4.80235307	-2.71972641	Jun	wednesday
## 1663	-0.814349401	-4.760232e-01	-0.97696220	17.88682557	May	tuesday
## 1664	-0.221246240	-4.803410e-01	3.14609601	12.00276567	Aug	tuesday
## 1665	3.031370643	-1.733780e+00	7.59785532	8.29340629	July	tuesday
## 1666	0.858723543	-1.772326e+00	-5.13431633	-17.06786542	May	wednesday
## 1667	-1.068978835	2.611550e-01	2.54102393	-13.06675993	July	wednesday
## 1668	-1.563394667	-8.378658e-01	-7.06614665	-5.89797684	July	wednesday
## 1669	-0.233251090	-1.311378e+00	0.40605365	20.29660835	Jun	thursday
## 1670	0.128460964	-1.012089e+00	-10.08658598	-12.58520577	July	wednesday
## 1671	0.191881668	1.177172e+00	3.08603455	-6.50576616	Aug	wednesday
## 1672	0.386937354	1.585976e+00	8.19115770	4.47199913	July	wednesday
## 1673	0.434261678	5.827738e-02	-2.00936713	15.92406271	July	tuesday
## 1674	-1.600742919	6.337624e-01	7.03929195	0.97345504	Jun	tuesday
## 1675	0.971117249	1.322668e+00	0.36593193	24.42223759	Aug	tuesday
## 1676	0.339634652	4.229127e-01	0.50798542	33.19545912	May	wednesday
## 1677	-0.276438202	-1.450714e-01	-4.53854868	11.58749722	July	tuesday
## 1678	-3.515434239	3.760333e-01	11.12144917	20.15401201	Jun	wednesday
## 1679	-1.462845704	-4.608414e-02	-0.09344521	-3.51420724	July	wednesday
## 1680	-0.611520578	-1.044992e+00	9.08219600	-3.26270886	Apr	tuesday
## 1681	-1.403143797	-4.808304e-01	-2.76277861	-9.75874527	Jun	wednesday
## 1682	0.312146135	-6.537903e-01	2.91606115	-4.09644357	July	tuesday
## 1683	-0.290163602	6.983758e-01	9.25627006	-15.62832497	May	wednesday
## 1684	-0.538595368	-3.387287e-01	-13.43863320	19.10656233	July	tuesday
## 1685	-0.450040020	-2.473258e-01	-9.38117122	-3.41891364	July	thursday
## 1686	-0.019681864	7.707919e-01	6.80276379	12.54048200	Apr	wednesday
## 1687	-0.707548084	6.762841e-02	0.38063018	21.83336624	Apr	wednesday
## 1688	-0.970855249	-1.586016e-01	4.72358389	10.58918781	May	wednesday
## 1689	-1.095046809	5.421287e-01	4.51433079	-13.96723048	Aug	wednesday
## 1690	-0.689835023	-1.335602e+00	-6.50902198	25.35816388	Aug	thursday
## 1691	-1.775541028	-1.993197e-01	6.44733282	12.09416072	July	wednesday
## 1692	1.386245761	-2.517127e-01	-7.56094397	7.41068595	July	tuesday
## 1693	1.092907088	-2.653505e-02	4.45527595	-16.55063850	Aug	wednesday
## 1694	0.363466914	9.305230e-01	-8.99256741	-1.83526031	July	tuesday
## 1695	2.064144983	2.347658e-01	-7.70656790	-10.61667380	May	wednesday
## 1696	-0.104172755	7.867474e-02	3.07484846	-7.55215937	Aug	wednesday
## 1697	-2.088716647	-8.408460e-01	5.75368136	-2.82772521	July	wednesday
## 1698	-1.609292152	-8.472372e-01	-9.83213051	2.04684323	Jun	wednesday
## 1699	-1.024065048	-1.412100e+00	2.83392718	-20.04538066	July	tuesday
## 1700	-2.502379259	-9.688354e-01	5.38414167	-4.71272610	May	wednesday
## 1701	-2.368193222	2.973011e-01	5.00794311	17.31671856	Jun	wednesday
## 1702	0.318795506	-6.198879e-01	2.95162340	21.00658027	Jun	wednesday
## 1703	0.985320166	-5.328250e-01	-7.45139806	-28.46507235	sept.	wednesday
## 1704	1.182479323	-2.118890e-01	4.97809275	19.80520394	Apr	wednesday
## 1705	-0.768413918	-9.996038e-01	-6.33104460	4.40442929	Aug	wednesday
## 1706	0.367668685	9.217346e-01	9.08714285	10.65253133	July	tuesday
## 1707	0.788586556	7.229797e-01	0.51762875	6.78122060	Jun	wednesday
## 1708	-1.940175436	4.290769e-01	2.40203775	11.86209288	Jun	wednesday
## 1709	-0.952330405	-9.007266e-01	-0.76224712	14.13197657	July	thursday

## 1710	0.005574722	-1.482146e+00	8.27706639	14.94111187	Jun	wednesday
## 1711	-0.565126904	-1.059589e+00	9.20277695	6.20917780	Jun	wednesday
## 1712	1.757038866	5.005052e-01	0.77341252	15.09809322	May	tuesday
## 1713	-0.004522694	-1.306053e+00	2.18560460	1.34706674	Jun	wednesday
## 1714	0.568518858	-7.520783e-01	1.12792226	-1.59760719	Apr	wednesday
## 1715	-1.481864423	-3.105719e-03	-1.85222249	-11.79589660	Jun	thursday
## 1716	-0.814166968	-4.985198e-01	-0.87158029	25.22807392	sept.	thursday
## 1717	-1.961540764	-5.927133e-01	7.50749149	11.06077490	July	wednesday
## 1718	0.272174954	-1.729094e+00	10.05811685	-8.66213180	July	thursday
## 1719	-0.315149644	9.955818e-01	-2.04582717	-24.61704036	July	wednesday
## 1720	0.465634841	1.332612e+00	-2.32677275	-3.58078809	Jun	tuesday
## 1721	-0.615237619	-1.434985e+00	0.56184276	11.67557706	May	wednesday
## 1722	-0.491191614	5.285280e-01	8.56798116	17.78193712	July	thursday
## 1723	0.570169554	2.384083e-01	-5.07046327	2.66945810	May	wednesday
## 1724	-1.449557580	-1.338061e+00	0.19756633	-13.62434683	Jun	wednesday
## 1725	-1.711394951	1.170027e+00	-4.26999674	-9.73542332	Jun	wednesday
## 1726	-0.652150732	-1.425133e+00	-4.50864336	-2.27135456	July	wednesday
## 1727	-0.166471121	-2.291295e-01	-6.14847922	3.29804712	July	wednesday
## 1728	-0.853253450	1.515798e+00	1.75195639	-0.31159635	Jun	wednesday
## 1729	-1.184921732	-6.529252e-01	-1.90735884	18.49696029	Aug	wednesday
## 1730	1.046436944	6.649567e-01	-11.86489444	5.37637699	Aug	wednesday
## 1731	1.170777840	-6.298329e-02	9.21532686	-9.18513158	Apr	tuesday
## 1732	0.260117629	-2.872194e-01	-8.72525392	-8.00858372	July	wednesday
## 1733	0.072189350	-4.292510e-01	3.43655922	10.00936397	Jun	wednesday
## 1734	0.470496155	-1.386071e-01	-6.54745575	2.99908284	July	wednesday
## 1735	-0.400710863	2.488357e-01	-2.08391300	-10.59834154	July	wednesday
## 1736	1.187817295	-8.391995e-01	-4.27363262	-3.02408821	July	thursday
## 1737	-0.530942693	6.437436e-01	-4.70339989	-0.04204154	Jun	wednesday
## 1738	1.936608969	-2.947663e-01	1.28978689	2.40216087	Aug	wednesday
## 1739	-0.205424375	-1.407818e-01	-5.90017109	-2.42657695	May	wednesday
## 1740	2.619404055	3.421591e-02	-7.64382410	-3.62163319	July	tuesday
## 1741	0.780764699	-1.536490e+00	-5.13052322	0.52527681	May	wednesday
## 1742	0.395391884	-6.307339e-01	-6.68399684	12.77309688	July	wednesday
## 1743	0.501382656	1.778021e-01	2.99824401	4.83652558	Oct	wednesday
## 1744	0.485004447	6.095406e-01	7.65396050	-14.15593585	Mar	wednesday
## 1745	-1.020353817	8.741684e-01	-2.55493406	-5.47576151	July	wednesday
## 1746	0.009309482	5.949384e-01	3.92623798	-30.20020567	July	wednesday
## 1747	-1.081354154	-1.481308e-01	-11.51214261	-20.21986530	Jun	wednesday
## 1748	0.029133827	1.335860e-01	1.63254805	6.66092947	May	wednesday
## 1749	-0.477920437	8.371783e-01	-4.41707925	7.19772981	Aug	wednesday
## 1750	0.733761808	-3.359049e-01	-10.42645885	-3.58021111	Aug	wednesday
## 1751	-1.058796135	-8.489036e-02	8.94374627	13.46882538	sept.	wednesday
## 1752	-0.732037418	-4.437236e-03	-1.44330599	-37.76145287	Jun	thursday
## 1753	2.214956565	-6.507614e-01	5.97926883	-17.35137412	July	wednesday
## 1754	2.104228176	6.137030e-01	4.91364165	2.17621976	July	tuesday
## 1755	-0.179759323	1.357316e-01	1.18138177	10.86615495	July	thursday
## 1756	-0.590178312	-5.712589e-01	7.02619310	-3.65661560	July	wednesday
## 1757	-2.539248812	-1.575439e+00	-1.80788118	-27.36758639	July	wednesday
## 1758	1.412702108	1.885024e-01	3.97673840	1.31636157	Aug	wednesday
## 1759	0.454147331	-3.504981e-02	10.01888076	-0.34511961	Aug	wednesday
## 1760	0.529015494	1.146629e-01	1.71670863	-20.83160920	July	wednesday
## 1761	0.341296163	3.711579e-02	-8.34205354	-22.91931925	Jun	tuesday
## 1762	-1.986371887	-2.075754e-01	0.47749223	13.86464163	July	thursday
## 1763	-1.795597042	-4.582243e-01	4.26074975	-19.10697251	Jun	wednesday

## 1764	-0.338243775	5.771862e-01	4.04634245	11.70380246	July	wednesday
## 1765	0.633059600	2.950142e-01	-3.66422598	8.67684095	May	tuesday
## 1766	1.310221073	-3.930157e-01	-5.24592031	5.83130402	July	wednesday
## 1767	-1.168464582	1.974549e-01	6.52992840	-11.01355479	Aug	wednesday
## 1768	0.765534632	5.281104e-01	-4.14377195	-2.33248902	Jun	wednesday
## 1769	0.627770070	7.451990e-01	-2.35072332	-1.42028822	Aug	wednesday
## 1770	-3.666937216	-4.911283e-02	-8.19213677	-4.16343616	Jun	tuesday
## 1771	0.151144354	-9.522537e-02	12.99411995	-7.62465381	Jun	wednesday
## 1772	-0.345135556	9.550737e-01	-0.17509869	-5.67294586	July	thursday
## 1773	1.473441329	-1.645202e+00	-0.68817711	11.24880084	Jun	wednesday
## 1774	0.379724853	-2.781545e-01	-14.32521618	7.65879700	Jun	wednesday
## 1775	0.490952422	9.199702e-01	-17.05313704	-4.25679644	July	tuesday
## 1776	-1.032064874	-1.860528e+00	1.41712392	-20.52257478	July	tuesday
## 1777	0.469475256	-6.104106e-01	0.80966249	34.72350539	July	tuesday
## 1778	0.345439406	3.630653e-01	-0.06691370	20.55667880	Apr	tuesday
## 1779	-0.277711269	-6.621638e-01	5.15555151	22.11738179	May	wednesday
## 1780	1.650599259	-3.164176e-01	-2.56481654	-20.03824666	May	wednesday
## 1781	0.891028520	-8.991779e-01	-3.65027065	11.68146358	July	tuesday
## 1782	-1.454867853	1.044887e+00	1.42109824	-32.00941126	Apr	tuesday
## 1783	1.079601621	-9.316102e-01	-2.16718258	-10.49228074	July	wednesday
## 1784	-1.139512223	-1.585575e+00	-3.19906560	-18.40173890	Jun	tuesday
## 1785	2.036651863	-1.049927e-01	-7.52804964	12.88476279	July	wednesday
## 1786	2.875394772	-8.641964e-01	-4.07485989	7.72107730	Jun	wednesday
## 1787	-0.471830310	-6.515927e-01	-7.41586024	8.26593016	July	wednesday
## 1788	0.066941018	-1.371739e-01	-0.86956815	0.80360654	Apr	wednesday
## 1789	-1.819887101	2.089515e+00	2.49603875	8.08935098	Apr	thursday
## 1790	1.617103505	-8.375115e-01	-8.55075086	27.64720126	July	wednesday
## 1791	-1.656565971	-1.123114e+00	-13.27954635	21.81899685	May	wednesday
## 1792	-0.357612537	5.880468e-01	3.00286766	15.05953570	Aug	wednesday
## 1793	-0.495946605	-1.377617e+00	17.78032111	-7.20203630	Jun	wednesday
## 1794	0.479364068	1.083108e-02	-2.94290571	21.12205216	Apr	thursday
## 1795	-0.118725827	4.952993e-01	-11.06332374	-22.59166798	July	tuesday
## 1796	2.033299521	8.393256e-01	-8.29147188	-8.02309825	sept.	wednesday
## 1797	-0.974190032	-7.455029e-01	4.56173690	22.27951124	Jun	tuesday
## 1798	0.062507828	8.207447e-01	3.16709015	5.48411880	May	thursday
## 1799	-1.222555543	-6.136171e-01	-6.93180452	-4.39418399	May	wednesday
## 1800	1.242872069	-1.768795e+00	2.04641471	9.59091716	Mar	tuesday
## 1801	1.695829427	-9.402261e-01	16.96918211	-2.68422609	July	wednesday
## 1802	2.635487191	2.534553e-01	-0.14757920	-23.61843381	Oct	wednesday
## 1803	2.031249837	-1.368352e-01	2.29870330	-0.44403246	July	wednesday
## 1804	0.928835982	4.067811e-01	-5.18840091	10.78420623	May	thursday
## 1805	1.256121358	-1.450988e+00	-7.45537536	12.02245538	May	tuesday
## 1806	0.501651541	2.385618e-01	-4.25835697	-22.77853241	Jun	tuesday
## 1807	-0.678855887	1.936413e+00	-2.01636964	13.15404723	Mar	wednesday
## 1808	0.505230930	3.861665e-01	-10.16641626	10.75307185	July	thursday
## 1809	1.506754722	2.324081e-01	7.37508882	-22.81542378	Oct	wednesday
## 1810	0.443129624	-3.011206e-01	7.31331371	-10.51910534	sept.	wednesday
## 1811	1.508366192	9.088082e-01	-8.18991362	-2.25829828	July	wednesday
## 1812	-0.980590964	-1.841502e-01	11.99741134	-2.18005088	Jun	tuesday
## 1813	0.358139042	-4.778299e-01	8.74497143	-12.62186570	Aug	wednesday
## 1814	-0.080396863	1.590608e+00	13.03851472	14.53470510	July	wednesday
## 1815	-2.062785759	7.812563e-01	-1.04719819	-20.79926085	July	monday
## 1816	-2.585014002	-7.808841e-01	3.32847107	-9.89439784	Jun	wednesday
## 1817	1.147218810	2.448632e-01	12.83926650	-33.57817756	Aug	wednesday

## 1818	1.376888128	-1.207584e+00	3.05345082	17.57952839	Apr	wednesday
## 1819	1.777645161	-8.715953e-01	5.24411406	10.84146203	July	wednesday
## 1820	0.509026897	-1.351534e-01	-10.46548839	-23.06644086	July	wednesday
## 1821	1.639932477	2.620908e-01	-3.26349164	1.33137168	Jun	tuesday
## 1822	-0.298620437	-1.150032e+00	4.21469293	20.24725914	Jun	tuesday
## 1823	-1.116056723	1.163680e+00	-4.49539512	6.21053253	July	monday
## 1824	-0.390724817	-6.884823e-02	10.20601592	-5.78894419	May	wednesday
## 1825	-0.037801855	-2.697174e-01	2.70472203	-10.95906246	May	tuesday
## 1826	-0.251713334	4.799614e-02	9.56990765	-6.48654153	sept.	wednesday
## 1827	-1.010948864	-9.872065e-01	1.65220150	4.16910560	May	wednesday
## 1828	0.029048076	-3.022880e-01	1.63801477	14.83494489	Aug	wednesday
## 1829	-0.490230533	1.014056e+00	8.18691386	-27.22936049	Jun	wednesday
## 1830	0.166796442	-1.090265e+00	-8.31950620	0.07355199	July	tuesday
## 1831	-0.756957360	-5.852964e-01	8.20276262	28.90211650	Jun	wednesday
## 1832	-2.519260213	9.354853e-01	2.21466157	1.13614752	July	thursday
## 1833	0.051938029	-1.757369e+00	-3.23118986	0.34363421	July	tuesday
## 1834	-0.283798484	2.796391e-01	2.42569729	6.87616469	Aug	wednesday
## 1835	-1.683335553	-1.718342e-01	2.93697778	19.82618518	Aug	wednesday
## 1836	1.555259077	-4.999866e-01	-16.72872396	22.43704937	July	wednesday
## 1837	-0.540372636	-9.596209e-01	-1.88059263	23.82497202	May	thursday
## 1838	0.494125196	-2.040958e-01	6.06101717	-3.46661788	Jun	thursday
## 1839	-1.264411782	-9.826450e-01	6.60783484	9.46377551	Jun	wednesday
## 1840	1.632146581	-6.180335e-01	11.81687435	1.27983185	May	wednesday
## 1841	-0.087691225	6.086198e-01	4.09409159	2.59673981	Apr	wednesday
## 1842	-0.099040106	1.514722e+00	1.24532365	-23.97043813	July	wednesday
## 1843	0.938733343	-3.879877e-01	0.12697872	10.59393419	May	tuesday
## 1844	0.111367745	1.253681e+00	0.36919400	-2.02179607	Aug	wednesday
## 1845	0.343280099	2.493798e-01	-6.05184588	21.67824327	Jun	tuesday
## 1846	2.327105812	2.196229e+00	4.13959583	20.63465375	sept.	wednesday
## 1847	0.101550372	-5.859105e-01	-12.20780208	14.46331808	Jun	thursday
## 1848	-0.694650442	6.922856e-02	-1.11600664	2.23699047	May	thursday
## 1849	0.236939264	-1.362343e+00	-1.42572177	12.71209052	Jun	wednesday
## 1850	-0.993102072	2.811449e-01	10.42653823	2.53957083	Jun	wednesday
## 1851	-1.238530975	-6.276219e-01	1.03384762	-9.83091957	Jun	thursday
## 1852	-0.456237690	4.554225e-01	5.06251480	20.07343794	May	wednesday
## 1853	-0.530920746	-1.513733e+00	14.15859083	0.46312520	July	wednesday
## 1854	2.219974409	9.616404e-01	8.45034577	-33.62188090	sept.	wednesday
## 1855	-1.475411565	-1.612543e-01	9.84572582	2.65921976	Jun	thursday
## 1856	0.013651599	-7.741165e-01	-3.60182922	-6.73003832	Jun	wednesday
## 1857	0.815801972	-1.435088e+00	-11.56997784	-21.21862970	sept.	wednesday
## 1858	-0.875474178	-9.873251e-01	-16.94100926	14.23583625	May	wednesday
## 1859	-0.898403849	-3.682898e-01	1.52414793	20.94763184	Aug	wednesday
## 1860	1.132856121	8.172020e-01	-9.73799764	8.43963334	Aug	wednesday
## 1861	1.013148361	4.713109e-01	-8.03061635	11.96290763	Jun	thursday
## 1862	-0.125913531	-1.115400e+00	13.30760225	24.49277779	Aug	tuesday
## 1863	0.653921680	5.049715e-01	-1.56242778	13.80368444	Jun	wednesday
## 1864	-1.617688785	1.515500e+00	-2.87604081	-15.93994984	Apr	tuesday
## 1865	0.246121621	-1.537658e+00	5.76272261	-29.36754145	Jun	wednesday
## 1866	0.285685610	-5.866607e-01	-12.31767603	-1.23272661	Jun	wednesday
## 1867	-1.313314889	-6.105120e-01	-1.26151334	11.72722267	sept.	wednesday
## 1868	0.716793728	8.601474e-01	-15.21296448	19.22920668	May	wednesday
## 1869	0.206855412	-2.899236e-01	-3.04797644	-2.00569159	May	tuesday
## 1870	0.359892336	-1.512564e+00	-9.54148011	6.87374953	Aug	wednesday
## 1871	0.518723113	-1.838751e-01	-2.74317220	-8.05434262	July	wednesday

## 1872	-1.043205312	-2.025025e+00	-4.33109945	11.68463635	sept.	wednesday
## 1873	0.016156284	6.705624e-01	6.16010550	-10.09147974	Jun	tuesday
## 1874	-0.043773786	7.124140e-01	0.02449917	-18.03025830	Jun	wednesday
## 1875	-0.673887155	-3.531257e-02	5.32660274	-1.98998643	Jun	wednesday
## 1876	-0.514071009	-9.802998e-01	11.33878315	-10.65576326	Aug	wednesday
## 1877	0.639273189	1.743668e-01	6.14678295	-16.29646435	May	tuesday
## 1878	0.935362265	-3.468919e-01	-1.10441068	15.47563844	Jun	thursday
## 1879	0.575842907	-1.106538e+00	13.58691925	6.23600202	May	wednesday
## 1880	-0.427025943	4.642308e-01	5.79250571	1.17384432	Jun	wednesday
## 1881	-1.206427638	-2.475048e+00	9.03925797	-3.17856902	Jun	wednesday
## 1882	0.447787691	3.785865e-01	-0.59967791	4.55603327	July	wednesday
## 1883	1.621693237	-6.096787e-01	-3.83529033	-12.01768331	Jun	wednesday
## 1884	-2.645065880	-3.269661e-02	-2.32385004	-10.42104926	May	thursday
## 1885	-0.822906711	6.794488e-01	0.74119269	16.89427973	Jun	wednesday
## 1886	-2.423638147	3.246127e-01	-6.02806977	-5.40894735	Jun	wednesday
## 1887	0.793803704	-5.381297e-01	-7.62803283	-8.32054672	Jun	wednesday
## 1888	-1.954683975	-1.029356e+00	-1.06649951	2.25164324	Jun	tuesday
## 1889	-1.596327657	-9.346049e-03	6.45606228	-24.59957488	Jun	wednesday
## 1890	1.890252725	8.796956e-01	11.32152912	0.12109667	July	wednesday
## 1891	-1.399810964	8.350262e-01	-2.82503631	9.44991047	Aug	wednesday
## 1892	0.245024753	1.139397e+00	3.62114616	12.22949006	July	wednesday
## 1893	0.245366492	-7.716476e-01	-5.36545219	-13.08350385	July	wednesday
## 1894	-0.424349611	-5.023066e-01	7.65843701	19.27623154	Aug	wednesday
## 1895	0.945927279	-2.006456e-01	0.73407511	33.75892997	Aug	wednesday
## 1896	1.797917913	-3.248678e-01	-7.20175096	-14.40777451	May	tuesday
## 1897	0.083642983	-7.141783e-01	20.17576340	-42.01422395	Jun	tuesday
## 1898	1.305896712	-5.731618e-01	-0.07701381	-17.87890626	May	thursday
## 1899	1.405337439	7.695476e-01	-1.61529252	6.02149136	Oct	wednesday
## 1900	2.565873330	-3.040684e-01	-1.15887382	12.07244028	Jun	thursday
## 1901	-1.928093161	-6.790526e-02	-3.12026376	13.82018747	Aug	thursday
## 1902	0.634962379	3.813670e-01	-0.80195763	-2.19942566	sept.	wednesday
## 1903	1.372079206	1.229187e+00	4.56486286	17.82396404	Aug	wednesday
## 1904	1.482669060	-8.495191e-01	-4.60096393	9.51252564	Jun	thursday
## 1905	0.947574672	8.910576e-01	13.88558139	-2.14351670	Aug	wednesday
## 1906	-1.056844575	6.289071e-01	2.11480482	9.21078037	July	wednesday
## 1907	0.235924146	-2.123104e-01	-7.54849110	-16.21645629	May	wednesday
## 1908	0.166516544	2.328016e-01	-3.88356163	-4.47865622	May	thursday
## 1909	-0.486884438	-1.021458e+00	-0.76623725	10.92048259	sept.	wednesday
## 1910	-1.190667972	2.965559e-01	-12.11009678	0.75522965	May	wednesday
## 1911	0.451269994	-9.348285e-01	7.94292796	0.17634032	Aug	wednesday
## 1912	0.142320746	1.217495e-01	-4.13705161	-8.64584624	Jun	tuesday
## 1913	-1.444905066	4.942693e-01	-13.62980691	1.49996264	July	wednesday
## 1914	-0.067856190	-2.343144e-01	4.06741858	4.85989162	Jun	thursday
## 1915	-0.357873336	-2.250522e+00	4.66847488	-11.73574300	Jun	wednesday
## 1916	0.956705593	1.732445e+00	-17.44250783	-23.46757239	July	wednesday
## 1917	1.480635246	-8.014337e-01	7.89918068	-1.94138061	Jun	wednesday
## 1918	1.942579369	3.547400e-01	-0.06734895	6.44456774	July	thursday
## 1919	2.693820979	-1.013318e+00	-6.94882750	-20.40586399	Oct	wednesday
## 1920	1.473252844	-4.420371e-01	-0.74177349	9.77370883	July	tuesday
## 1921	-0.511896354	6.618246e-01	3.40649689	-16.91846635	May	thursday
## 1922	0.310002838	-1.536910e-01	1.65007577	24.75552488	Jun	wednesday
## 1923	0.814079766	-4.162350e-01	-6.91897444	13.48384309	Aug	tuesday
## 1924	1.926222042	1.026758e+00	-5.09896502	-8.70433658	sept.	tuesday
## 1925	-1.692908463	-1.853051e-01	12.73899093	7.30391705	July	tuesday

##	1926	1.197733342	-2.897869e-01	-2.20419811	-10.66057381	July	thursday
##	1927	0.021919168	-1.684939e-01	1.66235656	-11.22512916	Jun	wednesday
##	1928	-1.636394860	2.779935e-01	4.26771343	-8.65258406	May	wednesday
##	1929	-0.263759808	-4.966783e-01	-1.33601549	-21.39563696	Aug	wednesday
##	1930	0.747685920	-2.004825e-01	-5.93950629	-5.18472765	May	tuesday
##	1931	-0.342750822	-4.483027e-02	16.91799074	4.98920235	July	tuesday
##	1932	0.829176555	-8.126167e-01	0.66767314	17.45387932	Jun	wednesday
##	1933	-0.960553543	1.966414e+00	2.22634172	6.80897158	Aug	wednesday
##	1934	0.479226488	-1.015837e-01	-1.77323545	14.20120990	May	wednesday
##	1935	2.037101501	1.477392e-01	6.63873420	25.20661751	Jun	thursday
##	1936	-0.699128026	8.816391e-01	-3.09578162	2.50839211	July	tuesday
##	1937	0.230475281	4.649420e-01	-3.70173650	0.23865553	Aug	wednesday
##	1938	-0.490113552	-5.718705e-01	3.27154171	-11.38516401	Jun	thursday
##	1939	1.136905885	6.381118e-01	-4.31686524	23.81466115	July	wednesday
##	1940	-0.670971591	1.010768e+00	-4.04433481	-31.55349741	July	tuesday
##	1941	0.358480304	7.234013e-01	-5.64466547	4.43167259	July	wednesday
##	1942	0.046031213	-1.598156e+00	-7.98935450	14.45436439	May	wednesday
##	1943	-0.688625640	3.489227e-01	6.61027598	24.91539133	July	wednesday
##	1944	1.463256147	-4.207935e-01	0.11094949	-9.60194235	July	wednesday
##	1945	0.240351575	-1.664568e+00	4.47070829	9.71147106	May	wednesday
##	1946	-1.007586800	-4.874184e-01	-2.71853092	-10.81517107	Apr	wednesday
##	1947	-0.246697834	5.198481e-01	1.01516244	36.32138018	May	wednesday
##	1948	-0.549163650	-7.314326e-01	-13.44342932	3.53584520	sept.	tuesday
##	1949	-2.014212375	5.486635e-02	9.41413189	3.53107634	July	thursday
##	1950	-1.778892644	5.648767e-01	4.37036033	17.85156754	May	tuesday
##	1951	-0.645854345	-1.211274e+00	11.98420359	-12.73065092	sept.	wednesday
##	1952	1.054441880	2.562216e-04	-6.91132440	7.53900947	May	thursday
##	1953	1.885069301	4.716234e-02	4.72929014	-7.62079154	Oct	wednesday
##	1954	0.750257160	4.738223e-01	12.69897064	-7.35852028	May	wednesday
##	1955	0.943767122	1.364807e-01	10.08193604	-10.60587420	Jun	wednesday
##	1956	0.728503972	-2.924138e-01	-3.88518392	-27.05981337	July	thursday
##	1957	-0.399326193	1.257338e-01	-15.09612751	3.40559066	May	thursday
##	1958	-1.050794972	6.578971e-02	10.03982475	8.83483897	Aug	wednesday
##	1959	-0.519048089	1.341009e+00	12.69637833	2.89301817	July	wednesday
##	1960	0.510430024	3.268808e-01	-6.98792683	5.42404570	Jun	thursday
##		x31	x32	x33	x34		x35
##	1	-3.8516690308	0.00	-1.9400312949	-5.492063458	0.6271211444	
##	2	1.3915941705	-0.02	2.2114621839	-4.460590822	1.0354610986	
##	3	-3.2620816616	-0.01	0.4196067765	-3.804056163	-0.7633565357	
##	4	-2.2852409036	0.01	-3.4427145429	4.420159829	1.1645317075	
##	5	0.9210474525	0.01	-0.4316396247	12.165493655	-0.1677258803	
##	6	1.1688496706	-0.01	0.9628134130	2.934661110	-2.7254768087	
##	7	-0.7714552662	-0.01	1.4876521317	19.546646861	-4.2790373048	
##	8	-2.8234800685	0.01	0.4676165815	10.537118273	0.0617394007	
##	9	-3.1342301599	-0.03	-0.7045580553	-9.100506560	6.5442669590	
##	10	-2.1506368008	0.01	2.7925619825	-5.347096291	1.0845124068	
##	11	5.1620312250	0.01	-3.2804319681	5.477774355	4.2985989469	
##	12	-0.0025949736	0.02	2.2138677765	1.571706971	1.2394890227	
##	13	0.6501919765	0.01	-2.2410707509	-15.237309278	0.6295695785	
##	14	1.2034627794	-0.01	-0.5224563782	-12.537867554	-0.4738936307	
##	15	0.8293118835	0.00	-0.7084663927	-6.669251667	-0.3304927540	
##	16	-2.0681442824	-0.01	-1.2385460791	-5.213736043	2.2553065830	
##	17	-3.8668603850	-0.01	1.3236440008	2.647041157	-1.2297480551	
##	18	0.2555242478	0.00	2.9088096109	-9.367589859	-4.1443779961	

## 19	-0.2169864725	0.00	-2.9029351079	14.768571820	-2.0191757200
## 20	1.2184761813	0.00	-2.0405581576	11.702135522	4.8708837629
## 21	-1.4080115128	-0.02	4.4826925179	4.852200921	-2.0250914539
## 22	-2.5475413036	-0.01	0.4264262057	15.701514989	5.3233529985
## 23	0.8926842355	0.01	0.4962891975	-9.234964533	-2.4620899631
## 24	0.6129621289	0.00	1.3010075951	-9.129685176	1.1149025783
## 25	1.8226101726	0.00	-0.3518624076	-7.075166348	-4.0588350831
## 26	0.9673784618	0.02	2.1637100313	-4.904353063	-1.4896161277
## 27	3.8226796627	0.01	0.4522182079	-9.693112744	1.6772357410
## 28	-1.7547868072	0.01	0.0342308878	-16.434014450	-1.3131265100
## 29	5.8512591875	-0.02	-3.3552033920	8.959839806	2.0781875707
## 30	-4.6335170433	0.01	3.8091369674	9.212995885	-1.2138372380
## 31	-0.8110117868	0.02	-0.1943381672	-4.235669661	0.4574334302
## 32	-3.6270902799	0.00	0.5573097030	-1.775165026	2.6558500193
## 33	-0.6575094817	0.00	-1.6788681149	0.511248862	-1.7689887614
## 34	-3.1090399609	0.00	0.7438591404	3.674489751	0.0898243991
## 35	-4.4557946545	0.00	0.1797107133	2.544396675	2.8430673862
## 36	-2.3855083793	0.01	-1.5282217424	-6.030530233	1.0692127967
## 37	0.4157051333	0.00	4.1407103579	-2.771210470	0.7450577636
## 38	4.3920269854	0.00	-0.1889186460	-17.543159942	-0.2757306912
## 39	-1.9144518782	-0.01	2.6951425901	-1.391870353	-0.3254147386
## 40	-2.2638158542	0.01	-1.6486238651	-7.309994709	-3.6557524627
## 41	-4.8875941859	-0.02	-1.3601516315	-8.325530800	-0.3833770355
## 42	-0.8705545633	-0.03	-3.0564712232	-3.432462158	-1.2643151395
## 43	2.4536451903	-0.02	1.0183031823	-9.253097415	-0.2266303728
## 44	0.3747997345	0.00	-1.5319244470	-14.792735895	-4.7596891379
## 45	3.6073939644	0.01	-0.4132885975	-12.564004531	1.4279450723
## 46	-0.7110522367	-0.03	4.1397185795	13.185084926	1.8904129687
## 47	0.5843495981	-0.01	1.5793172163	-31.890376633	-1.7634736123
## 48	-0.8568424241	0.00	1.7678649232	-4.136006628	-0.6361886172
## 49	0.8912546387	-0.01	-0.6065257245	9.832084318	-1.3809305276
## 50	0.0698973304	0.00	-0.0442379346	1.051073267	-0.0654976577
## 51	2.3080316183	0.02	-3.2415285233	2.770134199	-1.9793221889
## 52	3.6063286631	-0.01	-1.1310890303	10.895325309	-2.2185868488
## 53	-2.0533083146	-0.03	-2.2639377314	3.642995349	0.7792617096
## 54	3.9199813568	-0.02	-0.3974602022	-3.890165684	-2.1662989657
## 55	-2.6947058571	0.00	0.5867195100	-3.313653216	2.0572542984
## 56	1.7046432743	-0.01	-1.7341551722	-16.298365981	-1.5650051799
## 57	2.9345582251	0.01	-2.1750416500	4.725054693	1.4532608981
## 58	-0.6681609643	-0.02	-1.6549303300	-7.488625823	0.5627443984
## 59	-4.4945981528	0.00	-0.1622672784	4.666800921	-2.5778836189
## 60	0.0771259471	0.00	-0.7305585929	-5.566211592	-2.5333353619
## 61	-3.0205454357	0.00	-1.9177657770	6.863949100	-4.2835973054
## 62	-1.1752362399	-0.01	-1.9136033990	2.561075369	2.1819077773
## 63	1.8862624477	-0.01	0.6994465029	3.538375462	-2.1669955597
## 64	2.7817941950	0.00	0.2753886702	-1.715098954	2.7604914411
## 65	0.7658136695	0.00	3.2040650568	2.666367492	-0.5930812503
## 66	2.0346647748	0.00	-1.8490840523	12.347305518	2.3589008066
## 67	-0.3559461078	-0.02	0.9042799527	9.889486281	-2.1226300919
## 68	3.9054159645	-0.01	1.9911009992	-4.589473311	0.9885781984
## 69	-2.3444013426	0.00	-0.8264585253	11.533724366	-4.0543237746
## 70	-2.2780216243	0.00	3.0602598861	2.652959466	-8.1680058252
## 71	-5.5996254866	0.01	-0.7571468011	-3.758169413	-1.4780886451
## 72	2.3823955844	0.00	0.3049034258	-2.695992331	-0.5139013380

## 73	2.3203009923	-0.01	-0.5213988994	-0.101603457	3.4233373080
## 74	-8.7693910024	0.01	-1.4122181704	1.930799732	-1.5505678431
## 75	0.5335761973	0.00	-2.1022210976	-8.191959744	-4.8142214976
## 76	1.0852568825	0.00	-1.3898934851	-1.787362414	-2.0214051757
## 77	-1.3219580810	0.00	-0.3165756526	7.314404804	0.4445136568
## 78	-3.8353414520	-0.01	0.1213689943	-11.476018790	-1.8764886181
## 79	2.9856737649	-0.01	2.7500873882	-15.250305129	-0.0717038170
## 80	0.2045670354	0.01	1.5577663154	6.294266812	-2.0136896662
## 81	2.5631460846	0.00	-1.1136425673	-8.099556437	3.3338375138
## 82	-0.4392708516	0.01	-1.5463801257	14.813162161	2.1551660749
## 83	2.0434817243	0.01	1.3386685557	-4.091648029	-1.2729803215
## 84	1.1691579408	0.01	1.3826564670	0.113196714	-0.9394427998
## 85	3.1131621181	0.00	1.4295086491	14.847111210	-1.8661372768
## 86	-0.6972089090	0.02	-1.6693106187	-2.018186240	-1.3670768840
## 87	-3.4792205259	-0.01	0.7744199322	-0.774907641	-0.5657371606
## 88	3.4833337096	0.01	0.2879960754	4.620426498	-2.4602734907
## 89	-2.5316803074	0.00	-1.1060409417	4.790330619	-0.8201889791
## 90	0.6361388633	0.01	3.2707681992	6.795143392	0.2076055550
## 91	-6.5827569724	0.00	0.7012619778	-2.670562877	-0.2958138063
## 92	1.4911363886	0.01	3.7507966841	-13.604919172	-3.5783791983
## 93	2.4931260742	-0.01	-0.1101988675	-5.922526962	-3.2986844520
## 94	4.2696867968	0.01	-1.1366253277	-8.473726214	0.0449883796
## 95	2.4152966565	0.02	-1.3674211944	4.761999563	-2.3646966942
## 96	-2.7140298878	-0.02	-1.6271308120	20.011042486	-0.5405064929
## 97	-1.4090759353	0.00	-0.5160705068	3.505614249	0.2014020303
## 98	0.5833496851	-0.01	-0.6090937585	-5.432914168	-0.2416289674
## 99	2.3128247350	0.00	-0.2328894485	9.338277227	4.1357816648
## 100	5.3792415120	0.00	-0.2339205825	-10.620072910	-1.6239094369
## 101	-2.3566298979	0.01	-0.8583566916	-10.606984146	0.9596839543
## 102	0.4625641019	0.00	-0.3644561459	6.523066400	1.9284686454
## 103	-4.2423294236	0.01	2.8080953968	5.145033901	-2.1730553894
## 104	2.7014726633	-0.02	-3.8778520220	2.247068025	-3.0601559752
## 105	2.0195635393	0.00	-1.9907831265	-15.690006105	4.4015277652
## 106	-1.1661946084	0.02	-2.8067931671	2.045766737	0.0395130467
## 107	-0.2815133381	0.01	-0.0341935076	-1.959340881	-1.8006822413
## 108	1.5947101151	0.00	1.3044386863	5.564509976	0.6478911085
## 109	-2.8519719188	-0.03	1.5034633270	2.677691851	-1.1565047429
## 110	1.0660073835	-0.01	1.4982463057	13.267333074	2.0056959797
## 111	-2.2461878919	-0.01	0.0577292598	11.321517240	0.7239286091
## 112	-2.8127398469	0.01	0.2112851060	-2.719136116	4.1899557978
## 113	-3.3543239145	0.00	-0.1961883141	0.626245416	0.0090724997
## 114	-1.4005098166	0.00	2.1257828839	0.653704611	-2.8434444148
## 115	0.7869488098	0.01	-0.4072604939	2.329211226	3.4108379237
## 116	-2.0609146331	0.02	-0.8590306812	-9.283852371	-0.4210148014
## 117	2.3242247586	0.01	-1.7411404927	-6.871894709	0.9973976534
## 118	-0.4356890723	0.00	-1.8250149446	-12.739872668	-1.0898535568
## 119	-6.4883382454	0.00	-2.8248593090	-2.664059089	-2.1452901289
## 120	3.3252963952	0.00	-4.5671512407	0.128357366	-0.2312170354
## 121	0.0031830691	-0.02	1.0493384474	-4.153718907	-0.2982842968
## 122	-0.1577490573	0.00	1.3784128022	6.422203967	1.0251797446
## 123	-3.0259735714	0.00	-0.9742770089	-4.839918037	-1.1848156081
## 124	3.3304862521	0.00	1.5430251630	1.307358857	-0.6419086577
## 125	-0.5966154528	0.00	-1.5209453238	6.657046231	-3.8009677186
## 126	3.7796586652	0.00	-1.0911898291	12.217227382	0.2697470773

## 127	-2.9962482027	0.01	-1.3557719751	-6.787575217	0.9238523693
## 128	-0.8852039625	-0.01	3.9670578031	-0.166508389	-0.7458562880
## 129	-0.9382145775	0.01	3.7670262202	2.308363773	-0.9084001123
## 130	2.5360890087	-0.02	-3.0075810866	-0.395277422	0.4641721490
## 131	-0.6480970449	0.01	3.1908337639	-5.962002689	1.6563203568
## 132	3.3385647297	-0.01	2.7561883143	-7.119846413	-2.6877565107
## 133	-3.3549674818	-0.01	1.6587752809	10.692275770	0.6853690317
## 134	-0.5805400105	-0.03	1.4102186582	-2.143467244	-2.9048544913
## 135	-2.6828666406	0.01	-1.1836514848	5.346678458	0.7280765976
## 136	-3.8307168593	0.00	-0.3935796960	0.227757084	6.8310289409
## 137	2.9286252310	0.01	-1.7124123759	7.736320989	1.2841773683
## 138	-0.4596403496	-0.01	-1.0385975498	-8.778663352	-0.4260950033
## 139	-1.2745515715	0.00	-1.2937340891	0.387087536	-1.4974246484
## 140	-1.5849005980	0.00	1.0803255357	-8.703256856	-0.5810140029
## 141	-1.8356182755	0.00	1.2937191299	1.046681947	-1.6119359993
## 142	1.9926437757	0.00	3.2986898503	6.937504801	0.0151405414
## 143	1.1699763397	-0.02	0.9217844961	-5.443505061	-0.5796344143
## 144	0.5455939184	0.01	-0.6704693615	-2.748002322	-0.6915402387
## 145	-2.0159452277	0.02	1.9154331486	-1.420479012	-1.4454751440
## 146	-0.3934776273	0.00	-1.3898216252	15.685857286	-5.4669792154
## 147	-3.7282869432	0.00	-1.8937126006	4.345073515	3.2578744463
## 148	-5.4499019919	0.01	-0.9386076370	20.530166371	0.3033994057
## 149	-7.0667210554	0.00	-0.4141848066	-5.900271737	-2.9707837058
## 150	1.0549928778	0.01	0.6407880821	-0.414546046	4.5202876307
## 151	0.6923983372	0.01	1.4602785118	10.679512172	2.1664311694
## 152	1.0407438491	0.00	-0.5222615168	8.813229656	4.6689763732
## 153	3.1854487421	0.01	0.3966150566	1.703733805	-0.6747569202
## 154	3.6207595530	0.01	3.6859449232	-9.704197706	1.0239928868
## 155	-5.5940576233	-0.01	2.3925012695	9.628118441	2.3247432936
## 156	-1.7654042028	0.01	-4.0892481452	1.137426348	4.3764625392
## 157	-2.9944668147	0.01	2.0361362465	2.807397340	0.4603495681
## 158	0.5142207945	0.00	1.5183426973	-20.479133068	0.8321720352
## 159	-0.7357204064	-0.02	-1.3699888302	-8.882223987	-2.7053077512
## 160	-2.8745416046	0.00	0.5741077485	-8.046948086	-0.2487901483
## 161	-6.0734779035	-0.01	0.8659670309	5.918714275	0.3103284732
## 162	2.3039288086	0.00	1.6736085997	-4.894756029	-0.4638305012
## 163	-5.4923515592	0.01	-3.2687334316	1.188891483	-0.1262065847
## 164	-0.2107630360	-0.01	1.3254115738	17.325487505	0.4646454103
## 165	4.1976097602	0.00	2.2874699181	-5.006570827	-3.7253259417
## 166	0.3355503832	0.01	-0.4116719757	-1.825577208	1.6720304404
## 167	1.1504508794	0.01	0.4489636264	-8.104829099	-1.0218717956
## 168	-0.5698746048	0.01	-1.3214523182	-2.546036161	0.3636656579
## 169	-0.2017754994	0.01	-0.7178980445	8.748517226	-2.9855563537
## 170	-2.6906181715	0.01	0.6833309634	-6.215924167	-1.3498009833
## 171	3.5655434342	0.00	-2.0532803463	10.388686735	0.6941497348
## 172	-3.0552760710	0.01	-0.4141530770	3.167126687	-3.0836778449
## 173	3.2059198426	0.01	-1.7678143676	-4.080270081	-3.4100079955
## 174	-4.4217945180	-0.01	-1.6352756937	19.260027721	-2.6345314138
## 175	0.9181997961	-0.01	1.3182572275	-8.433675616	1.6548519096
## 176	-0.6719890753	0.00	2.0327420649	7.689612854	3.3648070266
## 177	0.3598835734	0.00	2.3131479361	-20.320544414	-1.3561602398
## 178	1.3894276608	0.00	-1.5920459964	-6.907270042	-6.6020528429
## 179	0.2032888752	0.00	-1.3259152340	0.501753576	4.4030075208
## 180	-0.6879699906	0.00	-1.5011170540	-11.367581050	-2.1004271419

## 181	6.2708860745	0.01	-0.9950186116	4.342942785	-2.6351669027
## 182	4.8249226687	-0.01	-0.2374156250	2.143864229	-2.6825590708
## 183	-5.3953731019	-0.01	-0.2701589795	-5.917150092	-2.5249892651
## 184	-1.6295345086	0.00	3.4310010373	6.566554617	2.8354314189
## 185	1.5910845551	0.00	-1.7936537787	5.457551772	1.7028581160
## 186	-0.6794712612	0.00	1.8311710788	9.940292678	-3.5236823893
## 187	-0.6902230552	0.00	-1.6105983723	17.363068928	-1.2585412925
## 188	2.4688072753	0.00	0.5766493222	-19.227455523	3.1407991115
## 189	-2.7845087150	0.00	0.2360893514	4.917609124	-1.4877156106
## 190	2.4412572805	0.00	-1.0207812439	-2.582746781	-0.6806591443
## 191	4.1995664062	0.01	0.1452819796	-12.150043797	0.7696105725
## 192	-2.7043192060	-0.01	0.0812616287	-7.096643212	1.8955926267
## 193	2.1086276780	0.01	-2.8474696292	-0.414607872	1.4292179384
## 194	-0.8177475673	-0.01	0.6257681566	-1.364754701	1.4113962132
## 195	1.8996028985	0.01	-0.9862912678	-8.208361040	0.8586137273
## 196	0.6164622279	-0.02	-2.1615661779	0.182386754	3.0188152123
## 197	-1.0601110125	0.01	-3.4141156024	15.269616209	-0.1281019537
## 198	4.9121773514	0.01	-0.5546940773	-10.682439491	-1.4261178508
## 199	1.6064552804	0.01	-0.5907314115	-2.447749553	2.0176081293
## 200	-0.0173388494	0.00	-1.4350364706	12.566776458	5.5924351114
## 201	1.3257502468	0.01	0.1242600457	8.416392509	-0.6972943644
## 202	0.5880143101	-0.01	-2.0414938964	12.277725123	1.2240467779
## 203	3.3724812828	-0.01	-0.1112489945	-14.363798065	-1.7386557145
## 204	2.7157921595	0.02	-1.3340576912	-3.159422949	0.3656108275
## 205	-0.5869594698	0.01	1.5574357728	-8.778824996	2.2534536671
## 206	-1.6133106296	0.01	-0.7251578501	-2.939419820	-1.2970947580
## 207	-3.7488207080	0.01	-1.2580046424	2.735082018	-1.5870551153
## 208	1.5290017041	0.01	-0.4153649357	6.096725106	-0.1039260213
## 209	0.7168333056	0.00	0.4100779838	-6.158179614	-0.3479563200
## 210	-2.6227535948	-0.01	2.3059281974	-5.468372002	1.2539784526
## 211	3.6697354031	0.01	-0.8790583868	-1.618931522	1.1434320165
## 212	1.0572862432	0.00	1.6755556751	-2.588307388	-0.3864145673
## 213	-3.8726880033	0.00	-0.8478201727	8.526958361	0.5861027133
## 214	2.8959189585	0.01	1.4613394507	-3.196521312	1.1742923624
## 215	3.4023419984	0.00	-0.0743290050	4.065492906	1.9054943044
## 216	5.1174981887	0.01	-0.1861474045	-0.929284280	-0.3919717350
## 217	1.8559869485	0.00	3.2745415838	13.704182763	-0.1640154312
## 218	-3.4933150544	0.00	3.5448053490	10.321858274	0.5614207363
## 219	-0.2304398397	0.01	1.1508151142	-7.599443424	3.0127269509
## 220	6.8612607257	0.00	0.0679093131	7.163481679	1.0850959783
## 221	2.0858119330	-0.01	0.8262804361	0.417167902	-1.6076733062
## 222	-2.9203299566	0.01	0.0585022664	14.678522630	-0.4404118572
## 223	1.4061590931	-0.01	1.9806608809	-2.861335976	-2.4256775025
## 224	-4.1315301885	-0.01	-0.5143171461	4.256626079	0.2071034799
## 225	0.7336098608	0.00	2.4720037288	11.049954393	1.0531455507
## 226	-0.5741311784	0.00	0.0294085024	5.776483160	0.4224619547
## 227	-0.8528117434	0.00	-0.5317853231	6.145671133	0.6514714288
## 228	2.2090611065	-0.02	0.9324455693	-6.910008143	3.1457323122
## 229	-3.9738497816	0.01	0.1251195449	7.110030943	0.3334202389
## 230	-3.1462631623	0.02	0.3328003728	-0.203944170	-2.2483361658
## 231	-1.4803688181	0.02	-2.1656678808	-3.324158738	-4.5356793530
## 232	0.5811561023	-0.01	-1.1398717480	-4.093966472	-5.1008287251
## 233	2.1043231009	0.00	1.0979590290	-0.124740546	1.8113402490
## 234	1.9583668198	0.01	-0.0183027639	4.421426862	-0.1176555056

## 235	1.7788273062	-0.01	0.2059219583	-2.801229074	3.6018493125
## 236	3.9088917478	-0.01	-2.3640946409	-6.916223624	-1.8272491366
## 237	-5.0542455204	0.00	-0.7955089286	7.269849202	2.7612002918
## 238	-1.8131184374	0.01	-2.7726575907	-7.935887244	0.9891920799
## 239	1.1623613088	-0.02	0.7712066384	4.433861275	2.8032201235
## 240	-0.8799594279	0.01	-0.9799687590	-2.366750037	-1.4796194480
## 241	3.7181774315	-0.02	-0.4409876132	-5.935394417	-4.5065603229
## 242	0.7932717642	-0.01	2.0768733050	-0.762861078	0.8151072621
## 243	6.7050897711	0.01	0.4399567704	9.514276897	-0.9950091217
## 244	-1.3181034665	-0.01	2.2356639108	-2.521297608	0.7870212129
## 245	2.7441152102	-0.02	-0.0576990149	0.845784848	-2.7567391262
## 246	-0.5193134911	0.02	1.7217168988	10.029120969	0.4892721883
## 247	0.8525128441	-0.01	0.4171607389	-4.333651454	2.0825625660
## 248	4.6886426074	0.01	-1.1123192515	2.436078512	2.1381441613
## 249	-2.0602488178	0.00	1.2947223050	9.350010922	-0.0277635153
## 250	-1.6275343558	0.01	-0.6713651420	3.337276487	0.0504679792
## 251	-1.9024387183	-0.02	-0.7161014772	3.906806937	2.0555067795
## 252	1.7726026221	-0.02	-2.0668908006	-3.051161668	6.2742499247
## 253	7.6783532133	0.00	-0.0669606813	0.500193720	1.5813920567
## 254	-2.2534153599	0.00	-2.0361892141	-6.384000340	2.3634198043
## 255	-1.5701896825	-0.02	1.7159540217	5.346684343	0.4431632857
## 256	-1.2891263918	-0.01	0.9169489951	4.324279477	-0.6001217591
## 257	0.6082695743	0.00	1.6790734894	-6.707228814	0.2598422692
## 258	-3.6600157129	0.02	-0.0661997501	-6.322840798	0.2691513436
## 259	1.2711900269	0.01	0.4845453792	5.493914283	2.6881877292
## 260	3.8872357750	0.00	-0.7440827135	-3.721968243	-0.9416319256
## 261	-2.8368950747	-0.02	0.5119365889	-2.236820743	0.5318174173
## 262	-1.8801644829	0.01	-0.4868608513	-9.072080046	0.9293759295
## 263	2.5106105096	-0.02	-2.5404865098	9.161728255	1.2331822235
## 264	0.2256292158	0.01	-0.7026536221	-0.230995878	-1.4304868213
## 265	-3.6991634499	0.00	-0.2444344259	-1.236381317	-1.5513818032
## 266	-2.0622342900	0.00	-5.7370174971	-3.237451933	1.3297306184
## 267	1.4799349451	-0.02	3.2158081610	4.633127187	-5.6730911784
## 268	-3.4379276841	0.00	-1.8318322682	14.500627948	-0.4050362605
## 269	-0.9491740129	-0.01	0.5109917433	-2.920948347	0.2027002344
## 270	2.4436218447	0.00	1.8254726531	-0.756754212	2.0758628212
## 271	-1.6134670455	-0.01	-0.9110028215	0.926357865	-2.1289577976
## 272	-0.9335757764	0.01	-0.3940945474	-13.647785569	0.4600792861
## 273	-0.8575884447	0.00	0.5846429379	3.555690219	-4.4042413149
## 274	-0.4858541761	0.01	1.7907641356	2.164980965	4.0405210313
## 275	-3.6458233392	-0.01	-1.1243688972	7.463378119	-1.0000907372
## 276	1.5058716574	0.01	0.0366917801	-2.097426117	1.8002614741
## 277	-2.7766734681	-0.01	-1.1426215400	-0.235558437	-2.8516402693
## 278	0.5390427213	0.00	-3.1083438881	-5.685651349	5.5944009808
## 279	1.2724405512	0.00	-0.8340323642	0.833486309	-0.7995906443
## 280	1.6634963716	0.00	-0.3246580480	-0.313987157	-4.3712280883
## 281	-1.4454728578	0.01	-2.3077680156	-7.267289002	2.0806983117
## 282	-1.4610457878	0.00	-2.3405204134	-9.364900284	-1.8774220496
## 283	-0.3000093990	0.00	-2.2415086587	5.262740618	3.2597703226
## 284	4.3465479383	-0.01	-2.6140664825	-0.604642234	-1.9709534606
## 285	-2.1874184083	0.02	1.6263201124	-7.186954807	-1.6822238391
## 286	-0.5101680638	0.02	2.2911534833	-8.287642263	3.0959493007
## 287	-3.6509626912	0.01	1.9756779859	-10.267954263	-4.1116443391
## 288	6.4581048509	0.00	-1.7756894961	8.465786721	-1.3488720721

## 289	0.3094775056	0.00	-0.0238098840	-1.920006682	1.0896733043
## 290	3.9015748711	0.00	0.4959701254	1.904312175	-2.0596870847
## 291	4.1019093629	0.01	1.8237487114	-6.580099951	1.9066029747
## 292	1.7350702463	0.01	0.3446826731	2.480395148	-3.0168781326
## 293	1.7385864981	-0.01	2.8926161280	1.689129922	-0.3086237695
## 294	3.4105481694	0.00	-0.5301369789	8.524830617	-3.9199381062
## 295	2.4513674954	0.01	-1.4891674234	-2.551172522	0.5461185208
## 296	-2.7507262156	0.00	0.1579853723	-4.683007533	0.0559940030
## 297	-1.7329161579	0.00	0.3562101415	12.585087439	2.7694824967
## 298	-1.1316222252	-0.01	-0.6217073787	-2.218509138	0.2221213376
## 299	-0.9858757091	0.01	0.5706704350	0.397613870	-3.4670545376
## 300	2.0167552538	0.00	-0.4349124668	-8.364183947	-0.7175373711
## 301	-3.5601518074	-0.02	-0.0712396231	14.462199030	-1.7810102702
## 302	-3.3206842240	-0.01	-1.3329573474	-3.207146536	-0.5571547272
## 303	1.9492781991	0.00	2.7763417308	1.367358483	-2.3625218915
## 304	0.9099162588	-0.02	-1.6039853197	-4.510904651	0.7889626868
## 305	-1.7097452470	0.00	0.8769173665	-31.064835387	-0.9955901503
## 306	-4.0906358505	0.00	-0.2043553987	13.976284477	1.5885649595
## 307	-2.3017459292	0.01	0.2548386287	-1.758862881	0.4426816499
## 308	-0.9551691147	0.00	1.3643446728	1.794043264	-3.1406855005
## 309	0.7655278055	0.01	2.1653893956	19.220515030	0.3901953681
## 310	-1.7042955392	0.00	0.9553529426	-3.835968938	-0.7456901590
## 311	1.2581168994	0.01	-1.0027028348	3.717599415	-0.2557427632
## 312	-2.9024978473	0.01	-0.5845782617	-5.156002715	-2.5880817147
## 313	1.1909730216	-0.01	-1.0892292497	-1.817920124	0.2006568284
## 314	-2.1350993195	-0.01	-2.0722025855	-0.477370346	-3.4929520229
## 315	-0.2001795236	-0.02	-1.3437219457	-2.021448565	-1.7230181307
## 316	-0.7161554610	-0.02	-0.7841794353	4.474644815	0.1327211044
## 317	5.7201655030	-0.04	-0.3551373982	0.829732595	-3.8687120476
## 318	-0.3246110447	0.01	0.5361899971	-6.653222343	0.8287069806
## 319	-1.1843789027	-0.01	1.3304644198	-17.892738733	2.4272702109
## 320	-0.0575799238	-0.04	0.3549096142	-3.646816791	5.5746906280
## 321	0.2212052459	-0.02	-2.5529200746	1.873300098	2.4538978847
## 322	4.7560853533	-0.01	4.4075568817	-2.307371427	3.7434963163
## 323	-2.1066943712	0.01	0.8193773753	7.715512711	-0.5053737303
## 324	1.6656964182	-0.02	0.6058813324	-5.185311514	-0.3005173594
## 325	2.3004323276	0.00	-2.2117966302	-8.749468531	-1.7505907975
## 326	-1.6017859596	0.00	-0.8375923248	-7.709082900	-4.8135212185
## 327	-1.3411959334	-0.02	-1.8175269516	-10.172356385	0.4043388800
## 328	-3.2044226319	0.01	-0.8212320970	-4.956365184	0.3220764574
## 329	-2.9462526272	-0.02	1.8247947189	-4.959744452	0.3382398370
## 330	-3.7522770104	0.01	1.5124179505	-3.098954646	-2.2971186694
## 331	-1.4272657105	0.00	0.9843861262	8.958648872	0.9047868845
## 332	-0.4957578764	0.00	0.1621656223	8.105842001	1.9543836630
## 333	-1.1425830091	0.00	-1.0132328335	4.600404881	3.3773629926
## 334	0.0295696103	0.00	-0.8950874436	5.889654910	-0.7039104914
## 335	2.1712088988	0.00	-0.1812239254	-0.423887345	-2.8178360006
## 336	-4.7565483921	-0.01	1.2054658537	-18.824851255	NA
## 337	-0.2646100147	0.00	0.2257480759	4.028592693	-0.7642358053
## 338	2.1007083250	0.02	0.3233918731	-7.076727761	-1.8254171268
## 339	-0.7050631812	-0.01	0.2442109596	3.015844155	-0.6659921825
## 340	0.6683444019	0.01	-1.0051678500	11.892973456	-1.6190644812
## 341	0.2821689382	0.00	-3.2880030412	6.831205075	-1.9732652908
## 342	-1.2864593734	0.01	-1.2823307074	-12.529962731	-0.8792713006

## 343	-1.2561155801	0.00	0.2185546693	0.392423308	-0.2865264345
## 344	5.5919060899	0.00	-2.4501897505	-5.237537957	1.4551834534
## 345	2.8067325350	0.01	-0.7141792161	4.599571918	-3.2495872838
## 346	0.7693910572	0.00	-4.4835464242	2.157751027	-1.5130868204
## 347	-0.6155209899	0.00	0.7710866167	-6.697662287	-0.0569693262
## 348	-0.9220630252	0.00	1.3540124811	-1.596798608	-1.6404381195
## 349	-0.4487155198	-0.02	0.5464884358	3.355379980	0.9310408217
## 350	-1.6046000699	-0.01	-0.6600593264	1.118486458	1.1618606835
## 351	0.6425841674	0.01	0.7792938801	0.429731764	-0.2840412257
## 352	-0.3457572184	0.00	0.5372345653	-3.462245577	-2.0558720299
## 353	3.8832568113	0.02	-0.4559599535	-1.329812186	-1.2128042680
## 354	-4.4897412420	0.00	-0.4049116471	-3.991635756	1.5094164671
## 355	1.7009510764	0.00	-1.8767760497	-20.194694939	2.5595582526
## 356	4.6832407941	0.01	-0.5231991219	14.248849984	-2.2596021849
## 357	2.6659091798	-0.01	1.7434288145	-10.187404532	-0.3014440204
## 358	-1.0537142251	0.00	1.0689386617	-0.920802713	-2.2780317179
## 359	-0.0244652361	-0.01	-0.3137488292	3.322507380	-2.1024251728
## 360	3.4076308056	0.01	-2.2705969575	-4.889629568	0.7098655597
## 361	-0.4902798522	0.00	-0.5010425990	-5.575033286	-0.3061326801
## 362	8.2215654961	0.01	-3.6681284711	-3.304388858	-0.1168330011
## 363	-7.6333193943	0.01	1.7211595885	5.400477813	-0.0042684035
## 364	-2.4134928519	0.01	1.6037107961	5.825766829	3.0316905004
## 365	3.4225464559	-0.01	-3.5587060779	-3.213225261	-0.9240957347
## 366	1.6879676358	-0.01	1.2341322749	6.323871707	3.0329457660
## 367	1.8117800302	0.00	0.1500531173	2.446043758	0.0978673957
## 368	0.0701815409	0.01	-1.0145821055	-0.112839151	2.4055758070
## 369	2.0098509188	-0.02	-0.9580651878	-5.131537821	-0.2264869857
## 370	-1.8077482027	0.00	-2.6116927980	-4.369517768	2.0080029528
## 371	2.2797400057	0.00	1.5051543620	0.800444880	-0.3102811227
## 372	0.0852366689	0.01	0.1217978241	20.272895817	-1.9650454526
## 373	-0.5167237465	0.01	-0.2637147895	-3.457771783	3.9089979689
## 374	0.8949084315	0.00	1.3623497749	5.549145658	2.4881220064
## 375	3.6666639010	0.00	0.5994569836	-2.789462123	-1.5899899731
## 376	3.4208033949	0.00	-1.2212612799	13.092370565	2.9638357711
## 377	1.6251969421	-0.01	-0.7753709925	-5.869901297	-1.1008736527
## 378	1.8924269300	-0.01	-0.2916599226	-0.065248517	0.1673903385
## 379	-3.3144406580	0.00	-3.4587753974	1.658053137	2.8443994942
## 380	0.2240942452	-0.01	0.1680029049	5.454747941	-3.2331709682
## 381	-0.3329298163	0.01	-0.8834031852	8.786573810	0.6471769345
## 382	-1.5673230896	0.01	-0.4904500579	5.288587957	0.6413053620
## 383	0.7513436567	0.00	2.0952797071	-10.623327999	-0.0345616488
## 384	-2.9842720978	0.01	-1.7835426673	-12.603998060	1.7940479149
## 385	1.9821568024	-0.02	-2.3637909664	5.985755747	3.4694000064
## 386	-4.5915977218	-0.01	-0.1466443043	-11.179461935	0.4855443116
## 387	5.7276450711	0.01	2.6990014939	-6.268654991	-2.8839053088
## 388	0.1348158830	0.01	-1.6650376853	-7.848108483	-0.7749721007
## 389	0.8016334584	0.00	-1.2879765712	-14.363473427	3.8163888917
## 390	-0.1111899997	0.01	-2.3443270390	-1.726578176	3.3090851834
## 391	0.7329237727	0.02	3.4355038200	8.307749151	-1.1768651642
## 392	1.8104854143	0.01	-0.9274542513	0.333624566	2.3948638526
## 393	-3.5695739683	-0.01	-0.3705388757	0.208782059	2.1555673484
## 394	-0.0040636190	0.01	-2.0438262404	3.485564301	-0.7142415749
## 395	-1.2621626443	0.00	0.1740641257	13.761317310	-2.7138632383
## 396	-0.7778318632	0.01	-0.0898872760	-16.566213941	0.2156935412

## 397	0.3471100805	-0.01	0.5542121598	2.884208590	-1.6656587994
## 398	5.0478190678	0.01	0.5074436651	2.542349938	1.0514361522
## 399	-2.8655737639	-0.02	-1.6635519833	-0.355729752	2.5495138434
## 400	-2.3257000287	0.01	0.6121813943	-8.544489576	-1.4545342798
## 401	-1.1697833697	0.01	0.4719906647	9.636454144	-3.2547251531
## 402	-1.2022529310	0.00	-2.2808770691	-2.389331330	-1.8704633923
## 403	-1.3560895328	-0.02	0.1086722401	-7.566920124	0.2457504935
## 404	1.9713734505	0.01	-0.3912532629	4.736601018	-0.8535192871
## 405	-0.1366441496	0.00	-0.5206822743	-9.659617519	-1.3356284644
## 406	-0.6979568583	0.00	-1.4602510527	10.988942100	0.3956763144
## 407	-2.1392554916	-0.01	1.4762997376	1.816267683	1.7886203312
## 408	-0.1853812334	0.00	-0.9839754640	14.707039708	-0.9049304320
## 409	2.2173823595	0.00	-2.3335532825	10.766810627	1.4531471653
## 410	-0.9457794423	0.00	1.7723631483	5.098727774	-3.9613883143
## 411	-0.3738749598	0.00	-2.4955858861	1.910577362	-0.1964373229
## 412	-3.7577868371	-0.03	0.8438777061	7.976470796	-1.0500154294
## 413	2.1400843885	0.01	2.5588091512	7.954968031	1.9083036241
## 414	-5.3570310494	0.01	0.6811926475	-11.902363481	-1.5369141563
## 415	1.0194931480	0.00	-1.5802877498	-10.042798494	-0.0097567948
## 416	0.9996712663	0.02	0.9165142448	-1.700058397	-1.5353616575
## 417	0.0178429639	-0.02	-2.2857124010	7.058766186	0.8267859183
## 418	3.4923979376	0.01	-1.5342018552	3.667886278	5.9090339452
## 419	3.1882119751	0.00	0.3972801760	9.508016361	0.1943308190
## 420	3.3010032839	0.00	-0.5590347463	5.119195766	-1.4606266995
## 421	3.2333016193	0.01	-0.1496636028	-8.072308080	1.2125010168
## 422	1.1193611069	0.00	2.7274693090	7.477400555	3.3714743308
## 423	-0.3284522283	-0.02	0.9111961970	2.747519369	1.9394202157
## 424	-1.3275701315	0.01	-1.3067565392	-8.889857945	1.1356450798
## 425	0.0073437394	-0.01	1.9088930011	-0.805401432	0.2225714208
## 426	-0.4250725878	0.01	2.5376563549	-3.631999116	-1.5868165301
## 427	-5.0524583257	0.02	-1.1055410188	0.206366054	-4.7665795933
## 428	-3.9686462664	0.00	-0.6122277318	3.758178213	0.1729006594
## 429	2.0319101815	0.01	0.5081966233	0.690848920	-1.3347990298
## 430	-4.4099665174	0.00	1.1235438479	0.880418577	3.9938983688
## 431	-1.2695078627	0.01	2.1801422546	1.122787012	-0.9699399107
## 432	-0.4174650632	0.00	0.3681032072	-6.108754978	-0.5279291885
## 433	2.7021334073	0.00	4.3307622516	15.222468259	0.7158407726
## 434	4.4225806796	0.00	-1.7207567870	4.084604894	2.9090736558
## 435	0.4818029868	0.02	0.9594791783	-2.088738554	2.2244182688
## 436	0.8377848568	0.01	3.0633533206	-10.216636690	2.0838381204
## 437	1.3426489819	0.00	0.9421914113	0.330147152	-2.2886507974
## 438	-3.5286538966	-0.01	1.2739642527	-6.196137667	2.9955588161
## 439	2.2582723907	-0.01	-1.4486145701	6.424347061	3.2475518481
## 440	-1.6082650057	0.00	-1.8050487517	9.965569551	-2.7944232702
## 441	2.0942778850	0.00	-0.3745686180	-22.942588716	-0.6834460418
## 442	-2.6766837887	0.01	-0.6212335197	-3.808494078	0.7690359206
## 443	2.6804438485	0.00	-0.7395496473	-11.713049849	3.6861310082
## 444	-0.2758752068	0.00	-0.6266352703	-11.934552102	-1.0198631962
## 445	-1.7489476542	-0.01	1.8381094248	-0.817187120	-2.6385102201
## 446	-1.0506855804	0.01	-0.0251809342	16.717751080	-1.2305248304
## 447	0.1472343840	0.01	0.3023795638	1.026694616	-1.8969404148
## 448	-1.4753173898	0.02	-1.0381677104	5.454945924	2.8094538607
## 449	2.4859761363	0.02	2.0907405614	6.422704647	-2.4368340284
## 450	1.2803979245	0.01	-1.8312517610	-1.843459214	0.9377503375

## 451	0.7303430516	0.00	-1.2992473256	15.085954453	2.6630279701
## 452	-1.7685101944	-0.01	-1.6113528483	0.361866737	-1.6092289543
## 453	3.2515553680	-0.01	-1.1932566381	1.565678712	2.2139733452
## 454	1.9642263068	0.00	0.5008854448	-2.047581795	1.2815962940
## 455	-0.7446221144	0.00	1.4475821003	9.418585853	-1.9120432376
## 456	-1.2974132982	0.00	1.8875579039	4.148075905	1.5987363194
## 457	2.2900231108	0.01	-0.6245025706	-2.123693167	2.8860314003
## 458	1.0779543867	0.01	-0.4787131843	-8.698512349	1.0088150637
## 459	4.0056312863	-0.01	-1.0294741915	-3.990732900	-1.3742143906
## 460	-4.0787171921	0.00	2.3576190612	3.481025650	1.5099132143
## 461	4.0688221169	-0.01	-2.2699949385	4.145150562	-0.2183738737
## 462	2.0339629162	0.00	1.7962849921	13.446488142	2.8613634712
## 463	2.2034804724	-0.01	-0.7018640742	9.600540850	0.0603593969
## 464	3.5995117548	0.00	0.6066904040	0.600950145	-2.3845930638
## 465	2.1258165800	-0.02	1.0938485748	-1.056843843	0.8489124023
## 466	3.3675865009	-0.01	-0.3285424833	-6.797090032	-0.3493209013
## 467	-1.7259079358	0.00	-0.1318237564	11.610189244	-0.2697188902
## 468	-0.1798362295	0.00	1.6668646431	-7.324417557	-3.1179598600
## 469	4.9394459505	0.01	-0.7280447875	-3.054159673	0.2397311749
## 470	4.2448513024	-0.01	1.1023625567	-2.302914379	0.8319670457
## 471	-1.3501388846	0.00	1.6878940245	5.033447981	0.9093987739
## 472	2.4369096768	0.00	-1.7336981381	15.725419861	3.6712654686
## 473	-4.9827840581	0.01	0.7407166827	2.753890244	1.2078358158
## 474	0.9078150832	-0.01	-0.9516028719	0.031174044	2.0737211109
## 475	-2.5726465677	0.00	-0.1660224503	1.493171470	0.7618233846
## 476	3.8717900636	0.00	1.5423363284	-10.178608109	-4.6568775359
## 477	-2.1132460388	0.01	1.6167137595	8.678252388	-2.0551121239
## 478	2.2512469510	0.01	0.0544410775	6.087933557	-6.8663090517
## 479	3.9593178781	-0.01	-1.4888255628	-10.253306580	3.3454286397
## 480	-1.4760732722	0.00	-0.5906011241	-11.336583922	-4.5029539574
## 481	-1.4348472793	-0.01	2.5644639971	7.232370465	-1.8823940276
## 482	4.9660492907	0.01	0.8243816264	-6.313104609	2.9315426650
## 483	1.1767689287	0.02	1.3070419581	8.793389627	0.6313676299
## 484	-3.4654693779	0.00	-0.6524151619	-4.820807347	1.0487055427
## 485	-0.4717764725	0.01	1.6613357379	-2.770892219	-0.7251563957
## 486	-1.6320603437	-0.01	2.2839708329	5.227417828	-2.2147423980
## 487	-3.0771210171	0.00	1.0601870649	-2.111432179	-5.1023861479
## 488	-0.0074043343	-0.01	-1.0813568907	-7.866056795	-3.3940644816
## 489	-6.3422529175	0.00	0.3080606747	4.529181990	-2.7779878584
## 490	6.8996515409	0.00	0.8729470065	-2.121439710	1.7944609570
## 491	1.9642776353	-0.02	2.4269597995	-2.069804079	0.9445038607
## 492	-6.5487635151	0.01	0.3663790232	4.593173485	2.4228617484
## 493	-0.9187446462	-0.03	-2.0542771073	-8.743184973	2.5591117085
## 494	4.9758573641	0.01	2.8121703630	8.670622421	-1.6399109493
## 495	0.8172929575	-0.01	0.4284184018	-5.025407243	-0.8094598441
## 496	-0.1438081013	-0.01	-0.5484282805	-8.660414225	2.9480940542
## 497	3.6125455061	0.01	1.0240850049	-1.584725902	2.5544493540
## 498	2.0275740233	0.00	-1.4494395236	-2.954284547	-0.5912705619
## 499	4.7965584075	0.00	0.1255689938	-3.086317374	-0.9037161744
## 500	5.1621619510	0.00	-0.2429793635	11.835975355	-0.2645002767
## 501	-7.5011082919	0.01	0.8974204441	8.931695882	-3.8673129834
## 502	3.0706007181	0.00	3.2504581861	9.813963289	0.7354045390
## 503	-1.3861786552	0.00	-2.8344215462	10.260550958	1.1963913481
## 504	2.7103373745	0.00	-0.8057764203	-4.532240431	1.4296646784

## 505	2.6634718913	0.00	1.7584559036	7.032366686	-3.5004838003
## 506	3.9565086482	0.01	0.4680592073	3.619343976	-0.2774806266
## 507	-2.3101964120	0.00	1.7475009959	-12.721355141	-0.4602712371
## 508	-0.2431677639	0.00	0.6638924261	8.968256220	6.0295302643
## 509	-0.2686645191	0.01	0.1169343630	13.230664471	-1.0076130259
## 510	0.7285415382	0.01	0.5365874753	5.581199026	0.8547554685
## 511	2.7827234506	0.01	1.5631354372	-2.226332142	2.5955372284
## 512	1.4285265382	-0.01	-0.4624288175	-11.810330436	-0.3653798146
## 513	3.2660843371	-0.01	-1.2568923377	1.608636644	-1.4217276699
## 514	2.0390079374	0.01	-0.6267149073	-5.065278716	-3.8750377967
## 515	1.7821663584	-0.01	-2.5787947740	-7.817607339	-0.4042344806
## 516	0.9938893904	0.01	-1.5929770097	11.984630127	-1.4091746411
## 517	4.0482528428	0.01	-3.2520766362	-14.056766043	1.6397318875
## 518	-1.5041516217	-0.01	-0.6251394292	2.671086835	-0.6641864807
## 519	-1.8308496954	0.01	0.9281544945	1.369101633	-0.8037495990
## 520	-2.9981294206	-0.02	0.9514748921	-3.351618970	-0.5919076417
## 521	3.3074623271	-0.01	-0.5544912339	-9.560039641	1.4705139169
## 522	-0.6929352077	0.01	-0.8905368974	6.134049824	4.5822488497
## 523	-0.7533753670	0.00	-0.1392040878	-2.822580803	0.1699551034
## 524	-0.7977787268	-0.02	1.1137487935	11.515708228	2.3221624936
## 525	-2.8333958214	0.01	-1.0365700667	-0.417681158	-0.7211215288
## 526	3.9389885457	0.01	-0.0810942834	0.386158277	3.1270744784
## 527	-3.7243670425	-0.01	4.6272601374	3.314236434	1.0815236566
## 528	1.3446270757	-0.01	0.1404879334	-0.263417029	1.3522589517
## 529	1.2479732684	-0.01	0.5367517629	-0.495587500	1.4276226143
## 530	-1.1751120886	0.00	2.8089332080	26.275371808	0.1864242889
## 531	1.6726421136	-0.01	-1.0905142425	10.032576334	-1.4055627828
## 532	-0.7801500848	0.00	1.3726189460	-19.053800371	-0.2900382789
## 533	-1.5399278147	0.00	-1.5948832245	-1.381211492	2.6452120591
## 534	3.4455196162	0.01	-0.5106053097	-15.712855368	-2.4215340484
## 535	-0.9982336059	0.00	0.3020341400	3.359426079	0.6038593992
## 536	2.8646180027	0.00	-0.4198410162	-2.056010513	-0.2828230507
## 537	-0.0363796563	-0.02	-1.0063511584	1.042259972	0.9249217598
## 538	-2.8572289599	-0.01	-0.0272776505	11.216264910	-1.9741050037
## 539	4.4779187415	0.00	-0.8603659536	9.777651794	-0.4122891276
## 540	1.0505832436	-0.01	2.5698849555	14.507360249	1.7016849839
## 541	0.0346650776	0.02	-1.0114224106	11.229474696	3.1966724198
## 542	2.6632559295	-0.01	1.5618449726	-1.178043259	-4.7196129418
## 543	0.1422260180	0.00	0.6059074752	-7.630773293	-2.1380322996
## 544	1.8164889314	-0.01	-0.7144264131	-1.173441892	-1.0688286486
## 545	1.3509386594	NA	1.9663459717	-9.828904754	3.9740764050
## 546	4.5821950313	0.00	2.9977228530	-0.300169428	0.3794643804
## 547	4.5672484097	0.00	2.1309468047	-8.919994858	-0.0999442527
## 548	2.5079669351	0.00	-0.6288539074	-14.539413784	0.1689795895
## 549	1.9787025520	0.00	-3.2364376576	-9.755391920	-2.8393223436
## 550	0.4549962215	0.00	-0.9758834592	-7.686264214	-3.3182996042
## 551	-1.8273797646	0.00	0.1883384106	0.193758496	-3.3104372357
## 552	-2.3578499316	-0.01	0.4809932146	-0.911557737	-2.1505308997
## 553	1.6820719736	0.00	0.9029096253	-4.906813390	1.0693790514
## 554	-1.9889675515	0.00	-0.5133001853	-10.287370072	-3.3103209511
## 555	0.5067383461	-0.02	0.9877704567	1.418703702	0.7882025519
## 556	0.9503416485	-0.02	1.2155819133	4.114878935	0.2782708384
## 557	2.6544946305	-0.02	-0.8952753452	14.605022391	-0.2329041459
## 558	-0.3946641769	0.00	-0.3452425536	7.548336155	2.2975180326

## 559	-6.3313931570	0.01	0.9680402228	-3.244697540	3.4296431243
## 560	-1.2110108810	0.00	-5.1937286880	-3.015915594	-0.7055034217
## 561	-4.6601878363	0.01	1.2757858684	-4.126138802	-0.9808427459
## 562	2.9678794517	0.00	0.1732963931	5.871067768	-0.2295691183
## 563	-3.5420474165	0.00	-0.6165459614	-0.165010892	2.7886499609
## 564	2.6217933588	0.00	-0.6748594866	6.607906098	-1.4980450734
## 565	1.4394019090	0.00	0.8081098030	9.577223637	-0.2554721762
## 566	-0.6039063046	0.00	-2.8326069823	-8.369978717	3.8562849046
## 567	0.4471042564	-0.01	-0.2547325357	-5.660706297	-0.1094772248
## 568	1.8669657853	-0.01	0.7364285173	-2.589354126	1.7820695868
## 569	-0.0985006211	0.00	0.2113236898	16.601266685	0.7268265138
## 570	1.2160286767	0.02	1.2632474653	-1.166498905	0.8224620658
## 571	-0.1379609465	0.00	0.4481766718	7.269309619	4.0256866112
## 572	3.6635408278	0.01	-1.1726584710	-6.475088984	-4.5368866911
## 573	0.7324168306	-0.01	-0.7309459922	-2.967254929	-0.2537635084
## 574	-1.7879816068	0.01	3.4040294390	11.578281976	1.4547116364
## 575	0.5158016459	0.01	1.2564892357	8.685270069	0.6863401516
## 576	4.2850836978	-0.01	2.4565018096	-2.954471269	-3.2067656763
## 577	-2.5748267341	0.01	0.3276825723	-10.949590517	3.2212899298
## 578	4.2709045134	-0.01	0.5976184826	7.512763304	3.6130202191
## 579	0.0809354191	0.01	3.4489583890	-4.109013671	1.9728799105
## 580	-4.0147269145	0.00	-0.8237648702	-0.686377914	1.7604781196
## 581	1.2887449183	-0.01	-1.0374458291	-1.292182838	-0.4739573924
## 582	8.3485110600	0.01	-1.5419885611	8.986936175	0.9126752303
## 583	1.5798271497	0.01	-1.3534298416	2.411126587	4.2568088528
## 584	5.7175326086	0.00	0.3735215736	-8.470058888	-1.7254225165
## 585	2.5050488546	0.01	-0.4098832318	-22.343012612	0.2743163042
## 586	-0.7113052035	0.01	-0.4206871955	8.741401088	4.2237782650
## 587	-2.4479558789	0.01	-2.0550453553	-4.630142565	1.0638243345
## 588	-1.0354358563	0.02	-1.2953303791	3.495752755	-0.5259419658
## 589	3.7102592862	-0.01	0.0354456812	4.704925258	0.9849898787
## 590	-0.0492790350	0.00	-1.5157423170	-7.112884133	0.0400997581
## 591	0.4794609199	0.00	0.3109124671	4.708989384	0.8812646833
## 592	0.0396977563	0.00	0.7839185397	5.351415409	-0.8976783049
## 593	-0.5975581220	0.02	0.1673775762	-10.370098854	1.4717146827
## 594	0.9921396962	0.00	-2.7368975811	-9.265627051	-1.3652603366
## 595	-1.6218073671	-0.02	-3.5333740081	0.961399652	-0.6369473104
## 596	1.5071991129	0.00	-0.5296915254	0.963281433	1.3566200145
## 597	1.1980094342	-0.01	0.1059743627	-17.198030854	-4.7895803084
## 598	2.9547540270	0.00	-0.2296709894	1.495033283	-1.5667922205
## 599	2.8208066135	0.00	2.7145586658	4.726551981	-0.9355018643
## 600	-0.4319117257	-0.01	1.2362330624	3.851227478	1.4891221830
## 601	0.0877019267	0.00	1.6980358335	-11.690789476	-5.2779656112
## 602	1.0617190584	0.02	0.7576463682	1.369064540	5.5760619620
## 603	-2.7164893347	0.00	-1.9682524087	15.240802506	-1.4190063032
## 604	-2.7330418471	0.00	0.2306919294	-14.844786021	-4.8500248109
## 605	0.8916109239	0.01	2.9712274703	5.416240033	1.3902436832
## 606	1.8125731628	-0.02	1.0641107658	-0.321459856	1.1347164207
## 607	1.2790204965	0.00	1.8321458774	3.775547686	-0.2014040454
## 608	0.7924262966	0.00	2.8284419328	-11.273097720	-2.4295912827
## 609	-1.9799037958	-0.01	-3.7690555894	-4.335644478	1.9221376189
## 610	0.0492169057	0.01	-2.1240591140	0.638217818	0.1895277847
## 611	1.5626773513	-0.01	2.1774069544	6.022676609	-2.9434356738
## 612	2.3378151934	0.01	0.3251008770	6.777590118	-1.2055387725

## 613	1.3523709779	-0.01	-0.4748262931	-10.983355395	-0.7499642775
## 614	1.1659856151	-0.01	3.8104398993	0.793595157	1.8936824156
## 615	-0.5593852295	-0.01	2.8011691362	2.219092925	1.7611829039
## 616	1.6936526594	-0.01	-0.0859298021	-0.904220627	5.3549317961
## 617	0.6822393805	0.00	1.4970201750	-0.289872401	-0.9593284622
## 618	-0.3593950369	-0.01	0.5353779435	-16.244582015	2.5682111666
## 619	-0.7484631676	0.00	-1.1393456784	2.857202904	-0.4407831134
## 620	-2.2281553216	0.00	-3.7675879269	10.893270733	0.4505523569
## 621	-1.0852960919	0.00	-3.1022737105	-3.145375381	0.7733546088
## 622	1.7258246013	-0.02	-0.2385921888	-6.017262688	-1.2928707708
## 623	1.7204220690	-0.01	-0.7589477580	-1.171847352	1.7524530884
## 624	-4.3790467580	0.00	2.6573779132	-3.663901643	-3.8165936797
## 625	3.1509407170	0.00	-0.1060823362	-1.553420403	1.6248887966
## 626	-4.3812647365	0.00	0.0228210646	-0.718107682	3.2575926381
## 627	-1.6613901673	-0.02	-3.3564028052	-3.154016596	2.8985354250
## 628	2.0949697106	-0.01	0.2733052028	7.841259006	-0.0039049218
## 629	2.8845556596	0.00	0.8813780211	6.498353379	-0.1299489437
## 630	-1.3975158533	0.01	-2.4962225886	8.078012215	0.7892004686
## 631	0.6959156733	0.00	2.3072589730	3.161986854	1.4143973838
## 632	2.0812748825	0.01	-0.1001217890	-8.289943353	-6.3279220115
## 633	-0.0858021537	0.02	-2.6837134574	1.345171978	-0.4294583091
## 634	1.6107147116	0.01	3.1313197435	16.930004951	0.5986645017
## 635	-0.3558472208	0.00	4.0279855729	-1.876114737	2.1804699483
## 636	1.9457434674	-0.01	2.9175046194	2.006135732	0.7639690981
## 637	-0.6103182704	0.01	1.4160173389	1.122646615	1.4896549817
## 638	0.4709165040	0.02	-3.0848932135	0.952119353	1.4620801501
## 639	1.8606660594	0.00	-0.0843728970	-13.468557299	3.7697454028
## 640	0.3296926234	-0.01	-2.5006798295	-2.501260193	-2.6973183873
## 641	2.6419565734	-0.03	-0.0939038337	9.428254785	-0.8299502169
## 642	-0.2374654279	0.00	-0.8230080035	-10.058770061	-2.8710098791
## 643	-6.8532039073	0.00	2.5849482500	-0.689607053	3.0587398881
## 644	-1.6184357489	0.00	0.0963101237	1.636708002	2.9534236738
## 645	-0.6669191356	-0.02	3.0549698928	21.303635568	-4.4281461551
## 646	3.1823586903	-0.01	5.0585503948	8.935923421	-2.0234939015
## 647	4.6553897573	-0.01	-1.1617243052	5.516413886	1.5848047305
## 648	2.2205200375	0.00	-2.4104152318	-7.194537018	-1.6555577353
## 649	-0.8428622877	-0.01	0.5337158563	-1.774663744	2.2064619173
## 650	2.7438411153	0.01	0.5011677405	-0.605763364	-1.3938350026
## 651	-3.5566374837	-0.02	-0.3185355463	0.084635479	-0.2852153639
## 652	-0.8994332486	0.01	0.6901306470	9.514381541	-1.8973244369
## 653	0.6278212523	0.01	1.5504235073	0.366785837	0.6661776380
## 654	0.1752234323	0.00	-1.7777430207	-0.883141999	2.6341951139
## 655	-3.5747813036	0.01	-0.2605655677	3.491406667	1.5855364322
## 656	1.4561457236	0.00	1.1386696814	2.257696046	0.2845663334
## 657	-2.5250891343	-0.01	0.3806272078	1.735900513	-0.6775373437
## 658	-2.4660843909	0.01	0.6739147071	3.162287706	0.0611038298
## 659	2.0163124111	0.01	-0.6533537624	-6.353591477	-1.8250230520
## 660	-3.8707893466	0.00	0.4553648585	-6.093534344	2.0674520792
## 661	0.0561256409	-0.01	1.3429912374	3.172944881	1.7759180429
## 662	-1.9234704878	-0.01	0.3880408903	-5.250850941	-3.1912244199
## 663	-1.4229175190	0.01	-0.0044702942	2.955787206	1.6353144893
## 664	-1.0430476205	0.00	0.3836386342	-4.307515560	-3.2436512546
## 665	1.6161755598	0.00	-3.8936670118	-3.046412813	-2.0751245482
## 666	-0.0815567592	0.01	-3.2716030634	0.447099927	-1.3267770824

## 667	3.2348032602	0.00	0.8430497490	2.971014441	-0.3466576895
## 668	3.8625201087	-0.02	-3.5972352563	-8.400379571	-0.5091464355
## 669	4.9555048472	-0.01	0.1281597966	-2.037582680	-0.2389159302
## 670	0.0850880764	0.00	-1.5233874757	-8.435334445	0.7424981734
## 671	-0.7826390124	0.00	-1.4695490759	11.412338944	1.3661855571
## 672	-2.4533854679	0.00	0.9775295841	0.416841674	-1.2472892212
## 673	-1.1156481885	0.01	1.3824954593	8.174541883	1.7493543453
## 674	3.6957833792	-0.01	-1.6546898374	-1.363633787	-1.1017448679
## 675	1.2042482126	0.00	2.7882190781	-17.024847056	0.8705800924
## 676	0.0216206728	0.01	-0.0280830441	-13.257953501	5.4722187092
## 677	-1.0311657157	0.00	-0.2000049088	10.221906024	-1.3766754826
## 678	-1.1879222276	-0.01	0.2535005722	-17.460882682	2.5903935809
## 679	-0.6694981787	0.00	-0.4885474826	2.719276343	4.0786830522
## 680	6.5713777900	0.00	1.9611862512	-9.803448834	1.5580986096
## 681	-4.5112630908	0.01	0.6798174383	4.956572043	0.6813906963
## 682	1.2871359640	0.03	-1.1787034670	8.491198201	-3.5244834811
## 683	-3.3570794585	0.01	0.0507960402	-11.530906559	0.6100449105
## 684	0.6098263883	0.01	-3.2427564537	-12.704191213	0.1347674151
## 685	1.0271433278	0.01	-0.0340363255	0.116095654	0.6392282259
## 686	-8.7960601502	-0.01	1.0865036870	1.309839608	-0.0771846661
## 687	-3.6684524352	0.00	-0.0919297951	-11.571046046	-2.8910987745
## 688	-1.3743707992	0.00	1.3281452534	3.496693198	3.4564355058
## 689	-3.2010068613	0.01	-2.3370989452	8.012174861	1.5933036448
## 690	2.9456201214	0.00	0.2638882211	2.139327299	-1.8423815234
## 691	-1.5809234925	0.01	1.0414507850	17.531445891	-1.4335112734
## 692	3.7706173347	0.00	-0.4469386258	-6.770221542	-1.9135260067
## 693	-0.4505009583	0.00	-2.4775907468	16.987854698	2.1998107323
## 694	-3.6463204052	0.00	-1.3567276771	13.206403570	1.4350152366
## 695	0.5301977270	0.00	1.5242273045	-14.618009067	4.4773890065
## 696	1.7879925606	0.00	-1.8791748978	8.256756246	-3.9356124933
## 697	3.2321153213	0.01	0.8709535895	-11.395691912	1.5964296903
## 698	0.3039202837	0.00	-2.4066992256	1.471876936	-5.9081891357
## 699	0.3111867268	0.00	-0.1404595563	-6.059042010	1.8639554660
## 700	-2.8174156700	0.00	-2.3631113001	1.359616494	-1.1885684531
## 701	5.2332521028	0.01	-1.6114163222	-6.930675062	4.7852991725
## 702	-1.9269182461	-0.01	-2.0884090968	6.791349238	-1.1180087613
## 703	3.8648901723	0.00	-0.2581445220	7.900929684	0.7792511116
## 704	3.0953914157	-0.02	0.1749001459	12.087886831	2.1386133601
## 705	1.3793059076	0.00	-2.1730814178	-2.981192862	-0.7613773728
## 706	3.5397438369	0.01	2.0835121972	9.311913746	2.7098511875
## 707	-2.2908369534	0.01	1.9552250525	4.399663684	-2.7225214956
## 708	-2.1733012790	-0.01	0.4317521748	0.320069285	5.6146699056
## 709	-0.8036987005	0.00	-0.7409224136	4.062909432	0.4688572736
## 710	3.1489882724	0.00	1.7574338488	4.008777304	2.3954028069
## 711	-1.0649208243	0.02	-2.8380570269	-3.780708283	-2.5255601269
## 712	-2.0752276196	-0.03	-1.1292432324	-7.902464072	2.1450815134
## 713	0.5699290929	0.01	-1.2935596938	-15.439068810	1.7648307840
## 714	0.8423700895	-0.01	-0.9538871052	-3.871085663	-0.3320645521
## 715	1.8572609642	0.01	0.3051403020	-5.675087216	-4.7126813210
## 716	0.5742928923	0.00	-1.2136826098	-1.506610935	-3.3913247329
## 717	6.2007434346	0.00	-1.8547798368	1.900097574	3.0898824634
## 718	-1.8565748428	0.00	0.3488785632	-2.426850475	-2.7077878372
## 719	-0.2779886679	0.01	-1.2047641787	8.796466058	0.8877502406
## 720	1.0392775800	0.00	1.6292108306	7.802470001	2.9128360180

## 721	6.7242254330	0.00	1.5620860395	-0.119317930	-5.0801163901
## 722	-4.1825411344	0.00	-1.2480058538	2.761567781	1.2971221143
## 723	0.3694575553	0.00	-1.6060165066	10.494508233	-0.3070969253
## 724	-1.8237077778	0.01	-0.7593520757	-0.410266723	2.3919647465
## 725	-2.3723752093	-0.01	-0.7329557843	16.267128301	0.9681686213
## 726	4.7857569479	0.00	2.4166181249	-14.693880842	-0.3291505777
## 727	-1.3647922854	0.00	1.5586510435	-2.984210880	3.8533223492
## 728	-4.9422058598	-0.01	-1.2664436871	-0.269461732	0.4793214923
## 729	-0.9354225649	0.01	-0.3774206548	-8.160928395	1.6814007458
## 730	2.3238827658	0.00	4.8160371551	-7.987536587	-1.3715196359
## 731	1.5428189529	0.00	-2.9482725108	5.817616960	3.2752663978
## 732	-0.2993934640	-0.02	-1.2072575277	2.652720949	-1.3936798206
## 733	-0.8647026262	0.00	0.3332493872	-12.422999227	-0.0866135904
## 734	-0.9561207507	0.01	-2.4451391273	13.333544181	-1.9992633901
## 735	-0.1632222027	0.00	-1.7181410118	-1.125767502	-3.2730016358
## 736	-4.7846304565	-0.01	0.1586594483	-6.185695604	0.9477321138
## 737	5.1025906633	0.01	-1.5087140536	-4.658601618	1.4805120148
## 738	-2.4514278513	0.01	-3.7311241483	10.431046489	0.5160543284
## 739	3.7178294012	0.01	0.0677339101	8.498780118	-1.0014740103
## 740	0.2978332705	-0.01	1.8047377188	11.860250043	-2.9156363818
## 741	0.7996883157	-0.01	3.1314879733	5.196066943	2.8013723289
## 742	0.4084210037	0.00	0.5653565490	2.974639101	-0.2750962787
## 743	-2.7461568862	0.00	2.6573057157	-6.033962684	2.1572061424
## 744	1.0101389442	-0.01	0.3181956108	-2.423562272	-1.9571179283
## 745	-0.0473665608	0.02	1.0883880275	-1.144631157	3.9938908184
## 746	-6.4861463387	-0.01	0.7345551455	-13.444299188	2.5353178058
## 747	0.5365419771	0.00	-2.3314191213	2.372378445	-0.7401405366
## 748	3.1339348822	0.01	1.5799144050	-13.524392118	-2.6208839802
## 749	-1.8426498961	0.01	0.4135603764	1.432395235	1.7855467764
## 750	1.9436807416	-0.01	1.1303702335	-5.409200083	0.6878159865
## 751	0.4300350829	0.01	3.6837957926	-15.598658964	-4.8325487461
## 752	-3.3585797248	-0.01	-4.4080085067	5.317437055	0.5634795245
## 753	-4.0553292535	0.00	0.2225219115	-7.930459785	0.4123426372
## 754	1.5491602021	0.02	2.5836251152	-3.326002372	-0.6964259495
## 755	0.2242290183	-0.01	2.4793573666	-11.754045729	3.0354449776
## 756	-2.0254178180	0.00	-1.4735300018	7.982259967	1.4555109603
## 757	-4.0588080180	0.00	1.0285643619	-1.651203008	-1.1798185293
## 758	0.1154971696	-0.01	0.1228793036	-2.920003395	0.5646735452
## 759	0.1549564447	0.00	1.4309446292	3.616206297	3.2357584427
## 760	2.4974161236	0.01	-1.5589922695	7.980674333	2.4837101710
## 761	-0.4324914519	0.00	0.1134516142	2.318287353	-4.7541005868
## 762	2.9923209329	-0.01	1.9234688030	-2.654387389	-5.5657742655
## 763	7.9697082804	-0.01	1.6386226410	11.596418886	-1.6977690699
## 764	-2.5703437596	-0.01	0.3846997806	11.310010126	-2.5471644663
## 765	3.6287990086	0.00	3.9483694737	-3.722085583	0.2262015682
## 766	-0.5031025347	-0.01	-1.8594873296	-6.384035004	4.1147564168
## 767	1.2496196612	0.00	-2.2019135856	-4.344121153	-3.1864387236
## 768	2.3587235996	-0.01	1.9031925208	10.114298839	1.0843758558
## 769	0.6577994393	0.00	0.6658965323	17.267390463	-2.2090550180
## 770	0.5568063215	0.00	0.5670316345	12.816832563	-0.1059806004
## 771	-0.5565367991	0.01	-2.2486023193	-4.037275974	-2.0474156371
## 772	5.6127125296	-0.02	0.0229597616	1.007157568	-1.3434074865
## 773	-2.7335298499	0.01	0.7042546954	7.442290058	0.2929749360
## 774	-2.4641569924	0.00	-2.4852283532	5.559618965	-2.7877886310

## 775	-3.4987720164	0.00	-0.7545124323	0.184046875	0.8276068293
## 776	-1.3151087451	0.01	-2.5612438298	15.206341096	3.0431016324
## 777	-0.6451807714	0.00	0.0211126241	-4.236096673	-0.7198214437
## 778	2.3409915921	-0.01	-4.3512716125	6.498531811	0.1577659404
## 779	-4.7345031708	0.00	-0.5279322083	-7.516284099	1.5891488084
## 780	1.3140846489	-0.03	1.0407284222	5.142100670	-0.9686225212
## 781	-0.9351646350	0.00	0.1782657878	11.508997942	0.2712504142
## 782	-3.3586156140	-0.01	-2.9935757548	-5.204804706	-0.2331641795
## 783	0.2589674479	-0.01	-0.6852418581	-1.544187997	-1.0714505996
## 784	5.0112952777	0.00	-0.3789329540	-3.037546297	-2.0356078012
## 785	-3.7100054393	-0.01	-2.8954428408	4.798977345	-1.2474574908
## 786	-1.1344856985	0.00	2.7454330903	8.862597570	-2.1774014827
## 787	-0.1587684123	-0.01	2.1317664881	1.866292280	-1.4046822608
## 788	-4.6357427497	0.00	2.5699452323	10.821497868	0.4958694586
## 789	4.9104174068	0.01	2.4042124868	-13.881358157	2.3725124755
## 790	-0.4939732866	-0.02	-0.5520496400	-10.718717370	1.3158732142
## 791	4.9842414428	0.00	0.4102086827	3.759121512	1.9466761240
## 792	-4.2879082256	0.01	-2.1965593012	-1.258625016	-2.4126527420
## 793	4.1296575487	0.01	0.0087598358	-9.757332037	1.3861078000
## 794	0.0717069665	-0.01	2.7401340972	-12.778110602	3.8840844721
## 795	-3.5875242930	0.00	-2.1189655059	11.144306259	-2.4390887324
## 796	-1.1067042150	-0.01	-0.4479010272	-16.828837884	0.1764524602
## 797	-3.7943035500	0.00	-0.4900869015	0.311716382	2.4125170026
## 798	0.5065913258	0.01	1.0114279200	-9.345966728	1.7780707324
## 799	0.8738703303	0.00	-0.4950991499	-0.573052878	1.1481789941
## 800	0.0724437814	0.01	-0.7016895791	-9.210644184	2.3441120667
## 801	-0.3618839791	0.01	-1.9864432291	-1.855338031	-0.1375479112
## 802	0.8887329387	0.01	-1.2589355761	9.956106567	3.2669494917
## 803	0.9482553480	0.00	-0.2309735687	7.357589309	-1.8049413991
## 804	-4.3064887664	0.00	-0.4197519227	-9.056848244	-0.1581956981
## 805	4.7184948140	0.00	-2.7082893955	-5.314582211	-0.7080297770
## 806	-1.2953580955	0.00	0.4264042367	-2.981860000	2.3932295207
## 807	-5.0716030823	0.00	-0.1689445672	5.561395114	0.1964567722
## 808	-5.7460650310	0.00	-0.2073353975	2.408113464	1.3136425481
## 809	-1.1734976667	-0.01	-0.5670039907	8.512476445	1.0118907349
## 810	-4.7921253466	-0.03	2.1200232865	-16.052533565	-2.1180973051
## 811	-3.3260675678	0.01	1.2766549397	8.579341877	1.9285878068
## 812	-2.2920278447	0.00	-1.3258733407	-8.482360770	3.4590923857
## 813	-4.2848793719	0.00	0.5945281207	-0.054281315	-0.6870121448
## 814	1.1188504410	0.01	-0.0903402015	-4.629042628	0.2090228756
## 815	-2.6499117231	0.00	-3.4365305588	-7.591367763	-2.1717464365
## 816	4.0632203411	0.00	-2.6633970086	6.110219876	-0.3077199281
## 817	0.6882989439	0.00	2.8347492055	-1.182558119	-1.5871798439
## 818	2.0247529281	0.00	-0.2133883846	-3.259163297	2.6192774312
## 819	1.5981292126	0.01	-2.2880278133	8.864454802	-0.6209689558
## 820	-3.2413985343	0.00	-0.1152745064	4.419888896	-2.6895785082
## 821	2.3092030443	-0.01	-1.0660619222	-6.059409494	0.1832744413
## 822	0.5403984781	0.01	-0.6923395785	0.460524518	5.4808922170
## 823	3.7530464028	0.00	0.7741024296	-3.169673163	1.9185155622
## 824	-0.3509683273	0.00	1.3300630684	-9.377509432	-0.4130543785
## 825	-2.3338835172	0.00	1.2940393943	-2.019151758	1.7263781275
## 826	-1.6121213449	0.00	1.7472739480	1.859545193	-1.7709281031
## 827	-0.3617552554	0.01	-0.2330842033	2.608273441	-2.2564883617
## 828	2.6177166468	0.01	0.7043760344	10.068339538	-3.4530387453

## 829	0.2957922541	0.01	0.2566675403	-8.904909768	4.0711938399
## 830	-0.3007837019	0.02	2.7282973396	-0.805656878	-0.6344469506
## 831	-1.5564246110	0.00	-0.6150950289	8.493546202	-1.5275358343
## 832	-0.1528875212	-0.01	-1.3462617058	-15.460136948	-1.1025066524
## 833	-4.1253319061	0.00	1.4576976457	6.686679769	-4.4097771635
## 834	3.3394923325	0.00	0.4202710728	6.985874873	0.1252901226
## 835	-0.0004977278	-0.02	5.1921790694	12.023703452	0.4395468447
## 836	2.4435407544	0.00	0.0600971926	11.884106983	2.4131719413
## 837	3.4884648249	-0.01	2.4429225526	-0.753141994	-0.8984622532
## 838	1.9882414805	0.01	-1.3074453962	4.045989589	-2.9452762813
## 839	-2.4409998858	0.00	0.8656920208	12.043536169	3.1812571917
## 840	0.2311454121	0.00	1.0187121692	1.992092248	2.0169300759
## 841	3.1030899844	0.01	1.0919854843	-2.628044704	0.3960858368
## 842	1.5424447775	0.00	-0.9035908292	-6.429176923	-0.0135841632
## 843	1.4519712804	-0.01	0.7001648627	-4.210671935	3.8254089023
## 844	-1.1281991472	-0.02	-1.9977182039	2.041800172	-1.1552580022
## 845	-2.8063107543	0.00	0.4299353038	-4.192938560	0.0173870916
## 846	3.2960209299	0.00	-0.1086252792	-7.401274269	0.1927975502
## 847	2.8467745648	0.00	2.0326242267	2.975469438	-2.8597943474
## 848	-1.5664072378	0.00	0.7525610431	6.801537566	-2.2993622498
## 849	-1.0484211317	0.01	-0.6210084673	3.778836806	-3.0327667308
## 850	1.5796740161	0.00	-3.4667665658	1.342277324	-0.3108251486
## 851	5.2882604842	0.01	0.5188191263	-10.082012028	-0.4780860049
## 852	0.3002779807	0.00	-0.6228636132	-11.427444805	-0.0081195658
## 853	2.9198280894	0.00	0.1422342799	-11.015516572	-2.4196487303
## 854	2.6788229163	0.01	-2.6408652894	7.086875114	1.1959646861
## 855	3.7492406162	0.00	-1.9000543230	-2.575799805	-2.0221455695
## 856	0.6805931800	0.00	0.9137066566	-0.292290895	0.1978001633
## 857	-1.6836963503	0.00	1.4482369275	0.815039164	1.8741759712
## 858	-4.5111083675	0.00	-0.0909138250	-14.209089116	4.4377134213
## 859	1.0033688202	-0.02	-0.8414491134	-21.159812654	6.5345906774
## 860	-1.5520235466	0.01	3.3967890925	-3.265174470	3.4478213246
## 861	0.8282730037	-0.01	-1.6804185087	-5.630640853	4.5879449089
## 862	5.3462933503	-0.02	0.7157877146	-1.068164782	-2.2694520355
## 863	-0.6462659653	0.02	-1.1776499653	-1.586470329	-4.9254635770
## 864	1.0667990126	0.02	-0.8457138498	2.301970400	-2.0080956683
## 865	1.1186757340	0.01	-0.7507985850	7.181759035	-0.2802825452
## 866	-1.7948763259	0.00	-1.8228423135	-0.761322445	-1.2450093123
## 867	-1.0524267612	-0.02	-2.3020318475	15.647320924	2.9983056536
## 868	-0.9806820918	0.01	0.2745557971	4.762546694	-0.3724436446
## 869	0.1381886885	-0.01	0.2516944827	-0.343319179	-4.0032433193
## 870	-0.2567763127	0.02	1.0715276157	-6.669287845	3.0068577387
## 871	0.6709396083	-0.01	-0.5672948054	-4.515694492	2.1446308598
## 872	-1.1129372455	0.01	-1.2801864369	-5.194274422	2.3986839656
## 873	1.4542443041	0.00	-0.5391381812	-10.467991837	-1.6714397188
## 874	-0.8385396992	0.00	1.9368944536	-1.336457155	-3.8005717878
## 875	1.1850254749	0.01	-0.5817090356	-1.419815644	1.2491734539
## 876	0.6886975795	-0.01	-0.8525291439	-11.303600771	-1.7564626141
## 877	2.0828624612	0.01	-2.2697892915	-7.766240394	-1.6601419042
## 878	3.7812054371	0.01	-4.1720609682	-8.113099974	-0.7654841937
## 879	3.6988246901	0.00	-1.2941489664	-1.566382516	-2.7922857063
## 880	-4.1356479131	0.02	-1.6564323908	-0.984256369	0.0623493844
## 881	0.8339607804	0.00	-1.6524490600	-3.749178660	-2.4781290048
## 882	-4.3531106844	0.00	-0.8153015638	-3.122227660	-1.0660530854

## 883	-1.3905596941	0.00	-2.2043310207	-13.378696169	-2.4376758502
## 884	1.2932582180	0.00	-0.9479259553	-4.585827480	-1.3625746393
## 885	0.4831091785	0.02	0.2841360553	-11.982424667	-5.2362648766
## 886	1.1778688790	0.00	-2.2990099067	6.703839080	0.1223620817
## 887	0.1542654149	0.02	0.9067142535	8.337680137	0.3467398884
## 888	3.8329550143	0.00	-0.6543882939	-9.500031543	-3.0895374100
## 889	0.7917102048	0.01	-2.9778861979	-12.870531676	-3.4861317681
## 890	-0.1860926590	-0.01	2.5853888631	-2.190973482	-3.5705509499
## 891	-2.4077385325	-0.01	0.8554393447	-10.079545907	-2.1743548703
## 892	3.4745661815	0.02	0.0886764486	-6.668111024	-0.4996630384
## 893	2.6598531135	-0.04	0.8305615847	-2.039213271	-0.9958325894
## 894	-2.2668266621	0.00	0.3312750061	-0.991939016	-0.2526348599
## 895	-2.4009727482	-0.01	-1.9774234007	-0.923467953	-1.0084541623
## 896	2.5501769251	-0.01	-0.6575996068	14.643971157	-1.3376935196
## 897	-0.9086141530	-0.01	2.3381663892	-6.440191761	0.4106524795
## 898	0.7441155429	-0.04	-0.2494016126	-13.137246392	0.3935161377
## 899	-2.0481965982	0.01	-1.4702740523	9.312883029	-4.0356493072
## 900	-0.2039327774	0.00	-0.2832192098	5.770222411	-2.4768737264
## 901	1.0059720328	0.00	-0.2289978493	-3.471656676	2.1843804623
## 902	1.6434418638	0.00	0.8715491077	-1.529396432	-6.7532587762
## 903	0.1685530714	0.00	-2.3925095150	1.261367671	-0.4193168268
## 904	1.5692902623	0.01	-0.5780911799	5.311428862	1.1286512678
## 905	4.5714235044	0.00	1.2253863432	22.317861289	0.4013918152
## 906	-1.7270976347	-0.01	1.4353925063	8.331590808	1.0672606126
## 907	4.3597004237	-0.01	-0.2004559273	-5.084197274	1.6049778949
## 908	-2.9311657869	0.01	-2.1343099260	-2.895957020	-2.1688123418
## 909	5.6612755396	0.02	-0.4929297598	-5.685357765	-0.4481899806
## 910	-2.3250835991	-0.01	-1.5015913093	-6.132969068	1.0823957635
## 911	-3.6929523554	-0.01	-1.5077393566	0.070792733	0.0192599843
## 912	0.5968303881	0.00	0.5920407289	-10.060111772	-4.1432264670
## 913	-2.5133357101	0.00	-2.5191572698	-5.499308819	2.9104145019
## 914	-1.5221055658	0.00	-0.0231626952	0.327830764	3.8216206368
## 915	-3.5667229917	0.00	-0.1147105603	-0.192895439	0.8024787692
## 916	5.9279907154	-0.01	-2.0783047993	9.886883090	-2.3823622974
## 917	2.9783209401	-0.01	-1.7609540486	-4.709942550	2.7129184825
## 918	1.3848297421	0.00	1.2370126255	2.804092006	-0.8727090275
## 919	1.0043121514	0.01	1.8355807452	-0.993267886	0.2750821634
## 920	1.6621656393	0.00	-0.1969601942	3.848562520	3.0625300885
## 921	-5.8974548749	0.01	0.3423365536	5.579721445	2.2455997403
## 922	0.3332956514	0.02	-0.8234538003	-2.304494517	1.1651385545
## 923	-5.6131535532	0.00	-1.1674017486	-11.565229107	0.8423834581
## 924	4.4939863038	-0.02	0.4021578619	-9.778243629	-2.2244105726
## 925	-2.4348986695	-0.01	-1.0263067799	-2.844452826	-3.2577334629
## 926	-2.3444069058	-0.01	1.0287629421	-16.985087777	6.1040689118
## 927	-1.8589826510	0.00	-0.2113282687	0.031621523	1.5773349366
## 928	3.6906725923	0.01	-0.3793958509	5.474143462	3.0351695815
## 929	0.1165184137	0.01	-1.0569267338	4.968496913	3.1285132989
## 930	3.9752947948	0.00	-3.4107025053	11.306898897	0.8343781976
## 931	2.2200415755	0.00	-1.2172276163	-5.573219516	-2.3673372037
## 932	-2.8041714318	0.01	1.9913521077	9.005806772	-1.6867747335
## 933	-1.4367593903	-0.02	-2.0709965727	-2.386752913	1.0116685134
## 934	-1.8340194652	-0.01	-0.8227149241	-3.772317981	1.3660216712
## 935	-3.9827550070	0.00	0.4979035020	-3.157376365	1.2549564494
## 936	4.7030331206	-0.01	0.5319948217	-6.971949541	0.1244509309

## 937	1.0288509499	-0.01	-0.9273444884	2.430513108	3.9818146101
## 938	-4.0260244400	0.00	1.5720840211	-7.209001713	-0.9439187283
## 939	6.8158619153	0.01	-0.4633234802	13.287137894	7.7118409344
## 940	-1.6214429534	-0.01	-1.6095772880	-10.167620343	-1.2713718238
## 941	-0.9207426278	0.01	1.8459523360	17.726643012	-0.4789142258
## 942	0.3495473877	-0.01	-0.7546611925	-8.027426510	0.7903219309
## 943	1.3400475600	0.00	-3.3642964319	0.056874927	0.34171110953
## 944	2.3192020634	0.01	-0.9438203592	1.479878101	-0.6520434063
## 945	1.4094315523	-0.01	-1.0708505645	10.029044344	-0.2743815539
## 946	-0.3838276074	0.00	-1.6971438048	-9.361427875	1.9685004782
## 947	-0.7316843218	0.00	-0.8540156646	-5.927571594	-1.2891505946
## 948	-1.0833299584	0.00	1.0744673809	-12.453813360	0.2218540304
## 949	1.8191245851	0.00	3.5029505845	0.730196348	1.9061488880
## 950	-3.4918406733	-0.01	2.9846373212	-1.278940454	-2.9010716105
## 951	-1.7333344013	0.00	0.2213370194	3.303478461	4.1015695813
## 952	3.9256084207	-0.01	-4.5172285142	1.055851643	-2.2886427191
## 953	-1.6940875839	0.00	3.3385397722	-12.436147467	-0.1621585624
## 954	-1.2751756726	-0.01	1.0319834068	-14.607262235	3.1512891795
## 955	1.5605440529	0.00	3.9208149369	2.164820035	-2.2904177976
## 956	0.8770213045	-0.01	-0.0967870483	-4.967791328	-2.4024445529
## 957	-1.7718325023	-0.01	-2.3251048191	7.509150064	-2.5148543305
## 958	-4.1090199010	0.01	0.4099232019	-1.961992310	1.2301911597
## 959	-4.0239448679	0.03	0.4305766759	-6.440529331	-1.1813234553
## 960	3.6540745373	0.00	2.3245196577	-15.124535283	-4.8154297991
## 961	-2.7783778862	0.02	-1.2654174223	-4.887972042	-0.8413904330
## 962	-4.1873806441	0.00	-0.6972009399	1.713380354	-1.5745593606
## 963	2.3499113021	0.01	0.4927575033	-6.540164425	-1.0398555059
## 964	1.8041066554	0.01	1.1871831708	11.888523247	-3.2316121803
## 965	3.4295866769	-0.01	-0.5721124579	-8.787523014	-1.3336445751
## 966	4.8472586556	0.00	-2.0774281469	1.544503622	-1.8259560869
## 967	2.4905127712	0.00	-1.1910083290	11.320398380	-0.6811875161
## 968	-2.5046529233	0.00	-1.0002355554	-5.177344087	-2.1317307486
## 969	0.4603912214	0.02	2.5027967313	-1.016868906	-1.6820599895
## 970	6.2238571343	0.01	-2.6949139264	13.167662626	-0.6062233272
## 971	4.1092403039	0.01	2.7431402267	-12.155633573	-0.1635293011
## 972	-3.5757830610	-0.01	-1.2479169148	0.850820946	0.7950503349
## 973	0.8062552060	0.00	-0.8878207255	-14.697207348	-2.1662695051
## 974	-0.3040897455	0.00	-0.7958451324	-9.137078131	1.3882400320
## 975	1.1463433937	0.00	1.9901266475	5.701994707	-3.2326943370
## 976	1.6768694626	0.00	-2.3904396665	1.516442564	2.9284503245
## 977	5.7862099379	0.00	0.8688356091	7.174879333	2.1316182673
## 978	-3.2426990089	0.00	3.4777896710	6.309264323	2.0883183624
## 979	0.5504800503	0.00	-1.8278738911	-3.815464867	-5.1364939402
## 980	3.6278292026	0.03	2.4674393790	2.132422437	-2.2263592193
## 981	-3.8774835081	0.01	0.8184315860	0.971694207	-0.7980512032
## 982	3.2470185440	0.00	3.7071550279	19.941579896	0.6965190580
## 983	-2.7150183447	-0.01	2.6363475653	-17.146999020	-2.7965299777
## 984	-1.9180464283	0.00	1.0971103942	4.843421005	-1.5853993635
## 985	2.3430975601	0.01	-3.7213452499	5.120708086	-4.7810598536
## 986	4.4382955873	0.00	-1.9169126566	-17.035834376	-0.1745456073
## 987	-0.0312709959	-0.01	-2.6190279922	24.907772596	1.5728078555
## 988	0.1657475883	0.01	0.1992962733	-8.346787145	-4.4877539549
## 989	-1.9331434006	0.00	-0.7541521777	-3.132775935	-1.0021345198
## 990	-2.3028878279	0.01	0.8080402881	-9.638834290	0.2260602261

## 991	2.4751587337	0.01	-1.0028872991	7.204955160	-0.0497395945
## 992	-0.7640316896	0.01	-1.0460763558	-7.437583446	-4.3688913399
## 993	0.5810340010	-0.01	-0.9130950276	-5.517385057	-2.7322599613
## 994	-1.6280523134	0.01	-0.4496889370	-3.952653240	-0.4164233444
## 995	-1.4376356348	0.00	1.6986365230	-14.645589278	-1.7916273041
## 996	2.2037320790	0.01	1.4420601409	-7.790810394	-0.8092971941
## 997	5.1015066245	0.00	-1.2979471140	1.041572501	-0.7362033596
## 998	-2.5114925444	0.01	-2.4314622772	4.535277188	1.5474419843
## 999	-3.3866058380	-0.01	-0.2948810846	-2.794928658	0.8487738485
## 1000	0.7844377680	0.01	2.7671754397	-0.160126003	-1.7621729257
## 1001	-0.8144010641	-0.01	-0.5090815832	-1.632199402	-0.0388199580
## 1002	-0.1867410455	0.00	0.9119483140	0.760592600	-2.2912792606
## 1003	-5.1669078859	0.01	-0.9446210823	-6.715588184	3.6732198274
## 1004	-4.5904800860	0.00	0.3278656139	12.795855413	2.4375262790
## 1005	0.7070596577	0.00	1.7717411019	-5.383277510	-2.8455860591
## 1006	-2.8676725035	-0.01	1.1567829152	-1.608216787	-2.9215799766
## 1007	-3.7902929165	-0.01	-1.4244515776	8.506570174	-1.5272278555
## 1008	-0.8154323194	-0.01	2.3268353868	19.463920675	3.0107046345
## 1009	-2.0305027295	-0.01	-2.1761422646	7.179061208	1.7225583130
## 1010	2.5749416382	0.01	-0.3591082281	-8.689764023	0.7163671761
## 1011	-1.9266377960	-0.02	2.4653011791	-2.857199665	-0.9901893880
## 1012	1.0915444916	0.01	-0.1278541361	-3.467406717	-1.7593890583
## 1013	4.4284383362	0.00	1.5073184109	3.367117553	-0.0214143224
## 1014	0.3962971012	0.00	3.2392781239	-5.835202936	-1.1334459407
## 1015	-4.5165917119	0.00	-0.8627645351	-8.005393329	1.6486156300
## 1016	-0.9910056615	0.00	1.0764976192	7.872482809	-3.9041790629
## 1017	2.6626573726	0.01	1.1036208296	5.168765728	1.8774778761
## 1018	-1.8149399959	0.00	0.2228779613	4.487346458	0.8814761752
## 1019	-2.5700983537	0.01	2.5493595765	-10.421647273	-2.3551164494
## 1020	3.0533654289	-0.01	-0.8835710668	8.577469919	1.1044923690
## 1021	1.2217044188	0.01	1.2168414887	-7.338975445	1.4538119047
## 1022	2.7937063504	0.01	-1.5707108535	-2.901188375	0.6174215041
## 1023	0.1923489549	0.00	3.3745043941	-7.187535609	1.9953159870
## 1024	-4.1004340854	-0.01	2.6166925896	-0.959042989	-2.6043764321
## 1025	0.1797621314	0.00	-0.4108491487	6.619374696	2.9122505591
## 1026	1.1053029284	-0.01	-0.9890157770	-1.003933963	6.3894732274
## 1027	-3.4805180778	0.02	-2.4152357596	-4.810567343	-1.2143065935
## 1028	1.0944650681	0.01	-0.5892847468	-1.930951784	-1.5530152319
## 1029	-1.2418704089	-0.01	-5.6160088221	-15.184709849	-0.8070232144
## 1030	-3.0726813800	0.00	-0.9469437485	-1.462325519	5.7219477593
## 1031	0.7788988313	0.01	3.2124687356	2.936697808	3.4184341748
## 1032	1.6810072789	0.00	-2.3411991794	17.507638590	-0.7555198136
## 1033	1.6784108410	-0.01	1.1281343981	-4.628669833	1.6490563708
## 1034	-4.1499456171	-0.03	0.5293024205	-4.835505593	0.3937113186
## 1035	-2.2798991285	0.01	-0.3629086492	-10.514114066	2.2761677180
## 1036	0.5958600063	-0.01	0.5880557647	7.893868775	2.5293008055
## 1037	1.1488730799	0.00	0.2689617442	1.686179487	-0.8750144198
## 1038	-1.4378050803	-0.02	-0.4346488711	2.068391451	2.7235439976
## 1039	-2.0594814571	0.00	-1.5924710637	-8.620123287	4.3626861325
## 1040	-2.4512927394	0.01	-0.9557749765	5.647018605	-1.4875094790
## 1041	2.1772598688	-0.01	0.0461121059	-0.726734924	1.3104211729
## 1042	0.4458079515	0.00	-1.0307352834	-3.348160090	-0.3731906506
## 1043	-0.1738637790	0.00	-3.4490404132	-14.786980668	1.0300973378
## 1044	2.5956256458	0.01	-1.1522414485	-5.031258719	-1.0908582706

## 1045	-1.1238482344	-0.01	-3.5144327509	4.134967196	-0.8117010625
## 1046	2.1514862293	-0.01	-0.9139233018	-6.441581303	-0.0854229127
## 1047	-1.9682583520	0.02	-0.9002450457	-3.146942698	0.5178632673
## 1048	-0.0764328209	0.00	-3.7300179252	-10.529799659	-2.5540620957
## 1049	-2.2111951908	-0.01	0.3018315470	5.856350966	-2.0582332581
## 1050	2.6654373194	0.01	2.2293623615	-2.939583437	2.2474988659
## 1051	-3.0520268368	0.00	0.8709263864	-3.255449888	-0.4239729421
## 1052	-1.0660300950	0.00	0.4466459020	-2.746779427	-5.4891330780
## 1053	-0.1617443564	0.01	-2.7433342355	3.669896210	-2.2087905330
## 1054	-5.8702521999	0.00	-0.1525565600	0.438947444	2.5591893472
## 1055	1.8220940129	0.01	4.2253109249	-3.103616409	1.2941719618
## 1056	1.1818561868	0.00	0.1954969865	-1.285984006	1.6290938180
## 1057	-2.0205740561	0.00	3.1847519004	5.967726900	-3.6480551521
## 1058	-2.3113593651	-0.01	1.2746277872	-7.432748591	-1.2577344905
## 1059	1.0511356951	0.01	-0.0635657001	14.645377101	0.3138102035
## 1060	2.6267090053	0.00	0.3415416610	-4.604725882	2.2482064668
## 1061	-3.1487771181	-0.02	1.9466153702	-0.192039840	3.0364909334
## 1062	-1.2853474141	0.00	1.3384180586	-3.288978095	-0.7194005419
## 1063	-4.1684361698	0.00	-3.6401116121	11.654233310	0.8814395919
## 1064	0.1332467017	0.00	0.8638086964	-4.124432144	-0.6170386872
## 1065	0.1236185163	0.01	0.5442544635	-6.770342742	-1.7965318221
## 1066	-6.6030115723	0.01	-3.1011672399	7.957677510	-3.6320238276
## 1067	-3.7988848478	0.00	-0.8805647552	-8.598561191	1.4515240028
## 1068	-7.5830268090	0.00	-1.0620556427	3.603431728	-3.0790627744
## 1069	-0.2384784569	0.00	-1.4901345552	2.836279893	-5.1156931584
## 1070	1.1281283677	-0.01	-3.2945401134	4.227466343	1.3130557263
## 1071	6.1525941335	-0.03	-1.7452921995	-14.662568809	-4.0001155841
## 1072	0.5751924434	0.01	1.7778546662	7.738778613	1.0757602853
## 1073	2.2859614261	0.00	1.9065244555	12.022762911	0.6830304983
## 1074	-2.6902484533	0.01	-2.7820336515	-5.745575508	-1.0073778798
## 1075	1.6564723459	0.01	0.8982861944	-4.943207344	-0.7917743142
## 1076	-2.6968086387	0.00	-0.2666098995	5.905247411	2.0676560068
## 1077	2.0817129550	0.01	-0.4547903862	-9.615538358	4.7826201970
## 1078	-0.6043894433	0.01	-0.1711642201	-3.080826327	-3.7127342006
## 1079	0.1543312319	0.01	-0.7816600706	-0.682995438	2.2643495276
## 1080	0.7031570055	0.00	0.8724119077	-15.459653118	-2.5391497188
## 1081	-0.8010068168	-0.01	0.2820388780	-3.606860193	0.6859696100
## 1082	-1.8920877860	-0.01	0.0200546855	4.005077522	-2.0160460650
## 1083	0.8352897610	0.00	-1.3497466692	-4.219187490	0.4584373950
## 1084	0.5558403426	0.00	-1.5933904327	-8.368530914	1.3398003460
## 1085	1.1620377887	-0.01	-0.6517677868	-9.568856188	0.1438266443
## 1086	-4.6430227417	-0.01	-0.7198871171	0.283848018	-1.3174934691
## 1087	0.7767500138	0.00	0.0542687066	7.025824086	1.3219415912
## 1088	0.1711705451	0.00	5.1800129046	10.297388341	0.2640950411
## 1089	-2.2789638440	-0.01	-2.2843669133	1.674705841	0.8781502010
## 1090	4.8543187538	0.00	-0.3644453599	4.380622569	-4.2230499835
## 1091	1.8421546413	0.01	-1.7293310794	-8.310727037	4.0336980528
## 1092	-3.0761119892	0.00	-0.9454090961	-2.596645544	0.4996722545
## 1093	2.7575673737	0.00	0.1249052712	15.108755417	0.0848412780
## 1094	1.2596154331	-0.02	0.1315642856	-6.463219927	1.0651661988
## 1095	-2.1561840768	0.01	1.7516197284	-1.394584740	-0.9568004778
## 1096	4.5695502930	-0.02	-1.2012439495	-14.711534853	-1.2288788240
## 1097	-0.1577591823	0.01	-1.5416266309	-3.799759816	-2.9782564718
## 1098	1.1953538936	0.00	-3.2391413761	-1.077161148	1.0809497984

## 1099	-7.2332273849	0.00	1.8531384702	5.956628176	1.1959693980
## 1100	3.2155028533	0.02	3.0822018574	-7.402377175	-0.3175249375
## 1101	-3.5707300808	0.00	0.7294427442	1.344167281	-1.2804665916
## 1102	5.8279785907	0.00	0.5414344891	-5.689925064	-0.9884627357
## 1103	-0.9722840820	-0.01	-0.7662890561	3.762150198	-1.1657164911
## 1104	-0.6443540217	0.00	1.6613201689	1.270739536	3.2391353420
## 1105	-0.3202990636	0.01	-3.7587520996	-3.450915728	0.5568267262
## 1106	-2.5445046571	0.01	0.6627457550	11.638883492	1.1504880634
## 1107	0.9789354765	0.00	-2.5526881178	4.900037651	1.9225580507
## 1108	-3.2063134018	0.01	-0.0986412075	4.070974230	1.6479409511
## 1109	-0.4536565510	0.01	-1.8578675190	-11.031955156	1.0806438285
## 1110	1.9655632189	0.00	-1.9308716042	7.306411811	-1.4817150154
## 1111	4.0202125412	0.00	-1.8992777243	5.012924055	-1.3426190515
## 1112	0.0440239733	0.01	2.4344675671	12.631187639	-0.6950473833
## 1113	4.5108098206	0.00	-1.4508919832	-2.866355942	4.9298932504
## 1114	-4.4030031988	-0.01	4.6506965746	12.597921435	0.3806454861
## 1115	-1.4748097294	0.00	-0.5669789348	-3.876180045	-1.2125638415
## 1116	-0.1141275291	0.00	-1.0612981003	1.785169657	2.7303014616
## 1117	-1.4715336042	0.01	4.0200069510	6.412335483	2.2768267125
## 1118	-1.3161383652	0.00	-1.1785825472	-5.910566975	1.5940774992
## 1119	0.8676090564	0.00	1.4950863187	-0.009262640	-1.9111537598
## 1120	1.5826698345	0.01	0.4112629154	0.515333921	-3.3564102048
## 1121	-2.6076222359	0.00	-0.9231262063	-11.874241296	-2.0254297238
## 1122	0.1167659076	0.01	0.4540081583	0.157552866	2.3515794195
## 1123	-1.5518550643	0.01	-1.5341879872	2.027150128	2.9681718616
## 1124	-0.8768114972	0.00	2.5414544973	-4.235761915	-2.0331720204
## 1125	-3.9113973894	0.00	0.2223985296	-8.281215584	-4.4330016079
## 1126	0.5947361354	0.01	1.5431902026	6.433203590	0.9588901222
## 1127	2.2002740482	-0.01	3.1726683104	0.460360856	0.8633723634
## 1128	-0.9637877471	0.00	0.6925269387	12.251903831	-2.3622635670
## 1129	2.2231155077	0.00	-2.4320976876	-2.535488844	-3.9065214898
## 1130	-0.2676941163	0.00	0.9832954533	0.273014507	2.2547115548
## 1131	4.7012801111	0.01	-1.2346162391	1.328701517	1.2575441126
## 1132	1.1609154036	0.00	-0.8651020343	-7.993563265	1.5868784286
## 1133	0.6289871500	-0.01	0.7187384816	-6.174839498	1.8418912270
## 1134	-2.8828861728	-0.01	-2.6237904795	-13.007920810	4.1789222955
## 1135	-3.5499702164	-0.01	0.1658817599	7.687138441	-2.7760096814
## 1136	1.8638744818	0.01	-1.9134272443	1.215678720	0.9913420850
## 1137	1.3573703083	0.01	-1.3436483247	9.866389299	-1.9712574738
## 1138	-3.4365258786	-0.01	-0.9933164478	9.628052094	0.9315314873
## 1139	0.9696454796	0.00	-0.9327820626	-3.263500389	-3.7205779165
## 1140	-5.7737037474	0.00	-0.5955530606	13.392997030	-1.9767115405
## 1141	-0.1013123753	0.00	2.9042072105	10.189308923	0.4518067190
## 1142	1.6725150244	0.00	-1.6994805049	-3.157326359	-0.4233785113
## 1143	-1.0637961129	0.01	-1.8211192741	-2.456787887	-2.2009887045
## 1144	-1.5408001515	-0.01	1.3472653653	0.239419467	-2.3241796192
## 1145	-1.0491654389	0.00	-0.4394618334	-16.576343234	4.7481602029
## 1146	-0.1134173121	0.00	0.2748298873	-0.913276943	4.8858461507
## 1147	-1.0299434769	0.01	2.2951112112	-6.885098100	-2.6576036482
## 1148	-0.4734002715	0.00	-0.0821635711	11.875269006	0.8053695103
## 1149	2.6694492921	-0.01	1.0316358431	-2.543112034	-0.9383129356
## 1150	0.8872814696	0.00	0.2776217051	1.304503236	-0.1556004042
## 1151	4.4538072917	0.01	-1.9215332632	8.689573762	-0.0453516705
## 1152	3.9923738673	0.00	1.6467471828	2.790525669	1.8376996202

##	1153	0.9592608236	0.01	3.7077147632	-13.788097992	-0.2032285542
##	1154	1.0590986754	0.00	-1.8279358494	-2.059219436	1.5558443224
##	1155	-0.2890475297	0.02	-0.2512130314	-6.675969174	2.8885660038
##	1156	0.6333981447	-0.01	0.1025279918	0.974601893	2.1275910249
##	1157	-3.6361573736	0.00	1.2302736913	5.511335734	2.7667412463
##	1158	4.1987014797	0.00	-0.0223805085	0.663572914	-2.6634123945
##	1159	-1.1128007355	-0.01	1.6890616250	-11.673573612	-0.2160541916
##	1160	-2.4401697914	0.00	-1.0415878518	2.063858028	-1.7288133581
##	1161	-0.6022047244	-0.01	0.1553972634	1.190265014	-2.3412635737
##	1162	-0.4988247325	-0.01	-2.8425811999	-3.410040710	3.4877119304
##	1163	-6.7102878930	-0.01	-0.4684593490	-7.316434998	1.5839784876
##	1164	-1.3834935390	0.01	1.7023899688	-3.867777605	-0.5810449056
##	1165	-0.8228942653	0.01	0.8844640255	4.554677684	0.4872316032
##	1166	2.0910915472	-0.02	0.0935718598	-1.770273060	2.1010015758
##	1167	1.1483172485	-0.01	-0.9868318803	-11.891832862	0.3859515986
##	1168	-1.8836865506	-0.01	-1.8165762267	-14.407292601	-2.2921284149
##	1169	-1.4253041277	0.01	0.4113670744	4.932032257	0.2007476024
##	1170	0.7948062079	0.01	-0.6776289528	11.616597261	0.5878651461
##	1171	5.1349773982	0.03	2.7657263867	-17.019460433	-0.7478520548
##	1172	2.0647624520	0.00	-0.4301345231	0.828392083	-4.0172416459
##	1173	1.8131164802	0.00	1.9851803053	-4.890929012	-1.7787385168
##	1174	1.8544557185	0.00	-1.0198686771	7.713054513	-1.5284558381
##	1175	-1.6591263826	0.01	1.2782013748	-14.361236260	2.0834549701
##	1176	-5.0601901480	-0.01	-0.6945469361	14.134757919	-0.9307318782
##	1177	-2.7561744277	0.01	1.5688795241	2.992920573	1.0612442600
##	1178	3.1627571387	0.01	1.3360035402	2.197842260	-2.8576880988
##	1179	3.8665610362	0.00	3.2899342913	0.141849056	0.4281958855
##	1180	-1.7699221684	-0.02	0.7648566953	4.824335876	-0.3046578358
##	1181	-2.2735974886	0.00	0.9582789371	10.697456028	0.9357136440
##	1182	-1.0452584044	0.01	3.1597653224	-5.139064133	-0.1703528247
##	1183	3.7851839608	0.01	-1.6475102197	-3.218669151	2.0729051042
##	1184	3.6698792206	0.01	-0.8282252959	-0.582440963	-5.0397891536
##	1185	3.7365185477	0.02	-0.5290542509	-10.937547838	0.3655787829
##	1186	-3.0151138041	-0.01	-0.2069558114	5.630555615	3.0769452491
##	1187	0.4670322760	0.02	1.7374788573	5.857251306	-0.5909368854
##	1188	4.2990436494	0.00	-2.0969343272	7.320723678	1.1604526700
##	1189	-1.3200882313	0.00	-0.0292730830	2.117555242	-0.0174996496
##	1190	-2.9504380059	0.00	2.0736613483	8.222444809	-2.0482433126
##	1191	-0.6374980564	-0.03	-2.3385621294	-8.980622582	-0.9315445409
##	1192	2.9985372921	0.00	-0.6523216613	3.119370688	1.7532306941
##	1193	6.4388666895	0.00	-1.4315886059	4.141366093	-1.3717671474
##	1194	1.5862384700	-0.02	1.7266661684	2.772006807	-4.8063467119
##	1195	-1.2565539163	-0.01	-4.2405864257	-7.740211340	-1.3466771544
##	1196	3.4637337991	0.01	1.2628466122	-3.880556576	0.4421252036
##	1197	1.9618126571	0.00	-3.1404880824	-7.118951936	-0.9028461681
##	1198	-0.2013352652	0.01	0.3513409762	-4.139682652	-2.6340312413
##	1199	-2.8727652448	-0.01	0.1865950039	-4.613760425	-3.2646733315
##	1200	-4.5626738725	0.01	0.4585123973	-10.171300345	1.6978589426
##	1201	-2.8328935904	0.01	-1.5824624425	-1.722181865	-0.2394015263
##	1202	2.9783756495	0.01	0.2096922224	-5.369261665	-0.8408629696
##	1203	-1.6539917011	0.00	1.1336319657	24.247689149	0.4758764801
##	1204	-0.2862078672	-0.01	2.0808167264	-6.705245466	2.4671774859
##	1205	-1.9842831221	-0.01	-0.3238342553	5.752884152	0.0552638527
##	1206	4.2717295818	0.03	0.0702261611	-11.049471634	-0.0245589512

##	1207	-2.3428225249	0.00	-0.7930104988	4.319360566	-4.0404582439
##	1208	1.1060390328	-0.02	0.7294938632	-4.208251518	-3.0714993363
##	1209	6.9720716964	0.01	1.4119491403	5.565397962	-2.4663698527
##	1210	3.6266700329	-0.01	0.4343016299	-7.485690892	1.8571494999
##	1211	-2.4175660399	0.00	-0.2692794940	3.372809679	-2.3168794186
##	1212	-6.2726299653	0.01	0.2286962214	3.273329267	1.0622481676
##	1213	2.9906333357	0.00	-1.4997878536	-14.137634660	-2.8375170021
##	1214	3.6045045966	0.01	0.6616670835	6.869946323	-1.2364545352
##	1215	5.6366264493	0.01	0.4183025626	-0.832763118	-1.3755428744
##	1216	0.5236705558	-0.01	1.4767261952	-2.655380848	-4.9411599493
##	1217	-0.6339097386	0.00	-1.2353208305	0.985410055	0.1926175567
##	1218	2.4231079313	-0.02	1.5889868000	13.445273646	-2.3566951393
##	1219	-8.2220881532	-0.01	-0.0860268043	-5.460797979	-2.3236666412
##	1220	-2.8238000589	0.01	-0.9406921824	9.867319269	2.2475187749
##	1221	0.1982306268	0.01	-0.2323158793	9.777075510	-0.2450725562
##	1222	1.8680063151	0.01	-0.1409207817	14.924422599	-1.7785555647
##	1223	4.3935424635	0.00	-0.5494222706	-15.971838073	1.0172793311
##	1224	0.2951985907	0.00	0.4156612989	2.221808158	0.1962061833
##	1225	-2.8145374459	0.00	-0.3210637488	16.354913475	-4.0631982901
##	1226	-2.2873551087	0.00	-1.7530623512	-7.055652962	0.8068013690
##	1227	1.5929413056	0.02	-2.0440085996	3.900494362	-0.2546029053
##	1228	-0.6640866835	0.01	-2.9942943717	5.673001095	0.3661828300
##	1229	1.3127761098	0.02	0.1486823079	-6.600135461	2.3761220786
##	1230	0.2567802642	-0.03	-2.0464867067	-5.022782965	-3.7210723736
##	1231	2.3890178882	0.00	0.7229417624	5.207713701	2.1052317912
##	1232	0.6657473532	0.00	-0.5443690524	1.709698351	1.0235166037
##	1233	-1.3835232319	0.00	-1.0107558913	1.902821787	6.9269415908
##	1234	4.2535138056	0.02	0.2472120103	-3.510831938	-2.2597567180
##	1235	-1.0592765561	0.01	-2.2169966639	-1.578620383	0.2036025635
##	1236	0.9131485575	0.01	2.1441877292	-3.023547029	-1.3150165857
##	1237	-1.8369395926	0.01	-1.7558356291	12.118946476	-3.7968194882
##	1238	-2.1986346976	0.00	-0.0073306716	-9.721166998	-1.0015598869
##	1239	-3.3896715777	0.00	-2.7312886518	7.206803945	-0.9595714973
##	1240	3.0739034305	0.00	-2.5083097507	3.783975085	0.9702923437
##	1241	0.2469056261	0.00	-2.7292925014	-13.617129424	2.9596642504
##	1242	1.8597034686	-0.02	-0.3300150766	7.042398559	-0.2315048526
##	1243	-2.7451197428	0.00	-0.8430960276	12.947254943	2.7212922941
##	1244	-0.7904477473	-0.02	1.4101717126	-10.340029025	0.2229582342
##	1245	-1.3006140532	0.00	0.4707410119	-16.909092808	1.7121903071
##	1246	-3.5734145996	-0.02	-1.2134584276	9.742824470	-2.5284477755
##	1247	-5.2132789592	-0.01	1.5637939564	3.267625818	-0.3058239730
##	1248	1.7737139772	0.00	1.3634628071	-1.807888791	-1.4941058460
##	1249	0.4770919853	-0.01	-2.4870545316	-1.115737748	-0.5007805078
##	1250	2.3594375630	0.01	1.5209516780	7.819914776	4.7608940010
##	1251	-3.3047055458	0.02	1.3788560365	4.846879228	-3.1447432870
##	1252	-0.0154991440	0.01	0.4418995392	-4.314783226	0.1035898526
##	1253	-1.6224043228	0.00	0.0364718319	-2.686650015	-1.4405699830
##	1254	0.6608017817	0.01	3.3127533191	-7.470781892	-0.8915701198
##	1255	-2.4017714984	0.00	0.8768726168	-1.937270431	-0.1522322711
##	1256	4.7273466090	0.01	2.5005764291	3.768493454	-0.1598029984
##	1257	1.3563926813	0.00	0.2963236797	-18.463698888	-2.2744181184
##	1258	1.7768271462	-0.02	-2.2060448898	-3.229047744	-0.5575575180
##	1259	1.2518595693	0.02	-0.8864722919	0.373720321	-4.4779463031
##	1260	0.0810106048	0.02	-0.4116804835	3.565028383	-0.0182705847

##	1261	-2.5975550302	0.00	-1.0185330338	12.881586699	2.6654673833
##	1262	2.2207475492	0.00	0.1279236042	-14.823248823	0.5204781006
##	1263	-1.9723164488	0.00	-2.1894012732	-5.999581449	-2.0658850009
##	1264	-2.5192486602	0.01	2.3531051492	6.015911726	-0.6024857376
##	1265	-1.4266936725	0.00	0.2118424202	-0.865419822	-2.2313999428
##	1266	-0.5400141991	0.00	-0.1991587165	4.740769640	-2.0870675493
##	1267	5.3330349583	0.00	1.6881254623	1.697394016	1.6682011834
##	1268	0.1771277300	0.00	2.4050252905	-6.210468956	-1.2987720526
##	1269	-1.9785962210	-0.01	-2.1666044663	-6.545647081	0.1350632853
##	1270	-1.9984747734	0.01	1.9196989948	0.173871312	-2.4874167773
##	1271	4.0623306303	0.01	1.1208608641	0.672355874	0.0755928451
##	1272	1.8665498123	0.00	-0.8810182426	2.311811442	-1.9170866015
##	1273	-0.0394426554	0.01	0.1885898575	-9.684127190	0.9678162687
##	1274	-0.2334345539	0.01	1.6536009014	0.379973933	-5.7246627263
##	1275	-3.9852431089	0.01	-0.5850845362	-12.853114596	-0.5738187329
##	1276	-0.0133948031	0.01	1.5441849066	-13.168373754	-3.0060831409
##	1277	0.2142132614	0.00	0.9962088318	-13.276193282	0.7475833905
##	1278	-3.1705118326	0.01	3.5249020004	10.322557696	-3.4728791959
##	1279	1.1111686291	0.00	1.2591433009	0.834479496	-3.1772789475
##	1280	3.4819426733	0.01	1.1006847736	-13.149805013	1.4305274852
##	1281	-0.1607189505	0.00	-0.7193791544	-11.628171317	2.8952314354
##	1282	1.3451606907	0.02	-0.0278833512	-5.451033330	3.4980394369
##	1283	-0.3941433462	0.01	0.4608645626	-13.385483923	-0.8220200285
##	1284	-1.4596764611	0.00	-0.6095166838	5.823495162	-5.5713987953
##	1285	-2.9394974068	-0.01	1.1324639752	2.848998797	-0.5135716896
##	1286	1.3935527099	0.00	0.3465684962	-4.509205151	-0.5904115887
##	1287	6.0491552206	0.00	-0.9549202651	-0.139234663	-2.4852619567
##	1288	1.6698549718	0.00	0.6101900430	-0.300312431	2.6035474829
##	1289	0.5436335706	0.01	0.3312017204	3.899048363	0.6220685883
##	1290	1.9617137986	0.00	0.7850980516	-10.517630825	2.7989009773
##	1291	0.8746977246	0.01	-1.2716376006	-9.355785678	-2.6222990041
##	1292	-1.0043615867	0.00	1.7843082198	-12.499687888	-0.9939439301
##	1293	1.1901154827	0.02	0.4730064154	-0.914392786	-3.0777879391
##	1294	1.6648758984	0.00	-0.9162449173	-11.557464434	-0.4274012622
##	1295	-2.6151787361	0.00	-0.1752145034	3.416161326	-4.6969149014
##	1296	0.1423780932	-0.03	2.1555560261	-4.380876604	0.7428001821
##	1297	6.4590446510	0.01	-0.6898346900	-7.945334923	0.4673185106
##	1298	-2.6174042982	0.01	1.1662267141	-0.182076600	-0.9088874362
##	1299	-2.2611641257	0.01	-0.0874481493	1.816349498	-2.4627731826
##	1300	-0.3931791735	0.00	1.9916541471	-10.871216410	1.9767078817
##	1301	-3.8484264752	0.00	-1.4913755657	-4.784269792	-1.0468175400
##	1302	-4.0749448159	0.00	-0.6529762812	3.041812289	-1.6602180868
##	1303	-3.3574502199	0.01	-0.8884350354	-11.268986927	-2.0949142362
##	1304	3.1588289064	0.00	0.7689977054	-3.792743507	1.3244198403
##	1305	2.0120153578	0.01	0.1107377582	-16.489750368	-2.8036127322
##	1306	4.8843053072	0.00	0.4199784634	0.727809885	2.2542519727
##	1307	3.8155333453	0.00	-0.8142577472	11.679519491	-2.1782151446
##	1308	-1.6758096300	0.00	-1.0423134186	-0.556130079	1.6776777106
##	1309	-0.5115711437	0.00	-0.0637498482	-1.657950290	1.0597885740
##	1310	-0.8645670447	0.00	-2.2343906780	-6.524009004	1.7250939839
##	1311	-0.6457450467	0.00	0.2568537302	-5.095114806	1.1418511005
##	1312	-2.2425532869	0.00	1.9350990279	0.043663497	0.6394123903
##	1313	1.5998334064	0.01	-2.7551538684	-2.262913480	-1.7972486194
##	1314	-3.6334059911	-0.01	-0.5292129031	-1.663872688	-0.5630590951

##	1315	-1.8770517533	0.00	1.5477824692	-5.285406644	-2.7164031297
##	1316	-0.3429284572	0.00	-1.2582002874	-4.792442923	0.4051549443
##	1317	3.0533306435	0.01	-0.3872119707	2.999086807	-2.2917517797
##	1318	-3.0391513804	0.00	1.4940999827	-4.766002164	-1.0820691774
##	1319	2.0835019431	0.00	-1.9884125397	9.902014825	-0.1561986842
##	1320	4.5258683294	-0.01	1.1874288870	2.798878802	0.7325635107
##	1321	4.9634237760	0.01	1.1081907365	6.755078484	3.0236483536
##	1322	1.0418527537	-0.01	-0.2301682118	10.763149975	1.5297631340
##	1323	5.7483358003	0.02	-3.5140012891	-0.963016720	-0.7574779290
##	1324	0.1623043425	0.00	-1.3190399714	-11.779736262	0.5067075042
##	1325	2.2398617397	0.00	-2.9847534661	7.414730276	0.1679627097
##	1326	0.5520284952	0.01	1.9602117618	0.891423072	-0.8470503420
##	1327	-2.9567147842	0.01	1.7852188129	10.972545600	-0.5306152873
##	1328	-1.5694397500	0.00	-0.9440470639	4.787506300	1.8659717957
##	1329	-2.5323943077	-0.01	0.1787228056	-0.508610200	-2.3615870155
##	1330	0.6256458764	0.00	0.4250360517	-15.497753629	0.5519690244
##	1331	1.2338338812	0.00	-0.9640997978	-0.817787208	3.0748152327
##	1332	3.0922207326	0.00	-0.8897441603	1.839123349	1.0345752615
##	1333	0.2189909376	0.00	-0.1265224664	-3.985421416	-1.0663120818
##	1334	-1.3455793778	0.00	2.4214792361	8.618028199	0.3158167833
##	1335	4.5605229927	0.01	2.0584163386	-17.958908929	1.0960260422
##	1336	0.1519283686	-0.01	0.9638222795	5.818861379	0.1730754759
##	1337	-5.1616983885	0.00	-2.0449532540	1.729862635	0.4317143364
##	1338	1.3908092484	0.00	-0.0744926854	0.209860032	3.2074975373
##	1339	0.5050983627	-0.03	-0.9155171118	-10.561056747	2.3324487971
##	1340	0.3948007748	-0.01	-0.5808510154	8.856689488	-6.0383326482
##	1341	2.5653702624	-0.01	2.0553502434	3.501292945	4.8249774914
##	1342	-3.7793849415	0.01	-3.4374711082	-0.967402203	4.7072999356
##	1343	1.9270115485	-0.01	2.6730427092	-4.735082115	-4.2705983076
##	1344	3.2152535472	0.00	-4.2813404337	3.747187156	0.8276819370
##	1345	-0.1958356026	0.02	-2.1962786409	2.513758155	-1.7762757564
##	1346	-1.2887705316	0.00	-1.0394168680	2.186753120	3.0520083140
##	1347	-1.2460152659	0.00	1.6562749034	6.369633339	-1.8702728231
##	1348	4.6598128412	0.01	-1.5670177466	-4.740394464	-1.1519198225
##	1349	0.2113906539	0.02	-0.8463012705	5.092664209	-1.4942631618
##	1350	-4.5023462323	0.00	1.2490423334	16.277527837	1.3319083347
##	1351	4.3676466161	0.00	0.4893522644	17.115356768	0.5839926938
##	1352	0.6848587006	0.00	0.6085635641	-7.411664022	1.2481183568
##	1353	-4.3169520504	0.00	-0.5116777454	2.670264895	0.1340413701
##	1354	1.2623661447	-0.01	-2.0049635827	-6.781299499	3.0055915599
##	1355	0.4817031988	-0.01	3.0700340726	0.711679741	-1.8532241555
##	1356	0.9692722636	0.02	1.7183931106	6.855772870	2.6416005525
##	1357	5.2504581980	0.00	-0.9997565642	-2.996491850	-1.1029295710
##	1358	1.2821033930	-0.01	-2.0138370801	12.240561544	2.8547117088
##	1359	-1.2705712811	0.00	-0.3272265929	16.503105768	1.4769003094
##	1360	-2.1346496862	-0.01	0.4422197229	-8.742825145	-0.8921465848
##	1361	-1.6104928124	0.01	0.5229072720	2.409999868	1.0416761793
##	1362	0.7730483533	-0.01	-1.6059810365	-7.162764475	2.5881758632
##	1363	-1.3325102744	0.00	4.7378178521	-0.215676727	-1.0010564805
##	1364	-5.8041925878	0.01	-2.9766007510	3.818987521	5.6742864169
##	1365	-2.9433098048	0.00	3.4659503785	4.058164260	-0.5370279067
##	1366	-1.2163936756	0.00	-0.3599826161	-13.170890180	0.1583411720
##	1367	1.4262952947	0.01	-0.3061543792	6.381447252	-1.0102458150
##	1368	-0.3622530966	-0.01	-1.1638018240	-13.755123731	-0.5476072093

##	1369	-0.9062904147	-0.01	1.9683487624	8.501036419	-1.7193642408
##	1370	4.2968838984	0.01	0.9488958676	-10.053605970	-1.1833111135
##	1371	2.1408876308	0.01	-2.4236302627	-9.273232009	1.2581188329
##	1372	-0.5921656701	0.00	0.5216719146	-1.716504675	-2.4209332252
##	1373	-0.6260169487	0.00	0.4776272126	-2.591436825	-2.1300351979
##	1374	3.4105802074	-0.01	-2.8747146087	16.114716857	-0.4108942749
##	1375	-3.9400273424	0.00	-0.7032280331	3.495787971	2.9085863245
##	1376	3.1486421408	-0.01	0.2842761414	6.629966961	-4.7731058766
##	1377	2.3793819706	0.00	-1.1037831530	7.880293620	2.3366145662
##	1378	-2.3059334742	0.01	1.3157230878	2.311450158	-4.3964637290
##	1379	-0.9612588030	-0.01	-0.4379526346	3.889417845	-3.2003495472
##	1380	-3.7687699674	-0.01	1.3608288127	-10.041563904	4.4079326192
##	1381	-1.9793949343	0.01	-0.7085818992	3.807187417	-1.4617761299
##	1382	-1.5720332781	-0.01	2.6786037806	-5.814979252	-2.7533349182
##	1383	-1.2310949804	-0.02	0.8520629699	15.077682622	1.8637111869
##	1384	1.2634648260	-0.01	2.0810968336	-14.850661650	0.7070054463
##	1385	3.5086079707	0.01	1.0237063114	0.812924311	0.5900596690
##	1386	3.2886882639	0.00	3.1061991202	-5.971719803	-0.2125999353
##	1387	2.1028497837	0.01	2.7501656886	3.293052840	-3.2089877979
##	1388	4.5880294343	0.01	0.3262841729	-2.478298837	-1.4623979992
##	1389	0.3157296499	0.01	1.2752843097	4.965046465	2.2228286307
##	1390	1.4195313865	0.00	1.7737789766	2.094435461	-1.8847241920
##	1391	-4.3976337643	0.00	-2.5418167686	-0.281049347	3.9181478819
##	1392	0.0734084098	0.01	0.0932122378	-2.343574637	-0.8502912239
##	1393	1.8469063509	0.01	1.9027446940	-4.262116791	-2.6071810475
##	1394	-2.3609185594	0.00	-0.8316160196	-10.791800997	-3.3070461484
##	1395	-2.2693768959	-0.01	-2.3347823717	13.346009647	-3.1254530255
##	1396	3.4090476184	0.01	5.1393747342	0.675769482	-0.0059286007
##	1397	0.8346103651	0.00	0.6910522333	-12.153485520	-3.9844693451
##	1398	1.9518401276	0.00	-0.3234965236	7.800275212	-1.3379728313
##	1399	-4.6425648403	0.00	1.9002218949	1.033268975	-2.0941037948
##	1400	0.0577662293	0.01	0.6809287588	-2.685357519	-1.0798610314
##	1401	-0.5989449257	-0.01	1.7791245565	2.397050287	0.4744994544
##	1402	4.7688202855	0.00	0.1718741114	2.456890640	-2.4649017768
##	1403	1.8338665668	0.00	1.6386442166	14.130210098	0.2812388695
##	1404	-4.0607152363	-0.02	-0.4054363403	11.454984706	-1.3887443558
##	1405	4.9840765822	-0.01	2.7713767435	-0.059748315	0.5789298529
##	1406	-3.9364390392	0.00	-0.8754342317	-10.808095283	4.7359225942
##	1407	0.6019996650	-0.01	1.8542407294	-0.151088616	1.2804866219
##	1408	-6.7902885321	0.00	-0.2577794323	-1.536446134	-2.1412223573
##	1409	4.8106472789	0.00	-0.9095560942	13.292602551	-0.0870013856
##	1410	0.8397332723	-0.01	2.7982995225	-4.578067565	-2.1893391785
##	1411	-0.9959961492	-0.02	-0.5607704301	-22.455888677	0.4805611369
##	1412	2.0524343432	0.00	0.8710047536	1.456951595	-0.4561793466
##	1413	-2.7495201098	0.00	-0.4009531525	-2.787803432	-3.3238031578
##	1414	4.6185364590	-0.02	0.8554957100	10.653882181	-0.9105715279
##	1415	1.6796903938	0.01	0.6302199639	7.401121692	-3.3350917807
##	1416	-1.8310603293	-0.01	0.1420067505	-9.502938803	-1.5481296374
##	1417	1.2200877932	0.00	-0.4792647036	0.917408782	0.6759856508
##	1418	1.4474730705	0.00	0.6955072576	-5.875364293	-1.0791472767
##	1419	-1.1844662671	0.00	-2.8793739858	-8.022581259	-2.5502086037
##	1420	2.7407862041	-0.01	-0.3545437362	2.645089052	1.4018770474
##	1421	0.0002586247	0.01	-2.4477811624	-5.363124786	1.2063437410
##	1422	0.4978729168	-0.03	-0.8603971315	-4.786126603	-3.6197202323

## 1423	3.9248607303	0.01	-2.4208571632	5.944802420	-0.4344394886
## 1424	-2.4733596180	-0.01	-0.2925148000	8.396535952	-0.5066459342
## 1425	-0.8615821093	-0.01	0.5997154002	6.232835786	2.6225574535
## 1426	-2.5110224221	0.00	-0.4404396279	4.740028502	-4.4247394083
## 1427	1.2703082152	0.03	1.3591776340	12.155081328	0.2256964381
## 1428	0.4093845556	0.00	0.2454253110	1.919656062	1.8348072817
## 1429	-4.7635165772	0.00	2.0661578799	-5.035730718	-1.8802205646
## 1430	-1.1843094892	-0.01	-1.1637368330	-22.528587947	1.1976155983
## 1431	-2.5273450105	0.01	-1.2424420540	-0.820832510	-2.6660743861
## 1432	2.0415871430	0.03	-1.5707304296	-8.188892533	0.8596133157
## 1433	1.6830961337	-0.02	-1.5852323205	6.340691628	-0.5968782063
## 1434	-0.0890302452	0.00	0.9776497276	-5.027208187	0.8153292948
## 1435	0.0059160922	0.00	-1.3459335944	10.732043647	1.0210721366
## 1436	1.5817847333	0.00	0.6606077777	-0.457980312	-1.0169696655
## 1437	-5.6972335659	0.01	2.7415537043	-2.925391247	2.6638477895
## 1438	-1.4918040472	0.00	-2.7472276229	3.870345565	-0.9746120754
## 1439	-0.0824868545	0.01	-1.5709975630	2.952094410	1.6636190654
## 1440	2.0328316818	0.02	-0.6878163761	0.411286824	3.9475680924
## 1441	2.1065783102	-0.01	0.5834724527	7.490027402	-2.7180749375
## 1442	-1.0477249677	0.01	-1.0628952979	2.880845590	-1.4599544657
## 1443	-0.8349415069	-0.01	2.2059219324	-1.275199355	-1.9861753332
## 1444	2.4915473190	0.00	0.0160591536	-9.357176449	1.1911784738
## 1445	1.0018555182	0.01	1.0098909836	-14.298019244	-1.0306295235
## 1446	5.0610048022	0.00	0.3801279873	-2.343294104	-3.6732202494
## 1447	4.0722119799	0.00	1.7252017719	-0.867128142	1.7603251203
## 1448	-2.0095026573	0.00	-1.2754007030	6.449735412	2.0250803143
## 1449	4.2979987788	0.00	2.3635341020	-8.471671613	3.2322574605
## 1450	-0.1815450624	0.01	-2.0852072602	4.711914047	2.4159232860
## 1451	-0.0924089998	0.01	1.1216476135	-3.388272455	1.4418208856
## 1452	-1.2833971932	0.00	0.3177187954	4.657634545	-0.6421683394
## 1453	0.2491628773	0.00	-2.3377802553	2.501219732	-4.6758706075
## 1454	-1.8872369296	0.01	1.4433519204	-4.562533699	-0.7232139913
## 1455	0.5682238523	0.01	-0.0269203732	0.988218983	2.3395496641
## 1456	0.4671052125	-0.01	-3.4439399052	8.394922148	-0.5459545639
## 1457	1.8044723423	0.00	2.4427036241	-0.130723272	-0.6886087891
## 1458	2.3791826928	-0.02	-3.2431451351	5.995794374	-1.4152120193
## 1459	-1.8353411464	-0.01	-3.2189937508	12.190675243	1.7364766323
## 1460	-5.3625956846	0.00	1.2473638708	8.910438627	-1.4195638819
## 1461	-0.0394405850	0.00	1.4943780896	-9.205019343	3.7421299734
## 1462	1.8356665632	0.01	0.1020036746	-4.514049006	1.3445690614
## 1463	-1.0206109650	0.00	-1.2236036146	-3.240343920	-0.0886157996
## 1464	-3.1256468871	0.00	0.8264760705	-9.432051870	-3.3593763939
## 1465	-3.7110795863	-0.02	-0.0417678396	-6.285842838	0.5740002414
## 1466	-2.4874657239	-0.03	-0.6624361217	6.176083887	0.4919206415
## 1467	-0.3333920060	0.00	-1.6375325997	6.672648155	-0.5422736323
## 1468	-1.1587005039	0.01	0.4126870164	12.218894900	-1.7778567889
## 1469	-5.2110570615	-0.01	0.2211903663	0.147400570	1.2960866041
## 1470	0.9607837666	0.00	-0.6054697481	2.002211626	2.5860282874
## 1471	-2.1341625028	0.00	0.3281939428	-8.763485876	1.5324512011
## 1472	4.5588925546	-0.01	1.4579536589	5.603396380	-3.3832348889
## 1473	-0.2092907827	0.00	0.3045826960	-0.007686898	0.1661334506
## 1474	0.7546232699	-0.01	-1.4432207892	8.797418689	2.8280584853
## 1475	-0.6177064383	0.00	0.9827192216	6.628713379	-1.5475705058
## 1476	2.4876072539	0.02	0.2220289983	8.420058034	3.5222128165

##	1477	3.3067930430	-0.02	0.6082704947	-1.587197286	0.9475925553
##	1478	-6.3989638116	0.01	-1.7246057550	5.165141604	1.2344223616
##	1479	0.3464411906	-0.01	3.6873254873	-2.265023934	3.0408924032
##	1480	4.8220918442	-0.01	-0.7190953213	11.359112412	-4.6086124320
##	1481	1.5490079370	-0.01	-3.2031831166	-7.315145052	3.7517804798
##	1482	-0.5741646587	0.01	-0.0992188601	-2.814501788	0.7805573497
##	1483	3.2342843839	0.01	0.1559033517	14.176467720	5.3085351407
##	1484	0.2065526544	-0.01	1.7408745862	-13.484968480	2.1211459633
##	1485	1.3572084723	-0.01	-0.9631918311	0.558531551	3.7574871919
##	1486	-0.4582886904	0.01	0.8638309776	-7.108739389	0.7371493050
##	1487	-0.5021933498	0.01	1.5231186620	0.991584572	0.8401352268
##	1488	0.7448052082	0.00	-0.5378766757	11.274103086	-2.0723771639
##	1489	-0.1427645249	0.00	1.8083515704	-2.483015362	-0.9498565858
##	1490	-0.8021556208	0.00	0.3078253585	-0.293808404	-5.5081358306
##	1491	-0.8681482629	0.00	0.5823685813	0.374699484	3.0703776115
##	1492	-3.1554540846	0.01	-1.9765799468	-1.237572168	-1.1243838776
##	1493	1.4883846479	0.01	2.6627667800	9.670373802	2.3647185757
##	1494	3.2095866275	-0.01	2.6554127366	-0.453601129	2.9321078422
##	1495	-6.0223947356	-0.02	2.2692760229	11.916675980	4.6622570647
##	1496	0.0817843082	0.02	-0.5723568137	19.658063688	-3.3002756771
##	1497	3.9922584671	-0.01	-2.3218856972	-2.790685946	-0.6834235206
##	1498	-2.8421883777	0.00	1.2880580627	-4.264140838	1.2344156675
##	1499	1.2377609862	0.00	-0.2423030941	-4.960042959	-1.2961354514
##	1500	0.9088346031	0.01	-1.3281686182	4.126503432	4.8250471244
##	1501	-3.6959626058	0.01	0.0001347914	20.980072080	3.8580401631
##	1502	0.8451796882	0.00	0.1808228705	6.466963965	1.4448391962
##	1503	-3.4354371885	0.01	1.1796552685	4.984033531	0.6476554980
##	1504	1.1158439611	0.00	0.8740734604	-3.000040659	1.0636390454
##	1505	3.1600409357	-0.03	-1.2184993553	0.579404351	-0.2671457611
##	1506	2.2514107453	0.02	3.8694221201	1.426130009	-0.8709772515
##	1507	0.8628188228	0.00	0.3103532064	-21.251728991	-3.4426363084
##	1508	-0.6464062224	0.01	0.2803332831	11.316660168	-1.7756841903
##	1509	3.6937577030	0.00	-4.1935314160	3.586101270	-2.1714107440
##	1510	3.3456744521	0.02	0.8808410423	-5.902859736	1.3173797159
##	1511	1.0152791852	0.01	0.3244664113	5.477644607	1.9177362572
##	1512	1.3645073187	0.00	-0.3364831233	-27.907694683	0.0244112173
##	1513	3.7410521024	0.01	-0.4960493248	-6.034534850	-3.6971034873
##	1514	-4.2344107852	0.02	-0.3049206209	-2.726402766	0.5467473044
##	1515	-3.9900169642	0.00	-2.9073919577	11.655196332	0.0583035066
##	1516	-0.7599047139	0.00	0.1529732139	-12.567496594	-2.2456109118
##	1517	1.3554888745	0.00	-3.0435339983	10.341008052	2.4958372757
##	1518	-1.4926839245	0.01	-1.0262041259	17.592693394	-2.6975457324
##	1519	3.2467712402	0.00	-3.6637032749	1.062067354	-3.4889877881
##	1520	0.3030299852	0.01	-2.6839128591	-18.986233270	-0.9883059165
##	1521	0.9665291906	-0.01	-1.0966167007	-11.122476866	-0.4126961226
##	1522	-6.4308984310	-0.01	0.7177409034	20.978878930	2.1055179886
##	1523	2.6314277754	0.00	-0.2497468777	6.688227610	-0.1962752771
##	1524	-0.7109756796	-0.01	-0.3268167725	-4.387675670	1.2010411683
##	1525	-0.7604940498	-0.01	3.0343213440	-11.279060305	1.4049229395
##	1526	-2.0322447248	0.00	-2.6018053005	12.322025478	0.2505892852
##	1527	0.2243655624	0.01	-1.5507493998	-1.092572199	0.0097555132
##	1528	-0.9430467669	0.01	0.6301568756	1.046574294	0.5223353781
##	1529	0.9091414959	0.00	-0.2416393455	6.384053550	0.0695396990
##	1530	4.4671288404	0.01	2.2853823549	-0.855761009	-0.9845546441

## 1531	-2.3579807193	-0.01	0.4495576203	-8.582800998	-1.3962681082
## 1532	4.4501033340	0.00	-1.6466952549	-7.616793940	-3.1687807639
## 1533	2.6461902102	-0.01	-1.4643043665	2.686337319	-0.4221573505
## 1534	2.1111527148	-0.01	1.1589145633	14.579909770	0.5764732612
## 1535	-3.7343688957	0.00	-2.8952575709	5.807841812	-1.1008406958
## 1536	-0.0540603547	0.02	0.3292975553	-3.635862541	0.8724341338
## 1537	1.2880590999	0.01	0.0160595431	1.350458630	-0.5770424359
## 1538	-5.3243804931	0.00	0.8188613241	-3.112758133	1.9031480570
## 1539	0.6437101617	0.01	0.1029675425	-2.951598949	-0.8982636509
## 1540	4.8561945441	0.00	0.1915868189	7.459621075	-2.7165252725
## 1541	2.5568860768	-0.01	2.7406564254	-0.204881972	2.2401658470
## 1542	-0.1448282062	-0.01	0.1236351362	-5.022303317	-2.6704036591
## 1543	1.4697510199	-0.02	-0.5049692163	-4.389755939	-1.2910953400
## 1544	3.0915310458	0.01	1.0212302304	-7.067954353	-0.8107730357
## 1545	-1.7895991824	0.01	2.1161469404	6.188764355	-6.7599272963
## 1546	2.9523084899	0.00	2.9401422266	-10.005600981	2.4937897923
## 1547	-0.2305688453	-0.01	2.4030580464	16.979585098	0.4885870193
## 1548	2.7050160090	0.00	2.9764741049	-4.554051419	0.5106909536
## 1549	2.5001594204	0.00	-0.9360794847	-20.104568500	-1.4319248926
## 1550	1.0870754608	-0.01	-2.2563987289	-1.517813044	-2.2390588190
## 1551	-1.9971819522	0.01	-3.3616144839	-8.492660392	0.0860429357
## 1552	1.2354581616	0.01	-0.0163266342	-0.087250647	-4.0338946898
## 1553	4.2652311323	0.00	1.6280640760	-6.077435596	-0.9507499878
## 1554	1.1990389528	0.01	0.7856565847	-6.306785018	-0.2413872137
## 1555	0.1673866161	0.01	2.9690920019	-4.280442823	0.8984633621
## 1556	2.1802023075	0.00	-0.6343303914	7.657163481	-0.2184336337
## 1557	2.8551105867	0.01	-1.2087766533	-2.278013899	1.2945208541
## 1558	1.9014536960	0.01	2.4881919151	0.442499859	-3.3337620861
## 1559	5.3370466959	0.00	-0.2852338437	-5.735725363	-0.9838958932
## 1560	0.0596866274	0.01	0.8550290399	-4.295630090	1.9548076437
## 1561	-0.7755689876	0.02	0.1912267154	-5.796172924	-3.5212162812
## 1562	1.2295118981	0.01	3.3186829788	-7.214058986	0.4330954161
## 1563	-3.2562353424	0.02	0.6184653816	-8.899747770	1.6879604315
## 1564	1.7208048932	-0.01	-1.6776670998	-2.511140145	-2.8649383361
## 1565	-3.5024912410	0.00	-3.3414071305	-0.162127793	-0.1345023112
## 1566	-0.6260642306	0.02	1.1663738730	9.469045502	1.5018905981
## 1567	1.2017424231	0.01	-1.1146450992	0.805145086	0.1942919083
## 1568	-2.2760803354	-0.01	-1.9002672009	4.493696021	0.5070327318
## 1569	3.1301310115	-0.02	0.2985440969	2.582619519	-3.7103493874
## 1570	-2.4706381736	-0.01	-1.5305854125	-12.585970983	-1.0130406229
## 1571	1.9676120679	-0.01	0.8096788605	-10.277232084	1.6864102352
## 1572	1.0415284037	0.01	-2.4293451913	0.809171135	0.2779214137
## 1573	4.5934831544	0.00	-1.5258495691	-9.183941640	-4.6627275247
## 1574	-0.2971526643	0.00	-1.1933776425	3.634624382	1.0456901718
## 1575	0.7440613577	0.00	-0.1684715204	-18.188497865	-3.9388989899
## 1576	3.2857658201	-0.02	-0.3919067023	-1.930599781	-6.1726276404
## 1577	-1.8974902888	0.00	0.5381233972	0.964661228	0.9769264618
## 1578	-0.9977838927	0.00	-1.7447661259	0.516934663	0.4791586186
## 1579	-0.3479254735	0.00	-2.0974236480	3.340699721	-1.9150528415
## 1580	4.5096504699	0.00	-1.8245282833	6.163583434	-1.2453646824
## 1581	2.6287449878	0.01	1.6893197454	-1.366828080	2.0599020435
## 1582	2.6809385769	0.00	1.2007876507	-10.089847813	-2.4968890230
## 1583	1.5420942030	0.00	-1.3365043571	9.675723584	-4.5355715153
## 1584	-5.2865144813	-0.01	-2.0273852939	-2.875034212	0.9596731685

##	1585	-0.6526531265	0.01	0.1558147189	4.526955383	-0.6140520315
##	1586	3.5182935463	0.00	-2.8060253893	-9.379985572	-1.2372335930
##	1587	-2.5029173839	-0.01	-1.5229670423	-8.427341773	4.1731046749
##	1588	-0.9238927152	0.02	1.9752217014	-3.958880087	-0.5568782823
##	1589	2.1527446077	0.01	-0.4794870233	10.657036191	-0.1589378242
##	1590	0.0368911484	0.01	0.7326709902	-0.787590391	0.2372789510
##	1591	-2.3930921064	-0.01	1.6895160368	14.780614703	2.7738980866
##	1592	2.4880788262	-0.03	-3.3063560986	8.339781434	-0.4628151625
##	1593	0.1532197402	-0.01	-0.1171219617	-3.117031320	0.3222580751
##	1594	-2.2042096920	0.01	2.1382140277	-7.977836870	-0.6915095427
##	1595	-1.4119102393	0.00	-1.1355439282	-13.746803252	-0.0801037610
##	1596	-5.0952999070	0.01	0.2646353870	-7.313797403	-3.1391805336
##	1597	1.5704615353	0.00	5.5753013148	0.405730759	-2.5856791966
##	1598	-0.9569008141	0.01	-2.2050569747	3.691793137	-2.8619433712
##	1599	5.2987783288	0.01	-0.6048417070	-5.009319493	-0.7867797471
##	1600	0.6245932671	-0.01	1.8486934330	-11.439803889	-0.3588236521
##	1601	4.0981631775	0.01	0.3575855865	7.453883762	-2.2692535691
##	1602	-0.6585983878	0.00	2.4983503486	2.107338819	0.6034656097
##	1603	0.5537751391	-0.01	-1.1090693256	2.159623184	3.2991592557
##	1604	1.0625124430	0.00	-0.1445898085	-3.912911884	1.2671675472
##	1605	0.3683850094	-0.02	-1.8095599340	-1.424300571	-1.4405379870
##	1606	4.1423624658	0.01	2.6602101756	15.210011470	0.5685445685
##	1607	-1.4619632064	0.02	-3.0240143495	-8.946244116	0.0992583971
##	1608	-1.6817445246	-0.02	-0.1500038418	-10.883739927	-3.3399264067
##	1609	-4.4073907793	-0.02	-0.2790911028	4.417460235	3.3288075789
##	1610	0.4966649908	0.00	-2.8962754333	-6.219255135	2.5052302931
##	1611	1.6613668325	0.00	0.9691461821	1.791659180	-2.1598935386
##	1612	-2.4870891658	-0.01	-0.4409132708	-14.576495759	-1.5262896868
##	1613	-0.0449025586	0.00	-0.7963844157	3.084437326	1.5655784799
##	1614	0.4019137676	0.00	-2.7084461583	2.876471726	0.8656886067
##	1615	2.7069982985	0.02	-2.5461232441	-18.619382398	2.4895373516
##	1616	-0.9211402200	0.00	-0.0697830600	-5.141560808	1.6314391476
##	1617	0.5579006839	-0.01	-1.6910946309	3.509069311	1.1564351524
##	1618	2.3852705891	0.01	1.3856076026	9.929297645	2.0373374913
##	1619	0.3933805142	0.00	-0.0975617077	-12.913178863	1.3597234345
##	1620	-0.6936638696	0.00	-0.5563827200	6.301043971	0.6753014136
##	1621	2.8246844417	-0.01	-1.2042253800	-12.917677279	5.2524361236
##	1622	-3.2887089853	0.00	1.0980879601	4.108162026	1.0083378555
##	1623	-1.1122251854	0.00	-0.3464663448	-13.390002095	-0.1827952831
##	1624	-1.6298999774	0.00	-3.0753496786	3.829691620	0.2805097259
##	1625	-4.3609268011	0.00	-2.3293117441	3.780487841	-4.5066043084
##	1626	3.8446318809	-0.01	-0.4452383848	14.392052773	-0.0749253401
##	1627	-5.6658548194	0.00	0.0368583212	4.286507535	-1.1795722680
##	1628	4.3280244144	0.01	-1.9993099010	-5.055389222	-1.7652862612
##	1629	-0.7119801629	-0.01	0.4370086816	-2.466011622	3.4030796962
##	1630	0.6715558829	0.00	3.3216307271	-1.674494136	1.3535290675
##	1631	-6.1104106175	-0.02	0.8955463803	5.110790312	-2.3086705828
##	1632	-3.4834933089	0.02	1.5847795241	5.445518747	2.1901990574
##	1633	-0.8382046060	-0.03	-0.8331620513	-2.225873229	0.1482898187
##	1634	3.3626012074	0.00	1.6003880280	6.619956926	1.3326494741
##	1635	-0.3483496601	0.00	-0.2379141978	16.245763370	0.0162794555
##	1636	4.5209944333	-0.01	2.4243159141	0.177640787	-3.0237674024
##	1637	-1.4581527683	-0.01	-0.2869279292	-13.997177142	-0.5812682136
##	1638	1.3236646228	0.00	-3.6490122728	-9.566004750	2.0333368426

##	1639	-3.9312822924	0.03	-0.8817012327	-1.136271127	0.5031558240
##	1640	-0.0467233826	0.00	0.0480046783	5.881131294	0.4690720414
##	1641	1.1458172595	0.00	-0.1504969526	-9.441766922	1.4495420661
##	1642	-1.4801749767	-0.01	0.3168843968	15.281227847	2.8318334867
##	1643	-0.8593261823	-0.02	-1.0915956575	0.998386076	1.3297384029
##	1644	3.5547565975	-0.01	2.4763333417	5.410166984	3.5725566960
##	1645	-0.5983997507	-0.01	0.6278886647	-12.061966426	2.0011098164
##	1646	1.0029436353	0.00	0.6228568854	-6.115195337	-0.0243848088
##	1647	0.6240496426	0.01	0.9039277150	-5.778460952	-1.8256340973
##	1648	-3.9813900841	0.00	-2.9366617104	21.592993007	-3.6382935392
##	1649	0.0631036350	0.02	-1.7493028206	-8.252453809	-3.4642537821
##	1650	1.3138839477	0.02	2.4234096435	-1.174295885	-4.9138010776
##	1651	-2.5742821106	0.00	0.4028976091	-4.449969243	-3.6347092621
##	1652	0.6476714386	0.00	2.8094072031	7.653077303	0.5293431810
##	1653	1.4686519963	-0.01	3.9214971649	-10.795968034	2.8991930401
##	1654	1.7523012763	-0.01	0.5675317044	6.306301976	0.5507233727
##	1655	-1.2279931100	0.01	2.0049252654	3.161669747	-1.2391211036
##	1656	-2.3640666223	0.01	0.9403404286	-3.480057631	2.6886329037
##	1657	-2.3158732028	0.00	2.2923821344	2.701565109	2.7393304224
##	1658	-0.8608631750	-0.01	-0.1077334002	5.253811469	1.9940032622
##	1659	-3.0716934872	0.00	-0.4228436272	-0.480631297	0.2416866296
##	1660	4.9271004748	0.00	-1.0175614373	2.955646061	-2.7331019865
##	1661	0.6384306336	0.01	-0.5521893390	-2.704063422	0.4216578571
##	1662	-1.4820456701	0.00	3.4581330441	2.457465388	-0.6202198837
##	1663	6.1549590469	0.01	0.4939356780	-3.752612755	-2.3804165496
##	1664	2.2894396721	0.01	0.7864117299	10.990847354	1.7015600672
##	1665	4.0280234423	0.00	2.1629552232	-2.499064973	3.7007606237
##	1666	1.0034746419	0.01	2.1206414690	7.530249737	-3.7727540215
##	1667	-3.2322124003	0.00	-0.7345682618	-5.295885959	2.3350182359
##	1668	-0.4492357613	0.01	0.5656794078	1.587730987	-1.2003441277
##	1669	0.3322084979	0.01	-1.3308938784	2.236332386	0.3078814730
##	1670	1.1399098261	0.02	-1.5304728977	3.527780154	-2.4357810274
##	1671	2.1254043194	-0.01	1.0255437085	8.417026305	-2.5407490802
##	1672	-0.9010900706	0.00	-2.4067059455	-1.050999386	0.1248370067
##	1673	2.1946142087	-0.01	2.3217356522	0.982816190	0.8290211091
##	1674	-1.5451310103	-0.01	-1.3822077368	-2.363587257	5.9949166126
##	1675	-0.0647305884	-0.01	0.2266510660	-0.093244296	-1.2692664645
##	1676	-3.0088896148	-0.03	1.0073867977	1.913305342	-4.3203166334
##	1677	3.0428593019	0.01	2.7366834594	6.848234359	-0.5809254886
##	1678	0.3058437243	-0.01	-1.4192312117	-2.355111814	-3.4763921326
##	1679	-3.6519910075	-0.01	-0.0167864441	-11.943170117	0.5900430991
##	1680	0.9729004404	-0.01	-1.3746917375	12.903275972	-2.4216574739
##	1681	-1.2645406285	0.02	2.1659584338	-5.640354366	3.1822368068
##	1682	4.1097928184	0.00	-0.9605993276	14.250416949	-1.7810904584
##	1683	-0.0527101029	-0.02	1.1170613398	-14.598092493	0.0871193479
##	1684	-6.7521024658	0.01	-0.7191858361	-11.936281952	-2.7231140279
##	1685	-0.2362326211	-0.02	-2.2301069229	5.431184222	1.7715032315
##	1686	-1.2104518348	0.00	-4.6361135200	-9.343412736	0.0003235613
##	1687	-2.0282115604	0.01	-0.1883769500	-4.886581057	1.5195679919
##	1688	-1.8319164870	-0.01	2.8261217372	-3.290692106	1.5484054414
##	1689	3.8505727229	0.01	-0.4884496851	1.794544675	-0.0373929553
##	1690	-1.7435254980	0.00	-1.3442037208	9.144678892	2.8474965574
##	1691	-0.4964827984	-0.01	0.6243782261	2.902136535	-1.4118738704
##	1692	-1.0835534076	0.00	1.3453217010	-10.144653000	-1.0299573534

##	1693	3.5965385912	0.01	-2.7519491241	10.035367009	-2.7654311725
##	1694	4.1997253577	-0.01	-1.2736077578	0.852179517	2.0683095009
##	1695	0.2594181090	-0.01	-0.7541521930	0.735649639	1.1533723020
##	1696	-5.1646446104	0.00	1.0451434856	-7.636499974	-0.3205278883
##	1697	-5.6584719380	-0.01	0.7758383823	4.571613096	3.1960111604
##	1698	0.4957287134	0.00	2.9317436130	0.580151193	-0.9275997124
##	1699	2.8275280073	-0.01	2.4068743535	9.867785977	0.1035412652
##	1700	1.4326989698	0.02	-0.6055755056	4.919523517	3.3197984838
##	1701	3.2521958383	0.00	-1.0294473443	-19.330038356	0.0098435000
##	1702	0.2710080548	0.01	-2.7337039336	-12.952913976	1.2615054063
##	1703	-1.7014441701	0.01	1.6806661493	1.405636058	0.5030677726
##	1704	-1.4473734356	0.00	0.7380111893	3.391176326	0.8211852364
##	1705	2.2335581286	0.00	1.3723503519	5.945766241	-0.7191080412
##	1706	1.5585675313	0.01	-2.3008286060	-0.049284310	1.3129324806
##	1707	1.2496186273	0.01	-1.0205570751	-2.353411818	-0.0780212066
##	1708	2.3199088817	0.00	1.3236770956	-4.796395769	2.4558962332
##	1709	1.1453481438	0.00	1.5640074051	-9.508697628	-2.9257907955
##	1710	1.8431105816	0.01	-1.5539942727	-5.413275706	-1.3312551703
##	1711	4.6374185442	-0.01	2.3689643653	15.336777203	2.8148468907
##	1712	-1.4393127202	-0.01	-0.4652648436	-4.805311754	-1.4680287358
##	1713	-0.9963297583	0.00	1.1755794964	-2.596173749	-6.4410811900
##	1714	0.7841318995	0.01	1.9716612806	6.534921094	1.9736599198
##	1715	-1.8842549554	-0.01	1.2361113049	4.561671017	-0.0678247286
##	1716	3.9600516117	0.00	0.6437581019	-6.793076365	1.4212938279
##	1717	-0.1693936265	-0.01	1.6515088246	15.042771520	-1.8559355231
##	1718	-0.9666643701	0.00	-2.2497128226	7.926202628	1.8310182186
##	1719	2.0756198181	0.00	-1.5311552223	-1.024709904	-2.0342108065
##	1720	3.8280938731	-0.01	1.5049310191	-6.424939877	1.4016057055
##	1721	-0.4962900074	-0.01	-0.5660731849	-7.733441393	4.1542142759
##	1722	-1.5011451076	-0.01	0.2902195730	4.190176528	3.6007199512
##	1723	1.7166379641	-0.01	-1.3194718345	-11.261164882	-0.3332458992
##	1724	1.0769267046	0.01	-1.8983391858	5.103474549	-0.3734126957
##	1725	-2.9899473591	-0.02	0.0710296724	15.889500219	-3.5504945357
##	1726	6.4246760213	0.01	2.7146383728	7.757339146	-1.4566938953
##	1727	-4.1979560576	0.00	1.9350666685	-5.244588226	-3.0738409003
##	1728	4.3627557712	-0.01	0.3405831217	-1.765188366	-2.3922469132
##	1729	3.3967606039	0.01	-2.2520182409	3.900614831	-2.3080386679
##	1730	-0.3903504206	0.00	-1.4320241263	14.845908347	-1.5513366593
##	1731	2.3665328956	-0.01	-0.3465974820	-1.056810211	-0.0590890111
##	1732	-2.6375775318	-0.01	-0.0982752532	7.247596419	-0.7866469545
##	1733	-0.6499064533	0.00	-1.3469836403	8.243367041	1.0730536015
##	1734	1.1057049602	-0.01	-0.7369412216	5.889865510	-1.4493322705
##	1735	2.9460191829	-0.02	-0.5299014635	13.495515475	-2.0266695954
##	1736	0.4097727407	0.00	1.3737076871	-4.635349784	-2.5310338081
##	1737	1.1006233737	0.01	-1.4175128780	11.618224066	-4.6145681535
##	1738	-1.7728575773	0.01	0.0792412997	-2.553044063	-3.4696504186
##	1739	1.1702774317	-0.01	-1.9488605063	-5.587273064	-1.8469730928
##	1740	1.4315779142	0.00	1.6507839827	13.090813641	-1.7139963676
##	1741	-3.0245136320	0.00	-0.0367198864	5.390135811	2.2340204010
##	1742	2.7565590339	0.01	1.7529852237	8.547830915	0.6341217813
##	1743	3.1218631300	0.01	-3.3184811422	-9.818451286	0.7037657117
##	1744	-3.1803785481	-0.03	-0.2996497819	5.254201566	1.7070426778
##	1745	3.4339356879	-0.01	-1.0308177896	1.613801597	-4.1042811059
##	1746	-3.5939157345	-0.01	1.6685513960	-0.885273762	0.8814710963

## 1747	3.0591198695	0.00	1.7486311253	14.671022262	-2.9941459311
## 1748	2.9140530298	0.00	1.3988228899	-1.890381993	-0.0833234314
## 1749	-3.4753946823	0.00	-3.8029660303	-3.638865534	1.7996057548
## 1750	-1.2920867367	0.01	-1.5891011663	10.766032278	-3.9462892722
## 1751	6.7371031406	0.00	-5.1411876471	5.477653556	-1.8066059355
## 1752	0.5287074795	0.00	-2.4424471684	1.520129443	-2.5953144551
## 1753	4.1806305578	-0.01	1.3732951546	6.128316199	1.1914571076
## 1754	-5.3342118915	0.00	1.2922013081	6.813347183	-0.5741842535
## 1755	2.4826019466	0.00	-2.0053090190	11.324506850	1.2740738423
## 1756	1.8130103891	0.01	1.2619674240	7.254802198	4.6266221718
## 1757	0.9026867198	0.01	-2.6363528778	-7.689203174	1.2437564182
## 1758	2.7023310408	-0.02	-2.2621150104	-5.422149446	2.5835403961
## 1759	1.5496225997	0.02	0.1230803506	-3.787448140	2.2335049443
## 1760	-2.5187100034	0.00	0.3835118556	-5.550540649	-1.3688076990
## 1761	-1.9614078673	0.01	1.8612651037	7.832856883	1.6761817823
## 1762	-2.9173527274	0.03	-0.9712850913	-1.338390324	0.8636661161
## 1763	-2.4474670140	0.00	0.4693561510	0.068017743	-3.0388804825
## 1764	1.0811079443	0.00	0.3629887687	-1.805324249	0.1183535206
## 1765	-5.0821418743	0.01	0.0320030688	13.220451650	-0.4105138110
## 1766	0.8923582084	0.00	-1.1897923800	-3.477613778	2.9658634765
## 1767	6.7776964817	0.00	3.4261998226	-0.625879264	-3.5722459130
## 1768	-2.0015932333	0.00	-1.9361211482	-0.585749938	-2.1157811099
## 1769	2.6929973864	0.01	2.2528317203	-4.367338317	-0.0984347723
## 1770	3.2784296637	0.00	1.9493948506	-3.797403101	3.1652879736
## 1771	-0.5766557348	0.01	1.1603053141	-9.178375944	3.6015130064
## 1772	0.5913393216	0.00	-0.9035166891	8.116842159	-0.0005564402
## 1773	2.3128187243	-0.01	0.8778684646	-7.273393303	-0.5223528253
## 1774	-2.5215452163	0.01	0.8162147676	-13.658191764	1.4120273506
## 1775	2.2251291107	0.02	0.4879012604	-1.396935460	0.2135327506
## 1776	-4.2547932402	0.01	-0.6734472658	-6.879571374	4.4566056072
## 1777	1.1535879860	-0.01	-0.6231296448	-14.708944686	0.1452754339
## 1778	2.7260607800	0.01	-1.5931281653	5.241366192	-0.4575165492
## 1779	-1.6676166104	-0.01	3.7716206304	8.163637712	-2.6323610845
## 1780	-1.9911970226	0.00	-1.4990438619	0.118356034	-0.3186389664
## 1781	-1.7803538188	0.00	-0.3643689242	-6.956263269	1.9660360030
## 1782	-1.0254102322	0.00	-2.1640584743	4.517784635	-3.3453913201
## 1783	1.0693648515	0.00	0.8558484210	12.454352864	3.2147289205
## 1784	0.2491554939	-0.01	-2.3230734671	-0.065640038	6.7500799157
## 1785	-1.2051357904	0.01	-1.2653649425	2.925977233	1.2840295876
## 1786	-1.0702399095	0.00	-2.2839751441	-19.928404844	-1.1913035653
## 1787	1.7224570892	0.01	-1.6174289861	-10.245233694	1.7223793927
## 1788	-1.0338267779	0.01	-0.2088215046	-1.457900807	2.4891331510
## 1789	1.2691155561	-0.01	-0.1376840687	-8.521134426	-5.1616952906
## 1790	2.6620664108	0.00	-0.1132515839	7.588961686	-1.5533984421
## 1791	0.3434029958	0.01	0.6134503809	-6.288371775	4.0542172384
## 1792	5.2648464679	0.01	-0.6079661901	-7.546284338	3.8729771296
## 1793	-4.3023176970	0.00	-1.0623664413	-7.585947631	-0.7372091450
## 1794	2.0524110463	-0.03	1.8937576734	3.810552957	-3.0556425113
## 1795	-0.8574843669	0.01	1.1728637772	-1.835617760	-0.3350376459
## 1796	0.2557625411	0.01	-2.9128463275	-2.407304501	-0.5674311872
## 1797	4.8269034322	0.00	1.2945293408	1.045658920	-0.2069546384
## 1798	4.2859028798	0.00	-2.8012849794	-4.942353725	1.3013728756
## 1799	-0.7450049991	0.00	-1.1451666688	-2.566762110	1.1272250804
## 1800	-6.5885623094	0.01	0.6044318997	-6.139500001	1.2556318165

##	1801	9.3457120566	-0.01	2.6628132364	-1.942675650	-0.6480408773
##	1802	1.7179199445	-0.01	-0.1921034235	6.519881745	1.8421638836
##	1803	-3.1649826520	0.00	-1.1328510010	7.271985010	-2.1026868236
##	1804	-2.6251274551	0.01	0.4492990233	14.965161181	-3.9592216745
##	1805	2.1496446410	0.01	-2.9041735768	-7.501447747	2.2995805749
##	1806	-0.0586197769	0.01	2.8928068947	-3.260795588	-1.0851828802
##	1807	-1.9807153715	-0.01	0.8178442066	9.769999098	-1.2525808143
##	1808	-0.7704085317	0.00	1.0778265728	-9.298199996	2.9977725400
##	1809	-2.3799327293	0.01	1.4564390066	-5.291015129	0.8891213787
##	1810	-1.6758319521	0.00	1.9876853186	-1.334693610	0.0363515706
##	1811	-1.5152712394	-0.02	-0.0585845544	-6.415787992	1.9370562213
##	1812	-3.8778502074	-0.01	2.6367269345	0.924841899	-1.1661708162
##	1813	-2.3408128714	-0.01	0.9482205299	-2.315325327	1.4521577047
##	1814	1.1599512491	0.00	1.1243828246	-6.302033709	1.4450787714
##	1815	1.1178670700	-0.01	-0.3021225288	5.259519893	3.8268862701
##	1816	-1.9402942785	-0.02	-0.2853663897	-5.285035303	-1.2212492035
##	1817	-2.4582922232	0.00	0.5306055419	-5.604129266	-3.9956395776
##	1818	3.4208512548	0.00	0.0505034657	-13.348500294	2.9708174695
##	1819	2.0290568509	0.01	0.5133984921	-24.930452157	3.0914422295
##	1820	3.2092671092	0.01	2.2259747163	0.094629860	-0.3780279865
##	1821	4.4052164494	0.01	-1.9899333496	0.729414894	-0.5260474676
##	1822	2.5164529466	0.01	-3.2777521138	10.864244662	-0.8617030832
##	1823	-1.3063321917	0.01	0.4000994759	-4.882099780	-1.6057509069
##	1824	-2.9184470213	0.01	0.5559040417	-0.319941811	4.1782601230
##	1825	-5.4313679083	0.00	-1.9836188555	-3.995536353	2.5801640073
##	1826	-3.1984220635	0.00	-0.2651149030	-7.616632837	3.0746164377
##	1827	1.6415049107	0.00	-2.1854470116	6.680474182	-1.0861460484
##	1828	4.7607617268	0.00	0.4892870200	6.844357474	0.5584037605
##	1829	1.7154700147	-0.01	1.7320963448	1.164562063	-0.3829385586
##	1830	-2.3114295590	0.01	1.9155446688	8.004563944	-0.9745425994
##	1831	0.1755287555	0.00	-2.2320822297	-4.345807596	2.9554578695
##	1832	0.0255078795	0.00	1.4846383852	15.159897248	0.9988979730
##	1833	-6.8285350311	-0.01	-0.8151777160	15.371030895	1.3531835954
##	1834	-0.5316195553	-0.03	-2.4606706554	5.631839533	-0.7756872248
##	1835	2.0046410875	0.02	-2.3822840221	3.418388313	-2.1244515081
##	1836	4.5738012108	0.00	-2.0380661934	-23.235613186	-1.8934306370
##	1837	-1.2623842767	0.00	3.2911547585	20.840313558	-2.5451653765
##	1838	-4.4022699930	0.01	-2.5894710902	-4.776640698	2.2805191190
##	1839	0.2401770478	0.00	3.3794906227	-8.338319980	1.5013872216
##	1840	-4.8105297040	0.00	3.1381214128	-4.641206125	-1.5842120462
##	1841	4.1011534176	-0.01	-0.4437939882	3.432337096	-3.6926930689
##	1842	1.8192125866	0.00	0.7667431645	2.961445004	0.4201547884
##	1843	-1.1797253093	0.01	-0.6987377834	-16.499520463	-2.7168594825
##	1844	0.0714890712	0.00	-0.1471733551	12.171123505	0.4674345270
##	1845	-2.6328530805	0.01	0.6480465766	15.771086261	-1.9315311611
##	1846	4.0488236884	0.00	1.1403677641	0.922790411	-1.2018195966
##	1847	0.9682274936	0.01	1.9764629762	-5.410209593	0.6913630730
##	1848	-0.1762443521	0.00	0.8578395062	-11.761495279	3.2176632693
##	1849	1.7871790971	0.01	-1.0634392043	4.815329900	3.3681385627
##	1850	-0.7482739378	0.00	-2.1481379814	-5.464968125	3.9220921586
##	1851	1.7731023473	0.00	1.4595954399	6.133843556	1.2447413687
##	1852	-1.1779815940	-0.01	-1.1597715860	-3.826348871	1.1471587072
##	1853	-0.1082349761	0.00	-0.3422907233	-6.865225550	-0.8448112825
##	1854	-4.1353665861	-0.01	-0.8913029970	5.077590204	2.3042422987

##	1855	-1.3633293761	0.01	0.8295795541	4.054490596	0.5762341097
##	1856	-3.6950991988	0.00	0.8593560816	3.514754504	-0.5896920134
##	1857	5.0131873888	0.01	-1.9830585647	-5.743562909	-0.8356758849
##	1858	1.0186446417	0.02	-0.1993173514	-4.084354947	-1.6848429703
##	1859	-0.5090873643	-0.01	0.5824322608	11.872159039	-1.7903458600
##	1860	-3.0698472990	0.00	-0.4764800791	-16.421877968	-3.2438728550
##	1861	-4.3440933713	-0.01	-0.7566617332	1.703013684	-1.3258257205
##	1862	-3.6552398866	-0.02	-0.7299244590	-14.890934991	-1.2173089081
##	1863	-2.0343519642	0.01	0.8424601086	9.014149950	-4.4485172822
##	1864	-1.0459336760	0.00	-2.2128401968	7.886275900	-2.6375000555
##	1865	2.5166622400	0.00	0.8695121729	-6.550747660	1.0411432463
##	1866	-1.6713757095	0.00	-0.5315815328	-9.284038013	0.8611313607
##	1867	-0.5041122776	-0.01	-4.4282871349	2.084766575	0.9246310612
##	1868	-2.7046243006	0.02	2.1245865785	-16.747935549	2.0212768174
##	1869	-0.8797880720	0.00	-0.3166742134	-4.227779079	-3.6671770194
##	1870	-4.8013668545	0.01	0.6578296248	-2.329958596	1.3666196225
##	1871	1.1395455494	-0.01	-1.2361928858	-0.396613495	0.3842852201
##	1872	3.5503883134	0.00	-0.0475474928	-0.426407695	-0.0724288508
##	1873	0.5271870960	0.00	-3.5287319639	6.681800687	0.5167579701
##	1874	-2.0211267929	0.01	-1.0648927752	2.221310003	0.0378026109
##	1875	2.3765457479	0.03	-0.4814238014	-7.599962082	1.1402862132
##	1876	-1.7521697709	-0.01	-2.0136622345	-8.044767401	-1.4773878050
##	1877	-0.6959207673	0.02	1.0763236035	-9.372149380	-3.9236583363
##	1878	-3.1557444308	-0.02	-1.0556527568	5.121780459	1.5548042292
##	1879	-2.9395187820	-0.01	-2.4849440141	5.350110582	1.7521160193
##	1880	4.1992659491	0.01	0.7810899437	4.188786992	-0.4894527287
##	1881	1.7176629430	0.01	-1.4731907164	8.021416218	-1.8060651100
##	1882	1.4058499368	0.00	-1.4664786801	9.049238630	-0.2658034413
##	1883	0.1036441547	-0.01	1.8016853979	5.786079762	-1.3962421523
##	1884	-0.1212148126	0.01	-0.1318410077	0.596217163	1.8486823398
##	1885	-2.3746459064	0.01	1.3040377876	3.564316812	-0.5690649228
##	1886	-0.9447063677	-0.01	-2.2025224370	-14.889788206	2.9723021537
##	1887	-2.1635686596	0.01	0.8415252441	-19.666455078	-2.5447164121
##	1888	3.1537258730	0.00	1.5172296276	-4.245848856	-1.2835035497
##	1889	-0.7224884753	0.00	1.4773528249	-2.838197260	0.6885516169
##	1890	2.6929512979	-0.01	-1.4794928163	-1.608032775	3.9362965343
##	1891	-0.8608795387	0.00	-0.5794818338	-0.025803977	2.7042780610
##	1892	0.9338855000	-0.03	-2.9413676522	-8.652936874	0.6465116857
##	1893	1.7480712074	-0.01	2.9890897185	-0.787667221	-1.5908225068
##	1894	-3.5562703079	0.00	0.7907720631	4.065032419	-3.7452608907
##	1895	-4.2690336238	0.00	0.9208991504	-7.797539037	0.4280118510
##	1896	1.0030251645	0.02	-0.0641453858	5.183518353	-3.1575352899
##	1897	-5.0481767186	0.00	-1.2623688758	3.232817132	3.3846722377
##	1898	2.4765742322	0.00	-0.6509089944	-0.312980986	-1.0461442295
##	1899	-0.7498022521	0.00	1.5540382643	-3.667199987	-1.1108444802
##	1900	0.1812394812	-0.01	0.0593283735	-16.751365266	2.0826671019
##	1901	3.7838734300	0.01	1.5194592369	-7.061821343	-4.0363298137
##	1902	0.8663362834	-0.01	2.3309514846	-1.641998625	-1.4262741355
##	1903	1.7378530745	-0.01	0.3416212780	-8.626979432	-1.4323955957
##	1904	0.5351809798	0.00	1.1525195667	-1.397552804	-2.5013710645
##	1905	0.0607149421	0.00	-0.4660022525	1.052914434	0.8310650038
##	1906	-0.2195407651	0.02	2.4216805889	10.474533109	0.9809161504
##	1907	2.3429096085	0.01	0.7698988168	1.963716670	0.0862786345
##	1908	1.0889947125	0.00	0.2328238144	13.681564076	0.2665874833

##	1909	3.3821076730	0.02	0.8098472413	-15.599660278	4.5558256636
##	1910	-1.6725996461	0.01	2.9913232734	17.567183016	-1.7557415223
##	1911	0.4524147697	-0.01	-1.6048899522	4.814960056	-0.8572263649
##	1912	-0.5485937110	0.00	0.1620641417	3.057785744	-3.7420667051
##	1913	2.3531526614	0.00	1.9195730822	1.655051471	4.4508941030
##	1914	0.6449796576	-0.01	1.5773719886	-12.910358561	-0.1850330049
##	1915	1.3345415001	0.00	-2.3207268292	-2.662886905	-1.4744610664
##	1916	4.1492330139	-0.01	3.2378888479	-4.970759377	1.4780034474
##	1917	1.6494063182	0.01	-0.3128248685	9.465693323	-1.7069825716
##	1918	2.1455835290	0.01	2.6010606663	5.041752068	2.6857368877
##	1919	1.3722660802	0.01	2.2196680016	-0.136459578	0.6000246867
##	1920	-2.2752450057	0.01	-1.4044449880	3.767139578	3.0290491167
##	1921	2.4843707116	0.00	-0.9391616171	3.907270868	3.5829982581
##	1922	0.0604424861	0.00	-0.4812791456	10.269456139	0.7786209074
##	1923	-5.3001878666	0.00	0.7138368083	-7.444058991	-0.8055947234
##	1924	-1.7805764631	0.00	-2.9027171788	-15.027137434	1.1497345090
##	1925	-1.9717190809	-0.01	0.2894081118	1.543813007	2.9262596585
##	1926	-1.9947149236	0.00	1.1712037850	-6.550876171	1.0504759751
##	1927	-0.3322055701	0.00	0.0208395892	8.977142825	2.3572420098
##	1928	-2.3149895357	0.00	-2.7700190609	-0.125423571	1.0597327907
##	1929	-4.6356533294	-0.01	-1.4707727033	-2.624941713	-1.5220584149
##	1930	-3.7488595856	0.00	0.4925224540	13.241451933	0.8435285226
##	1931	3.6229399428	-0.01	-1.9009549189	4.926956138	-1.7144745257
##	1932	0.8347510419	0.01	1.1505835205	14.458909878	-1.2055771174
##	1933	2.4360010366	0.02	-0.6332519133	-1.420373535	0.1291432576
##	1934	-0.2647113793	-0.01	-1.6202639625	9.523889606	1.4167846884
##	1935	-0.1656083190	-0.01	3.1868737888	-11.111706768	-1.6686052148
##	1936	-3.4551515404	-0.02	0.1007980077	4.050689253	0.8097905804
##	1937	-2.8318969834	0.00	0.5639700794	-6.975742088	2.0731796916
##	1938	-2.4246310017	0.00	-3.9559094098	0.892132073	-2.9181915048
##	1939	2.9979985173	-0.03	0.0368776188	-10.929012463	-1.2325280960
##	1940	-2.7576106485	0.00	-2.9779516781	-2.958924711	-1.7455177243
##	1941	-1.1831830044	0.00	-4.8879411682	11.663608297	-2.5926273520
##	1942	-7.1057952071	0.01	1.6253321781	2.175084153	1.6272106509
##	1943	-0.0027888207	0.00	-1.9508120271	-6.173799313	3.5846657767
##	1944	0.1422401938	-0.02	-1.3337590238	2.684926534	0.5799076720
##	1945	-1.7668281937	0.01	3.1563286209	8.974049941	-3.3785876437
##	1946	-3.6649706252	0.00	-2.0563943821	-5.426074113	2.8314809662
##	1947	-1.2515872583	-0.02	1.2587327551	4.074706845	0.8732990077
##	1948	-1.7771678130	-0.01	-0.2292558563	-1.753793405	0.4791147255
##	1949	-1.7308897982	0.02	-1.3652432950	-15.206377524	1.3630747837
##	1950	4.1146556533	-0.01	0.9824796734	-5.038341245	-0.5242365256
##	1951	-0.1090895737	0.01	0.1706802403	0.100614436	-2.6702295738
##	1952	3.0752437825	0.02	0.0344522261	7.918400122	5.4577387463
##	1953	2.2894814995	0.00	2.9102176741	-0.538586836	-0.9478798411
##	1954	4.9610128170	0.00	-0.1704206603	-9.960681887	-0.7179371806
##	1955	0.3430574593	0.00	1.4776031116	1.838170371	0.8269045084
##	1956	0.3187686919	-0.01	2.2916349269	-5.540904467	-0.9292419056
##	1957	-0.3323820766	0.01	-4.6093123544	-0.452499976	0.6234246999
##	1958	-0.2651069828	-0.01	-0.3768825275	3.615914649	-0.3696052921
##	1959	3.4243186910	0.01	0.7783869990	5.830227642	4.3478529733
##	1960	-2.0650566511	0.00	0.5891969725	-9.630880844	-3.0256107133
##		x36		x37	x38	x39
##	1	-0.8738235670		1313.96	-1.353728866	-5.186148421
						-10.612200228

## 2	0.2282704967	1962.78	32.816804051	-5.150011667	2.147426543
## 3	-1.6125605464	430.47	-0.333198503	8.728584698	-0.863136786
## 4	3.0334550765	-2366.29	14.188668810	-6.385060389	12.084421149
## 5	-0.3416040209	-620.66	-12.578925979	1.133798041	30.004726636
## 6	0.6561323138	-196.45	-6.555903074	6.014648405	3.091260791
## 7	-0.0007345145	-241.04	-14.102935328	-6.139318297	-8.818326956
## 8	0.0102396058	621.35	17.885993566	11.162320907	-2.479899315
## 9	-1.9516583695	-301.89	-23.704438847	7.594268271	7.576009626
## 10	1.4797707482	-484.09	17.421889655	-0.302756705	-9.152182060
## 11	1.6169874182	-106.65	4.546234100	-2.775232566	14.001419216
## 12	0.5348121190	-622.76	-12.063684888	-2.632316395	7.565318590
## 13	0.0569793276	545.55	26.729088590	0.979734731	-12.285051954
## 14	-0.9314808935	1019.08	20.820000568	6.666157506	-11.567399002
## 15	1.2587592538	960.95	29.194515199	5.363980371	-8.897841851
## 16	2.4456204875	299.52	23.654954641	4.497486993	-52.283301307
## 17	0.4798193727	72.83	9.572060838	-7.938113042	-12.132429147
## 18	-1.5857978962	-12.09	-14.349459675	-3.660668469	19.549105716
## 19	-0.9400803787	1074.27	7.066684440	-0.915279292	6.367554486
## 20	-1.4292243487	-426.46	-6.335142878	6.996685681	24.878142318
## 21	3.0497880803	-710.18	-21.762648623	-5.633465839	-38.591364760
## 22	-1.1842836665	370.01	22.357933463	-1.767464899	-5.925424683
## 23	-0.7048625246	-1199.52	-0.874332950	3.852069864	-14.344606533
## 24	1.9464070859	-12.09	-6.212306003	-2.752918364	-9.261832159
## 25	0.9566016037	2158.38	31.789843856	5.565357287	-2.500455702
## 26	-3.0229657975	-464.60	-13.379550343	4.679530081	6.902983442
## 27	-1.1746951185	-526.08	3.154122924	7.745590416	4.018951927
## 28	2.4637073614	-1321.42	-27.011242138	4.676535431	1.752709131
## 29	0.5243984263	771.15	9.355319384	-7.249909140	-4.315275822
## 30	3.1577899140	41.97	41.174839846	-0.292936887	-25.146353895
## 31	-0.1455949746	-389.97	-19.801180796	5.623844443	11.974304762
## 32	-0.4396938699	9.41	-0.861256586	-0.202422767	-17.017715702
## 33	-1.5629224559	-651.25	16.354498633	-8.194948515	15.708291439
## 34	-1.8210594231	1192.76	13.573827965	-1.219584647	-12.463917677
## 35	-0.1910225603	941.94	16.171890454	-3.676921777	-18.267968761
## 36	-1.6243580718	212.76	-7.493185640	2.229299967	13.085466477
## 37	0.3043906118	-2342.23	-13.569088692	7.318829449	-29.137801460
## 38	1.1770553919	1303.35	16.200023417	-0.154897234	7.539276575
## 39	0.2334046890	696.04	12.038362836	-0.404222798	1.152167307
## 40	-0.8377972409	-1860.44	-21.656150614	3.046333001	39.760224002
## 41	-1.0466429198	1566.47	3.346350346	-0.593347100	-8.290801723
## 42	1.9202480343	-621.64	-0.223927269	-8.588213424	-3.142643181
## 43	-0.7597786244	1172.58	25.115280850	5.860797462	-18.875598935
## 44	0.8603585647	294.81	-1.425604576	-0.402978530	-30.198360749
## 45	0.2239547451	215.24	24.791443861	2.602563249	-20.421172365
## 46	-0.8709140434	65.12	-11.035925219	3.694608357	4.888850719
## 47	1.0321146316	443.55	8.621809893	0.400565759	6.351568188
## 48	0.9311918513	1730.71	16.031872532	-4.950779322	8.178334690
## 49	2.1931680528	-12.02	11.781942319	9.615744553	-12.422347059
## 50	1.5070866440	710.29	-1.061017621	3.367296889	21.752031625
## 51	0.6921769594	727.80	18.133515409	2.090410710	-3.450275033
## 52	-0.9324563458	287.94	-5.859679256	-4.042226852	-3.630371277
## 53	-3.1825434118	1684.94	34.877194892	-4.340020487	4.910539584
## 54	1.3019432710	1555.72	19.781462983	-2.893216250	-8.099746471
## 55	-0.5358603775	-1718.68	-15.833156577	2.974856684	-3.062484959

## 56	1.3472272343	-1129.45	-16.312472267	-0.402111141	-8.616216409
## 57	-0.5978976007	-1396.63	-16.773657281	-5.056720176	8.744451981
## 58	0.8551497612	956.20	3.437237814	-0.019803996	-7.526958171
## 59	-0.1923939479	1289.91	-7.000003465	-2.726657025	4.812127735
## 60	-0.6734351283	576.38	22.457306854	-7.358750351	1.809284320
## 61	3.3922761122	2199.69	23.501271247	-2.948359635	-12.029254348
## 62	0.1891267929	1099.39	9.015929968	-2.066747392	17.672286993
## 63	-2.4392038595	288.81	16.239887914	-9.065843848	-19.985578053
## 64	-0.8147232585	233.95	-3.231838872	-0.001236812	-13.175998143
## 65	-0.0196210901	-68.44	18.529053841	2.342467768	-3.876391760
## 66	1.1736164036	-321.20	48.846112894	-3.321432368	-24.070374861
## 67	0.1695188473	-1071.83	-2.475901150	-0.133197630	-31.414127841
## 68	-0.2806915310	822.91	-8.038371303	-3.380421806	13.761782028
## 69	0.1581879153	1657.61	37.314071702	-6.815214631	16.289802134
## 70	-1.1531437315	1204.95	-1.407457422	-2.046671340	37.210330479
## 71	-3.9566336765	638.54	19.443596589	-0.346337660	0.904887322
## 72	0.1802754575	-1315.18	-15.329809601	-5.526880771	3.814563146
## 73	2.9131223545	-625.24	38.655632166	1.583825005	-18.703748839
## 74	0.1106109546	48.66	-13.573730336	-3.865123815	-20.080845394
## 75	-1.0726504784	604.54	20.683081007	11.244458973	-21.279114176
## 76	1.0495940008	760.10	17.611457815	-1.093800386	-12.377110949
## 77	-2.7139826385	-801.26	-12.388758021	6.311247676	-20.626742673
## 78	1.0362879081	-1314.46	-5.844295292	-5.036202924	10.576802384
## 79	2.9794996702	1164.32	17.270740058	-1.973013947	-8.689223769
## 80	-2.7722889190	-1081.58	8.635308949	-2.210162087	14.676481651
## 81	0.1661319520	-465.37	-6.050252671	13.288121217	16.531763435
## 82	0.4468735335	-1298.47	-8.420665584	2.339648340	-4.276817470
## 83	-1.6119168557	-1933.09	-18.404831427	0.729681221	-8.702651359
## 84	0.7329968992	-23.12	-9.619493323	7.256221098	-21.039487264
## 85	1.1496924576	848.28	8.203876891	-3.485409272	-21.502046037
## 86	-3.1016588551	737.98	16.711562649	-0.709363848	20.993966101
## 87	-1.9763506186	-686.68	-15.021754784	-10.121851502	-15.304035327
## 88	-0.6168649265	-472.49	-23.902535610	-13.751328300	-7.331156527
## 89	1.9488931430	-84.39	-2.560360490	-1.012650053	1.990206960
## 90	1.9173038334	391.13	3.713458341	-4.664150502	10.877828084
## 91	-0.9689289825	175.60	-5.106438251	1.734584510	2.730745959
## 92	-1.3229245180	886.28	13.067209259	3.722586217	-21.619739473
## 93	-0.9745298959	-908.91	2.178799415	3.327854838	4.372580172
## 94	-0.6323531745	-713.77	0.074169343	7.247069715	14.013368056
## 95	0.8070668555	-1123.12	-23.445384812	-0.364766769	3.231026323
## 96	-1.8861784834	1337.98	-12.646851145	-3.357559765	0.453480106
## 97	0.6111915341	-832.06	8.302179121	5.840206927	-7.374053183
## 98	0.0077857503	-227.59	12.511790808	8.593418714	-15.830271320
## 99	0.9281348111	1528.86	5.076213332	-1.164075624	-2.762969347
## 100	1.9943418557	-537.44	1.687947925	-3.473426631	0.749542969
## 101	-0.8609511727	-928.56	22.387504116	6.812030011	4.843724003
## 102	-1.7454346881	-1368.32	-20.881316751	-3.070913195	-25.200983099
## 103	-1.6926101416	-60.10	10.855442990	1.494643362	-8.866152051
## 104	-0.0812274699	2342.05	44.942632240	-10.644449631	-4.237249401
## 105	-2.6509874180	-504.31	21.345220319	2.315938573	-2.122507757
## 106	0.1735627416	-882.97	-3.666319020	2.161999890	-11.497815593
## 107	0.8235547092	-165.50	-1.939655941	7.613506324	21.444128941
## 108	2.9639512702	-139.57	21.945628301	-1.908645003	-26.216728996
## 109	0.3208821116	478.21	22.687944529	6.302694304	-7.982657445

## 110	0.3992650405	550.95	13.851438067	1.214757472	19.574812988
## 111	-0.0333067388	-78.55	22.164927643	1.061388925	-19.265707907
## 112	0.7863326986	243.25	12.603924713	1.328665333	5.735436242
## 113	-3.0775336808	-650.39	15.219105173	0.755887512	-27.986015473
## 114	0.4222463090	-786.17	10.490856356	3.619141971	10.078130505
## 115	-1.4348393527	-614.16	-6.263101297	7.211679324	-20.061172685
## 116	-0.2326128507	-437.33	12.989123338	-1.444629197	10.377283659
## 117	-1.8189985598	1578.00	32.361052219	0.715177852	2.970426019
## 118	-1.4454605978	138.13	-2.343559614	-4.998137648	14.233573273
## 119	0.6171330010	396.12	-3.589910778	-1.233034204	-6.518341204
## 120	0.1841596819	-2506.84	1.299260148	2.965623028	-27.866285193
## 121	-0.1996333272	-688.31	18.447722355	-4.094213040	8.104560707
## 122	-1.2569977137	-1967.74	-2.522656343	3.664473244	8.189216535
## 123	1.6929461459	-1144.49	16.146610004	-0.792508744	-20.457459940
## 124	-1.4143099351	226.99	24.314225015	0.816360118	-3.407010258
## 125	-0.1949004432	779.54	-6.395953678	-4.171859602	12.616881740
## 126	1.9528207578	375.83	35.726010402	-2.579110400	16.235223388
## 127	-1.7155837369	-169.91	14.798623883	-1.252185465	-20.295035550
## 128	-0.1874089843	1323.67	16.258248636	-4.822095341	-6.198704653
## 129	0.4767285178	431.97	-0.274830920	-5.747276560	24.851592923
## 130	-1.6995343163	866.99	5.350380597	-9.547172193	10.792381330
## 131	-2.5980926212	1462.63	29.979076705	-9.805487974	-12.218453545
## 132	0.3594688172	928.63	23.702101445	-1.457474894	-0.300935309
## 133	-0.4751585587	-1614.52	6.528163323	-2.687779227	-22.732753459
## 134	-0.0124754115	88.90	-3.277023199	9.790431824	-19.713490726
## 135	-3.3812916199	-660.29	3.602577826	-7.741427403	-4.706425834
## 136	1.5180465372	-1194.40	31.185452294	0.385894093	-4.501777302
## 137	-1.2561180992	-1490.22	7.847269401	-4.665181479	18.760955877
## 138	-1.2162704542	834.65	10.608232655	-3.568406259	-16.843622274
## 139	1.4074814501	-474.46	11.150192045	-1.049270203	-7.276289956
## 140	0.6444444361	-1587.52	1.205911794	6.693154230	-15.614700679
## 141	-1.6085557871	1454.10	15.342050162	5.325161728	10.488258096
## 142	0.1691238010	432.16	23.121541012	6.167657999	-13.150261194
## 143	-0.4211458551	1157.68	34.958979761	-4.773702781	14.544125516
## 144	1.6926114077	-324.61	8.726201047	9.217299072	-16.978355692
## 145	-0.6120488294	-1810.03	-14.460608416	1.431252879	7.626581538
## 146	0.7973421541	723.06	23.930454105	-2.024427589	-9.528744688
## 147	0.4393375252	319.21	15.802177344	8.945582892	15.463615886
## 148	-4.1318932556	498.16	9.234452746	-1.607243714	-2.849632034
## 149	-2.1886738203	1175.81	11.631924747	0.816454033	-34.721023874
## 150	-1.5417088700	-257.72	35.720713239	13.740941931	-20.858394428
## 151	0.1698379891	-201.89	8.225601819	-9.781167054	6.623054576
## 152	-0.4292436805	-585.38	17.779507088	NA	-18.986415563
## 153	0.3001937630	-288.22	-12.610225161	5.267032138	-2.238515326
## 154	0.5405707025	643.36	5.041369279	-6.227069252	-11.171745967
## 155	0.9341065046	592.70	-3.295620403	-0.019447666	2.180775848
## 156	1.7132090300	459.38	11.494846877	-2.700677415	7.443512831
## 157	-1.5778556248	-1675.38	-6.492841383	-2.501917736	-20.616296556
## 158	-0.3934637087	-1144.47	2.769127557	3.813063971	-14.169213081
## 159	-0.8094457952	3294.57	22.843370273	7.110291848	53.784417257
## 160	-2.7130789180	2055.13	-1.914972188	-5.518996139	12.710149939
## 161	1.2026620729	-302.30	16.503548661	-3.696264074	1.841089667
## 162	0.6455381197	-370.07	5.224858551	1.046298866	-14.693461980
## 163	0.4527366935	155.56	13.735629000	2.208756105	-4.997519095

## 164	-0.8737920821	1817.33	33.171365356	-7.110014006	-23.540895979
## 165	-0.0723571817	-30.12	3.848059579	-2.611524153	8.192449565
## 166	0.4378275165	2001.79	13.440303007	0.069402650	-4.377180675
## 167	-2.8162870093	1619.68	12.626219600	0.190755287	23.197019772
## 168	-0.2528696534	102.15	35.549900981	-2.837847772	-23.245705522
## 169	-2.0614094537	-536.67	-9.230020560	-2.952375646	18.497613577
## 170	0.0253795153	807.31	16.253905798	11.533337490	0.829143426
## 171	-1.9987378316	249.59	-7.130994411	-1.918261102	12.883625271
## 172	-2.2153496073	-1302.53	-36.673228937	-6.643427815	4.845958029
## 173	2.2320709781	744.93	6.110486063	2.802658677	-18.327653228
## 174	-1.7196355955	-2436.78	-34.052684457	3.832350313	-15.752908629
## 175	-1.5345035302	1660.65	28.943934795	-0.544447371	13.293240559
## 176	0.3424739844	-1346.09	1.556089281	-4.438070496	-27.995115946
## 177	0.5356967559	-65.23	-16.227764474	-0.050983541	-3.222817843
## 178	0.0945483021	1394.16	11.609487206	-5.976136641	-2.835831285
## 179	-0.2949804731	150.84	9.505411813	-3.168899651	-5.961131854
## 180	0.4612172243	821.60	18.995560138	1.439630651	6.254164974
## 181	-0.8210401372	407.65	25.854505926	-3.900255495	-20.901714518
## 182	2.0124397135	-587.92	6.991874865	-1.418729631	1.967092897
## 183	-1.0511405167	1411.57	24.328823649	-1.509463529	-15.558012000
## 184	2.0909229188	273.49	18.117306648	5.452873385	-24.207083449
## 185	-1.6876164684	-463.77	-10.773679115	1.780019040	-2.301363698
## 186	1.1729911165	NA	-10.863075628	2.041339148	22.496292333
## 187	0.0579430692	1031.17	7.450379297	3.381179077	0.185905007
## 188	-1.8403429759	-937.73	-40.357309849	-4.232423876	7.966901344
## 189	1.2413395536	1106.13	11.417365971	0.576337460	-8.522855495
## 190	-0.1353463433	178.76	13.535296597	4.297575388	-1.447927389
## 191	-3.0515181310	-607.87	1.266214421	-3.467005163	-18.781349935
## 192	1.6724395790	1239.69	6.520524055	3.605585843	3.934027342
## 193	-1.4984620470	-1003.34	42.741946447	6.398072467	-0.423537446
## 194	1.0938246396	-288.50	9.474439750	-9.604991210	7.116446475
## 195	1.5386410941	-290.16	4.688947213	-0.106944505	-0.356746036
## 196	-0.2829233080	-255.88	-6.665170544	4.888745497	5.888476844
## 197	-1.0311017970	1401.68	7.348514329	-0.503409546	2.271352629
## 198	0.5089545256	-926.45	8.155871654	-1.263585290	-26.653815350
## 199	-1.0094037844	-257.61	8.773420704	-2.600425455	-26.140153870
## 200	-0.3128151318	-1037.27	-21.236035770	-1.691670238	10.083217199
## 201	0.8303233778	-1030.11	-3.516563012	3.680636724	-16.402827991
## 202	-0.7185656905	794.20	-12.296734041	2.913111757	-6.847196427
## 203	0.1663948005	-834.50	6.122335560	4.637285462	-20.026401604
## 204	-1.8445608523	-477.49	-2.577129631	9.399247968	19.007628092
## 205	-0.7381635775	334.31	-3.435892340	3.448470558	25.854574372
## 206	-0.8441612248	-45.51	6.895416644	-12.772743504	-6.998899497
## 207	0.3857556040	-1172.36	-5.888505731	-0.752187419	30.215162719
## 208	-2.8397850065	1204.86	7.215328837	-2.773099016	13.658991902
## 209	0.0958884890	1735.55	21.581037225	4.009356830	-8.727522953
## 210	1.1897386751	515.09	-3.324198068	5.957025278	8.620955612
## 211	-0.2087975629	-184.94	-11.770322074	4.847934325	12.621579925
## 212	-1.3465390148	-947.57	-19.504956405	-1.779155132	39.813206564
## 213	0.6839611790	-704.89	-8.858504229	-7.814791832	-12.147229425
## 214	0.6629936015	59.66	-6.752007301	2.118532017	-20.872141224
## 215	-0.4624683056	-897.38	-34.179775044	-3.248296849	2.381520197
## 216	-0.2515254639	-1103.57	-19.276912833	8.086291312	-18.974648422
## 217	2.6822034091	-99.08	10.725129601	2.728539653	5.077225861

## 218	-0.9434625842	559.48	9.626610805	6.967130605	-3.303366447
## 219	-0.9658555925	-453.68	40.686414075	6.678487346	-7.041949087
## 220	-2.0311964704	-1048.22	11.681914812	-5.476985674	-23.281666885
## 221	-0.5852076810	-402.59	-1.005305882	4.279002763	-24.038385330
## 222	-0.3150689648	-135.62	8.472461986	-0.882836765	10.790678237
## 223	-0.8280745667	-672.85	2.840058893	-2.372135688	17.656007689
## 224	-1.0099185057	756.89	6.050971477	4.547024229	15.391708663
## 225	-3.6474387313	278.70	18.235703638	0.392861980	0.056301589
## 226	1.9268919484	987.54	24.257550033	-0.428940735	-16.825928915
## 227	3.7064533920	700.07	-12.562287254	2.097869176	8.923524794
## 228	-2.1979256208	1825.15	11.845839364	-2.286171807	-10.346490517
## 229	1.1984280412	-455.61	8.116997471	-1.098997756	2.478123491
## 230	1.4210807967	-887.58	-21.176394658	-9.843469799	-0.043882557
## 231	1.1253645079	657.84	9.087934521	-0.673036049	0.961072269
## 232	2.0169653442	649.78	11.078283719	1.471314898	-6.728269740
## 233	1.0057972899	423.84	14.692243303	-0.548839015	32.412264137
## 234	1.4786033418	734.34	19.604890116	5.928932664	-5.958130255
## 235	-1.3498499823	-445.82	12.182277837	-6.572319841	-5.494824577
## 236	0.5356165740	1718.98	-9.567808366	-0.415719831	-42.257671088
## 237	-1.8531188088	-787.68	-7.099538067	3.037201587	18.500711230
## 238	-1.0195030971	-824.18	16.939789236	-8.171686167	-18.416191925
## 239	0.8103120052	910.20	-15.934335647	6.275057667	9.059593262
## 240	2.2998986167	-316.68	18.966598869	-4.700461316	-6.862850817
## 241	1.2808241735	933.20	10.874078008	1.767590949	-19.024969230
## 242	-1.6593697125	-464.21	18.454758991	-4.697619907	-25.023007848
## 243	0.2483557560	-446.48	-0.081159920	-3.860354743	-18.912516471
## 244	-1.9807738348	-1752.71	-4.886675787	3.996115693	30.359414958
## 245	2.0585799877	-521.62	23.942319548	4.439594414	-55.563552745
## 246	0.8043858075	631.86	31.256117460	4.130974799	4.674142031
## 247	-0.3919536481	-513.99	27.934804518	-4.051054357	0.232954466
## 248	-2.1299193343	1490.30	25.209677321	-6.672312563	20.218193142
## 249	1.5635829733	1215.52	10.876261995	-0.310424515	-7.860605673
## 250	-0.6587623059	-673.86	4.019327793	-0.728991816	-5.545971171
## 251	-3.1192333975	672.86	4.942760507	-3.021951974	28.808694273
## 252	3.1225689249	-58.53	-11.579547991	-3.137447427	9.860638889
## 253	0.2777326736	1699.78	19.677395376	-6.505892170	-21.108453221
## 254	0.9114575369	189.10	18.439622693	7.698136381	4.324553269
## 255	-1.3962598170	786.61	3.007993247	-3.452440002	-5.940996212
## 256	-3.2622209045	295.93	5.830651555	-5.111827768	-4.973305399
## 257	1.0422612672	1098.22	19.519055990	-3.643933882	0.388546319
## 258	3.4896000637	569.11	11.090660500	-3.181908283	-10.965667500
## 259	0.3451079500	-331.10	7.208164074	0.914229947	12.665482510
## 260	-0.5277079376	900.36	14.990778087	-7.440931980	-11.174744594
## 261	2.2042787323	-319.13	-3.637792888	2.087550148	1.956873133
## 262	0.6799402400	-590.70	37.250274421	5.066931109	-17.990564599
## 263	1.3089980728	1480.41	14.484774721	0.083240942	-1.065496094
## 264	0.8233473782	-8.90	9.764294710	1.996989948	-18.644016793
## 265	1.4292122528	-575.25	5.042923204	-7.492311522	-20.065866289
## 266	-2.2059525978	204.14	6.787106764	-2.091790445	-16.817038387
## 267	0.7634773864	2725.75	15.075444551	-6.881106763	7.299806158
## 268	-2.5982850401	351.87	11.724249922	0.073657437	-18.277245346
## 269	-1.5765237267	715.07	-10.153740302	3.035739893	-15.375789044
## 270	-1.3253796929	1023.82	14.600852168	-0.176766691	-10.370735326
## 271	1.9819604404	672.29	24.860517526	-1.480251158	-7.623523398

## 272	-0.0568525156	-333.95	0.336615992	-8.415783455	-21.690514190
## 273	-0.2687521153	-338.15	18.916264579	-0.808090532	17.969626978
## 274	2.3882475573	1065.18	29.752429851	5.656910179	-11.497684135
## 275	-0.8483923168	2051.11	29.170731225	-9.505027480	15.424194729
## 276	0.5506854441	237.85	12.651143127	1.789699525	5.097852382
## 277	-2.3635195125	332.28	11.171673981	3.032942419	-15.088954002
## 278	-1.7515621574	156.16	5.111455369	2.879593599	3.516530556
## 279	-1.2876754362	-1136.35	7.815632850	1.009341387	7.080868650
## 280	0.2293877088	350.45	-12.128196641	-1.379805198	-14.516070649
## 281	-1.7380119715	-1773.14	-18.620207199	-2.729692836	-13.467405101
## 282	-0.6842435677	-196.75	-16.177674128	4.998531543	-17.270246377
## 283	0.4355135328	-736.45	-3.199591284	-1.389118171	20.185952236
## 284	2.3570021630	1621.27	42.214622804	10.459924726	2.941131839
## 285	-1.0667040646	-771.45	-8.443179803	-0.310275328	40.013986877
## 286	-2.6574131375	-1464.11	12.869395565	13.494606903	-19.185185660
## 287	-0.6439127127	870.95	6.594672246	6.431858456	0.876275686
## 288	-0.4214918699	-1083.11	3.039659134	-5.357068501	32.541653476
## 289	-2.6472138207	1021.04	8.007440300	3.679327306	-7.132190122
## 290	1.8422716082	-863.75	-1.978536575	1.522865911	3.092224226
## 291	-2.7133573336	674.16	4.001217161	-8.900821969	-3.632839874
## 292	-1.2768162398	365.05	11.144738376	12.025971684	5.745107907
## 293	0.5022770542	1511.59	13.593079818	-5.161518825	32.204280885
## 294	1.0851413447	1178.68	41.307203199	0.952545073	-1.049373880
## 295	0.3771086901	-341.64	15.573375487	6.694427703	-0.257078688
## 296	-1.9159089296	934.70	18.011559296	-1.764844252	11.630334426
## 297	0.6896638045	836.04	26.826674799	-2.932563334	-5.524154232
## 298	0.9275467148	-118.55	-12.215875335	-3.941263710	-4.742022116
## 299	-0.4207527741	-230.46	-19.230516461	0.757700443	21.574435402
## 300	0.4686840011	452.61	32.979266697	-3.519672437	29.922440290
## 301	-1.0924340988	244.54	-7.714942104	-9.605843871	-9.041273686
## 302	0.6078442203	632.98	-17.913138423	-1.910611771	-9.418421322
## 303	0.8084194301	174.48	21.173692564	-4.148509293	-10.276898940
## 304	1.3001430412	1753.31	32.026920927	5.525307013	-3.191574436
## 305	2.7579106873	-554.59	21.851228498	-1.427665303	-14.370564138
## 306	-0.8760164032	1331.49	20.416973009	-2.362465308	22.390217033
## 307	-0.1696366059	-637.09	-23.213463159	-3.367402602	-8.264145633
## 308	0.2442749419	904.27	7.280046290	2.649000149	-11.620012816
## 309	-1.3800598902	-410.96	4.602735269	-9.088651980	-18.170894141
## 310	-0.7062978187	104.80	-2.163115811	-1.636684366	-28.936900841
## 311	-1.0444105740	-628.94	-21.990698808	-5.274597308	13.754327935
## 312	0.9033476093	-986.57	-10.189371792	4.971456798	8.599305542
## 313	-2.6076150176	1398.42	30.937035336	-5.930796195	45.861363064
## 314	0.6822463859	-511.45	39.212934326	5.767586878	-12.982474289
## 315	0.4280049014	1426.65	13.777837660	6.838296654	-12.940851488
## 316	-2.8999125991	701.43	9.122549069	-5.740437311	3.375946779
## 317	1.9577652092	-96.23	-8.285549072	7.964226001	-1.589737297
## 318	-1.3209902061	-73.78	-0.575200610	-3.443854305	15.834883928
## 319	-1.2991213496	-259.04	1.985020847	-0.669471006	-27.527480575
## 320	0.8483375750	325.09	-22.390888202	-5.797860143	6.878984060
## 321	1.0088005962	-435.25	-23.849099406	-0.997997427	42.107114999
## 322	-0.8032888478	920.26	18.875635762	7.680361473	-8.304180016
## 323	4.0872730091	-955.38	2.054881183	-1.175587240	2.768276010
## 324	1.1026747610	280.26	5.381079992	-4.494299840	-3.995369614
## 325	-0.0507214796	-41.50	-5.471104777	-0.036112068	-5.173801416

## 326	-3.4514421427	959.75	25.083878442	1.571804013	-9.162578962
## 327	-0.9683750790	-1367.14	-20.330485129	-4.281588848	25.881457327
## 328	0.0347841218	-664.91	14.049870624	-7.894648407	-7.416790440
## 329	-0.2737396231	2536.88	13.535183645	-2.356559155	49.536355852
## 330	0.1258634737	55.07	23.954472412	-2.828655370	-23.768299591
## 331	1.7930728689	-2251.65	-46.248501610	-7.101037454	7.315497090
## 332	2.9105655315	-474.03	15.254645019	-0.478615657	-13.391768102
## 333	0.6004787198	-324.27	-9.825581040	-6.097385037	-15.172669371
## 334	1.0122906132	-475.69	-19.181634773	-10.702653026	-2.670118162
## 335	-0.4564262725	-1718.86	-22.333525201	-4.535585306	0.935354756
## 336	-0.4387707316	1321.12	11.032259722	-6.906149134	13.201446475
## 337	0.0580626677	-2432.65	-22.907871562	-1.261116805	-9.943243800
## 338	-1.5083290753	888.32	32.529558775	-7.163566520	-17.887254503
## 339	3.9939582781	781.40	32.829098017	-0.585219687	-17.477503222
## 340	-1.2479738737	-134.92	7.644603171	-2.629866109	-19.022328010
## 341	-1.8241631756	-386.91	24.844853588	1.328227039	-1.462329557
## 342	0.0934163898	-471.97	0.988785228	-4.528128023	14.751789541
## 343	-0.3764321447	-1248.74	43.072012146	-4.405514423	-15.132424761
## 344	1.2543338462	880.11	6.784694949	2.742386865	-25.892531899
## 345	-0.0112703641	-1310.24	-4.347176599	6.169645571	-16.592038274
## 346	0.3382482436	-2797.89	-13.865057357	8.186423397	32.095217641
## 347	-1.2031144850	-1500.10	-16.430064951	0.407034922	6.460423703
## 348	1.5251198864	-1419.45	4.372375193	-2.572874189	12.049034307
## 349	1.0222686768	1193.57	2.207746790	1.177131587	19.614737043
## 350	-2.1909382302	1436.55	24.335893450	5.759594793	-14.987002180
## 351	-2.1753874841	-1510.30	-18.280833240	8.674702675	15.641494052
## 352	1.6087435418	1146.16	14.903757874	-1.440273105	-11.505576294
## 353	2.0227461215	1662.22	39.100783816	6.521367220	-14.934504600
## 354	-0.2223137983	-307.55	0.261590818	5.324527634	2.625579339
## 355	0.2766014121	872.85	36.936231066	2.679205437	2.335323266
## 356	-0.3531985695	-792.66	-4.575105155	2.117111162	-23.976587428
## 357	-0.7822781068	242.84	-10.683942834	6.571978588	-2.615237819
## 358	0.4479505630	199.38	-2.425540297	2.100960520	20.806358113
## 359	-0.9508972451	497.34	-11.557270630	0.355740736	8.467624366
## 360	-0.0125344485	917.67	26.466526564	-2.987365749	7.322169704
## 361	-0.2551005047	1819.79	34.171559356	-1.741820832	-7.398775952
## 362	-0.4059864183	343.76	-9.884666645	-2.932023208	1.726625275
## 363	0.5059193963	-1701.66	5.362778049	-3.296858976	3.886125880
## 364	-0.5964010584	-117.69	38.877223163	4.263475113	-7.446632063
## 365	0.4279947083	-328.21	-5.952557628	-2.890900841	-12.055149647
## 366	0.5200643245	58.59	-12.473416148	3.739677279	-7.407452065
## 367	1.8744348113	-304.00	5.447851337	-3.232489008	-23.558873742
## 368	-0.1992684344	346.81	25.817759325	-0.520636973	-33.612873831
## 369	-1.0439079836	488.48	11.925341645	-6.761147817	9.262993753
## 370	-2.1334919405	1322.66	7.662595981	11.541081398	-15.195688128
## 371	0.4019672404	-925.69	20.351565311	-2.333855317	7.983309150
## 372	0.3136239352	-277.07	52.088820589	0.245647776	-33.319167221
## 373	-0.5981056400	-205.04	-0.436897007	-2.580304298	10.944778452
## 374	-2.2083462258	-2888.18	-10.435389063	2.931491716	27.475738949
## 375	-2.3181364226	1208.46	16.172467107	-2.370650152	5.232638574
## 376	-0.0519404870	997.77	-4.216426434	-3.846116085	-20.857994546
## 377	-0.1035573076	427.59	14.001581753	0.644332179	-8.156217077
## 378	-1.9905514710	1805.27	20.448232961	0.612596760	25.795484652
## 379	-0.7761678362	2237.99	27.516589612	1.894932924	-19.697035844

## 380	0.9319600178	1933.44	21.719955992	0.107334151	50.470671697
## 381	1.3048101997	-715.66	-8.159753975	8.541120774	-33.114397970
## 382	0.0123762818	999.33	27.675006328	3.321157942	-22.025734244
## 383	0.2769415757	30.01	-10.963874879	-0.931514627	25.057346793
## 384	-2.0186941027	400.28	31.368275778	1.571132055	7.887609587
## 385	0.5225701793	-24.94	25.323067485	-3.339882120	22.461401162
## 386	0.6308526886	-1098.32	-9.688378063	0.513054009	-16.178669703
## 387	-0.9150407632	949.79	17.125163374	-6.064506844	29.459338917
## 388	0.7867516128	-253.54	11.118504671	-0.755808889	-15.788244546
## 389	-1.1178050582	-524.05	22.996702591	-2.789114966	-3.405601438
## 390	1.0233316701	808.72	3.386695098	8.102983091	20.555757105
## 391	0.9239118758	-513.25	28.872624963	-2.698179855	1.644847359
## 392	-1.5833325800	-103.62	14.344084748	1.233874686	-29.367209466
## 393	1.5515860884	452.41	3.554163836	2.383249039	2.446140248
## 394	0.8155153504	273.00	13.553246965	-5.961771653	-7.092958913
## 395	-0.3711475285	-229.25	3.383227424	-4.420514497	-17.697543677
## 396	-0.8720218883	394.89	36.093829357	-1.659117962	14.573002632
## 397	0.2347247491	-1028.68	-0.054541801	0.455475155	-0.381926806
## 398	3.0342005263	-156.81	-0.620431276	-3.790268565	-34.527706260
## 399	-0.2114968776	1910.89	26.538188081	-9.871693958	-34.682348214
## 400	-3.1346887903	-1488.94	20.190061831	-2.859556781	-28.917288598
## 401	-3.5924578721	-1005.63	8.946962377	-1.582429672	-13.212035852
## 402	1.0356189672	1143.79	5.666787150	7.295017377	7.467336069
## 403	-1.7346645152	649.23	10.038880594	-1.760940690	-29.530500763
## 404	-1.6547183503	1178.99	19.876564036	-9.114264179	-5.630059492
## 405	0.5197755622	-518.41	20.612256055	-11.120456317	-20.945664998
## 406	2.4878096778	96.24	28.238949062	-0.950913520	-11.045184731
## 407	-0.2397884029	616.23	-0.169890787	-5.168373722	-13.020852365
## 408	-0.9266143622	1838.61	29.872858628	-0.563498820	-26.902191085
## 409	3.9428134670	46.60	6.851223049	6.251395691	-7.166234308
## 410	-3.1519670400	571.14	9.573286469	-4.960876097	32.951584371
## 411	-0.3825417259	1103.33	9.520625968	-0.819284258	31.377430020
## 412	-0.0010262980	62.82	12.338119072	0.030872956	33.186315382
## 413	1.3438824831	2183.84	43.246737840	3.768784617	5.875677766
## 414	3.7701068932	-156.00	5.965928272	8.507834091	4.932920322
## 415	-2.8712642885	469.07	-16.456437622	4.481626760	29.890408972
## 416	-0.4692729132	-2.28	2.838649253	-3.871532926	-38.158090091
## 417	0.4619714589	-390.42	9.475516285	6.651186046	-15.328452343
## 418	2.0966370541	-2055.19	-54.903316692	-1.089247152	5.918536600
## 419	-0.5195019949	1078.95	-7.370481274	-12.356256877	-7.091878275
## 420	0.5358795161	-271.16	-10.985921793	-5.812101101	7.972162171
## 421	0.3546408506	-588.00	12.842376590	-3.811237498	-13.552329285
## 422	-0.3726689758	762.10	35.585576801	-5.402109643	19.867831615
## 423	-2.2096241052	2271.60	43.461972053	-3.694544813	3.308942408
## 424	0.6532306366	261.18	18.172606571	-1.407337315	-26.490343869
## 425	0.1674897914	1381.13	36.511416248	7.952807715	-5.465657074
## 426	-0.5323028264	-1243.08	2.812915500	2.179614646	-25.393117422
## 427	-1.1197828124	-617.28	3.506896993	8.718519597	16.872418306
## 428	-1.8664704919	638.22	23.516799671	-0.561773130	14.927375798
## 429	2.3712165601	-2289.78	7.053475115	8.282251006	-6.107291231
## 430	-2.2313843127	-577.50	-10.387141066	-1.372970142	-17.809810690
## 431	0.5681223705	1963.43	32.919637765	-5.888538950	-0.542864272
## 432	-0.5693415770	1051.26	16.163567849	3.366659307	7.744956556
## 433	-2.4516578757	239.66	4.066240248	7.412997831	0.869476327

## 434	1.2135475156	330.94	16.163977487	-8.044901877	-14.656681844
## 435	-2.3813531788	-1027.99	-4.450333263	5.035009302	-5.571796283
## 436	0.4145508186	-971.89	-30.740395988	1.155519692	8.870485066
## 437	0.0663129598	508.62	13.045460324	5.391256495	10.652092264
## 438	0.3056971723	63.62	-13.991284132	1.733098439	20.275993440
## 439	1.9137837766	2129.64	23.620653169	-0.957546674	54.359685509
## 440	0.6601681106	-988.47	-16.782717825	-2.313208975	4.381607056
## 441	1.4344695638	-405.24	29.329551239	-12.601383519	26.306853897
## 442	0.4172581869	547.60	22.101326993	5.213870975	-25.221874760
## 443	0.9286802253	735.03	5.785837820	-2.577036302	19.786299474
## 444	-0.4362142664	-890.06	3.667134925	2.972707879	7.294178836
## 445	-0.6696177491	-153.66	10.464594375	-2.172945170	7.765811046
## 446	-4.1833965454	-2085.21	-27.097824962	7.386540402	15.706370395
## 447	-0.7720426409	123.44	-11.739877802	-8.066872017	-7.827849669
## 448	1.1231420864	-459.10	20.587864777	8.459098400	19.284988959
## 449	-0.7429371795	-2028.98	2.052890532	-0.382785031	10.269439632
## 450	0.1339544433	-1161.03	9.920997001	-0.932962750	-8.983048384
## 451	-1.2407103277	-544.12	-10.189849187	8.118891355	-22.826989595
## 452	1.2894990635	379.08	42.885332321	7.016982951	27.919476415
## 453	-2.0317318806	60.60	-15.949372214	-4.806463194	-14.544769612
## 454	0.6950339351	643.44	-6.372369087	-2.710630888	9.548620394
## 455	0.2825607152	259.38	6.326471686	-5.501246823	20.139911971
## 456	-1.5031027148	-1642.88	1.853734570	-0.180429514	-10.513254446
## 457	-0.3186732067	-1089.53	12.458518249	3.793403249	-23.945001801
## 458	-1.8046673223	-2225.86	-0.104074889	3.288189330	0.783270799
## 459	-2.6977108473	-67.81	-17.066389511	1.486734663	3.080954307
## 460	1.5324983607	412.13	1.295104508	7.670784941	11.134003518
## 461	-0.3008949356	954.17	13.265553381	2.487009022	17.273258366
## 462	1.3453641526	-450.52	22.899609141	4.789880696	-7.138109134
## 463	-2.2379387745	984.29	3.380743668	7.376415250	6.019429454
## 464	1.9255612293	967.77	23.781176747	-4.993859900	-10.376247109
## 465	2.1846741723	352.10	-16.432169052	5.827293334	-4.138234942
## 466	-0.6809293096	-569.20	-0.661198141	1.010846142	-22.272248441
## 467	-2.0646493171	84.18	22.524464303	1.251429603	0.536801848
## 468	0.6366815923	1035.65	0.175621239	7.396926248	-21.888233181
## 469	0.7362860287	1333.68	17.657720680	-1.818478218	15.571359053
## 470	-1.6726478314	979.16	-0.398531822	6.119370315	26.126425312
## 471	-0.6579347172	-749.42	-8.851632909	1.611596435	-16.670517576
## 472	0.1278531037	-2867.67	-39.556525739	-9.102357785	2.613918946
## 473	-1.1152283699	-954.93	-15.050699376	-0.472017992	24.129942575
## 474	-0.8328746740	-640.05	24.996090205	0.690247681	-30.850211369
## 475	-1.0451528811	-544.82	-3.267988384	-1.616912364	5.526222389
## 476	-0.8717621548	-198.82	-7.257940653	-7.197608609	-8.729206115
## 477	-1.3136775637	437.36	-1.013081695	0.173740348	-4.101879017
## 478	-0.8204061026	-1495.11	-21.211337647	-4.151322304	-14.242461362
## 479	1.8663855936	-26.81	1.822733303	-3.821212411	8.461630901
## 480	2.6014150350	-803.76	-9.542092056	1.231199252	3.969156640
## 481	1.4776049749	-651.21	-12.902484477	10.757663052	-15.202687233
## 482	1.9723759820	-1117.35	-3.791597099	7.183201623	-18.063721979
## 483	-2.7181270315	-1020.34	-12.978982424	0.219764584	5.838469167
## 484	1.6506283707	927.48	17.617464540	1.954480035	13.892671050
## 485	-1.8086783283	349.14	20.743670895	1.015425000	-11.896592030
## 486	2.1524740835	221.08	9.935838692	0.782623296	-13.733632579
## 487	-0.9553098207	716.52	48.184916759	-0.884107394	-10.210440379

## 488	-1.4249021746	262.64	-5.765894086	4.530761501	-20.035050269
## 489	2.8470538366	255.01	11.823474292	-2.041968033	-24.460728543
## 490	-0.4419609335	-349.45	-23.866205545	-0.235298641	-17.699632727
## 491	0.6414621541	289.49	13.930078131	13.519054189	12.235790672
## 492	-2.2665389474	-879.63	2.539625388	8.342374009	17.101706744
## 493	0.5424700327	2764.76	20.897944252	4.482149298	0.772935382
## 494	-4.3518678467	-359.03	3.213610783	-1.681321726	0.510292958
## 495	1.3110227741	501.37	32.639387175	-0.688762870	1.554088103
## 496	-2.0226136154	-388.33	-2.837443946	-1.838642258	5.366958097
## 497	1.1190659172	959.70	20.978004929	8.326647063	3.490345917
## 498	2.3242187081	-693.54	34.989153194	3.874216220	-18.601185415
## 499	-1.5131519815	1139.93	-7.169528887	-2.657128380	15.631195919
## 500	2.4524869836	-636.16	-2.941869338	0.599127206	-42.741690599
## 501	-1.6560205154	1415.91	20.468684348	1.721279705	-17.087988941
## 502	-2.1268414370	-1456.28	-21.252262328	-0.388559823	-4.138785490
## 503	-0.5149714655	-1353.40	7.898356162	-0.536541427	-10.795944931
## 504	0.7319394044	-404.81	7.618320148	3.269235079	-2.513688046
## 505	-0.6181940877	295.05	9.716565662	-2.288417670	-10.290650499
## 506	1.3765129067	320.11	8.295787244	-5.623371645	30.743748797
## 507	0.5460933586	-284.36	21.863449387	5.245944787	-5.392845032
## 508	0.1164347736	848.12	27.113414231	1.692539293	-13.564213125
## 509	0.9220806025	115.89	28.198897376	4.571989101	-18.681781769
## 510	-0.6726125872	-1031.66	25.791556281	-6.780097165	-36.698882941
## 511	1.3875247223	1767.92	33.691054259	2.965867441	-6.459659587
## 512	-1.2563724620	729.68	-14.502875738	1.825198964	-12.712249955
## 513	-0.5620043917	311.10	3.625398378	-0.175202436	17.975753061
## 514	-1.4966451206	149.49	1.236403607	-1.962412600	-14.515475022
## 515	-2.5077280311	269.64	3.602708183	0.694917062	-24.777588399
## 516	-0.4859933748	-731.21	-20.295432053	0.410790509	10.686519449
## 517	0.5445190269	851.84	13.040306414	-4.751602074	-2.626245558
## 518	-0.1769771386	204.65	18.769151019	1.926772515	19.268569999
## 519	-0.7629253720	74.87	25.347280703	6.110633079	1.426691670
## 520	0.4125808720	258.80	19.788844018	-9.244228057	-2.862181021
## 521	0.0264680251	537.12	35.056571448	10.265568995	-15.262733955
## 522	-3.7628790564	700.13	26.693544718	-3.300412771	-22.542972153
## 523	-1.4702701454	954.79	-0.106455544	-1.296018994	-18.767593205
## 524	0.5092372274	776.29	-7.877084816	1.505691288	-11.803388864
## 525	-1.3202878555	-940.33	37.390556982	5.701616934	-27.068143317
## 526	0.3297624277	-415.05	-3.750860514	3.672551308	-19.011867423
## 527	1.0026593494	240.85	-6.294731981	-6.133641811	-20.222852347
## 528	1.6419523596	195.57	-0.005472926	5.495617237	-15.838671187
## 529	0.9690735129	-95.92	25.401567106	0.094713017	-4.614852971
## 530	-0.0091807654	-242.80	0.508399081	-1.878671353	-14.348337430
## 531	-1.1996080578	-525.57	20.423872835	-2.831771855	11.715044908
## 532	-0.4677896097	-1941.28	13.385822945	12.464056680	-12.453104190
## 533	-0.9687496808	-121.21	-9.249936004	-5.151569090	15.857758553
## 534	3.1359269728	-1946.40	1.801422574	-9.679410624	6.450005687
## 535	0.6605076598	351.42	3.333982529	0.714371297	-32.505064461
## 536	-1.0767840912	990.73	20.922867172	2.525328466	-7.260696125
## 537	1.4021425797	2052.88	19.602716876	6.169118486	12.027163891
## 538	-0.0612045984	286.82	6.514649557	9.817322751	-0.444900849
## 539	0.2006820929	752.37	32.680614758	-1.243814742	23.773646788
## 540	-2.2195152111	847.96	28.112217468	1.694077457	16.349870996
## 541	3.3849682080	1156.08	7.996816189	2.150617126	-28.376418879

## 542	-1.8932068209	1104.46	37.937440832	3.177885457	-24.664411877
## 543	-1.9681570117	-525.75	0.691112371	-12.258303986	35.856868197
## 544	-1.0211795786	-206.01	28.116145209	-1.414193955	3.618534483
## 545	-1.3299012252	966.57	48.943341265	4.734900899	19.365908692
## 546	0.7108195289	530.95	11.126638131	-2.618941407	-12.038911830
## 547	-0.6670040829	1492.05	16.245964031	5.911599199	4.691346092
## 548	4.5664029027	-696.13	22.724662621	1.264515945	-8.823951455
## 549	1.8784260126	-814.63	-5.353419118	-5.968404507	-22.489562847
## 550	-0.5133467724	-232.94	-6.181686574	10.439339200	6.045920219
## 551	2.0306369477	-430.98	21.766128175	6.218272390	-20.678152816
## 552	-0.3605728880	-835.68	-7.159578605	1.867352541	8.616647380
## 553	1.0641815706	1200.98	16.137818183	4.015878559	-8.697147355
## 554	-2.4903518530	-419.61	-8.718352895	9.464860327	-4.884152077
## 555	1.3108598141	1331.28	-0.920209000	-2.714954768	-16.137478576
## 556	1.9234919616	260.25	10.849022836	1.516951186	-4.517791977
## 557	1.6607480233	321.54	-9.409865051	9.234558631	-1.264937509
## 558	0.0256664696	1236.15	2.908456770	5.675467560	-15.551103056
## 559	-1.4747142764	-1075.47	2.430800949	5.122266359	10.506799889
## 560	0.7645175062	-1468.51	-2.599558897	5.799622341	-7.711596924
## 561	-0.9181181359	687.75	1.645797536	2.009549302	8.527620558
## 562	1.5037172501	-53.69	8.543913453	-2.591300215	-9.761793163
## 563	2.3128303791	-655.22	-0.559071235	4.138809443	-4.407445746
## 564	1.0860654159	-844.34	27.555989052	-4.082345841	-10.726241915
## 565	-0.5303105544	1005.13	27.076875881	-0.247102782	-18.988803645
## 566	0.1483487234	-298.23	8.017724225	6.839250088	-14.782664566
## 567	0.1018014293	1247.87	23.408610219	5.419918134	-23.006266647
## 568	-0.7435243999	-279.35	23.052197120	-5.257980533	-3.069956273
## 569	-0.2983296216	-716.79	-5.107806613	4.167365563	0.863667066
## 570	0.8996729779	-7.74	1.685054712	-0.699338265	-5.862589663
## 571	0.7223149119	1343.41	17.451036239	8.952919906	2.350708297
## 572	-0.9270989676	1046.78	37.413700794	4.045327746	-9.179713413
## 573	-0.3844246456	1710.49	8.175086426	3.679714339	1.128817651
## 574	1.5560746392	-2261.69	-14.122810056	-0.018288926	-5.012953920
## 575	0.1833252430	262.46	-19.182325736	8.806907168	13.418909003
## 576	0.5803137872	2027.66	18.845553250	-2.447325206	-3.571600612
## 577	0.6738018355	1345.81	-9.249915296	5.183093198	15.521869420
## 578	1.5332273296	-1042.94	-10.861114729	-7.927274841	-10.477519886
## 579	1.1154307907	1007.73	-11.840476171	1.545358818	4.626290780
## 580	-1.2106515805	1270.52	38.164335481	1.687430426	-3.069566418
## 581	0.9062371335	204.44	-8.938048661	-2.148034547	-21.647501134
## 582	-2.5035799581	-867.21	16.175425406	-1.216510684	-16.128068088
## 583	2.0360390603	486.12	15.661927543	8.430834278	23.861514368
## 584	2.4105505653	-748.93	-7.877360686	-5.708550586	7.360682028
## 585	-1.0313283543	-176.28	31.768364992	-1.295827922	-18.870667131
## 586	0.6957635204	243.89	42.071140083	1.991379362	-23.108516506
## 587	-2.3688064551	-77.24	4.183635569	2.797494878	5.884667952
## 588	-1.2580093422	-1195.86	-9.155365086	-12.329350355	-2.229127191
## 589	2.0543132656	-48.40	8.171819660	5.072704450	-31.963706449
## 590	-3.7010237604	-1139.84	-31.553928476	-1.825002704	-8.308612486
## 591	-0.1888232670	-1127.98	14.875779974	-1.672746288	-11.744152988
## 592	2.1950911985	-98.84	10.440345706	2.052909531	-6.094278994
## 593	-4.4406097045	-1998.71	-16.362422571	-5.435400739	-4.668785442
## 594	-0.2671953830	-1925.93	-17.339253319	0.767607600	-28.502206808
## 595	-2.3011016001	125.54	6.271782140	-2.534224893	16.876371109

## 596	0.4037282588	2334.02	35.437779959	-0.197633458	28.076118326
## 597	0.1724601796	402.45	-10.238667602	0.311027791	6.742709677
## 598	-3.2472736918	614.02	6.251053955	-1.627234941	-27.273234372
## 599	-2.1589388449	778.13	25.306230009	0.521854582	-12.217788854
## 600	-1.7074540085	160.50	0.016770723	6.108387127	14.694250706
## 601	-0.8560767452	-195.38	-1.596768195	5.065307793	14.614981504
## 602	-2.1795892870	1171.72	31.283421278	3.475346104	-8.219345968
## 603	-1.4210257229	1164.34	-3.712279158	-4.317020420	11.203833398
## 604	3.2989995969	-1282.93	-11.516810194	-4.178707473	-16.302757643
## 605	-0.7173990943	141.73	-1.473303497	-1.901834448	-1.620867367
## 606	0.4000259425	1726.22	27.036542494	-9.550371991	0.475670186
## 607	-3.4172641181	-442.34	23.292920642	-3.481790026	7.314376616
## 608	0.3155050718	2246.23	49.040496109	-3.016569456	-7.439573687
## 609	-0.2273970741	-25.08	17.987134520	-1.246829772	1.332754054
## 610	1.5102233671	-423.06	-16.101118898	-1.897175746	-17.515023649
## 611	-2.0416933454	-205.01	10.405610531	6.492897668	-29.304207147
## 612	0.7905686046	-625.30	-3.467633274	4.305777228	-17.843540228
## 613	-0.1209551781	606.64	16.397734187	-4.711198602	-21.110980529
## 614	-0.7276380891	-31.40	23.559405427	2.547790472	22.614632477
## 615	0.0499405782	1535.34	19.963405812	3.123535163	-8.317187603
## 616	-1.2626347916	569.40	20.706464160	-3.126899236	36.268450004
## 617	1.3117621076	-613.27	-17.661158936	10.036529518	-18.461992154
## 618	0.2712450801	177.40	-4.017740062	-2.646479133	-4.392714238
## 619	-1.4229098734	-0.81	17.340153147	-2.673284876	-20.705518312
## 620	-1.7044941256	72.82	-7.956927622	3.970271916	10.133742898
## 621	0.8433527396	985.33	16.516602706	-2.120306672	31.901515747
## 622	4.3730087794	666.90	19.143231844	-4.061390198	4.349953259
## 623	-3.1553786185	559.98	-2.959614156	-0.110918306	-15.816593229
## 624	-1.6711795666	789.97	11.550080555	-1.088587797	-6.004323708
## 625	-0.3296270570	943.26	-1.032091589	1.254288874	13.607442423
## 626	0.9244792233	809.86	11.310791128	-1.434080602	20.780825009
## 627	-0.1724481659	-234.43	5.280888715	7.013867222	-30.244210466
## 628	0.8257766401	302.68	-1.973271173	-8.579580211	5.430182735
## 629	1.1192140995	41.58	0.556269071	0.781304030	-2.446510764
## 630	0.4339081622	-2032.34	-2.168810451	7.115253091	4.727166397
## 631	2.5639405892	839.76	-0.883590965	5.855467551	7.150301239
## 632	1.2519612924	-467.52	12.148946345	5.175314500	-11.590201764
## 633	0.2544559349	-410.38	3.542479163	-0.119632626	4.328743956
## 634	0.4376890248	-386.34	4.907295651	4.787916823	2.829614958
## 635	-1.6790658392	-707.83	-14.179715791	-4.365011852	-8.632320719
## 636	1.7983492137	1782.36	0.334197292	5.589084688	0.541022226
## 637	-0.6657232547	373.37	13.895479421	-4.240601101	7.310992360
## 638	-0.3096733095	-190.20	-3.219676728	6.065216816	-9.631670807
## 639	-1.9781377187	-1150.00	12.421329492	0.448278583	14.138178911
## 640	0.0677151343	2155.92	45.267073000	-2.023351893	28.293463025
## 641	0.7125461382	2730.19	29.198723966	-0.320067534	-4.721381626
## 642	0.8361841374	208.45	8.430057025	-4.644823981	-5.819466101
## 643	-3.2517643286	340.56	34.432963214	3.334777606	-37.690353264
## 644	1.6442225545	-1755.85	4.336741851	-2.139835652	-11.035639901
## 645	-1.5120367131	1122.81	4.062540997	-1.486452289	-16.972266897
## 646	1.3246628233	-401.20	20.512128651	-1.452630308	17.680070973
## 647	0.4386555590	-319.40	-7.104951285	-6.800933615	-3.051111767
## 648	-0.8378973005	-806.09	-1.702670089	3.744450671	-3.009202244
## 649	2.4601102942	-138.13	22.545248264	-3.016546841	-2.800263884

## 650	0.8375956521	-2246.96	-26.281234925	-7.722122886	-4.062665201
## 651	-2.3521684330	725.45	9.746176834	0.655294781	-11.921750759
## 652	2.5439521637	-1329.43	3.056873379	5.652204902	-12.985272764
## 653	-2.2790477590	1049.37	39.525531406	-8.281222563	0.926296840
## 654	2.5648843897	-861.53	23.793437253	-0.742988637	-20.929793658
## 655	-0.0967544987	-697.55	-1.310171784	-4.242441261	18.764328050
## 656	2.4766818838	-1152.34	-27.657408757	3.629215472	-11.416988581
## 657	-3.1882478669	-846.47	9.353787967	-1.863435494	0.746377207
## 658	-0.6875301146	-838.34	-6.443023033	8.996413742	-14.226931709
## 659	0.1124882465	-135.23	-13.746215467	0.102247144	-27.074873035
## 660	1.2585575177	416.44	25.218144426	-0.222467059	-9.501005337
## 661	-0.4203259106	1381.08	4.401869423	0.536536513	23.362738559
## 662	-1.6026863108	-218.26	13.184738725	2.219893456	17.255570094
## 663	0.2882804680	-1839.39	-27.097212741	5.417528125	12.044466181
## 664	1.5007870959	999.85	17.712749071	-12.950864830	-1.858151302
## 665	-0.6942166324	-796.56	1.340470248	-1.981464319	4.424833914
## 666	0.8974424383	-1001.75	-18.156179610	7.184741635	7.908347329
## 667	-0.5602623142	314.04	-13.209531973	0.890660608	-10.529047631
## 668	-1.8833642849	1199.38	25.584052322	0.069126228	-14.221692840
## 669	0.0206192532	-524.86	0.159151472	-4.076089135	2.898683790
## 670	-2.7385062741	380.14	8.625118797	2.328511785	-2.580649863
## 671	0.3589206212	-856.67	-0.809440115	-4.923260895	-3.103415407
## 672	0.0398872105	-610.18	13.264911140	-2.557332269	-6.273310746
## 673	-1.5048503930	40.40	-5.029961300	-12.304902555	5.843491790
## 674	0.1921366510	262.42	6.276216210	6.388935664	-10.830897048
## 675	0.3039464705	-1274.88	-5.611210531	7.362586599	-9.643291333
## 676	-0.9332152969	-912.17	-3.712241598	-0.832568601	6.974062367
## 677	2.5446697612	-350.18	36.202189210	-1.551432713	0.652773925
## 678	0.5395511321	-81.72	8.121560275	5.707359283	-28.371806381
## 679	1.0873807391	-420.61	19.092197455	2.075621106	-5.821423688
## 680	-1.1070814385	568.24	13.962493415	-3.093046107	-10.175378342
## 681	-0.0200039089	188.52	27.585554573	-3.632593756	-19.076620163
## 682	0.1444102726	-768.94	2.092378093	-2.810879060	37.038755270
## 683	0.4575132506	1223.41	4.332619582	19.053588790	15.299339337
## 684	0.7515546854	504.37	4.781897880	0.346824632	-10.983768966
## 685	0.8572749460	-304.32	22.533167604	-9.168260153	-16.682572351
## 686	0.7300508718	-280.78	13.767150432	0.190097312	-22.006263449
## 687	-0.0069674848	-121.89	-6.522682488	-6.964538584	16.126930943
## 688	-0.9119964107	1529.95	7.335162284	-4.573218698	-1.929905876
## 689	-1.6615549518	-412.94	25.070974550	-2.699099262	-14.210228112
## 690	-2.0571134135	-587.59	-13.271913396	4.920143680	-19.294868506
## 691	-0.1420971254	-535.24	2.448639291	-0.133254370	-15.921116670
## 692	0.1225588596	338.62	44.857649126	-0.011692909	-3.681320488
## 693	-0.5365507162	719.07	11.904380218	1.440333671	-7.797634107
## 694	0.9114311081	298.60	28.322946152	-0.112937239	20.758124179
## 695	-0.7054683487	-1399.98	20.234157728	5.273878917	-24.399652364
## 696	0.1333043601	1552.04	32.263575622	-9.238907978	-25.709834448
## 697	-0.7520870190	-710.15	0.995472723	7.461932053	-34.996695268
## 698	-1.8850020470	-1682.30	-13.114467937	-3.581906880	2.414015577
## 699	-2.3485263631	-883.80	-17.376586628	1.387631961	34.586811382
## 700	2.3478602429	-612.55	-9.117035382	-5.255889740	20.749642699
## 701	0.0930149275	1261.67	17.134579788	6.132584258	-4.445019697
## 702	0.4170842749	638.49	-9.303900945	0.831174138	14.496653383
## 703	-1.2514875234	-450.48	10.450934579	-0.865094510	-0.640202577

## 704	2.0775225783	1343.91	-2.786498206	8.982297679	46.610823206
## 705	0.5494209845	-606.93	-9.206509959	-2.230923525	3.826446517
## 706	2.0430390072	-1357.77	-23.503123183	3.074649673	14.416054835
## 707	0.4589516121	-479.80	27.691926455	-1.407908484	-17.087646144
## 708	-0.5312055903	-961.70	-11.302361403	-7.302670895	22.085439919
## 709	-2.5227474690	-1113.79	-5.933650447	7.759288425	-4.663561806
## 710	0.1772519510	-1285.54	-8.790973275	-2.909098149	-12.630717524
## 711	0.3353906400	-1635.05	0.192671015	0.848847248	-4.015274925
## 712	0.4421162651	344.15	-3.048925317	-1.840376104	-13.832518964
## 713	-0.1493603281	-1062.10	-26.756954783	3.594673458	6.101236418
## 714	1.3739736375	705.04	4.631253545	11.189524586	5.478420934
## 715	-2.3384508740	-1668.68	-14.052801014	3.004506639	13.869597694
## 716	-2.0396890412	-1153.31	-14.043156052	1.709034081	27.966388924
## 717	1.7761512423	1700.05	22.619625641	3.603282081	-29.585854426
## 718	-0.5556311969	-436.78	-19.555484661	-4.519213978	-11.446135729
## 719	-0.0144247506	-692.42	-16.773328049	1.548590980	10.948000721
## 720	0.6842807002	-614.16	15.142747724	8.093349357	4.225319407
## 721	2.3003713164	517.97	3.914322184	8.801969726	15.807558158
## 722	1.3639079510	800.82	16.979609465	-7.391679147	16.272772441
## 723	-2.1416776003	-543.98	-5.805206394	3.607776630	6.413403694
## 724	2.9448501721	-903.20	-21.421031684	-0.418688593	6.030556138
## 725	1.3094504078	-686.28	-14.161632424	8.345454513	8.313452969
## 726	0.3936916063	-677.67	-5.004340490	1.687959479	-10.094950896
## 727	-0.4713062031	159.48	17.696679480	6.094826477	13.441005089
## 728	-0.0411412409	-613.73	-21.785454978	-4.905112049	-14.674039812
## 729	1.7719266298	-1553.07	-4.442786214	-3.160204040	-24.110985078
## 730	0.0765536842	-1484.45	-12.514296153	-7.841293938	19.017615918
## 731	-1.1896869438	-1279.43	0.784947249	3.351977226	15.449241910
## 732	-0.4136025068	-56.77	-14.380224217	1.116845336	7.320923736
## 733	-3.7585622912	213.03	13.611661993	6.372411229	-5.881347919
## 734	1.4188944792	202.51	-3.196035567	4.343418866	1.781621477
## 735	0.4344017518	662.87	33.670366745	-6.036978645	-23.322419058
## 736	-0.3112705449	-1028.81	-1.399009650	4.734373430	19.105344892
## 737	0.9409647680	-2424.09	-17.905239672	1.782435734	-29.151954669
## 738	-2.7558798203	662.35	12.128303023	-3.562104797	-14.200226943
## 739	-2.2137478833	-2652.09	-23.810569056	-9.882164919	-4.032016442
## 740	1.2776151082	505.95	16.721283830	5.870403652	-15.085830861
## 741	3.3335918172	-719.51	17.124555098	-0.034992143	-7.008580586
## 742	-1.6446689868	-684.26	-10.886082132	3.318197865	10.990507584
## 743	-0.5057534976	335.68	21.519066865	2.347011431	-6.028234269
## 744	-0.9254037594	1997.27	29.975280642	-5.215619074	6.286549268
## 745	1.2925486332	-2210.21	28.163650924	1.718293397	-24.502734156
## 746	1.8277564582	59.04	-4.548264555	-0.652820659	-3.003364708
## 747	2.2512039716	2418.19	25.323543544	-5.901730574	11.711883124
## 748	1.7881104253	242.93	-12.481729009	-3.227807382	7.848095535
## 749	-0.1169359046	-1798.50	5.787401023	-0.292133424	24.393633767
## 750	1.2940510829	-209.09	4.351934465	8.609535835	19.885388277
## 751	0.6077302716	-512.21	29.060657852	-3.629664369	-35.506097997
## 752	-0.4905857657	151.88	9.529920789	-4.601251431	-13.839379419
## 753	0.1334664554	-856.18	-5.599912079	-5.216939983	-9.764798816
## 754	2.1701021452	-1539.74	-6.499172872	7.863056419	-15.541032912
## 755	1.5497741054	595.64	0.384852555	0.417904135	4.570546901
## 756	2.7869462675	982.49	19.830068383	-9.913630291	6.824297538
## 757	2.4077176763	361.35	6.068732143	-0.438241180	6.930019834

## 758	1.1827657292	-1077.53	-11.129225224	-0.803574155	-16.468361264
## 759	1.8697706813	1654.41	15.571336356	1.865955663	-20.357652586
## 760	3.2942894858	-1482.07	20.665099388	2.396863083	-11.046945120
## 761	-0.6957460752	-748.85	5.651015679	-10.579499446	-11.144898981
## 762	3.2898514442	755.13	2.682342664	-1.527435433	-27.589798860
## 763	-0.0845110797	-271.14	26.048711522	6.365975679	-4.353061611
## 764	-1.9662778640	432.50	18.307867031	-4.613642904	9.464753773
## 765	-4.0053694041	-354.55	-11.288694693	-1.851032340	-28.200080713
## 766	0.8070936241	139.23	23.793905865	1.073217031	-5.258780816
## 767	-1.1472069288	-1278.89	-26.338728172	0.531126876	13.502969866
## 768	0.6417821743	-1344.02	1.950442624	3.992968483	2.623385992
## 769	3.0126162781	183.41	6.597053909	0.843213858	1.425057433
## 770	2.9870524213	885.23	-6.816640864	1.701992947	9.966315549
## 771	1.2550567470	-972.10	-25.305981199	-2.978681552	-2.453989608
## 772	-0.4480840349	576.90	25.279623659	-5.631622832	-26.774466094
## 773	-1.4774501231	-151.68	10.453151291	-4.669428081	9.248421515
## 774	0.9360801642	529.77	29.168884113	4.262435017	-2.653662130
## 775	3.5310976255	-590.99	-4.471532295	1.509629423	-29.446340779
## 776	0.4311985019	1455.53	28.685157329	1.846299510	-13.209825076
## 777	1.3760474628	-197.17	19.553876167	-0.227460321	-7.081085275
## 778	-0.4518590907	327.72	2.509151769	0.586531310	-34.692924952
## 779	-3.0068049008	887.09	24.449381783	-3.976121731	-2.506977118
## 780	-0.9968714841	-352.47	-19.640958180	4.768413258	5.906272014
## 781	0.9651417803	1334.35	16.760974732	-2.607534473	-21.494127180
## 782	0.5424523995	992.20	13.679617677	-7.946316035	-34.998138991
## 783	-2.4310244165	-1446.75	-42.658603071	-2.601326794	40.563715993
## 784	-1.2541109748	-608.40	9.107098286	2.932750540	-7.365567469
## 785	-0.3234834728	976.37	11.003693304	9.891531175	-35.145342589
## 786	3.9316842982	-1019.09	-22.068446996	-6.092368461	-12.847809508
## 787	2.0624858188	-502.98	-11.789872354	-1.613049287	18.440266971
## 788	-0.0522979041	-319.89	4.104245923	-3.098764263	5.723955963
## 789	0.8839187034	-383.10	3.197174584	-0.570715928	-10.219170515
## 790	-1.4143407195	916.85	5.391005854	3.036540803	-8.887354899
## 791	0.1222185372	713.61	12.555264576	-9.453050778	-19.417106274
## 792	-1.7294090953	817.75	22.936219131	-3.234064577	-23.407057498
## 793	0.6778294078	-1200.73	-8.430971724	7.606958238	-15.967224033
## 794	1.2189261161	2.85	9.692553169	-3.840558086	-4.222083364
## 795	-0.2284965336	-94.33	-0.599251666	3.242131545	-29.114805227
## 796	-1.7758164106	758.13	4.509075331	1.994520756	-17.245001746
## 797	1.5434721518	620.19	19.921172600	2.389972399	-5.202112366
## 798	2.4992819211	-309.52	-16.697641895	-8.381969325	5.289013036
## 799	1.0716667782	-787.94	-20.559768856	1.543189126	-8.083957690
## 800	-3.9082993348	-967.66	28.993717631	-4.359877105	-6.589281593
## 801	1.4299594807	-1333.18	-23.085564847	-5.133946651	-3.098602712
## 802	1.6943116333	-388.00	-2.887866996	10.072123403	10.838864403
## 803	1.9095075373	402.51	19.140890605	-2.470785287	7.011338089
## 804	-1.6816952463	969.12	33.365072948	-6.457934866	-12.257497549
## 805	-1.0810403576	-78.90	20.727836585	-6.713038615	-20.458313746
## 806	-0.5878017841	1110.70	33.703243038	3.180750812	-13.515277922
## 807	0.4308159415	-284.89	-23.628617275	-2.602723758	18.023939328
## 808	-1.6777793657	-113.90	-1.586122903	-5.554531679	-13.188319627
## 809	-0.7942898605	1296.65	-23.502879810	5.372167872	21.756698271
## 810	2.0165060192	2632.97	33.772165571	-5.505764320	-1.774005559
## 811	2.8466132988	-169.37	-0.029311711	-4.165184782	21.876177349

## 812	-0.2996600885	1037.13	15.266295085	-2.363073242	13.529673803
## 813	-1.5746838779	351.38	19.873684020	9.209704447	-9.750033501
## 814	0.5238751468	-615.03	5.470272635	1.086998191	-25.391888742
## 815	-2.5873620254	-66.22	28.771212260	2.511053296	-17.301634415
## 816	1.0651521838	-791.50	17.940114912	-1.236401984	-5.921871333
## 817	0.1457589604	202.20	0.651546699	-7.212526050	18.108426991
## 818	3.0626151946	808.21	28.539868589	-5.371849205	16.290455334
## 819	-0.7740871222	-372.64	-1.489027945	-6.541721178	26.563050606
## 820	1.7233155541	606.64	2.798487722	-1.623197634	20.433338387
## 821	1.5108373235	798.75	17.948316530	1.520132004	1.034624535
## 822	-2.8381123966	631.47	4.607247005	-4.002672148	-2.368005464
## 823	1.4810456603	-2.74	-11.795534967	4.308339662	2.856131093
## 824	-1.1569778367	-1291.58	-32.771873413	-3.393245504	-0.696744850
## 825	2.1134667675	-34.17	9.581589877	-1.878160221	-23.233802919
## 826	-2.3444856526	65.95	-5.803773378	-5.527476562	-32.790250298
## 827	-0.4038306744	24.74	-0.171189346	0.014620684	-10.210234720
## 828	-0.1412012269	416.27	32.545181155	-2.219143206	-29.507860649
## 829	1.0810033500	-588.35	-0.279213865	2.279246834	1.355027483
## 830	0.2867523771	-2512.04	-8.532880973	-2.732112340	-0.822219974
## 831	-3.2844303140	911.43	4.485585382	4.663181953	-21.954421257
## 832	0.8150610677	104.51	17.015384810	3.780127608	4.479525370
## 833	3.1300119773	1676.14	33.522813435	-2.303066106	0.300296470
## 834	2.9039450628	-1246.72	-1.356805234	4.732546146	-3.892071343
## 835	1.0609265780	3205.42	16.755417845	1.637755931	-10.983612233
## 836	-3.9003183340	-830.05	-5.877212674	-4.705312315	25.354515149
## 837	0.2062500517	-1032.75	-14.624939476	3.227708108	-18.690105245
## 838	-0.5888785032	-2110.97	-27.560731954	3.859879065	14.110239902
## 839	0.0645655389	-365.63	-15.807791081	-1.413339473	-9.128307133
## 840	-1.6341534269	-2126.27	8.920025621	-9.617528409	-6.425897121
## 841	0.1217119895	-1896.88	-2.683397005	-0.113470152	-2.112169266
## 842	0.3999877250	235.32	-4.442933057	-3.772008158	16.952963423
## 843	-1.9287452425	-294.44	33.843914310	-1.206985824	-0.777583143
## 844	0.2739312514	-478.98	-6.312488147	3.481187437	-14.458288762
## 845	-3.1445161213	-919.67	-4.121217253	-3.937277281	3.778894916
## 846	-0.5344265031	-1186.91	22.797358903	-0.637588650	-9.052529946
## 847	-2.3115887918	1830.16	40.386749675	6.847361536	-2.593758976
## 848	0.5039344236	-1665.24	-28.266470684	0.087731085	-32.180080569
## 849	0.6527351215	1023.11	35.039008501	3.751711234	-14.525344017
## 850	-2.4923325857	1306.19	51.722986762	-5.171799777	-21.549845349
## 851	-2.6781281908	-981.83	-5.780833146	1.966854104	-20.303050013
## 852	0.4851956306	797.45	15.511343521	-6.952626995	23.952267962
## 853	0.0706858185	1225.81	44.632111467	5.593337690	-9.168040630
## 854	2.2618966312	1711.67	13.346273094	4.117416757	17.505098779
## 855	-0.7152280830	2522.74	22.985264881	1.802309076	26.401466003
## 856	-1.2561919399	588.36	34.814125873	5.502190585	-13.609810925
## 857	0.8584300201	462.67	30.602614060	7.806667233	-2.377965870
## 858	-0.0323667046	-710.65	3.582880932	-2.354566863	2.040750536
## 859	0.7894006079	2600.33	21.419607826	3.375142838	0.759562840
## 860	1.0427122220	-473.99	23.032374535	-1.088710882	-22.425506966
## 861	-0.4938475016	-835.98	-7.113493767	5.662045784	-3.873585611
## 862	3.1643074519	-11.18	-7.519027032	-0.596699189	1.216765252
## 863	1.7205856707	-70.65	-20.673815106	-6.501098908	28.155440616
## 864	-0.5840561209	-730.80	-9.589630950	-5.016579881	2.929794820
## 865	2.0063111563	896.01	5.955686308	3.374520860	14.337788877

## 866	-1.0006650953	-235.04	4.167340909	0.247767075	18.550153561
## 867	1.2010793021	1657.09	16.259802689	-0.238182630	4.081033855
## 868	0.6059903381	593.82	8.090102913	-4.216690439	-3.369849549
## 869	-1.5627699015	993.13	31.749663936	2.803314219	19.763650740
## 870	-1.1177120256	-1867.97	-28.857592528	1.177643501	-6.064486331
## 871	0.9043365375	280.03	-11.561534109	-0.872393544	3.948439100
## 872	0.7959998287	-156.43	-5.363050489	1.423279893	5.005085297
## 873	-2.6114142983	-842.70	3.541594856	0.536141062	25.405359596
## 874	-2.1089332259	775.86	46.151333558	9.716070679	-32.139865927
## 875	1.1406113916	-284.20	15.815122752	-9.213288308	-3.243113959
## 876	-0.6782042747	331.81	10.605164676	-8.277832777	-8.226065829
## 877	-1.2051012618	-2135.57	-6.866430243	-0.973448362	-16.853836362
## 878	-0.6727873735	248.50	0.559649427	-3.642230103	21.366720837
## 879	0.8183171742	254.56	10.411907788	-0.693722882	10.913490550
## 880	2.2508720154	-596.29	28.670225463	1.455865896	10.288692905
## 881	-1.7531213095	-399.43	16.354279359	-1.076899020	15.222874663
## 882	-0.1191431275	-1314.31	-7.038039354	0.387344147	14.347741494
## 883	1.1078962525	200.87	4.583700991	-3.832898878	6.191747797
## 884	2.0231359510	-978.36	-3.568921471	-8.508862793	-15.117779732
## 885	0.7289127713	412.65	5.799313159	-3.157309161	10.360499540
## 886	2.5655556867	-1161.67	-21.656920540	5.048900514	-33.640817576
## 887	-1.2819590275	-1485.73	2.862767344	-3.537722212	-26.958022731
## 888	0.4882979547	-1008.76	-14.767270063	-2.318690280	-12.061432105
## 889	2.5100856244	-1081.79	-12.481458096	5.901565330	-21.943727118
## 890	0.1658610643	569.97	33.460592705	-0.447460333	-1.238375049
## 891	-0.1828408111	735.69	10.378814328	-4.688448321	4.551871736
## 892	-0.8000816141	-1404.48	-22.598367227	-4.844247469	10.073396564
## 893	0.9219871128	-1207.58	-14.548517031	-3.432037830	-4.629231935
## 894	0.6902076589	-1224.30	7.605307507	4.059196846	6.185308370
## 895	-1.4438451032	-114.68	6.437836220	4.854894951	-5.668524161
## 896	2.0592250540	1058.45	9.378250470	-0.902982407	-24.603756969
## 897	-1.8645490184	-1160.42	19.794820881	-2.557659251	2.872053212
## 898	-3.4531197766	272.91	-46.654570231	-9.330699747	4.630986287
## 899	0.9658058633	-387.34	-0.258247424	-2.954434008	-3.938741290
## 900	1.1030244703	79.10	-8.449688250	-3.103925827	21.945986002
## 901	0.8689125892	897.75	-1.926556561	8.801864123	13.208722624
## 902	1.6155509647	-956.32	-8.481136413	2.110797710	-3.689995714
## 903	0.3260366445	1049.68	9.118829867	0.133037840	-17.911969434
## 904	-0.1102400140	-1000.07	-11.994912523	-3.313762019	-12.042972447
## 905	0.7182792207	639.86	8.883147416	-4.700253249	-0.776179306
## 906	-3.0954001808	1338.41	9.424296257	-5.458434645	20.031843675
## 907	-1.9520608749	-762.69	-26.109362933	-7.810395395	14.684798410
## 908	0.5498795083	759.53	2.137650582	-10.274229815	1.511121636
## 909	-0.1416840517	-1064.10	16.924589563	5.650280347	-7.225176629
## 910	0.1426426884	1459.90	39.818996487	-12.278916165	22.519372747
## 911	0.1884551994	2033.42	29.828942591	-0.164809683	16.572707424
## 912	1.4117612249	-305.87	9.296138544	5.564937739	35.249913845
## 913	1.8376907911	-56.66	3.067327771	1.895096444	-15.800563051
## 914	0.3937158135	953.76	6.498278957	-7.061530836	12.043443480
## 915	-2.5960177899	1225.70	26.497661267	4.856559250	4.820312141
## 916	-0.5784847039	783.16	25.351768856	2.023248538	14.607646519
## 917	0.4878950275	1561.81	24.440275717	7.564616173	2.043544989
## 918	-0.6574764060	991.15	8.460306927	-0.381589743	-8.628375335
## 919	0.9359801407	-745.03	-4.768374184	-1.846916700	18.869318605

## 920	-2.0801591677	754.42	-6.111933689	3.717500077	-9.769806248
## 921	-0.3668778603	-862.10	5.413059167	-0.882673364	-13.982498424
## 922	0.8439973623	-2258.90	-27.736601880	1.914102504	-12.169162616
## 923	2.0036595777	-217.84	26.691619510	7.707447082	-10.978505153
## 924	-0.2825711963	89.03	0.559042668	-6.955518490	12.821349083
## 925	0.2887583041	417.29	3.528845563	-3.188835250	-17.157646784
## 926	-1.5854976218	-1950.93	-25.780825694	-9.458673564	24.569878445
## 927	0.1059336748	1684.35	41.573406691	-2.116311780	-26.814115587
## 928	-0.1539141648	-955.46	-19.444730293	0.431869585	15.210065083
## 929	-0.2163964216	-57.56	9.612695813	-0.611643678	-9.311150995
## 930	-0.2651514245	-392.32	1.627372455	-2.017042915	-18.987518223
## 931	-1.1992277563	205.51	2.717867208	-2.151521507	-16.798820125
## 932	-2.3335932545	1680.83	29.689516405	2.252969617	-5.265827633
## 933	-0.0220750086	759.82	28.002249925	0.252958138	-9.163941889
## 934	-2.4594964405	-327.71	-19.152783819	-2.898881780	5.266576577
## 935	2.8637134588	1642.55	23.388133189	6.362605657	7.865040243
## 936	2.6021514217	1100.92	14.967351067	6.048680622	-32.798024473
## 937	0.5010208402	-556.06	23.130044062	-2.596032690	8.530300423
## 938	0.2136256814	-970.50	-14.094389618	-0.104792560	-29.700114181
## 939	-0.5634589108	1322.99	13.061543408	-0.838178294	-12.768541024
## 940	-1.2053578859	63.49	-1.868865975	6.268440699	18.543163632
## 941	0.4549770671	749.82	-2.907615176	-6.809436072	9.709667127
## 942	-1.3384008035	2094.99	0.313534682	1.492486703	20.389786111
## 943	0.9530487663	-204.58	-3.780618089	-2.028948852	-11.748801643
## 944	0.9549302257	1132.51	29.640053926	3.695003580	-21.735997715
## 945	-0.2582016166	-338.15	26.413163869	0.863398220	-13.202738088
## 946	-1.8550207804	-287.38	-17.075888783	-10.934696290	-5.335975868
## 947	-3.4257216422	77.25	19.579443923	-9.411035771	-27.360919147
## 948	2.3141638144	788.80	36.963504141	0.265761917	-13.665645925
## 949	-0.7269874729	-832.26	-13.245069832	-4.969560399	-24.529875015
## 950	2.6695599172	-105.73	-0.031805384	4.847853045	24.840897506
## 951	-0.8072885344	-906.78	6.453957497	6.111536724	-19.628629561
## 952	0.5238861391	-284.53	6.549162368	-6.648212871	-3.732691913
## 953	-1.8951094274	67.13	-7.829814743	-3.390475755	14.537407629
## 954	2.7979577213	1148.89	24.591738216	0.613016745	2.837725939
## 955	1.9000332366	407.69	22.358018573	-7.386699008	9.773352447
## 956	-3.6985695182	-393.84	30.255130096	2.511994870	-10.336637511
## 957	-1.3222174718	755.09	9.188294120	-3.283034105	-5.157879133
## 958	2.4949482894	337.09	30.208812432	0.392983492	-39.684856023
## 959	-1.3369974299	-131.63	10.489107746	5.679168321	19.734434141
## 960	0.1967942936	377.57	12.786943703	5.040122836	8.947163571
## 961	0.4582468370	-848.67	-34.871206042	-8.645362180	27.427372177
## 962	-0.6303619043	-97.70	-7.870757989	0.798491420	18.597545057
## 963	-2.2292609863	-184.95	6.739360459	-0.598295929	34.002677232
## 964	1.3245108570	-522.71	22.275493094	1.033230463	-12.276792894
## 965	0.4426611324	1438.88	17.383029546	1.591556386	-34.962808057
## 966	-0.3926648600	-2357.34	2.270285869	-2.314761829	-22.714469909
## 967	-0.7263019429	150.62	-9.975931308	2.249002271	11.899914139
## 968	-1.3278279554	1433.52	7.819068534	-5.656083760	-17.624223502
## 969	0.1665829793	-816.44	4.689386197	3.148656442	-29.846324558
## 970	0.3603894693	-834.41	-17.377456277	5.622549455	13.574728268
## 971	-0.3210891548	-223.43	22.772276227	-11.178161320	-25.236961065
## 972	-1.3735801415	107.63	-0.920875146	-0.934774529	2.657490603
## 973	-1.2236757659	2183.33	45.600633328	0.774110009	6.817949605

## 974	-2.1092207742	231.63	9.236273968	-3.766343837	15.711455188
## 975	0.0997429981	-1197.32	1.221995520	5.390976936	-12.399868670
## 976	3.5586019309	523.61	12.778244188	1.797295221	-15.261578339
## 977	1.1605925043	-586.17	-6.136979002	-12.382732996	-22.643803707
## 978	-0.1365871542	609.53	6.346737721	2.628305621	1.302354776
## 979	0.8703949858	-334.02	13.493480553	-0.074084107	-5.685850698
## 980	1.0005971965	-475.90	5.979660693	8.053090470	-11.070314792
## 981	-0.5316524209	339.72	21.372847539	2.919816646	-20.868178715
## 982	-1.1662153341	-1275.38	7.998110503	-6.688454509	20.075051733
## 983	-1.7874818085	-1193.71	20.024205217	5.239682471	9.012860428
## 984	-0.2228750850	415.14	8.553945579	0.216427504	-0.961127958
## 985	0.4955438195	-731.71	17.323257754	-2.632726992	-19.188598551
## 986	1.9783818748	9.62	-3.586968742	6.416401148	7.783931648
## 987	1.0586933241	386.15	10.931487505	-8.161981197	-2.174399302
## 988	-0.1466921661	-1711.59	22.869838376	0.769248592	-23.173555584
## 989	1.3694761512	-178.86	15.500364229	-0.203542532	-29.588396227
## 990	1.9640031934	-188.89	-14.391316574	-2.103908541	12.666503597
## 991	-1.9918758629	1562.94	25.860897744	9.864643894	-1.090837120
## 992	-4.4024891660	-819.04	-3.385947811	-7.435745353	-10.982700193
## 993	-1.7219027525	-804.61	19.559877157	-7.244695053	-49.391544343
## 994	1.9487832334	-1012.64	-0.324829968	-1.958477432	-7.109917110
## 995	2.9919343655	1200.75	30.920004899	0.762109593	2.360047485
## 996	-2.8164826336	1079.44	14.686860118	-8.075641541	-4.936553202
## 997	-1.1778748671	269.26	-1.645780071	2.000468618	12.697575537
## 998	-0.2608949030	-698.43	23.059605288	1.261969407	-4.995203286
## 999	-0.7998867155	278.22	2.119905471	4.589461283	-2.703208436
## 1000	-0.2241027926	196.71	6.984085790	-3.151369017	16.705723371
## 1001	-1.6482395526	193.65	-2.261744003	-7.267616046	15.842252744
## 1002	-0.0573027170	1418.55	22.643964799	7.475387530	-20.911779731
## 1003	-1.3702241772	-1483.04	-4.072140844	-0.162707904	9.919665377
## 1004	0.0704044570	535.29	24.802264171	1.322264264	-16.576916621
## 1005	-2.2809062222	-668.08	-7.921499691	-0.082747387	4.768963375
## 1006	2.6950844548	428.94	-10.652726013	4.348893990	-0.473248061
## 1007	-0.4566296206	-364.47	8.579311369	0.703088302	-16.986755971
## 1008	-1.4805050676	584.56	4.016123886	-3.791682558	9.549787927
## 1009	-2.1142458367	-829.54	-13.295316565	0.224873598	1.100347051
## 1010	-0.4158741050	745.74	7.124269816	3.629162079	-7.847290738
## 1011	-0.2686707574	456.64	-1.171041391	6.075126376	8.881829961
## 1012	0.3812325183	-692.52	10.545534644	0.528235166	-2.215706813
## 1013	3.2724184441	-1023.63	-20.588977184	-4.009310127	20.234076494
## 1014	2.4331376030	245.71	6.216510577	-0.744751335	25.467174651
## 1015	-0.0288250127	2206.96	31.276423083	-11.195687373	-11.791098583
## 1016	-2.7264067442	-151.96	6.855859171	-10.778986353	13.237170882
## 1017	-2.3128188873	592.76	17.862567691	-10.312771073	-17.008966147
## 1018	-2.0941377520	-893.68	-8.933488759	-4.261309702	-24.782225468
## 1019	1.8553126478	-92.89	3.335484348	-2.015522073	51.644603769
## 1020	0.4873578670	1187.23	10.632544244	4.254941294	-12.068650598
## 1021	0.2200559325	-1244.71	35.394036161	-4.066896891	-35.644620913
## 1022	2.5764424032	-424.85	24.583593789	2.108087081	-6.201853482
## 1023	-1.0669190329	297.52	19.325644618	6.665096035	0.952846307
## 1024	1.6295526145	1312.90	26.304250258	10.240826071	3.229133597
## 1025	-1.3152436749	224.97	15.287199842	2.127284339	4.881057634
## 1026	-0.2337590801	571.44	2.631811448	-0.850831081	46.580854003
## 1027	0.3872858265	-531.50	15.633202633	1.534051091	-26.003514335

## 1028	0.1711207695	-1249.97	17.512031408	9.257774742	-5.856193255
## 1029	-0.7376276675	-558.28	33.565671862	-1.706801603	-24.751778056
## 1030	-1.1814815736	-216.28	-6.414537553	8.193905237	4.428731237
## 1031	-2.3381072041	463.62	16.979762133	-4.763953746	9.502287459
## 1032	2.3520395228	-129.75	8.181606316	-2.675827005	-20.248108625
## 1033	0.4998674742	-523.25	-14.050637965	-9.969421490	-9.566110408
## 1034	1.3720841866	2052.54	41.329127015	6.892567375	0.893319877
## 1035	2.6815777098	466.17	40.979689610	7.918815105	4.544347432
## 1036	0.0117932824	414.44	18.066940271	0.177827940	-3.027834996
## 1037	-1.4453898238	797.47	16.390912610	4.034844948	23.609097864
## 1038	-0.3166344191	-612.13	-20.821403877	2.301000535	-20.569846562
## 1039	-0.8662846749	-1343.04	14.788014130	7.331295477	-15.801860366
## 1040	0.6259435539	-2629.96	-34.829440134	0.737249746	4.111353905
## 1041	-2.4570146222	1574.65	40.041351635	-0.861687831	14.985285009
## 1042	2.0776447123	-868.79	0.923131803	-12.026920596	9.114812222
## 1043	-0.5945538964	-55.32	8.323683904	2.557054703	27.228630756
## 1044	2.6853937285	-1262.54	-0.870480525	-1.903243593	1.722379334
## 1045	-1.0963673292	848.33	2.793847013	-2.104900591	-7.459401128
## 1046	-3.0150064842	-33.38	7.227278397	-1.931924539	6.000051376
## 1047	-0.4509449354	-1291.51	11.415943589	-1.618635629	-22.053688978
## 1048	2.1045801888	-1206.86	9.281369418	3.463459548	-7.260295320
## 1049	-1.4760585670	-1411.55	2.048128884	0.904348472	-9.236113438
## 1050	2.3403735774	-1448.41	-2.794071238	0.125471507	15.997830410
## 1051	-0.6406567450	1151.70	27.785568199	5.663392660	5.308471959
## 1052	-1.0724311853	-889.80	-13.928625461	-5.511466790	10.030161907
## 1053	0.8098137801	-229.80	22.147267191	-7.113469705	-4.439492473
## 1054	0.8488595018	-1190.82	-8.971981790	-5.954069435	1.382977226
## 1055	0.2187516528	-1210.88	5.272739677	-8.435789063	-2.600150069
## 1056	-1.9515144184	345.25	21.665027117	0.767012415	29.453998277
## 1057	1.9998528867	1602.63	27.346132631	-3.837090793	-2.832768668
## 1058	2.0222382608	219.87	-12.212142443	8.419187990	-16.905223701
## 1059	0.6551617159	-1070.63	25.899233233	-6.519788291	-26.440169792
## 1060	-0.5165599252	-1112.01	4.486044761	2.389684426	1.436091489
## 1061	-0.2886891671	-339.67	1.395243991	1.942396266	-13.235866789
## 1062	3.6698590920	327.68	8.051147984	-1.444449175	11.448099028
## 1063	0.7726593334	-830.89	-5.755919595	2.753761998	-13.425459960
## 1064	0.7682615332	-167.29	4.529113308	2.494675395	-10.539890862
## 1065	-0.6817066215	-486.79	36.416935503	0.325750222	-31.886274474
## 1066	-1.2274661756	-649.95	-10.330707436	3.221338598	4.462310428
## 1067	-1.9406237924	-2400.09	-17.677496588	-7.358395572	14.647581479
## 1068	0.0836477036	-358.51	-30.549508418	1.691768634	17.515497160
## 1069	-1.7577785011	-46.27	-8.886790608	6.927609436	8.587040042
## 1070	0.9098804863	-415.46	22.642006589	6.188288707	-14.407142825
## 1071	1.7778145709	3472.65	23.688392244	8.479622053	-15.827299983
## 1072	-0.7807672118	-1507.07	6.028067495	-5.507012858	-10.966844611
## 1073	-1.4008465022	84.01	24.083232819	-2.440260660	-15.148653410
## 1074	-0.4274180862	601.13	3.386602394	-1.111105776	17.759983931
## 1075	-0.5230411762	952.37	7.980511643	-8.681083515	-7.545782581
## 1076	0.5439829036	649.34	13.459625606	-0.226156799	19.437375286
## 1077	0.2198990896	16.17	-5.523229654	5.411118946	-22.598806993
## 1078	-0.9117106623	614.54	31.257390797	2.660736889	-11.777800115
## 1079	-1.0689426645	-1279.06	-5.494194414	6.302439400	2.443050419
## 1080	1.2995153815	681.47	3.457270419	-3.915428782	9.555230764
## 1081	1.9729926127	516.88	0.123793416	-6.150746317	22.330673132

## 1082	0.1258273978	-77.76	-4.373049618	-0.267919851	-10.641384663
## 1083	-0.9912343925	2066.48	10.300614502	0.640577136	-22.143020099
## 1084	-0.7368609232	205.86	30.427081679	2.176101845	-30.944456802
## 1085	-1.2536082257	214.32	8.272370232	-3.793584538	-0.764532545
## 1086	-0.1585479976	1405.49	10.264755312	1.074934125	-22.291776585
## 1087	0.8095225935	642.67	13.990816396	3.649104897	-5.299667958
## 1088	-2.0778724063	-119.45	1.899013150	-1.969419799	-5.758892020
## 1089	1.5534103500	68.02	-5.396784083	-3.528022570	-9.006269068
## 1090	-1.2855760435	-1049.23	3.910245102	0.503265436	25.284231401
## 1091	2.4132049194	-1456.94	-0.087770375	2.595249589	-3.996064464
## 1092	0.8987477571	491.52	22.315021688	-5.516607248	-25.682885292
## 1093	0.0807103481	-1980.40	10.481088172	3.822314897	12.789369109
## 1094	1.5677282934	1984.44	20.363394005	2.881915501	-31.874239575
## 1095	0.5084168402	-1015.00	-15.086524799	2.846700143	9.920779497
## 1096	-1.5507620978	1562.32	16.291347092	4.332210719	30.461015123
## 1097	0.2238559139	-933.76	-7.853822098	4.141121508	3.411320332
## 1098	1.8521519341	-1428.66	-9.087664669	1.995566601	-25.961798076
## 1099	3.1814408400	-1232.30	2.170065191	7.723944250	-9.753181412
## 1100	-0.9552202341	-580.12	13.227135749	1.128107524	-2.479691149
## 1101	-1.6439647062	-710.44	-0.258724918	8.393787719	1.907181285
## 1102	-1.6974922916	2146.41	24.398438269	-11.420407562	14.458806952
## 1103	-2.7165843888	1140.15	14.035194298	6.898693550	0.143337338
## 1104	-0.5974328901	-453.74	7.306469171	-1.687370483	1.932455170
## 1105	-2.7294670486	67.12	5.009313452	2.788283039	5.070320907
## 1106	0.5142793978	1740.07	43.226360283	-0.790479427	-41.140504928
## 1107	1.0832315310	-796.14	25.524046706	5.317728486	-22.143924900
## 1108	-0.9398074385	308.04	10.624280375	-1.232640568	11.219364804
## 1109	1.6789231481	-1063.82	3.342320319	2.222092088	-17.920563137
## 1110	3.7011464337	-421.29	-6.849194039	-8.412151953	-20.037164933
## 1111	-0.8684117548	789.92	25.218128111	-4.408519431	1.174041634
## 1112	-2.2071803174	562.00	18.418489725	1.245204465	-14.759360218
## 1113	-0.3966938288	-1239.87	-15.803508203	-3.797667684	1.672712107
## 1114	-1.2230252610	-122.96	-1.971048129	-3.247792894	19.194558317
## 1115	-2.8803433703	1046.00	20.633945480	-1.282733853	21.942388426
## 1116	3.0241045660	797.34	23.032147171	-2.298540144	-6.966498495
## 1117	0.2211181219	1415.30	18.654764815	-3.349545009	67.039131215
## 1118	1.0179132758	78.52	-2.593700269	-6.594340132	-25.952682070
## 1119	0.5851829303	-215.95	-14.871172483	5.960506308	14.334761550
## 1120	-3.0998153346	804.08	30.273116559	-5.713592213	-23.580408860
## 1121	-4.2742022108	481.54	18.534990800	9.940480894	0.729875190
## 1122	-0.8603974799	-46.66	-4.245253699	-4.338438815	17.127209585
## 1123	0.7762836351	-332.23	15.615324590	-6.702878785	-29.983993601
## 1124	0.1716759879	-1358.22	31.233797110	3.790939001	-7.334035363
## 1125	0.2764362209	419.62	22.571336794	2.925056605	-50.121697554
## 1126	-0.3385459815	-1879.41	-5.146739806	10.120339462	-0.586040926
## 1127	-0.6566438936	-377.19	-0.014259696	-1.241620427	18.797822442
## 1128	1.3623201060	1218.83	15.818670366	3.052937684	24.189352418
## 1129	-0.6277360917	-570.05	-2.878292712	-2.121558935	-34.020751591
## 1130	-0.1914421243	179.37	13.979946047	-2.308284171	6.615980929
## 1131	1.6779190587	-543.16	23.205785481	-1.952852483	-23.100593994
## 1132	1.4461863143	-137.13	13.445221463	0.141092681	-10.132483958
## 1133	-1.3251827953	1348.98	-6.191621749	2.625883105	13.513708585
## 1134	-1.7146473637	1793.90	35.357639728	0.269959053	-20.589892416
## 1135	-1.0743262324	-90.38	23.862587638	1.226106769	-31.866099640

## 1136	-0.2189049969	247.90	17.354900254	4.636526170	22.989136336
## 1137	0.4354438908	-972.61	6.779426810	-2.200818196	7.356477177
## 1138	3.3446782648	-1005.38	34.720368008	-2.471703439	30.478127347
## 1139	1.5195758214	912.72	18.046933552	-0.827276121	-0.636472939
## 1140	-1.9210117933	-794.94	-3.444364996	3.342924167	-29.843339613
## 1141	-2.2586047789	-308.54	14.554243891	-2.926069537	-39.384764193
## 1142	0.0922723116	960.57	13.532298461	2.749029377	44.972644895
## 1143	-1.0214580206	-355.04	-13.827565530	5.678367658	30.651789237
## 1144	0.2212610446	1388.46	20.393810057	11.720545072	-0.496251161
## 1145	-0.2395252742	-366.93	11.580194644	-3.298781806	-21.445499495
## 1146	0.7243256507	-188.72	20.233660832	1.457987206	-3.881870887
## 1147	-2.1499035647	-1142.44	-35.327151588	5.598413601	5.602401510
## 1148	0.5769120392	1099.99	1.561459318	1.681766819	16.956962095
## 1149	-0.7792667969	1323.21	13.529541850	-1.586170573	-29.966585301
## 1150	0.8295914704	335.74	20.492764457	2.922231194	-9.922834620
## 1151	-0.8205410031	315.65	34.809247670	11.721206747	-19.871261736
## 1152	1.7617430487	992.74	-0.623686121	12.004084669	-5.159133665
## 1153	1.8182925144	-2142.82	-30.723849437	-4.226254554	-7.915003307
## 1154	1.4585258093	204.95	7.603704843	6.098513660	-7.110363549
## 1155	1.3498055602	-199.00	2.140192662	1.165541470	-4.054212030
## 1156	-0.5648766043	165.02	47.488118612	8.645355652	-5.494000179
## 1157	-0.4942469455	196.28	8.691425101	1.064267907	-8.564855374
## 1158	-2.4432935987	546.45	10.486994904	-4.563614773	-3.790724481
## 1159	0.5258620115	1148.41	20.994960380	-2.822078557	-17.580167806
## 1160	-0.1393496374	-716.14	30.657897949	-0.094472743	5.286897713
## 1161	-1.3488411711	226.25	3.396225037	-1.799720105	5.831833143
## 1162	1.3088404563	1124.15	0.527191151	-4.735073457	-8.657214339
## 1163	3.6140220905	-956.70	14.420022534	-3.664322252	-3.134774137
## 1164	-1.2085829720	337.43	26.789377301	-3.851815554	-23.309002711
## 1165	-0.6228698701	-1165.35	0.700500354	-10.361905481	4.318297420
## 1166	0.2417057072	-884.40	-7.854789083	-14.892878331	7.665101485
## 1167	-0.6491973884	44.55	-5.732653259	-0.107806122	-11.447361235
## 1168	-1.4925849858	-70.24	-10.093948988	2.530623062	16.118534506
## 1169	-2.1788570572	-653.94	-16.087754700	-3.046908882	34.376230588
## 1170	-0.5316676959	-1456.35	-5.370670234	-2.456503955	14.212817696
## 1171	0.3271631493	-470.67	3.531454658	-6.722933206	-2.479387901
## 1172	0.7409079341	-1765.47	15.947338171	0.315991799	-42.818083883
## 1173	1.0309518714	1053.01	19.800121079	-6.647903724	-9.695837505
## 1174	-1.1031819151	-134.66	28.566587497	2.292290896	-25.391539232
## 1175	1.0092331675	784.52	15.533263545	3.029412986	2.179086873
## 1176	2.8768492313	621.18	-7.335859247	-0.254424261	-5.579777142
## 1177	-2.2165001697	-415.32	8.473780568	5.128565209	-5.386266606
## 1178	-0.5699751391	-135.10	2.220515920	2.242813932	-5.949559081
## 1179	-1.1653668414	82.12	25.942267960	0.928121820	-2.901647873
## 1180	-1.8591827324	1764.81	32.420891981	0.901453467	15.286008230
## 1181	2.5429513021	-383.31	-12.955419053	3.144591521	-0.443629163
## 1182	0.8992154960	301.00	5.359075977	1.295904431	21.249897881
## 1183	2.3935917152	-616.20	-3.549199747	-1.784507719	-0.437516899
## 1184	0.7509048625	-504.13	-10.620024012	-4.257573347	-18.683557627
## 1185	2.6315198086	-705.55	-9.945829394	-0.161360244	-30.632570384
## 1186	1.7560394324	1178.22	-7.056721251	-3.119325353	4.889648059
## 1187	-0.0325890926	-1568.42	21.016718274	-5.659665403	-22.977942469
## 1188	-0.1630062106	148.95	-2.989691188	2.755073041	27.734030222
## 1189	2.1402914193	2547.89	26.148965134	11.345460872	37.963390449

## 1190	-5.6846814624	250.34	23.664136493	9.560448045	-12.317346148
## 1191	0.9596490515	1135.77	-7.986284454	-0.613511667	-13.106355361
## 1192	0.0687711398	49.74	18.334020025	2.531133185	-18.562705934
## 1193	1.5809422538	1055.23	-7.119920661	-0.942283271	28.435375508
## 1194	0.6883827474	2447.84	21.619204483	-3.129314139	-3.649129142
## 1195	0.5103778004	834.57	12.141825138	5.526225515	15.891295657
## 1196	0.1985663328	-628.37	0.130047505	-10.910005653	14.868915246
## 1197	-1.1801738522	-1436.24	-5.023013577	1.058819365	-14.110977688
## 1198	-1.0238610819	508.50	-3.222093950	-0.451424209	10.374706151
## 1199	1.0588839899	73.99	3.073523898	-8.901689075	-2.110122095
## 1200	-0.3900047062	-889.48	-7.615400843	4.312315958	8.317734399
## 1201	-2.0728249458	-1146.14	10.882076065	5.160117193	-27.420038681
## 1202	-0.7514842453	-1180.40	7.234850209	1.906450487	-27.055770278
## 1203	-0.6383204793	-720.52	-17.190105507	4.357410615	0.413248350
## 1204	0.4904799763	2077.68	34.554950212	-2.192964482	9.528080750
## 1205	-2.1188297238	1002.94	3.466249566	-8.639152996	-10.353918320
## 1206	3.0229857376	188.40	26.834883813	2.477875855	3.365141695
## 1207	-2.5450426776	-940.36	3.638265734	-6.731588828	-31.762675874
## 1208	-2.1426399412	580.24	5.353391240	-1.746948458	0.030417575
## 1209	1.5083179403	1293.01	-2.829891746	1.054020639	6.120021558
## 1210	-0.3994970557	-1121.84	-2.995392304	-2.986171012	15.215141049
## 1211	-0.3675808212	558.77	9.549180625	1.401806186	-11.722511175
## 1212	-0.2593152589	659.00	-5.676223838	-6.091468413	32.197168647
## 1213	-2.6468529874	-986.94	-29.505115054	-6.955211902	-4.184378002
## 1214	-0.2365808423	1174.12	37.062933628	7.075818980	9.298045254
## 1215	0.6741714166	-521.52	-5.601193283	-3.435575897	4.787123729
## 1216	-3.4844857286	-453.74	-11.353900950	3.637287637	-26.933005726
## 1217	-1.3639955405	-755.20	30.048978892	-5.539464503	38.245168016
## 1218	0.1068589791	110.23	3.251530655	6.519442181	-16.090588605
## 1219	-0.3462917488	846.06	12.711553973	4.178960775	-17.209851653
## 1220	-4.7204572997	762.69	7.996131606	-2.065226181	-9.941867193
## 1221	1.6115662376	-963.24	-0.211940543	-1.744754125	-10.849479366
## 1222	1.6158263223	151.39	21.428642427	-4.625545989	-5.036427593
## 1223	1.6300032032	450.60	7.069282085	2.369536519	-11.052823110
## 1224	-0.5462107403	639.95	17.917121731	-3.077889479	-3.683344847
## 1225	-0.8181626129	-96.33	19.604149311	1.480562982	-0.617147604
## 1226	-0.9727508867	-564.78	5.156327886	-9.505555674	-12.876198500
## 1227	2.2185436459	-755.62	1.848520683	-1.670775239	19.811332893
## 1228	2.7385997254	-730.29	6.796145646	1.798210664	-2.426804439
## 1229	-0.1150795527	-1298.40	-7.145473258	7.483023046	14.237518269
## 1230	-0.0629744367	-2016.69	-26.371896375	2.783797792	-8.357068705
## 1231	-0.4336282966	59.97	-9.165571974	5.217283073	18.660254092
## 1232	0.0800577252	1425.25	52.068028795	11.818904498	4.962999334
## 1233	3.2836491772	646.46	12.757656416	-4.832690854	8.184079645
## 1234	0.4820865146	423.97	9.434753643	7.666258138	7.568325624
## 1235	-0.6721410795	-707.47	4.927640960	1.651972204	14.472019250
## 1236	-0.0535969634	143.39	5.221860828	2.170053618	11.193567081
## 1237	-0.1856508408	-1188.83	-4.598656768	10.770160355	8.440382004
## 1238	-0.7874944565	-707.25	-6.016869708	-2.269571327	7.009244698
## 1239	0.2011984130	632.89	51.376405252	8.197735987	-32.753247658
## 1240	1.7442867624	153.96	-3.094764553	-3.787728507	1.275091912
## 1241	-2.7670155492	-1558.62	-24.269679854	2.465088427	8.203488551
## 1242	-2.1222754496	316.19	-8.304971389	2.303165795	6.405996110
## 1243	-1.1382728362	20.39	4.644700820	2.933018773	-6.541188701

## 1244	1.9940676664	460.29	-8.041527555	10.690599487	-12.067895758
## 1245	0.1939899505	-1068.43	8.322799982	-2.637098976	37.950729851
## 1246	-1.1169763269	850.84	26.939189349	1.480110400	-2.946510059
## 1247	-0.1914583263	688.63	21.041734081	-3.430602613	-15.089573231
## 1248	1.3437527163	267.45	-7.590050870	-1.405135832	9.186011821
## 1249	0.7676436268	1314.52	5.830336915	5.906941914	1.056924731
## 1250	-2.1254453261	-451.12	2.085082734	-0.528687170	-28.606037386
## 1251	1.9429608315	-789.10	-25.795113098	-0.161543349	7.510744275
## 1252	-0.3656372240	-948.91	14.908292270	7.201122911	-6.883783518
## 1253	-1.4915669803	-767.72	17.170372200	0.951065109	-12.993667710
## 1254	-1.4439917970	-507.21	-11.258576826	-7.812224068	32.967219645
## 1255	-1.7390631855	-1936.67	-19.089848178	-2.652469482	-8.464788516
## 1256	0.1204511443	-602.51	5.893626009	2.348354228	-21.749603072
## 1257	0.5475610846	-1354.72	-15.118001683	3.066775360	8.322864894
## 1258	-1.7332424945	1715.31	7.461354012	0.930004938	-2.286655453
## 1259	-1.4640357377	-256.44	24.014286005	-2.530531642	-24.013347283
## 1260	-3.1578895108	2106.98	32.293112620	7.532095533	-9.861946379
## 1261	0.3673466065	-612.27	-10.286542181	1.818945544	22.131839024
## 1262	-0.0658751827	-167.77	-18.377039444	-9.181661595	-28.289845593
## 1263	1.2762053727	-862.27	10.246539650	-10.981309715	-5.887461950
## 1264	-1.2736864661	-718.55	-18.952633292	-9.075731064	-26.943042292
## 1265	-0.6872439019	235.16	14.023897658	4.673474843	-11.278394457
## 1266	-1.7185937613	6.62	29.514239350	-3.161524787	-2.656294509
## 1267	0.9393017115	990.46	20.813373233	8.728167876	-14.318869015
## 1268	1.1015135675	-1137.80	1.500694645	0.735116771	-9.848658113
## 1269	-1.6014595341	382.49	-10.678856496	-5.588094790	49.950649645
## 1270	0.3989165702	-4.14	2.655666122	-5.638846171	15.057687593
## 1271	2.8572436208	-1233.57	-11.223008508	1.634938103	-8.864641221
## 1272	-2.9681652780	-112.40	18.876275517	-5.052437349	-28.372000727
## 1273	-1.3410141459	-566.07	19.616253045	4.692851870	-25.580044434
## 1274	-1.1197280009	-470.74	-0.770548415	1.379363195	19.850641361
## 1275	1.2143455334	-306.04	13.724283951	11.883295385	-17.879857169
## 1276	-0.8117770771	-1109.26	-14.327850249	10.823719853	-17.696897753
## 1277	-0.4745885506	-492.00	15.441351625	0.508235112	-22.779524128
## 1278	0.6510925546	916.20	35.352504009	-16.542853592	-22.293810592
## 1279	-0.0395616860	-220.97	1.493215361	1.972789904	29.072223972
## 1280	-0.0856721031	-1933.66	-10.555136857	-5.121380901	-5.929304599
## 1281	-3.4197060220	-1551.33	1.022290812	5.534941769	-7.439537013
## 1282	-3.7214040742	-1047.23	6.869177406	-2.519446226	-10.914687942
## 1283	0.7213365738	-314.15	7.938117950	7.259182088	-10.591607177
## 1284	2.8435390075	-954.87	-18.705019109	-12.444421975	39.266008638
## 1285	1.8729426383	-1677.79	-34.393478514	4.333491888	28.039972253
## 1286	-2.4755866161	646.17	6.933438622	-1.998378568	26.883003807
## 1287	1.2181134111	419.12	-0.534848480	-2.021115044	-34.431332930
## 1288	-2.2124319605	-904.87	-19.645542952	6.515840189	0.350719518
## 1289	-1.6790631456	-2331.81	-8.383185969	5.495109815	11.698227940
## 1290	-0.6522414573	-2178.63	-27.584187906	-6.069051190	-14.232652007
## 1291	-3.4249824818	-1075.27	-8.378963700	-1.642460280	7.527089989
## 1292	2.7157615154	100.04	-9.940066424	-3.254515886	1.912999784
## 1293	-0.2452329804	-288.42	-2.533623378	-0.338585851	5.692632648
## 1294	2.0738290095	921.61	20.089701643	3.619543875	-18.438908767
## 1295	0.0131356653	868.82	-15.632587346	-7.133344743	-6.558921358
## 1296	1.7972893022	1732.94	16.713043015	1.104678704	-1.706804701
## 1297	1.7119553899	337.59	18.838545423	1.264655415	-18.118036552

## 1298	-1.9607092192	-763.85	-19.613912258	1.840896768	-2.510064813
## 1299	1.6948034751	-67.52	9.072277476	-7.725234858	-9.631140819
## 1300	-1.5293691600	1250.11	-2.135335407	-2.083875132	15.256084429
## 1301	-0.0277051532	-556.98	3.700635204	-2.708862140	28.870469095
## 1302	-0.5379848384	313.51	-3.292446150	1.762107766	-3.564116329
## 1303	-0.7256030927	-1031.61	-0.785599301	2.115979376	-36.557253899
## 1304	3.5751196695	701.06	26.178545388	-2.118059168	4.941585250
## 1305	1.3844396042	569.71	11.297936952	-0.919766746	-20.785982974
## 1306	1.2152040878	862.24	1.564226558	-7.309126502	-28.839945972
## 1307	0.2079010563	617.72	3.763223844	1.005283626	-4.170759940
## 1308	-1.1009364571	724.43	1.738983728	-4.412153301	19.683377118
## 1309	2.0639379982	740.60	26.640581036	-4.964949368	25.249961900
## 1310	-1.9142101099	351.86	26.704648055	-4.218845567	-4.809165337
## 1311	-0.2551458256	-1775.44	-14.726349171	-5.208182931	4.239036769
## 1312	-0.0221690007	-1756.03	-23.849864459	-5.931192619	18.762007304
## 1313	-0.9829957774	-817.90	4.837318755	0.457358352	-17.689298612
## 1314	1.8884172131	2386.72	15.130048010	7.575764175	-4.473549426
## 1315	-1.5764239225	-207.35	-7.347511811	3.030236453	21.970641638
## 1316	1.1836030742	-733.92	1.254755843	1.232132941	7.808267786
## 1317	0.9508659665	864.55	14.080753593	2.792742061	-10.677550392
## 1318	-0.5918383726	-323.93	4.730452340	1.520367497	-14.369373765
## 1319	0.9694780403	1052.44	31.587018625	2.300744082	-17.847937721
## 1320	0.9305063976	48.27	-25.342665500	5.635408838	5.417699025
## 1321	2.5414606730	-739.67	-2.288965705	-11.204697652	-11.422935836
## 1322	1.5138021549	674.92	-2.348841104	5.088756214	-16.944398277
## 1323	0.1065390778	-2503.53	-29.739860988	0.143189138	-18.175645255
## 1324	-1.5134961156	1059.70	19.741883882	-1.090518704	-31.665766031
## 1325	-2.0506543255	431.09	24.283763325	1.291498631	-7.337371960
## 1326	-2.1632915839	-313.50	20.802633378	7.698561017	9.208696202
## 1327	2.6079882901	-1031.21	-15.543723777	-7.105288687	-11.221788184
## 1328	2.0493070612	-348.34	-8.912060907	-14.854144994	-8.700884384
## 1329	-1.3936855351	-911.23	8.534420642	4.909666807	0.612739040
## 1330	0.1845858426	1278.89	21.479330411	7.600813841	10.356644436
## 1331	-1.2888852736	-780.68	25.960796682	4.843807595	-20.467588105
## 1332	0.2268019672	193.20	7.293403862	6.172123878	7.706697335
## 1333	-1.3391875610	-479.93	1.659142893	-2.929336062	3.182388495
## 1334	-2.6507424168	624.90	-2.928347468	-0.946952208	17.102468406
## 1335	2.7796839023	564.48	22.885922410	2.573123386	-17.311308872
## 1336	0.6742197295	324.31	7.498720427	-0.039250108	-16.778431983
## 1337	0.4488933403	-436.97	-13.907905511	-4.587153435	10.515428994
## 1338	-4.5882058710	-1194.44	-20.876564786	0.812448377	40.860649250
## 1339	0.7253065239	1998.45	7.730324148	-1.446109346	-20.286569755
## 1340	-1.9625132074	-703.46	9.645014908	7.183782117	3.672869654
## 1341	0.1887823141	-1212.85	-5.871617865	-5.455982252	-25.849994490
## 1342	0.2063723637	-488.45	12.082182909	-6.149511571	-34.493554978
## 1343	-2.1353298269	1942.22	25.596563894	2.808854690	13.439261097
## 1344	-0.7859961272	972.57	12.311305989	6.430027849	10.971401147
## 1345	-0.1023633342	-1237.01	-24.640600046	-1.587183020	3.128800143
## 1346	-1.5716997773	256.72	15.682564493	-10.070540444	20.330071325
## 1347	1.4992545493	323.49	8.104006981	-7.278025141	8.284786808
## 1348	1.1271392061	-1255.07	7.623418100	1.783023550	-27.165472463
## 1349	1.1477146881	-960.46	24.905288386	-1.532804985	-3.437480394
## 1350	-0.8760584122	628.79	10.451357952	5.189674457	9.853647336
## 1351	-1.7574963995	-4.54	13.375129845	-6.043805571	-32.829237713

##	1352	3.0171140284	360.40	33.094032400	4.126637588	-22.201786197
##	1353	2.0636413860	339.74	-1.849242339	-4.961039041	16.216521235
##	1354	-0.9947907461	-1464.14	-24.702521778	-9.227087806	-9.719191079
##	1355	1.4705644956	-1925.80	-29.579741022	-9.012067913	1.195087538
##	1356	0.8119385001	-1098.78	-16.642271000	-1.333785649	53.052482198
##	1357	0.3565354379	-565.52	2.168474076	-1.388414839	21.750849759
##	1358	-0.8781224986	736.14	20.578037493	4.982808276	-25.225216385
##	1359	-1.6439043824	-859.53	-0.473844505	3.173570513	2.616994817
##	1360	-1.5423893013	-222.25	-2.475723813	-1.252842832	21.570352674
##	1361	-0.3354935786	1241.01	23.442742314	-2.950091928	-10.511767385
##	1362	0.9547805943	-319.66	-5.206531670	-0.105602151	0.020739728
##	1363	1.1835506886	14.53	-27.085172026	-5.520752312	-5.596626884
##	1364	1.0002708201	1124.24	25.701348734	5.083157756	-11.511516213
##	1365	1.9716900674	-537.76	-14.254057402	4.180276620	-12.313127014
##	1366	-0.8404772330	-871.66	4.538250665	-5.771354206	-7.264602631
##	1367	3.3317779395	-713.49	-2.993087470	-8.120065296	-19.845014634
##	1368	-1.7310644346	1955.88	11.882908039	2.212960598	-1.611725367
##	1369	1.6497461978	1054.09	-18.290112026	13.825760608	21.242154543
##	1370	0.4603196740	-275.56	-25.721644008	-3.735596908	15.293702844
##	1371	1.2777328585	185.39	-0.414762554	-3.038075383	-18.667709230
##	1372	2.7498143722	347.41	7.407353417	5.818248016	-1.756190389
##	1373	2.0839346832	170.79	25.079170377	-0.087782523	-41.963011783
##	1374	-0.7080606672	-183.45	35.289561495	0.799372783	-10.417211303
##	1375	-0.8413781058	-1172.17	-21.773175346	5.675331167	-7.956858183
##	1376	-0.6090630878	586.13	9.315862941	-8.179113201	-0.344408172
##	1377	-1.3040690414	-1148.08	-8.135399960	-5.658341552	-6.055631820
##	1378	0.0884731876	-2213.34	-5.819410473	-0.352091800	23.603237915
##	1379	-1.9234109128	300.03	17.974313462	-2.493642868	-12.388211431
##	1380	1.6580454245	1552.29	24.481924010	1.985865708	2.193499607
##	1381	-1.6346670529	-930.18	-0.037875455	2.607970048	11.335128332
##	1382	-1.3076208446	1261.57	5.706182865	1.307681253	-20.384932011
##	1383	0.9996810969	-1773.92	8.382793035	10.088571140	7.867718428
##	1384	0.6489656211	1147.04	14.079075007	12.140216457	17.388993419
##	1385	-0.7362971264	65.40	19.016711952	-0.990010834	15.243644501
##	1386	-0.7488033325	-122.28	0.997136056	0.650603202	27.097943475
##	1387	2.2373792434	-985.99	5.068809461	-0.311515292	-26.640174932
##	1388	-0.1974087163	-428.96	17.695485211	0.354003133	-4.527816613
##	1389	1.7982136161	-67.00	-7.652612769	-5.763557383	1.307441954
##	1390	-2.3800678224	-1175.76	10.491529812	-1.624000847	-20.738718241
##	1391	-1.5819812995	1152.50	15.165118257	-0.133411231	-13.703192055
##	1392	1.7800291138	61.64	-10.814416940	-0.444415442	10.547640929
##	1393	-1.3217630669	-845.28	-3.786622511	-8.898904378	-22.227914736
##	1394	-1.0915835645	-178.31	25.773317775	-0.386352164	11.239502452
##	1395	0.1143091005	-968.45	-3.251144097	2.630329041	14.041072641
##	1396	-2.0411231444	515.13	8.252894491	0.590462637	-5.043961562
##	1397	-0.6975027068	1077.11	-12.633279393	0.774281123	11.431561168
##	1398	-0.1394089654	-1818.75	-5.997899148	-2.025645146	-15.457949869
##	1399	0.2471771930	-181.26	4.816062517	4.134816087	4.342969746
##	1400	-1.2485633452	-338.95	-3.156750860	6.450269644	19.954743505
##	1401	0.6613942865	2026.21	6.942006686	1.386767601	-21.765433639
##	1402	0.1132887150	1304.05	21.808295259	4.697586545	-9.770123032
##	1403	-0.7314789135	456.45	-19.952216688	4.859114538	7.479288621
##	1404	0.2050411538	981.17	-6.274688930	-10.777571034	-10.570477074
##	1405	2.3561117560	974.71	27.523538860	-4.377958518	21.527045886

## 1406	-0.3311967850	-1017.57	-0.275794200	4.283732754	7.534965863
## 1407	-1.4175539872	401.37	-0.496769742	6.268493180	-38.210779210
## 1408	-2.3636871934	-414.68	23.597022944	8.142766885	-18.115747537
## 1409	-1.4950324844	550.40	26.841338486	-2.952253275	30.469630363
## 1410	-0.5116474804	533.11	1.301061629	-0.521596011	33.748598948
## 1411	-3.6931222515	-136.09	4.966982456	1.218250430	6.754233970
## 1412	0.2488879593	817.73	44.698692673	-8.144241516	-39.324706531
## 1413	-0.1057914103	-1364.50	10.722085510	5.973526581	4.011570012
## 1414	-2.4799330518	696.01	-8.042126092	-8.212548281	8.894294912
## 1415	-1.8935656089	-2243.08	-10.258919134	-1.963129275	0.587513704
## 1416	-1.1310017766	-873.77	-17.458538697	2.253525908	21.215497609
## 1417	-0.2180496129	998.02	2.037204395	-3.540599928	-5.006576858
## 1418	1.5304127190	697.98	25.466008316	-4.240754576	-25.154093327
## 1419	-0.7343247662	-143.09	18.615354527	6.951591252	-14.076778966
## 1420	-2.3478809235	-227.54	5.815350172	-2.441194582	-12.808219950
## 1421	1.8697534546	1886.97	27.130821910	-4.782425637	-9.523030756
## 1422	2.0727885335	403.36	-7.987466510	1.415171708	-6.061084097
## 1423	0.2718527554	-1433.72	-22.274820499	2.743432416	8.907589505
## 1424	2.6786956217	1445.60	20.482188622	-4.188913595	41.218800259
## 1425	0.1605068628	-1406.91	-7.088760375	-4.822949269	18.238524955
## 1426	0.4572209033	672.49	23.504558491	1.094308270	21.866644630
## 1427	-1.8906791452	1980.46	24.056633933	-0.269721316	-24.855251568
## 1428	-1.1048937239	-402.17	25.372581047	4.911369919	2.104330797
## 1429	-1.6542976875	240.71	-0.753427292	-7.918168827	7.451778429
## 1430	-1.9508087912	114.89	32.784581430	1.247434954	-40.977895789
## 1431	-1.3816861882	934.60	21.288459508	-4.169725385	-26.690562358
## 1432	-0.4653475909	-108.06	-11.543417559	-0.905554085	12.197024488
## 1433	-2.7154008853	435.44	26.750777221	-2.766761360	-22.030035362
## 1434	-2.7041097916	400.21	3.645973432	-5.565892650	-7.404942406
## 1435	1.1976162335	-1196.86	-31.537746148	-6.560642185	12.628247428
## 1436	1.9188182689	1339.63	27.306404758	9.900247880	-2.149614528
## 1437	-3.0356335083	-632.04	33.542244250	-4.345209282	-16.914882041
## 1438	0.1771077170	-682.76	-19.198666447	-5.776642681	-10.103081808
## 1439	-2.0736129785	-875.97	5.235996214	8.209368829	23.682559662
## 1440	-0.7870866162	143.59	6.206078115	6.817127950	-13.784892059
## 1441	-2.3398572558	-392.40	-1.323697477	-3.888665529	8.164988947
## 1442	-0.3854507426	71.54	20.243918186	0.401892304	-15.799867992
## 1443	-1.6458063954	945.08	3.791624999	-3.468131610	12.784704985
## 1444	0.0329910445	-171.36	-10.764823098	1.224474517	4.960058139
## 1445	-1.5682871559	-1485.73	1.047013278	0.250228735	-14.085840532
## 1446	0.9561114490	-166.50	-9.701884106	-8.124224806	-0.053508758
## 1447	1.2003980705	1017.12	19.399495246	-5.438974602	26.671720658
## 1448	-0.0354081836	39.42	-13.909221794	-11.211648537	0.628007790
## 1449	2.2839461819	-479.62	-7.985102039	-1.141907951	1.261778163
## 1450	1.6180193699	-1275.05	10.187919286	-3.000710482	1.482572759
## 1451	0.4140883185	-1724.39	-22.282336563	1.873402193	5.802074465
## 1452	-1.6534879614	1364.86	1.215073446	-6.315763045	-27.846153926
## 1453	-0.7422380083	-1756.33	-1.699247788	2.005137034	0.494032062
## 1454	-0.0023401031	236.04	-2.159509392	4.264803993	-15.666490966
## 1455	0.3554175538	-1723.94	9.075462030	1.622376620	1.224090670
## 1456	2.6293604857	1212.63	23.445950394	-2.960286075	-22.701854803
## 1457	0.4936481273	-842.52	-3.846964164	-1.077821925	7.788698528
## 1458	0.7012251262	481.37	12.664649204	2.610929987	7.517084192
## 1459	2.3040502826	-541.62	-3.249451183	-7.730672661	-1.257823396

## 1460	-2.2451334294	1008.47	38.418387194	-1.919281769	18.704514924
## 1461	-1.6927295868	-1825.60	-21.995901534	4.339698339	0.670177905
## 1462	-1.7098420260	-341.54	-17.459659763	3.236404003	4.293316434
## 1463	-0.0341752014	-395.96	-4.536422896	-2.751546113	9.551840049
## 1464	2.2300574387	1392.85	36.770102161	-6.367898411	0.525740072
## 1465	-0.6295596424	-1014.97	6.501246385	-2.936030711	13.442822635
## 1466	-0.1268632623	-1117.48	22.364952433	4.911008227	-16.139423358
## 1467	0.0272455013	1333.58	12.392014568	1.388113016	-6.083358619
## 1468	0.9493147364	-753.35	8.022998457	-0.345676492	-2.919396898
## 1469	0.5792009492	880.79	30.430398940	4.822247608	-4.514908596
## 1470	-2.0686444077	1744.73	18.821620936	0.292131514	-8.770244621
## 1471	0.2167191580	344.03	28.183913422	2.908694051	-10.947402992
## 1472	-1.6796047127	870.37	10.302247667	7.337154072	-14.756960176
## 1473	2.7351130420	-401.20	12.116417942	-6.282843282	-10.876735590
## 1474	-2.3956744320	154.53	-4.882915138	6.717210427	-18.483622163
## 1475	0.3117623397	306.17	13.241784215	6.095205675	-40.338898624
## 1476	0.1654123764	95.93	11.846855801	-4.021044455	-2.236465474
## 1477	-0.4783334284	1191.02	27.184508486	-0.632420165	17.303194001
## 1478	0.4614477752	-900.62	10.594224974	-1.516046400	-14.566625943
## 1479	0.2856907435	-434.82	6.725338814	-3.658362414	-8.945061049
## 1480	-0.2945482769	-905.24	-11.133582267	6.635601746	-5.759536482
## 1481	-0.5942231975	328.65	10.294105143	-2.947640279	-6.075172035
## 1482	-1.4191630736	-149.15	-10.601108502	3.509706265	22.194596887
## 1483	0.1884475094	-218.34	10.795273982	-5.786655871	8.776968242
## 1484	1.3287219326	-867.84	-24.233331710	-6.565026523	7.721831989
## 1485	0.4262528762	-1295.12	-3.923015223	-7.966491399	17.277947244
## 1486	1.5851396082	379.73	5.897290369	-0.449618188	7.755728154
## 1487	-1.1233551760	-1611.02	3.298561945	-4.662223810	10.373455746
## 1488	0.7816780191	939.32	25.630321366	4.330678849	-5.793358420
## 1489	1.2961429922	-1597.43	-12.003217282	-10.274533574	-39.364984795
## 1490	0.3181439775	206.41	-1.313445048	6.111943441	30.804538046
## 1491	-1.2430302502	293.49	-15.298632727	2.361007045	15.321506943
## 1492	0.0899136723	85.32	-3.462743080	-4.959855131	-36.725241659
## 1493	-0.5333465520	-1287.09	-9.854057616	-12.301391730	-19.159685340
## 1494	0.8279059357	519.45	24.868929874	9.186600219	-7.082102247
## 1495	-0.4305374401	3098.66	42.866425605	-4.763200531	9.585033741
## 1496	-0.2398550325	-870.60	18.125022903	-2.378124635	-5.714783137
## 1497	-0.9676439109	-76.82	-4.100124356	-1.664484972	4.065765557
## 1498	1.2083765871	-331.01	6.276173186	-1.287580174	17.815536575
## 1499	0.0935389834	545.74	16.513024233	-2.669131573	8.325087671
## 1500	0.0685675878	-1141.79	-18.905208386	2.394584383	-23.440544489
## 1501	1.7546621993	111.50	-10.768883599	-3.619466194	14.849942941
## 1502	-2.0804691701	253.87	2.955014970	7.636363381	26.318417615
## 1503	-1.6763739169	-415.32	25.176505804	-4.444964370	-24.634660584
## 1504	0.8127179083	-691.70	2.954299880	-0.117213447	-3.357380849
## 1505	-0.5680466840	697.69	-14.031573664	2.212225499	-4.954490658
## 1506	-2.4824847551	-217.13	3.590872416	0.528342515	-12.402473356
## 1507	2.4209791218	-265.84	-17.660880277	4.354794824	-0.600542187
## 1508	0.3515253420	832.14	-3.368988390	-9.421837206	-16.242292304
## 1509	0.5452069893	-664.39	-11.556545412	-6.260616589	-11.624297705
## 1510	0.0098341037	-692.94	-3.553934140	-13.193524670	13.563558121
## 1511	1.4877279966	-998.21	2.966685803	-6.686660134	-2.995478830
## 1512	0.3688486477	890.55	-5.556758302	-7.997469066	-13.584289260
## 1513	3.4459667396	64.22	-15.456211287	-1.347573943	16.408263588

## 1514	3.7351722191	-1523.67	56.223609562	-6.126773583	-29.086463619
## 1515	-0.9354996774	496.69	5.903505569	-1.572158801	-6.862463734
## 1516	1.8824258912	122.29	25.831834520	-4.293334719	-29.153978658
## 1517	-0.8382367503	-990.30	-15.612500394	0.567145397	7.382859675
## 1518	0.0551962890	-366.20	12.539078291	-0.721493961	-11.549270705
## 1519	1.7065632341	646.69	12.425945823	-6.722753282	0.008593288
## 1520	-0.9556709986	-696.72	-5.113942142	3.658230429	-10.052822402
## 1521	1.4572905009	-56.13	7.487644433	4.070457200	-2.388019927
## 1522	1.3277965919	1094.29	19.275370034	7.342361857	-32.892705255
## 1523	-0.6992882032	-76.30	9.607430278	-1.374334143	9.740468952
## 1524	0.6092027906	-58.60	6.270213048	1.482857732	-21.344170089
## 1525	0.6437571620	-999.90	-4.452592681	2.385913406	-35.230792751
## 1526	0.1397273130	-1138.09	-3.996377171	2.300924478	28.907657052
## 1527	1.2721821294	-629.49	-1.222244748	-11.343432787	-8.182721678
## 1528	-0.8086686362	-155.75	19.846746864	3.120701451	-25.067017014
## 1529	0.8591636742	-577.81	18.731307280	-4.715273552	-21.454415666
## 1530	-1.7229452900	-2126.96	18.773807616	1.766601800	-4.314654028
## 1531	-0.1405826015	1064.41	-12.765223693	-7.526952400	-25.242521095
## 1532	-0.6565533791	-183.40	-16.224830580	3.308581691	3.980329078
## 1533	-1.7191321588	1292.79	17.712797367	2.629705774	-2.632135052
## 1534	-0.8773303992	1321.36	4.920041256	0.385484620	10.553226991
## 1535	-4.5613482345	459.80	10.649564932	10.569080257	8.888349123
## 1536	3.8435099301	47.28	17.989441105	-1.338858209	-0.759995268
## 1537	-2.0543509854	-444.89	-16.234453597	1.501926837	6.464013450
## 1538	-0.6335234088	1434.66	22.591335801	-1.873400521	-6.929868753
## 1539	1.5764444423	1291.41	22.520181259	-4.318756782	28.731635494
## 1540	1.8274091822	836.37	2.258287110	-8.856845737	-15.300029957
## 1541	0.7766728967	1250.28	8.006433297	6.398482268	11.932467674
## 1542	1.8121411748	392.73	13.531103338	3.939549547	3.481616874
## 1543	-0.6880616882	-430.50	16.073991943	-6.609889910	21.621129783
## 1544	1.2096900570	644.43	26.770342724	1.810471666	7.198552964
## 1545	1.4709293802	-695.85	4.819917698	5.255751590	-17.324825188
## 1546	-0.4446643326	-1032.00	0.879345808	11.669644949	-15.403160638
## 1547	-3.6675095770	1367.47	28.003056496	2.002330139	0.354978614
## 1548	-2.9979873766	-462.67	35.481871618	-0.308534332	-13.496001828
## 1549	0.2129763841	2701.26	51.938115220	-2.094977260	2.882053194
## 1550	1.9279595700	386.22	39.162267596	4.194109199	-15.561259368
## 1551	1.1060097211	-1839.54	-27.026341251	-7.811411924	-6.905638140
## 1552	-0.8553167874	-318.26	11.227188902	-1.744104702	-4.040263041
## 1553	-2.4926686824	-1292.36	-5.439468287	8.181400086	-28.860584339
## 1554	1.3977049150	200.24	0.368734084	7.044028308	8.576009757
## 1555	1.5498355679	899.12	24.473805119	2.661898635	6.518988279
## 1556	0.3101221656	-202.01	5.680024099	1.578856020	-12.500779025
## 1557	-0.5566966972	-5.14	23.565628460	11.199221146	-29.428414730
## 1558	2.0057248787	-442.90	-32.396951899	3.635937174	11.740591305
## 1559	1.1293290601	-200.42	1.500838700	1.895734943	12.518996403
## 1560	0.1415259528	-1987.24	-16.060562076	1.160745519	-8.857522578
## 1561	-0.8649493697	-549.45	-7.033458328	2.927842746	35.027397897
## 1562	-1.5534172177	-180.51	8.356090938	-9.436643784	29.194512824
## 1563	0.1141526014	687.80	-4.323759950	8.568035664	14.227435011
## 1564	-3.0728102714	200.21	-25.576999186	4.983180112	-10.796542050
## 1565	-1.9512064502	901.94	41.741431403	7.561382149	-22.292553907
## 1566	2.5237930616	1839.82	35.605880068	-5.854929339	-3.099475152
## 1567	-0.4422310421	440.06	-21.631702180	-1.586148292	4.108683655

## 1568	0.6010149956	1714.07	6.060527048	-2.003297418	3.324691094
## 1569	2.0590224252	1223.52	12.398813436	4.386626480	-4.638577662
## 1570	-0.3802374140	-1266.58	-14.532808336	-5.833380205	30.048426072
## 1571	-2.7196276387	-171.08	-3.751497563	-7.689014171	24.457847102
## 1572	0.3504087419	387.13	0.697778399	0.501303124	9.005065442
## 1573	2.3884756349	-112.66	29.024571545	9.762715098	20.954568675
## 1574	-0.7494395649	1600.30	10.959410602	8.476051189	13.016622783
## 1575	-0.5140033295	-993.64	-17.560527524	4.091691599	-2.392399498
## 1576	1.2470246387	332.74	-19.394805429	7.346409550	23.211382639
## 1577	1.7292209760	1234.25	36.291520290	4.949022531	-15.431354234
## 1578	2.5889558296	897.17	32.324478231	-3.189187164	-8.424802991
## 1579	-1.2635471934	-420.94	-7.217232853	-1.125592160	-6.554115371
## 1580	2.3748052372	1580.62	27.905800377	-2.556481558	0.372265734
## 1581	0.3546973588	1094.01	37.679377167	-2.119132384	1.627335753
## 1582	0.2612703118	-1067.72	16.447421830	10.227870202	2.406218444
## 1583	3.3327845536	786.23	35.216948594	0.157843676	-28.995592087
## 1584	1.0925716541	2337.97	11.461511013	-8.977992479	28.064408532
## 1585	-1.1614096918	-820.64	-26.168778884	1.889898912	-20.579986791
## 1586	1.6605598649	-1167.17	-17.518224866	-9.301426288	19.599517317
## 1587	0.4517214936	881.05	25.623186901	0.628226047	4.658999882
## 1588	-1.2771696148	818.88	29.052044667	2.090500620	2.515488381
## 1589	0.7751689598	-1724.11	18.122986610	-5.603291936	-7.332015459
## 1590	1.1034844948	285.72	38.037121583	-1.254283087	24.668043689
## 1591	0.1810579617	1683.06	19.942566004	4.251462847	5.678171555
## 1592	-2.1147888962	1429.81	27.780843242	-7.693290145	7.272139061
## 1593	-1.8805404867	-1045.94	-5.469818943	0.692847036	1.845077566
## 1594	-3.5337522017	-260.44	17.720604958	-3.798324313	-11.604300263
## 1595	1.9224390462	243.35	15.430039476	-9.987791769	6.648658516
## 1596	1.0364843544	176.73	6.471716722	4.722845803	6.104539746
## 1597	-0.1767658632	-313.81	13.199121247	-2.656782007	-22.879976306
## 1598	1.8627983212	704.27	9.701477228	-9.731372033	10.589546136
## 1599	0.8023807466	214.22	7.272539605	4.922821261	9.771616084
## 1600	1.3384559718	251.64	0.401642548	-3.098998506	-5.004029761
## 1601	1.4999345409	10.47	9.763109647	-0.567398960	15.850566688
## 1602	1.3393503499	706.50	29.121173186	-1.955070721	-22.313097630
## 1603	-0.3053140038	1081.59	10.324545114	0.233270753	25.412068727
## 1604	3.9294195119	-1212.74	3.387420255	-3.276020738	21.635326274
## 1605	-0.4119515648	847.94	25.577623774	6.393503980	-33.465567686
## 1606	-0.6124929162	-47.08	5.475469391	-6.505309380	33.900721792
## 1607	2.3822121587	-1023.56	-1.653801154	1.728218871	-4.657605686
## 1608	0.9959480894	-483.95	17.457404367	-1.087037691	-0.298975515
## 1609	-0.3626674851	377.61	-8.976379763	-6.010158291	-5.218072206
## 1610	-0.5391213552	1823.33	22.060691144	1.034476834	7.645249568
## 1611	-2.1743187866	-1215.62	-1.812783676	-4.021434374	6.683893937
## 1612	1.3091907127	-593.78	-27.200897743	1.456521420	-15.769903008
## 1613	2.7503951867	-705.90	-0.622682864	1.834499563	6.215676501
## 1614	3.0986724430	-1485.61	1.360754827	-5.129196557	-14.072096825
## 1615	1.9095986801	-903.10	-21.044013231	0.738676923	-5.812487599
## 1616	0.0796346886	-1077.88	-13.142180659	-3.693202257	-3.083582774
## 1617	-2.1121759242	-165.26	7.535671282	0.935686365	8.521065439
## 1618	2.7684895586	-466.24	-21.253013280	0.778096327	18.106601564
## 1619	-1.6328978299	1869.73	33.409199868	-6.189586446	17.316373483
## 1620	-3.0899315441	396.37	20.186886643	1.977579301	-13.834114305
## 1621	0.7158252659	164.10	-14.030204547	1.327908125	18.531021653

## 1622	2.0523379517	-1365.32	-7.553722307	-5.147045129	-16.318556486
## 1623	-1.9391969973	99.15	18.112887260	-3.019313435	-14.785063541
## 1624	0.0748090815	1016.60	31.876328419	-0.277623180	-10.087102622
## 1625	-1.1603824383	174.20	-5.442147509	-1.556713667	6.198740767
## 1626	-0.5568158210	1395.88	3.372164940	-1.647624932	31.497414366
## 1627	2.1701998582	767.92	32.500899686	-8.203087110	-17.057886545
## 1628	0.1903665074	379.26	-16.353342072	1.782165686	19.813378083
## 1629	-0.6125977456	75.06	4.851714221	2.290535858	12.889251183
## 1630	-1.6280799499	1387.75	23.802420955	-6.037635455	-14.287182959
## 1631	1.0132596463	-402.02	13.392363896	6.539192418	13.389953043
## 1632	-2.2990175856	193.71	0.676071452	-1.869676681	2.009235122
## 1633	-3.5961113711	-402.85	-27.805507133	5.172652536	-5.429587403
## 1634	1.9265656450	505.43	4.136728524	16.705700782	-2.357115987
## 1635	-3.3815123028	25.93	-12.456372576	-10.894129712	11.953829811
## 1636	-1.2421395940	-557.89	-6.994685779	0.374477694	-21.036966019
## 1637	-1.6950365647	-466.53	7.409897522	-0.402859335	-39.010570753
## 1638	-2.2261930988	-1114.23	-33.957638991	3.565669921	10.941339467
## 1639	1.0474382970	-235.03	-3.608159957	9.383366156	0.373894650
## 1640	-2.2123836617	-381.89	-0.921261193	-1.178014897	22.538410344
## 1641	-0.5047462542	1747.28	9.936618027	-3.790837969	-15.031102513
## 1642	1.6131399328	1432.32	-3.964753833	4.312037774	-10.103356925
## 1643	2.1253564463	-515.33	-7.564530905	15.614205071	-7.398147765
## 1644	-1.6404695938	690.09	23.608409602	-3.171166630	-0.596228283
## 1645	0.6089211827	-123.85	-0.112315902	2.224659756	2.042812954
## 1646	-0.4080301707	765.44	-6.068610597	-4.815543631	-14.201466943
## 1647	0.0768869519	-196.68	28.735838199	5.158863471	12.006791202
## 1648	1.1211578651	1617.68	49.680165299	2.075307503	-10.604002279
## 1649	1.7049428756	-417.69	0.319071754	-2.693906209	9.273568990
## 1650	-2.3067584918	-2008.91	-9.107073625	0.607881783	-6.381000304
## 1651	1.0425058742	63.92	23.404089188	-4.897503820	7.217878102
## 1652	-0.6540609921	-299.02	12.448949994	-5.240786503	-8.952392698
## 1653	-0.7941158792	1724.67	-1.896432646	0.935533835	-6.383464479
## 1654	0.9785613193	1335.85	28.778281155	-2.388827061	-3.290948911
## 1655	3.6212910150	482.42	17.964962392	10.449901019	-4.191946575
## 1656	0.4950381946	-1807.22	-31.891493105	-4.063242085	21.966328536
## 1657	0.5900186601	1415.41	12.586261964	2.554744726	-15.074174081
## 1658	-3.0767168661	9.15	-10.062773046	-3.306901002	1.837748071
## 1659	-1.6877122887	1227.95	6.404599815	8.271675732	-46.616988160
## 1660	-0.2046274728	-181.91	30.188184115	-4.280216709	-18.100788553
## 1661	1.1183891654	829.26	-3.309235443	2.019094555	-28.130316293
## 1662	1.3867217154	1118.52	27.261883421	-2.724716025	-1.084793347
## 1663	0.7365104287	-1018.72	6.686789302	10.617095973	5.076710342
## 1664	-3.2668616075	-805.89	-0.629910903	3.383603606	2.230459014
## 1665	-0.1469348960	-870.47	29.694722203	-1.533296112	7.379208202
## 1666	0.6555502823	510.36	8.286547347	0.027771008	-16.749850499
## 1667	-0.3168915046	327.22	3.510744730	-5.183648285	19.185340174
## 1668	0.0758024804	701.27	30.893883073	5.433655762	-6.342364744
## 1669	-3.0206240033	-1352.47	12.237766431	-5.352421334	-16.522389606
## 1670	-1.1080735623	218.86	-1.899195115	5.018904777	23.834256142
## 1671	1.2377524096	925.77	12.905956524	-5.175948816	28.881083745
## 1672	-0.9252613476	-1009.55	11.841823015	3.750250705	-3.998197386
## 1673	1.9677043204	-512.35	6.993932114	-11.086950263	-10.922068018
## 1674	-0.6747010142	-83.48	11.139407716	7.805365983	22.571183271
## 1675	0.7852524253	-213.16	12.119871418	2.872677822	2.498787596

## 1676	-1.8667828553	-661.80	-38.774579614	-0.478139702	9.645733937
## 1677	-1.7122339303	133.21	33.016159445	-0.920771448	-19.395443311
## 1678	-0.3612107947	185.34	40.338448045	-2.097042407	1.197417654
## 1679	-1.1970336336	-64.62	18.988954238	3.993217292	-26.945264101
## 1680	0.9564725501	550.12	17.027772945	3.344705960	-2.752857170
## 1681	2.4546954538	327.23	36.702580935	1.138596038	-6.579561988
## 1682	0.7297679969	927.08	36.809630841	16.259201054	18.378224028
## 1683	1.0927432018	800.95	8.068208536	3.469429209	-1.178034476
## 1684	-2.0646315414	-337.07	-12.832155876	0.752839016	7.628318245
## 1685	0.6381973876	441.02	-20.297022129	-10.871201743	-12.685654098
## 1686	0.4262000564	-841.16	14.026439386	1.572281596	13.993524825
## 1687	2.6088492707	-1198.60	2.617421335	4.709805812	8.014178106
## 1688	1.6605739175	-98.91	-5.471210261	5.263367739	12.556098119
## 1689	-1.5284441259	-1038.33	-10.746851043	2.658930267	-5.893193044
## 1690	-0.8776000983	-858.81	-4.117123541	-5.367407939	-41.491409443
## 1691	0.0089870110	22.08	16.476620856	-3.099608204	-7.027457082
## 1692	0.9134415166	-1431.18	-19.936884184	4.314395748	-5.515012766
## 1693	-0.5317330481	-285.46	18.590772686	3.267718730	-27.978007269
## 1694	0.9687886745	1506.22	18.540320560	0.377954787	13.409859284
## 1695	0.8839058089	1385.88	-18.284195109	-9.729826918	28.446861130
## 1696	-1.5195644167	-1.60	3.023453948	7.084079987	0.694616500
## 1697	-1.6840753794	664.36	-5.017628012	4.627056887	-15.838810929
## 1698	0.2469679544	190.71	4.956793748	5.397808083	1.097082440
## 1699	-0.6508671627	829.12	5.949188246	3.110728304	-5.842179947
## 1700	2.4452621084	-1085.79	9.941650023	-2.452236648	-1.191516817
## 1701	0.4080177719	-21.11	27.287875961	-6.503018789	11.949625151
## 1702	0.2599489206	-747.59	0.244145249	-2.184672538	15.795708087
## 1703	2.5749068583	-311.79	-8.593309119	-1.316589659	-1.238881637
## 1704	1.2515217858	-1001.33	-17.124131432	-3.259405557	6.139359936
## 1705	0.7270404639	933.39	22.247076750	-3.808544688	-38.663506847
## 1706	-1.0833357127	-1773.79	-34.018509461	2.803614077	-23.545364464
## 1707	-0.1809278335	-805.58	6.342643115	0.782252541	2.556828031
## 1708	1.1777244466	-1176.74	-7.016172213	-4.426985507	-1.240661061
## 1709	-2.6399494787	-627.45	14.895548581	0.385532013	-26.724735956
## 1710	1.5321654304	-791.69	39.323104241	-9.552120437	-13.049363118
## 1711	1.2803466293	-736.28	37.459991712	-3.918979225	-6.877019361
## 1712	-2.0799443271	1956.99	42.559557087	-5.971634140	36.047319251
## 1713	2.3063773666	-524.64	-5.031346070	-8.764559863	-7.688053229
## 1714	-1.1290817649	-445.61	24.670599577	3.446116237	-25.698080832
## 1715	-2.1535905350	-246.97	-27.838131100	-12.741682954	6.397442537
## 1716	-0.0196644708	-452.92	25.584870925	1.673897030	-10.677113392
## 1717	1.6384816710	-8.23	-6.870832910	-5.893176011	11.202642207
## 1718	2.0968094442	-1335.67	-16.415984615	-1.561286826	-18.272341933
## 1719	2.2733871604	1371.03	-0.612963206	6.179092101	5.625958325
## 1720	-0.4377514472	2337.42	26.681841910	-2.401030211	26.954376021
## 1721	-2.4536424964	-941.02	0.374125275	2.372774219	-4.481036217
## 1722	1.9323599275	-577.05	11.383322264	-0.408816494	-0.430379758
## 1723	-1.0646547031	-168.94	-6.144660144	4.423922002	-7.712556239
## 1724	0.9680539922	430.86	-16.189545712	5.422106277	0.526470612
## 1725	-0.3918149712	1504.57	2.669886347	-11.794407495	-10.445824875
## 1726	-0.0345744267	55.72	15.440589670	2.977635217	-47.860083599
## 1727	0.6602495625	-634.32	2.029173756	-1.716782120	-15.947329718
## 1728	1.1657476739	-724.15	-18.781183163	3.362612356	-5.394415475
## 1729	0.1073053664	-1565.21	3.049442756	-2.198637577	-33.168654733

## 1730	-0.0317728079	798.64	6.208790432	5.105185653	16.832637609
## 1731	1.5544383229	-527.69	-2.633293367	-3.797046291	-12.717764243
## 1732	-2.1503697333	-297.38	-11.686045854	-0.425232630	-19.235586255
## 1733	-1.1701477411	-489.66	30.075367833	-6.938922902	-32.052534792
## 1734	-0.3855814923	1194.44	1.359187689	1.697458637	44.378800041
## 1735	2.9172289229	2285.02	25.171326902	-1.860624382	10.363617956
## 1736	0.1474831890	630.32	11.814505119	-3.115429526	-6.517141756
## 1737	-1.5062536681	194.88	16.335489432	2.317672016	-10.078252573
## 1738	-1.9705372124	519.19	4.338418800	-3.282965194	13.507302568
## 1739	-3.4375951930	1714.69	53.977763299	-8.644845168	-16.538315182
## 1740	1.6222885551	787.40	5.900248823	-7.045150713	-3.257062653
## 1741	0.3875855595	-145.64	-0.753082436	1.192310935	-3.683337174
## 1742	0.4728741005	-1026.89	-19.568825518	6.558786698	-17.335227728
## 1743	-2.3287732555	877.63	31.476052619	-3.445242032	-16.069191446
## 1744	-0.4485537834	2088.26	22.869729232	0.155446572	-10.959278767
## 1745	-1.0674447329	1684.43	8.997392158	3.164004789	26.258155436
## 1746	1.8010174212	1570.71	-0.162133082	-0.064546057	14.019019974
## 1747	-1.0494281447	1396.40	-9.282341738	-0.856975659	-55.697145047
## 1748	-0.2889491697	981.27	15.891471556	6.328904350	31.321922194
## 1749	-0.9519646250	-202.19	11.430251089	0.677004586	-11.341619695
## 1750	-0.2126493148	814.46	8.787630053	-6.854539474	2.837731294
## 1751	0.9699022663	-1419.63	19.870551922	-5.107862699	6.083002249
## 1752	-0.2892010965	1156.30	15.169946702	0.088653052	-21.012888830
## 1753	-0.2327560159	663.30	19.009893044	-3.031219968	-9.877517900
## 1754	-0.6930545990	436.50	20.225565722	-0.537963604	-4.747631424
## 1755	2.3780401761	1045.78	40.056742471	-2.175833211	-2.302936250
## 1756	-0.0928899705	-643.01	28.236376442	-3.439306313	27.737371965
## 1757	-0.2559439118	1470.98	17.110378868	-3.992556958	6.748928259
## 1758	0.8667298891	560.35	-11.886876973	-7.724389229	17.387432607
## 1759	0.7277550880	-1158.49	-14.467974072	1.445935431	18.274312533
## 1760	1.0382790666	148.27	18.012128382	2.589007988	-6.870690429
## 1761	1.9265534214	192.80	-3.703778472	-3.127014043	2.420198802
## 1762	-1.8112740676	-1179.71	5.626675470	1.995852392	28.252493683
## 1763	0.2509441026	510.73	3.175942014	3.381745151	6.152355934
## 1764	-0.0855871825	-747.31	19.446642351	-3.082491863	-9.795284217
## 1765	1.2287235198	-1564.71	-7.780521834	-1.090009095	18.529772172
## 1766	-2.7632385113	-137.87	7.165820756	-0.962497024	-23.770052948
## 1767	-1.5745595523	-971.14	-4.601963890	-13.430926030	-14.214988779
## 1768	0.7638584998	93.05	12.721495778	9.708941486	-6.771431797
## 1769	-1.7327865913	-99.20	14.467773928	10.493204882	1.140060617
## 1770	0.8746102796	384.34	-8.126264610	3.806257091	-6.160289122
## 1771	-0.2650125436	-826.40	-5.978928534	-3.754272496	27.928781105
## 1772	-0.2348740802	-584.80	9.670753032	-0.482757879	-23.255725017
## 1773	0.3222765879	698.67	20.333804014	-6.158487498	-24.648282950
## 1774	0.2506835740	952.75	3.565513972	2.404620544	-8.787284624
## 1775	0.6719963338	-715.62	-5.046589450	5.810938304	-28.770017167
## 1776	0.1753183900	-471.04	8.681451494	1.483600370	-35.731365162
## 1777	1.1368961127	-1027.08	-4.847844303	4.886288683	5.082797916
## 1778	0.4577364896	-803.10	7.996876235	2.878585988	-9.496901526
## 1779	-0.4870101758	-767.93	-7.908639558	-0.820834163	14.681592470
## 1780	1.7662073239	599.25	-10.252901560	-2.780571384	1.654883402
## 1781	-0.5695444672	-637.61	-10.427905579	6.293733391	3.348566366
## 1782	-0.0332827738	1174.10	23.325433378	-0.763574126	-18.317236416
## 1783	1.5696875907	257.80	8.494551451	-1.331723402	-10.981005648

## 1784	-1.9263531832	812.51	-7.759494727	6.732172224	-7.624880008
## 1785	0.0473724202	-1093.17	-9.804919419	8.914801084	-8.966662019
## 1786	-1.2223051685	-1103.40	-9.785532074	2.942063703	-12.501576572
## 1787	1.8685130545	-216.04	15.265840524	-3.561917623	17.114121950
## 1788	1.7499113086	-152.90	15.692721150	-3.935542247	-19.330035390
## 1789	0.4288192126	-157.48	3.897168787	-5.520520116	5.273099168
## 1790	-0.4032430756	-649.91	-11.915375684	0.372744384	8.651162839
## 1791	-0.0374004401	-906.39	-13.785869047	10.290158180	-1.465950904
## 1792	2.5455783348	-1301.37	-9.622384012	-4.984240176	13.652946510
## 1793	1.1778604701	-2478.10	-30.447137395	-0.890055292	-8.448613335
## 1794	1.9127801858	-34.13	-16.088587078	-6.820035522	-8.587437546
## 1795	-1.2632038203	110.86	-3.579973884	7.946576027	-11.827951629
## 1796	1.0696288696	-421.34	-9.498469942	-1.050059679	-27.661335982
## 1797	2.8108649850	-1679.40	9.277526622	-1.474804879	-5.534084332
## 1798	2.5985338028	360.56	23.964441918	9.481022302	-31.217586969
## 1799	0.1080698364	-135.15	4.248157733	1.731997403	-10.308939043
## 1800	1.5475445548	-711.51	6.785733214	-2.289805037	0.124568001
## 1801	-4.7375627343	561.01	40.789735239	-3.842203595	27.918974522
## 1802	1.7764194826	687.45	1.471581313	5.125785811	-19.237720632
## 1803	-2.3795850344	218.90	23.543239434	-4.521350473	-13.017666849
## 1804	-0.2384772949	-1483.64	3.624688399	-1.385955028	-25.737133478
## 1805	0.0013152851	-1542.58	-3.127730670	-1.181683231	-30.759299470
## 1806	-0.1077065795	319.60	-0.325794675	-11.582758444	-11.946034796
## 1807	0.7385625012	53.19	11.778118655	5.700666019	-25.121542354
## 1808	-0.1654936946	981.92	21.091123618	0.893505034	-32.825211255
## 1809	3.3793001942	-869.72	-26.591372427	-3.579263309	-10.483935312
## 1810	-2.1867645953	1146.36	23.281266335	2.860455453	-5.095103793
## 1811	-0.6817123610	1068.19	-28.706478151	4.609354802	-8.764896222
## 1812	1.0000918968	535.90	-20.406870939	9.472913477	39.247229446
## 1813	2.7160161898	1221.64	8.971113731	-6.266505093	-3.165365608
## 1814	-0.2634054119	-1107.46	15.091781423	2.899525151	-1.994158886
## 1815	4.1339819985	-297.64	-8.488983847	-0.785952079	-22.611150255
## 1816	0.1980192816	2109.25	31.343116123	-2.817054057	-20.344637011
## 1817	0.4846615237	-431.35	-5.132635423	4.290379837	-24.246364231
## 1818	-0.0636184923	468.42	22.544584602	3.986958154	15.270436366
## 1819	-2.1276986386	-691.09	9.389720700	-2.993205868	-5.588691131
## 1820	1.4082828087	-765.42	-13.231869089	-4.424070924	-18.530353860
## 1821	2.2789239341	378.97	9.802908795	1.569201715	11.000700226
## 1822	0.6087477241	-1658.23	13.708369587	-3.123906119	-19.617314133
## 1823	-1.6824296405	-371.19	16.651429570	4.840827718	-9.827431122
## 1824	-0.3796869530	1509.07	37.513892505	-4.252042733	-9.000070901
## 1825	1.1976771225	-22.28	-3.021493190	-3.527989559	-5.710539366
## 1826	-0.4369944146	-575.99	-1.630701277	1.615962597	23.083252363
## 1827	-0.2029794833	309.35	14.061855240	2.353510741	5.430214757
## 1828	2.7074314445	-159.87	-0.660750537	-2.517054524	-32.703147922
## 1829	-0.3765967786	32.66	22.699235574	4.380970258	-56.556634539
## 1830	1.9026908536	679.98	49.139465793	1.457176321	-19.409879408
## 1831	-1.7171142285	-1426.83	-6.653493755	-3.152539276	6.900438342
## 1832	0.5274325723	-304.46	23.101844643	3.399802925	4.082059967
## 1833	-1.5294052833	3017.00	71.794291830	-6.013614994	11.205406927
## 1834	1.1417312860	-441.33	-62.000659216	-5.050320927	19.332217378
## 1835	0.8878298294	-1262.10	11.994786431	2.760518492	12.756860615
## 1836	1.8599351792	-331.44	-14.756034571	-5.921717709	13.044618903
## 1837	-0.3674677340	-1095.73	-20.505616157	-6.764783533	24.492648969

## 1838	-0.5665511078	1049.91	11.750012122	7.618435825	-6.319963404
## 1839	1.5110042471	-723.66	19.256121464	-1.662449083	-13.106310820
## 1840	-0.1273021032	-1167.71	25.288129987	0.326493147	3.267566081
## 1841	-2.2039566726	-360.98	-7.058922073	3.822184799	-7.016177269
## 1842	-0.7922109303	-331.30	-12.450285598	-7.715028790	-21.941436925
## 1843	0.9714510851	-539.69	-13.296430303	-1.207969454	29.870545086
## 1844	1.3405258313	437.78	5.284839090	-6.232194888	10.034187447
## 1845	-1.5875449221	-1162.67	-12.337352701	0.579912082	-1.440147692
## 1846	0.6218458455	-1293.26	9.097184530	-5.918253123	-22.005197363
## 1847	0.9522598825	-41.72	0.085193619	2.047341784	-50.559486801
## 1848	0.9296554285	568.18	13.888210017	-1.886526655	-1.050251050
## 1849	-1.1397510791	913.63	32.772243975	-6.128259026	-0.890939791
## 1850	-0.2922534709	-949.04	16.119617309	-4.088282186	-5.006882285
## 1851	0.0227257714	1077.85	16.290189003	4.120901609	15.523934648
## 1852	-1.1520229198	-250.89	0.984835805	5.920276326	-3.840581161
## 1853	-2.5225842133	-525.44	5.226040623	7.658792963	9.824898868
## 1854	1.2223387498	331.91	2.339881247	3.558010091	-6.464988729
## 1855	-1.8706821065	-2153.33	-31.566758570	0.767710360	24.296985610
## 1856	-2.7491417151	1216.78	10.390659208	-8.104252649	13.871793721
## 1857	-0.9367864763	467.86	-16.249633586	3.746017905	7.542558053
## 1858	-1.7905664700	-418.62	-20.698827093	-3.190005014	-6.097266838
## 1859	-1.6417856610	-101.37	10.947367844	1.189166492	5.224472860
## 1860	1.8309633084	238.84	7.877740970	1.523942905	-25.260400186
## 1861	0.1809617071	-29.21	4.352292117	-1.147588244	17.788201081
## 1862	-0.5174710203	-422.90	-10.713032629	-1.917041018	29.985248324
## 1863	2.2336311265	-501.15	7.985970767	3.604117201	13.872771694
## 1864	0.1582565163	525.62	5.651781000	9.146512332	-10.564602354
## 1865	-0.4834881117	-49.37	6.740444130	-3.733148956	-12.835999635
## 1866	-1.9592292508	228.42	-0.936933013	7.632579801	-5.462280887
## 1867	0.4423951502	-333.12	6.310953101	-0.332999949	-8.739671562
## 1868	0.7159101732	-338.37	5.385317926	1.145258838	-9.996265240
## 1869	-1.1556897594	263.65	3.218011603	-0.566625888	2.994647915
## 1870	-1.3233681044	-911.51	3.078437030	-8.010598923	-20.591964453
## 1871	0.3869224644	912.29	14.028868309	9.641718062	-4.018557600
## 1872	-1.3282000799	745.77	1.704286985	9.573892876	35.661591783
## 1873	-1.9999283782	1323.03	0.299698703	1.344004279	3.312802727
## 1874	0.1325077615	699.79	32.994876724	3.507419075	-8.907793970
## 1875	-2.3487661797	-2545.62	2.374441670	3.599704531	-4.267296294
## 1876	-0.1882060667	-966.86	-10.701364746	0.654428678	0.875375085
## 1877	2.2687199863	-356.92	13.424253408	1.558429696	-2.923966184
## 1878	-0.4190624979	-449.99	5.601668296	-1.035434824	-10.412905411
## 1879	3.4893441780	341.06	27.079263097	-3.658402271	0.280438593
## 1880	0.7859912185	-1772.15	-21.787936091	6.050668713	19.238279676
## 1881	0.3024038978	-929.80	29.997510822	-9.573846746	-22.960391472
## 1882	0.8226320668	195.14	28.969425084	1.703618867	-12.444310543
## 1883	-0.8586220712	1623.40	11.570821921	-3.994374428	4.284532689
## 1884	0.6155666935	462.18	20.532834652	8.332766550	-10.596052862
## 1885	1.7118936581	-1714.60	-5.688803646	-1.103470747	5.817885328
## 1886	-2.8375339746	826.51	-4.607385141	-4.455152086	-3.443937365
## 1887	0.5383781923	1074.83	23.281846174	7.220558787	-21.281020534
## 1888	-1.2919090407	-1004.91	3.029574096	-6.960297186	-18.989087050
## 1889	3.1848905728	826.75	0.654885815	-2.633367608	16.806716053
## 1890	1.1302788834	-695.25	-3.037115149	-4.611116011	11.229600109
## 1891	0.6953748536	-322.69	5.137380402	-13.076575200	-15.503516933

## 1892	-0.7000280302	305.57	-43.946536114	-2.525314207	5.170685725
## 1893	0.8213096568	680.19	5.724828613	-0.435556359	-26.994850709
## 1894	1.6905289982	685.13	9.254823435	6.177788288	58.896888966
## 1895	-0.4938564113	-1701.15	-14.850706974	-10.920896226	1.239153978
## 1896	3.0352110232	421.65	5.620299286	1.700000740	6.091469303
## 1897	-1.0003863922	-433.34	12.736118539	-1.744178219	-5.933276410
## 1898	0.7862962071	906.94	7.155732243	3.490408852	9.402124569
## 1899	-0.1944120759	-92.42	23.743409024	5.162040216	-6.161989347
## 1900	1.4162387923	-740.27	-20.878745861	9.551044253	11.035746280
## 1901	0.6724229133	-149.28	-2.499105357	-5.602954585	15.961416040
## 1902	-1.1817637676	1060.20	26.072189783	8.033346527	21.540879136
## 1903	1.5240886352	-1778.42	-16.181417234	2.664230942	9.282359416
## 1904	-0.4202661291	-720.35	-16.702986736	0.186853744	11.124599411
## 1905	-1.2851256499	-795.92	5.055936536	2.242755448	19.738970468
## 1906	-1.6586721576	-1741.97	-25.863863970	-1.302330528	19.322148323
## 1907	1.0363001090	-964.61	-13.875157752	0.302180540	-20.010819601
## 1908	-0.8378553372	-1334.79	-27.235528918	-2.593415482	-11.357558810
## 1909	-0.9904422730	-1086.68	-13.104786416	8.353703930	37.210189089
## 1910	1.1494862927	1602.49	10.281583485	9.753368155	10.851852420
## 1911	0.4620349185	1295.77	16.762198183	-2.783448433	-4.169003761
## 1912	0.2143449834	352.26	-5.483524476	-2.991514700	-9.188293804
## 1913	2.2116243425	1118.91	7.289404930	-4.807470226	-16.110856316
## 1914	-1.2899767130	-247.90	-15.956813627	-5.231233424	12.656919990
## 1915	0.9160467026	-533.47	-0.376377525	2.676767203	19.673055372
## 1916	0.9229757181	3772.08	64.241821117	6.250300123	-7.244156944
## 1917	-0.5004863606	534.28	37.503746349	1.067823142	5.458738163
## 1918	0.7655373603	-2793.54	-20.953167788	-2.136711406	-15.796319601
## 1919	-0.5340611443	-447.45	13.088250633	7.993360179	-35.879920779
## 1920	0.5269120362	-399.97	-12.099608938	6.610515435	9.672528160
## 1921	0.1464860534	-41.76	12.478756192	1.060057378	-30.303529537
## 1922	-1.5525499961	-1823.55	-8.546974222	-3.934167295	2.031950010
## 1923	2.5557186447	501.28	5.838767354	3.317745984	34.646209403
## 1924	1.2187303604	851.56	5.752692686	5.373387142	27.465595921
## 1925	-1.6735468389	-107.19	1.018596402	0.040052029	9.150728787
## 1926	-1.5880354313	1161.54	16.621509088	3.904042458	3.456720249
## 1927	1.8139632031	1773.63	13.251185934	-4.925039447	-28.848901782
## 1928	-1.5732780873	-1090.86	-28.278669749	-9.420637746	-9.333891067
## 1929	-0.6549219353	661.53	21.051172600	-0.946170481	-30.992033000
## 1930	-1.5250255796	1317.63	15.607203927	2.868899579	-18.472029566
## 1931	-2.8604980334	-29.26	2.081880995	8.324930101	21.758686558
## 1932	-1.9718806294	-1278.99	0.888272300	2.670596216	30.248476636
## 1933	-0.7934314375	-837.15	15.182542484	-4.690736372	-15.352970013
## 1934	-0.2650338422	-547.44	-3.453593392	-0.980756914	-12.393745417
## 1935	-2.0191043777	-1022.47	0.269337325	6.724098845	15.200407522
## 1936	-0.3220531196	1766.23	22.531212435	1.481555568	-7.639562800
## 1937	1.0475744487	137.91	8.937458809	2.707308635	-16.856812149
## 1938	1.0210770644	-100.87	-1.875183126	3.414864235	6.540770978
## 1939	2.5188519670	-143.38	-22.770968401	1.076276335	4.709320783
## 1940	-0.7475654680	1669.99	42.258513018	-0.980312261	-31.255142071
## 1941	-0.9817385619	321.02	6.904232689	-5.541175756	21.573286407
## 1942	1.4932208558	-395.56	1.542628604	0.586681997	-16.487779449
## 1943	0.4003607860	-1705.42	-12.426171284	-5.049420852	13.289023141
## 1944	-0.5450608675	1062.16	1.451568554	-0.694886200	-14.105610942
## 1945	2.2139376442	-829.54	10.128289181	8.364090238	8.476863709

## 1946	-1.9761904292	325.29	8.163060309	4.722961353	9.615919165
## 1947	0.6803989379	-1129.43	-0.649118690	3.663192771	16.310591731
## 1948	-1.9908643369	-330.38	-12.670664780	-9.193389983	-17.546993711
## 1949	-0.7197829558	-1230.21	34.054018083	-3.913666761	-33.648116423
## 1950	1.1314177586	-714.77	3.211376836	-8.745843214	-4.962521708
## 1951	-0.0995266088	-756.44	-9.674231188	2.863328002	11.556777713
## 1952	0.8095129014	-61.15	-1.768855133	5.453091613	34.754663177
## 1953	0.5237386113	-621.41	-12.170478244	-0.726696036	-6.381348868
## 1954	0.2058317106	1059.42	20.327407575	5.150809332	-5.732372864
## 1955	3.1980381949	675.87	-5.953361063	-3.915667900	9.067873136
## 1956	-0.0879420194	1471.50	8.362816644	-1.532369803	-22.400484257
## 1957	-0.3025348475	-496.22	-3.603116776	-8.690789094	-7.197003766
## 1958	1.4635002768	-1203.83	8.203175903	0.940931115	7.796499497
## 1959	1.1342450494	-848.28	42.209875427	-4.499726113	-31.800723588
## 1960	-1.5824450145	-643.48	-1.993169585	2.648633610	-12.134172070
##	x41	x42	x43	x44	x45
## 1	-1.497117061	5.414063109	-2.325655231	1.674827032	-0.2643317923
## 2	36.292789843	4.490914504	0.762561031	6.526661558	1.0079272466
## 3	-0.368491192	9.088863582	-0.689885606	-2.731117783	0.7541995445
## 4	15.691545540	-7.467774995	2.940789490	-6.424111788	0.4197759616
## 5	-13.911297282	-5.229937159	1.783928434	3.957801134	-0.0969883090
## 6	-7.250310302	6.402343201	-2.064860144	0.923878636	0.3314524125
## 7	-15.596731090	-7.779833073	-1.153986135	-1.081094829	-0.5389827044
## 8	19.780494304	-3.711105232	-3.134008270	-5.805254957	0.9667623054
## 9	-26.215234612	0.330604237	-2.015630793	2.219909954	0.5338145590
## 10	19.267232084	-0.675887880	-2.560934854	1.326146027	0.4449967904
## 11	5.027775359	-3.903574937	1.938380058	-5.395413366	0.4599572627
## 12	-13.341481386	-8.749303213	-2.927836396	-4.118253520	0.7900903895
## 13	29.560258013	-5.199019732	-2.492574924	6.754616347	-0.9510784290
## 14	23.025274002	-8.812971420	-0.233724453	-4.021603154	-0.5731783690
## 15	32.286824854	0.724720293	0.702445720	-1.832472634	-0.0922115626
## 16	26.160508994	0.290090335	-0.984782184	1.954579411	0.3835492300
## 17	10.585942245	-6.545865725	1.088224034	-2.185281868	-0.2309791695
## 18	-15.869367520	-1.301406480	-2.784866364	3.139330481	-0.3304940342
## 19	7.815194096	1.138352107	0.065430564	1.069948837	0.8272657603
## 20	-7.006166985	-2.841042917	0.238350480	3.655176241	0.1775421529
## 21	-24.067768198	4.086220523	-1.423572439	-0.337205735	-0.1411156136
## 22	24.726106150	1.872374618	0.041610005	-5.288484448	-0.0125081743
## 23	-0.966943093	6.469039121	0.314868631	-1.920710706	-0.1170976118
## 24	-6.870319116	4.895321644	1.923326302	3.973709968	0.1714517212
## 25	35.157053088	8.456998800	-1.042660776	6.507828198	-0.2821663203
## 26	-14.796724509	-6.674115199	1.450139897	1.529027835	0.0030372776
## 27	3.488210498	-3.975451268	-1.474923725	-1.071205186	-0.1373187570
## 28	-29.872297521	1.304594880	-3.803901843	4.531656233	0.1840210671
## 29	10.346243339	3.093045397	0.291884234	-3.201416753	0.8537763033
## 30	45.536116406	5.295247821	NA	-7.541517445	0.2023960995
## 31	-21.898539911	-13.504937915	2.929376529	4.405484686	-0.5345922251
## 32	-0.952481668	0.018276043	-0.164894173	0.891893725	0.1492284940
## 33	18.086782033	-1.316231069	1.638467105	-3.570839070	0.3019671278
## 34	15.011580194	-3.526439180	-0.479044339	3.959919845	-0.7610980053
## 35	17.884831829	-7.885769606	2.395283620	2.076243453	-0.3326995669
## 36	-8.286870691	-5.529803312	2.011649820	0.720078932	-0.4768697552
## 37	-15.006338932	-5.475135162	-2.216801783	-1.879804935	0.3654764759
## 38	17.915944661	-2.209066433	-1.482595502	-4.115411956	-0.1640327891

## 39	13.313477199	-4.864800819	-1.554617632	3.124575463	0.5136647270
## 40	-23.949989823	0.748552436	1.972688331	2.333860995	-0.2901130616
## 41	3.700798824	-2.300290566	-0.871807335	2.110199764	0.0412156633
## 42	-0.247645850	-5.308981949	0.355079527	5.773478460	-0.0940289436
## 43	27.775514286	3.779820945	0.064401116	-0.947542270	-0.1231558499
## 44	-1.576605912	-4.613766478	-1.240954405	1.387817544	-0.4885795083
## 45	27.417376187	-2.135789711	-0.652280242	-1.189147577	-0.0368044080
## 46	-12.204860475	4.712037857	-1.931441124	0.917514790	-0.8396926628
## 47	9.535039854	-1.112269721	-1.988321732	-1.234896766	0.0182448104
## 48	17.729983080	4.739282728	1.248364883	6.512807267	0.4315283623
## 49	13.029896386	-2.101705509	-0.150941544	-1.161704301	-0.6000299741
## 50	-1.173401574	-2.620391954	-1.450366096	-6.794803408	-0.3965397470
## 51	20.054233886	7.977806203	1.661334455	1.365391705	0.3439217341
## 52	-6.480341822	9.139125785	-0.845979788	2.192060378	-0.1876456236
## 53	38.571419160	-3.440108269	0.860324878	-3.669689207	-0.0090623238
## 54	21.876733570	0.790740194	3.732384589	-2.259661661	-0.0033426195
## 55	-17.510218951	-2.314786413	2.638100990	-0.666786959	-0.5100416983
## 56	-18.040304195	-4.656899185	0.132954944	-0.772029855	-0.2095934897
## 57	-18.550338347	0.630085696	-1.732759500	0.801502185	-0.8736105674
## 58	3.801313176	-1.566771709	-0.017990208	2.045575461	0.6681361461
## 59	-7.741450212	1.228045666	-1.620082892	-1.735074764	-1.0254693707
## 60	24.836005262	1.099866963	-2.057437093	-5.033256934	-0.4161113781
## 61	25.990547315	6.545669904	-0.681915519	5.056153446	0.2040729511
## 62	9.970905487	-3.740109158	-1.612263709	0.951019764	-0.4491555006
## 63	17.960031642	-8.072169328	0.474011106	-10.210487386	0.0814453277
## 64	-3.574158191	-7.742995605	-0.584133111	6.206214578	-0.2272247020
## 65	20.491668110	-5.043932451	1.673354576	-2.187614108	-0.6900954012
## 66	54.019937686	2.674103225	-1.111231646	-4.894648650	-0.1732347517
## 67	-2.738150856	-5.456344008	-1.383334552	-4.356826615	0.1174140276
## 68	-8.889802917	-3.801834751	-1.523532243	0.307317713	0.2547877723
## 69	41.266412182	-2.194198975	2.499156372	-3.089905515	0.1568156560
## 70	-1.556536594	-5.261603781	4.071196366	6.867359637	-0.5394891334
## 71	21.503080059	3.231795567	-0.259302586	-8.697536338	-0.6364372377
## 72	-16.953557005	-8.698551926	1.154989487	-1.090634151	0.4087213086
## 73	42.750071953	-3.021197071	2.877438859	0.881539080	0.0513187339
## 74	-15.011472224	7.689428801	-4.024603711	-1.905293200	0.1181827665
## 75	22.873851796	5.369452974	-1.240426335	4.248236518	0.3248612172
## 76	19.476879477	-10.608815527	2.051980423	3.917774188	1.1796687390
## 77	-13.700986561	-5.425056771	-2.592486825	-2.914604271	0.2079400507
## 78	-6.463328376	-10.718484033	1.060017253	-1.784521005	0.2979076988
## 79	19.100072584	1.089146898	2.386747326	1.666442454	0.5834508423
## 80	9.549968742	-8.936937928	0.251434474	0.851741413	0.4414441313
## 81	-6.691100947	-2.563692712	1.803751838	-2.919817697	0.4338436500
## 82	-9.312590156	-5.201325690	0.009505982	-1.658386877	0.1820136335
## 83	-20.354287944	-5.661261633	-0.982403516	-3.188070396	-0.4084774714
## 84	-10.638398823	-1.052743407	-2.332084300	-5.897168249	0.1239271471
## 85	9.072839008	-0.009861409	0.519346113	4.053457206	0.0020561276
## 86	18.481666595	1.555900455	2.280163574	-1.617169232	-0.2294821056
## 87	-16.612872741	-1.456807163	1.453755613	7.980081034	0.0043031338
## 88	-26.434313964	0.698481669	0.743464914	1.193131039	0.1482469594
## 89	-2.831556207	3.581806386	2.187995835	-1.322080534	0.2947953413
## 90	4.106791233	-5.813599900	-1.723334780	1.377831059	0.0298130754
## 91	-5.647316844	-6.594392248	-2.031710448	1.908134089	0.2647358524
## 92	14.451299972	-2.143130441	1.196607241	-7.626189203	0.0668943862

## 93	2.409579835	0.328771748	-0.606315658	-6.742519691	0.0249695010
## 94	0.082025427	-4.763574993	-1.698866806	-0.603731302	-0.0512010034
## 95	-25.928741338	-5.446816993	1.834546189	-10.774330900	-0.2661474266
## 96	-13.986417143	-0.500209012	0.036581079	1.679036995	0.1017703586
## 97	9.181553499	-7.401623765	-0.342134329	2.529725252	-0.2903422826
## 98	13.837051093	1.975180206	1.768661664	-0.366369904	0.6411838720
## 99	5.613890475	-4.310163088	0.174643896	3.763551384	0.3119783476
## 100	1.866736907	0.537837948	0.669716503	-0.422340911	-0.0710365978
## 101	24.758808954	-8.131140413	0.102097757	-3.546005423	0.6366090479
## 102	-23.093084851	-3.035700569	0.563065775	-0.807684569	0.0427966247
## 103	12.005261404	-8.424222582	-1.177883395	6.625451068	0.3227539492
## 104	49.702996804	-8.341317331	1.488949546	5.387561207	-0.5463033762
## 105	23.606125508	4.491035973	0.223396187	-3.437057893	-0.0154898021
## 106	-4.054658872	4.622108780	1.507167902	-5.691754877	-0.3201057511
## 107	-2.145106066	-2.994178709	1.065299380	2.338373477	-0.2481758630
## 108	24.270129250	-4.588776617	-0.588345090	0.748705906	-0.3226648911
## 109	25.091072290	-4.321957913	1.705618204	-3.146490524	0.1994062267
## 110	15.318595010	-3.560486562	-1.254161074	-1.678376409	-0.3071873785
## 111	24.512656978	-10.022933162	1.558835293	2.840804406	0.6472318311
## 112	13.938943904	-5.756243458	3.508443252	3.852773565	-0.2750574161
## 113	16.831126663	-4.889279076	-1.134439256	-1.773628776	0.1422035183
## 114	11.602057421	-9.138214173	0.291573779	5.515053035	-0.2596846901
## 115	-6.926494694	-8.432088658	-1.822239178	6.165773514	-0.1488651668
## 116	14.364943119	0.842749012	-3.336362012	-7.683077988	-0.1271128986
## 117	35.788764362	8.227398592	-1.247853704	-4.041084959	-0.6691778455
## 118	-2.591791584	-3.865704160	-3.186978688	-4.225427043	0.2143321705
## 119	-3.970157399	2.520346101	0.509566172	5.318542615	0.0623207940
## 120	1.436878967	-14.963305584	-2.347757614	-3.848430580	0.4822435885
## 121	20.401721919	-9.649571369	1.327042261	1.276929664	0.1122725241
## 122	-2.789858402	-5.695513170	-0.528136815	-0.539360205	-0.0870623988
## 123	17.856873651	-3.759942811	0.366444645	-10.624034084	0.1315328238
## 124	26.889609887	-8.395719485	3.963036679	2.266067590	0.4849035536
## 125	-7.073418920	2.043211154	-0.841716523	3.208463233	-0.2804676049
## 126	39.510141982	1.130681297	-0.149623408	-2.313490349	-0.2224241106
## 127	16.366107611	-9.924909589	-0.144485891	-1.511030717	-0.0573567750
## 128	17.980337148	4.619725858	0.727521560	-6.919944449	-0.0231817534
## 129	-0.303941261	-0.625630616	-1.209070313	1.346396837	0.4526522125
## 130	5.917097786	-3.444611980	-2.104281618	-0.777662741	0.2962705194
## 131	33.154487831	-6.191203950	0.803316338	0.885448253	0.4151501015
## 132	26.212649630	-2.917957087	-1.579595314	-5.029901704	0.3212226888
## 133	7.219632332	5.167366909	1.206820711	0.767032453	0.3314065703
## 134	-3.624128482	1.139520582	-0.375180051	-1.221870953	0.5865889701
## 135	3.984166152	-3.875355545	1.145026176	3.611687226	-0.3157003580
## 136	34.488643821	-3.246308302	1.692101056	0.624723659	-0.0055636663
## 137	8.678459327	-3.925896302	-3.148776479	-4.261357534	-0.0200149552
## 138	11.731866325	0.300290692	-0.363543321	4.109336352	-0.0579124298
## 139	12.331230548	-14.296407613	3.302773290	0.604496110	0.3840685823
## 140	1.333643070	-6.248417649	-0.406871804	-0.298622152	0.3179861038
## 141	16.967094097	5.297835978	-1.517648442	-1.164977653	-0.3976109930
## 142	25.570595708	-3.906739806	0.289762054	-5.686762742	0.1625615907
## 143	38.661866756	-6.184038236	-0.477781601	1.911573793	0.2196098636
## 144	9.650488214	-6.499540777	0.132116785	-0.178718703	-0.1887135695
## 145	-15.992289237	-5.200650588	-0.805130759	-0.241353374	0.0938519699
## 146	26.465189612	-1.783921644	1.016916418	4.040672970	-0.0659523810

## 147	17.475958369	-6.828667521	-0.646256500	3.037024195	0.0384627170
## 148	10.212574397	-5.059819809	-3.758664979	0.197490434	-0.4438756294
## 149	12.863988817	4.129046121	3.222998921	-1.368943887	0.3613299944
## 150	39.504283739	-0.705966025	1.595676676	1.560180032	-0.4753705751
## 151	9.096865060	-8.100857918	3.240897547	-3.698219749	0.3288317254
## 152	19.662728682	-8.943095229	0.503985060	2.924478268	-0.3750998004
## 153	-13.945911702	-5.367316550	-0.720416702	4.093962376	NA
## 154	5.575355708	-0.860443432	3.000694561	3.656951700	-0.3533431569
## 155	-3.644695520	-5.178583533	-1.007775430	-5.620677357	-0.5836213464
## 156	12.712391533	-0.021236544	1.320726267	-7.104647852	0.4710744935
## 157	-7.180569060	-1.875930779	-0.145676952	5.031018244	0.0436664259
## 158	3.062436072	1.761441469	0.050682302	3.641149132	-0.5929100323
## 159	25.262960870	-7.101786432	-1.914050231	5.883138159	-0.2563547040
## 160	-2.117807787	-4.059534030	0.431552466	0.141446454	-0.2847965058
## 161	18.251619575	-1.499251972	-1.127470742	-0.947017905	-0.0064792375
## 162	5.778280330	5.010327144	-0.095135584	6.952552554	0.2916943548
## 163	15.190519341	-6.088366035	-2.322517124	-1.368278663	0.3367398006
## 164	36.684906604	-3.701112875	1.666378715	3.234437059	0.0556211206
## 165	4.255649557	-5.843041285	-3.084519961	0.294744503	0.3085014684
## 166	14.863912150	-0.182794781	0.239961082	-1.281533309	0.7233161023
## 167	13.963600286	1.258067014	-0.659462317	-1.820532378	-0.4687239388
## 168	39.315378890	6.561240433	-1.147538315	-2.654138631	0.3499666481
## 169	-10.207672749	-6.863942838	-1.605498854	0.614422250	0.4307209634
## 170	17.975534313	0.893670213	-0.687642617	-0.765380066	-0.3556518339
## 171	-7.886315838	3.168282251	0.677060166	-1.106054584	0.1161984330
## 172	-40.557690767	0.141948169	-1.693726973	0.940461062	0.3974830614
## 173	6.757714316	-4.549922161	0.246129608	2.057442523	-0.2106090518
## 174	-37.659575828	-14.474510638	0.672552191	-3.731192008	0.0169986043
## 175	32.009702746	-6.060411815	-1.163933381	0.529721292	-0.0706666847
## 176	1.720911676	-2.573398519	-2.617289197	-1.428156500	-0.4016809709
## 177	-17.946624076	1.061627826	1.047624736	-0.013036305	-0.2552330215
## 178	12.839174670	1.618364614	0.690413497	4.028672756	-0.1221148026
## 179	10.512233695	-1.290101989	0.676241255	-1.104289452	0.0503958169
## 180	21.007587179	-3.765981898	0.016894371	2.992147894	0.3439809050
## 181	28.593038756	3.061523821	-1.113971876	7.554466808	-0.2226336345
## 182	7.732460622	1.135801142	1.060332032	4.172644289	-0.0336929922
## 183	26.905754822	1.198849944	1.109750517	3.869927950	-0.2171811322
## 184	20.036308279	3.999252852	0.948302438	5.110174007	-0.8283767323
## 185	-11.914837025	-8.221986985	0.426971502	-1.544708859	-0.1717314606
## 186	-12.013702498	-4.635227980	-2.936636359	3.049494934	-0.0617963575
## 187	8.239530262	1.917648575	3.571786514	-7.541583508	-0.3341100846
## 188	-44.631992887	-5.559583103	-1.655650215	5.495812562	-0.1598750646
## 189	12.626703780	-4.926228888	1.504546858	1.045599240	-0.1689969021
## 190	14.968967548	-2.474714615	1.805281676	1.443224791	0.3423785856
## 191	1.400333006	-8.044482764	-1.487152325	1.805186639	0.2594762930
## 192	7.211183906	0.311332935	-1.569191924	1.558838183	-0.1553691898
## 193	47.269212367	-6.827341880	0.453608333	-0.787666520	0.1038947649
## 194	10.477981042	-3.458495457	-3.825213795	1.720306873	0.5901797299
## 195	5.185604775	-5.709558748	-0.361456976	-7.901595024	-0.7533048373
## 196	-7.371151482	7.117031120	-3.397401738	0.932946053	0.0631640198
## 197	8.126875663	1.132635779	1.509309203	0.401037655	-0.3300054274
## 198	9.019749012	-0.916903353	0.462326143	1.540470820	-0.1225804659
## 199	9.702709420	-8.566538256	-2.113268352	-6.241971791	-0.2646856484
## 200	-23.485376032	-1.818206685	0.721481319	2.948284893	-0.2140464161

## 201	-3.889040571	-0.839227717	-2.263279818	2.571083744	-0.2111227487
## 202	-13.599215317	7.401633100	2.913802892	3.337985946	0.4218220777
## 203	6.770818922	2.884518248	-0.431132367	1.639845133	0.3907974341
## 204	-2.850101550	-8.788457056	-1.432068057	0.805106866	0.2467668285
## 205	-3.799825187	0.315376023	1.989162772	-7.390693937	-0.1071977065
## 206	7.625785459	4.604730859	0.713806852	-6.132610034	-0.4931388116
## 207	-6.512221624	-14.076426664	-1.978523991	-2.160426140	-0.4049018272
## 208	7.979583043	-3.206447799	-1.499134393	2.932607697	0.3532409663
## 209	23.866920355	-7.379712228	2.315257683	-1.150370091	0.0399620267
## 210	-3.676300157	-5.145374633	-1.380601232	0.118762352	0.2340474110
## 211	-13.017045315	-3.678855059	0.557735495	-2.165936450	0.0377400255
## 212	-21.570939162	-10.283298215	2.553779107	-2.102087803	0.2404596013
## 213	-9.796805070	1.678012419	0.192888727	-2.957882838	-0.0616074584
## 214	-7.467186068	3.369419293	-1.370600107	2.971247265	0.4731696617
## 215	-37.800127966	-0.543714967	-1.995661072	8.804295338	-0.1343482385
## 216	-21.318741008	-9.235744308	0.113516957	-1.022194726	0.3601710875
## 217	11.861145103	-4.358689775	-0.825928322	-3.059991664	-0.3721715116
## 218	10.646270195	0.521338487	-0.521253411	0.013528757	-0.3495802599
## 219	44.995956133	0.822744270	-1.909770061	-5.298674658	0.0322860831
## 220	12.919273874	0.573391465	0.492994929	0.034329696	0.0692198857
## 221	-1.111788798	-1.650238925	-0.868279311	5.641195739	-0.7477762499
## 222	9.369872881	-11.810606940	-0.286022152	2.828703320	-0.5644292813
## 223	3.140880519	1.589666508	0.404565972	2.453673389	0.3722110700
## 224	6.691895890	5.971613372	-0.512189967	5.191002811	0.1116166171
## 225	20.167245987	-6.394811863	-1.710975526	-3.590697151	-0.1805601606
## 226	26.826931839	-2.808634692	1.638631341	0.818617777	-0.2912034892
## 227	-13.892896168	3.961734265	-0.011778864	-0.958369223	-0.1837124929
## 228	13.100561465	4.372072692	-0.046775146	1.873355666	0.1753427189
## 229	8.976757241	-1.347707884	0.366315917	4.273325074	-0.0949634189
## 230	-23.419417679	-4.124185285	2.844816428	3.625235368	-0.3282507189
## 231	10.050536828	5.555023787	-1.442256222	-0.123986852	0.0340449265
## 232	12.251705627	-1.641230843	1.981502105	-0.352729286	0.4657835186
## 233	16.248459103	-6.568928992	-1.512973886	-5.549722466	-0.2060168548
## 234	21.681457944	-4.023881694	0.548624525	5.335946055	0.7177671712
## 235	13.472635807	-5.425306984	-1.230193595	-2.042562760	0.0531041430
## 236	-10.581239347	10.349985526	-1.812932870	8.527515611	0.1356445540
## 237	-7.851527609	-1.375623045	-0.812673960	0.196450330	-0.4829565396
## 238	18.734067150	-12.849095210	0.937323602	1.234024185	-0.3348792825
## 239	-17.622115000	1.607760101	2.063360364	3.239486884	-0.0409147969
## 240	20.975558306	-0.445303843	-1.272566543	-5.186693150	0.3019424035
## 241	12.025870260	-3.482763143	-1.624933979	-7.961035874	0.0020352933
## 242	20.409503881	-4.769206970	1.592483601	6.120126146	-0.1255557084
## 243	-0.089756453	-9.081550070	-3.244151933	4.782994206	0.3948606346
## 244	-5.404276940	-1.312241005	1.378464432	9.776767050	-0.5756578504
## 245	26.478311854	-8.612690836	1.528541311	-1.796866282	0.6141642684
## 246	34.566793905	-4.321663376	-1.396204049	6.036872650	0.0357908446
## 247	30.893684471	-0.697598318	1.708372004	1.381749932	-0.7325357932
## 248	27.879909317	-8.288834499	-1.706699184	-4.795047412	0.1421749154
## 249	12.028285577	2.073222097	-2.733757999	12.385796410	-0.5961092107
## 250	4.445058656	-7.048294029	1.133664290	-4.772212762	0.4004988304
## 251	5.466302204	-11.501977010	1.816214314	-6.841533470	-0.4187852325
## 252	-12.806064267	-1.822669699	-0.556704601	-0.576839913	0.7702523656
## 253	21.761643027	2.159308667	0.757186753	2.157889895	-0.1922111843
## 254	20.392764333	-2.049244954	1.268615826	-0.345083483	0.9387677570

## 255	3.326602633	0.964859043	-1.499336800	0.427104308	0.4048433459
## 256	6.448239481	-3.438984438	-1.057184686	1.482649925	0.2298094320
## 257	21.586532189	0.338818371	0.866021978	-4.772080319	0.1640156456
## 258	12.265393367	1.292714803	-0.420039755	-8.799071428	-0.4642257041
## 259	7.971659381	-4.075540236	-0.504964230	-5.758509386	-0.5986206344
## 260	16.578614963	4.596777840	-0.546981403	-2.483798344	-0.5227575365
## 261	-4.023111226	-3.051585801	1.976944540	-2.551980169	-0.4555630172
## 262	41.195857435	-6.372324680	0.956465191	8.592820842	0.0298936065
## 263	16.019015260	-1.517934340	1.120648926	-0.602166506	-0.4270962188
## 264	10.798537704	6.610925028	0.495417467	-2.766095767	0.7685741471
## 265	5.577074225	5.282054170	2.224947132	-3.993798458	0.2378194465
## 266	7.506003298	-1.093014676	-0.288362043	3.993318157	-0.2879788732
## 267	16.672249376	1.891976028	0.271988734	6.492840121	0.4795342099
## 268	12.966093159	-8.298739272	-0.302496645	-4.953293165	0.2016016320
## 269	-11.229233728	10.623146434	-1.022417753	-0.419701222	0.2522693569
## 270	16.147387735	-3.069028333	-2.705044685	2.058375862	-0.0793172734
## 271	27.493766198	0.870259146	1.946131498	9.740635901	0.5080075302
## 272	0.372270665	-5.755418874	0.982832088	-0.615047854	0.0200148988
## 273	20.919892562	-5.859354463	0.008010188	3.609278757	-0.2000188846
## 274	32.903834335	4.884779565	2.269473278	4.176019933	0.0309908185
## 275	32.260521661	-7.487820073	-1.232488068	0.464965433	0.5904245843
## 276	13.991163737	-4.957256416	0.042496628	-1.898502482	1.0191813643
## 277	12.354987870	-2.045133049	-2.988344597	-3.261262371	-0.4570534867
## 278	5.652865380	-1.663776345	0.946486842	-11.181528662	0.4089295103
## 279	8.643471804	-4.274724349	-3.376973837	-1.444150335	0.2642904493
## 280	-13.412826282	-4.678103218	-1.766891867	7.822524699	0.7684193783
## 281	-20.592476514	-7.475891479	-1.080741630	-5.656206170	0.2276234809
## 282	-17.891228115	2.680396708	1.716416397	-1.671733793	0.5923162942
## 283	-3.538494909	8.505784265	-1.465758993	0.564661578	0.0722841152
## 284	46.686034123	-3.495451337	-0.441336259	1.537539408	0.6601140431
## 285	-9.337489103	-4.804670755	0.339924008	-3.827506201	0.1211980961
## 286	14.232533672	4.003655211	1.018596352	-2.713150849	0.2772662283
## 287	7.293185940	-0.044724021	-3.143598379	0.539581722	-0.3476579681
## 288	3.361622600	-7.956398196	-0.114362449	-0.680393274	-0.2651664735
## 289	8.855595674	-4.162315558	3.870389303	8.362928715	-0.3046476187
## 290	-2.188104972	-2.901123976	-2.572229457	0.950158780	-0.1018063529
## 291	4.425029729	4.786650922	2.617359956	4.014784426	-0.0213553670
## 292	12.325199221	-3.258003600	-0.407949807	-0.536213112	0.4349533265
## 293	15.032871220	-4.045139087	0.543683454	-1.328925859	-0.2505478497
## 294	45.682499807	-0.574848400	1.071746692	3.031160660	-0.3373439952
## 295	17.222921610	1.229064496	-0.554407914	3.463240953	0.3164156671
## 296	19.919360071	1.867117384	-0.354839428	11.824429145	-0.4721320887
## 297	29.668180642	-10.394916684	1.518623587	-0.870124735	0.6816489468
## 298	-13.509791983	-0.748810115	1.090648559	-4.872732698	0.0177406390
## 299	-21.267430290	7.582079940	2.601904897	2.757536596	0.2755426212
## 300	36.472460681	-7.245452185	0.530945014	-5.110573178	-0.1392603609
## 301	-8.532115802	-1.388292049	-1.692005804	5.739365929	0.2943654719
## 302	-19.810514370	-0.386127937	0.687938186	0.789117183	0.5509041097
## 303	23.416429377	-0.691659575	-0.580218667	2.045579941	0.3471953209
## 304	35.419241578	-3.881814585	-0.744275165	1.564835506	-0.5539611315
## 305	24.165730535	-10.527853846	-0.054860484	-1.861946157	0.2257463784
## 306	22.579557397	1.064676916	-1.819753969	0.114577855	-0.0044807926
## 307	-25.672254331	-6.040303121	-2.056698360	0.862873260	-0.4337436663
## 308	8.051155428	-9.233628902	2.325473484	1.920653204	0.0374096140

## 309	5.090261184	-0.854025343	1.950361325	-4.390953837	0.1865962890
## 310	-2.392235009	-0.684910713	0.653797664	-6.199331869	-0.5460236176
## 311	-24.319973667	2.554793438	0.830003879	-3.251110241	-0.4665232200
## 312	-11.268639338	-4.151548986	-3.626068526	-0.301730065	-0.6270179264
## 313	34.213914313	-8.309564710	0.613205026	3.488487008	0.0710421885
## 314	43.366404066	-1.394753902	0.325323238	1.166705561	0.1437921208
## 315	15.237198781	3.816652859	1.822878105	-3.866873816	0.4094359560
## 316	10.088817780	2.216022265	1.062218126	0.369201979	-0.5340344891
## 317	-9.163161980	1.075462312	0.997927092	0.228690720	-0.0982545411
## 318	-0.636126383	-2.793841168	0.116298471	-3.023115038	0.3854633479
## 319	2.195276065	-0.892040904	-0.156101050	-8.572669401	0.4039545798
## 320	-24.762551486	2.403533104	1.049628987	-2.830853547	0.4794017732
## 321	-26.375217749	-19.336861980	2.283682637	-1.349023350	-0.3943303809
## 322	20.874960303	-0.216382936	-2.109945063	-0.523716362	-0.0967556447
## 323	2.272536071	-3.979591261	0.605336069	-0.042308108	0.0619343395
## 324	5.951048888	-7.979831822	-0.387370935	0.481698001	-0.0737536718
## 325	-6.050609181	-2.862705328	-4.749550857	-0.183212808	0.1743585062
## 326	27.740785707	0.231952471	4.214184860	-3.156316071	-0.0882263340
## 327	-22.483908642	1.182743264	1.480695542	0.705224604	0.0050605470
## 328	15.538045725	-2.798756934	0.887747013	-2.369283587	-0.6697347152
## 329	14.968842631	-15.570203944	0.408296906	3.153581729	0.0216431991
## 330	26.491751960	-4.031410557	1.651113824	-4.872119021	0.1953730472
## 331	-51.147185047	-4.351747438	1.216009185	3.933134395	0.2667485324
## 332	16.870430921	-0.688477054	2.134208483	-1.719114312	0.0327822371
## 333	-10.866315538	4.214552232	-1.249578687	-2.010037246	-0.0235509631
## 334	-21.213371009	-2.794491186	-3.175301683	5.983295215	0.4804095387
## 335	-24.699112544	-9.558657033	-0.209602036	-4.477996141	0.0219391098
## 336	12.200806725	1.569676782	-0.008269119	-4.771051617	-0.0309895489
## 337	-25.334294194	-11.303856020	-2.508991428	-8.379641736	-0.6002333011
## 338	35.975119285	9.326148058	1.149648201	3.099616281	0.1424348076
## 339	36.306385997	-0.871003285	-0.333639110	-0.345038666	-0.1956307455
## 340	8.454326505	-7.976030073	0.892718904	0.522567281	-0.5630159663
## 341	27.476443122	-5.058771056	-0.131520499	-1.466968865	0.3943705877
## 342	1.093518260	-3.954059166	1.414224408	2.515038468	-0.2405798548
## 343	47.634238925	-5.093880559	-1.452357589	0.810642671	0.3233997627
## 344	7.503336021	-7.638349677	-0.121380258	-5.945644562	-0.4716198815
## 345	-4.807633506	-3.118281850	-0.701715787	-1.460402256	-0.2589660584
## 346	-15.333656868	-10.267450180	1.408646223	3.781984027	-0.0929967529
## 347	-18.170352404	0.035416044	-2.192934836	-6.024845777	-0.0983176803
## 348	4.835501158	-9.029317160	0.240908872	-2.337472222	-0.2787913804
## 349	2.441593342	-12.179853974	3.635236654	-0.573940546	-0.3139469935
## 350	26.913573462	3.997774505	-0.655301713	1.995822593	-0.1970065820
## 351	-20.217155757	-0.612310832	-3.164466512	-2.302786890	0.2936710783
## 352	16.482377490	0.652106170	-0.068955858	3.046351327	0.3725394808
## 353	43.242374471	4.723063435	-0.458216512	3.487004265	-0.1067358275
## 354	0.289298756	-8.572801916	0.086223890	-4.318454405	-0.0033250026
## 355	40.848550321	-0.029224801	-1.190492310	1.918399805	0.1781051468
## 356	-5.059704462	-0.828034170	-1.558898082	1.524263111	0.3852777670
## 357	-11.815595796	-0.690619543	-5.286318973	-2.147447468	-0.0806758277
## 358	-2.682455736	-4.334309785	-1.924215074	-2.801941493	0.1382712099
## 359	-12.781427268	5.322758526	-0.890572232	5.073384528	-0.1980280915
## 360	29.269885177	4.705533769	-2.658249345	-2.482482927	0.0564592863
## 361	37.791042064	0.916657358	-1.086650910	1.491318727	-0.3670061662
## 362	-10.931659544	-11.609820951	2.433568045	-7.417318760	0.3799126446

## 363	5.930808387	-4.559023763	-0.729192106	2.640694948	0.1200809264
## 364	42.995134071	-8.707763729	-0.406770470	9.082144602	0.1035586214
## 365	-6.583057957	-2.042487160	-0.783099525	-0.772820819	0.5700946983
## 366	-13.794611754	5.446833094	0.643030448	-2.509682340	-0.1110756575
## 367	6.024892716	-6.581566790	-3.075865009	-2.954928889	0.8086308400
## 368	28.552399921	8.673132898	1.328672540	-6.743985642	-0.4225514749
## 369	13.188484700	-3.060374166	0.930503918	2.802923797	-0.3364858203
## 370	8.474225130	8.313672258	0.844865636	5.856080938	0.0419268570
## 371	22.507221656	-2.954996994	-0.686790998	1.640937751	-0.0200301689
## 372	57.606115935	-3.644172960	1.426522531	-2.377179499	0.0556232236
## 373	-0.483173536	-2.585900966	0.910016719	-2.661519910	-0.1159046060
## 374	-11.540714982	-11.149236045	-1.656423617	-3.023202880	-0.2514483828
## 375	17.885469562	2.317635518	-0.414457378	0.635730623	-0.1383572873
## 376	-4.663034164	-3.156856802	-0.455766575	-2.227211718	0.1545864903
## 377	15.484642052	-5.502573791	-0.823077850	-7.733020534	0.7442886736
## 378	22.614128431	2.158295023	-2.044858825	-0.089127280	-0.3149370189
## 379	30.431171860	9.375015858	0.426212638	5.522136706	-0.2837894823
## 380	24.020553524	-8.846265559	-0.581828209	-1.274179665	0.1030351273
## 381	-9.024042552	-6.389973888	1.726574999	1.058536680	-0.0443884700
## 382	30.606368219	6.417932019	0.080267311	1.565410777	-0.5417323145
## 383	-12.125178498	-4.708967079	-0.413080965	4.365570037	0.2179126981
## 384	34.690832135	-3.747039486	1.678086942	-1.069681731	0.2828847211
## 385	28.005309870	-15.514012070	-2.426960552	4.917767114	-0.0296905510
## 386	-10.714579897	-4.610827820	-0.803482222	-3.213843863	-0.3247370496
## 387	18.939076285	-3.117155059	2.570438212	1.540028774	0.2192076899
## 388	12.296186818	-4.726630428	1.431321168	6.685828861	-0.1807667440
## 389	25.432534287	-3.963858176	1.194240014	-7.470548376	0.0139889198
## 390	3.745416930	2.493538296	0.507503100	-2.853354302	0.0176957106
## 391	31.930839711	-2.459364727	-1.657261081	5.920022225	-0.7085905520
## 392	15.863423277	-5.887814753	-0.350259857	-0.608352162	0.5314992924
## 393	3.930624108	0.579219645	-0.125083604	4.013943975	0.5006822931
## 394	14.988819235	-3.386221617	0.485839964	-8.023509512	-0.3813857989
## 395	3.741581956	-6.785813700	3.126835902	4.053151563	0.1190941813
## 396	39.916920656	-8.652683519	1.272385269	2.897471342	0.1502318018
## 397	-0.060318918	0.175591685	0.416138771	-0.022178979	-0.0757104561
## 398	-0.686147922	-5.768981587	-1.278197172	-6.345142084	-0.0695501674
## 399	29.349137147	5.084384453	2.564432452	3.980401170	0.5324109859
## 400	22.328611580	-2.126580643	-1.194822919	2.184863951	-0.4105109614
## 401	9.894632785	-0.129106663	-0.489894845	3.840761284	0.6122604361
## 402	6.267018409	2.504438814	-1.500117785	-4.524564917	-0.1227206345
## 403	11.102207975	-7.461007023	-1.026370143	-0.469730160	0.0217257561
## 404	21.981907813	-4.299497003	1.081633671	-3.307284758	-0.1832025685
## 405	22.795525001	-0.282685083	0.293185992	7.252009822	-0.3670188590
## 406	31.230044282	-8.762773512	1.409479429	11.522146230	0.3012709393
## 407	-0.187885774	-1.253996341	-0.494347652	-8.282811781	0.0723571950
## 408	33.037019038	-1.093853645	-1.584728486	-6.573741042	0.3650560532
## 409	7.576910837	-0.951568698	-0.846741643	-0.458420743	0.1044162769
## 410	10.587297696	0.178521896	0.830888263	-2.330604861	-0.3146042215
## 411	10.529059347	-1.365608714	-0.131706207	-4.516486514	0.5536764715
## 412	13.644983888	-8.720663580	-1.695822814	1.740176413	-0.4294610035
## 413	47.827471724	-3.397458067	-0.303879979	-0.884744762	-0.1284360705
## 414	6.597844832	-2.414707824	-0.309110705	3.538153002	-0.2621858403
## 415	-18.199518492	-1.197599900	-0.148181914	-0.065839093	-0.1586709524
## 416	3.139321569	-4.770129530	0.237398021	2.989682201	0.2667377746

## 417	10.479171605	-0.209527333	-0.428326103	-1.402558777	0.3290677440
## 418	-60.718726031	-6.107738804	-1.023741904	-1.548463303	-0.1243762219
## 419	-8.151169367	-5.925734059	1.044567606	-2.317433180	0.1967277820
## 420	-12.149560641	1.494542995	1.154206970	3.173717096	-0.0735800587
## 421	14.202652822	-7.971842172	-2.452573622	-3.619968796	-1.1540409994
## 422	39.354833526	-5.921814393	-0.553472143	5.065452862	-0.5465043780
## 423	48.065503741	-2.822957813	0.519648850	-0.148799146	-0.7429293803
## 424	20.097465621	1.910485173	1.088518714	3.727171609	-0.0054373584
## 425	40.378738731	-1.398633247	1.257666155	7.565419140	-0.2938582482
## 426	3.110862073	-1.447891133	-0.232681126	6.340180594	-0.3873779087
## 427	3.878350719	-3.033957909	0.061115916	-0.044419796	0.3257387167
## 428	26.007720524	-0.881245496	0.099098503	0.267422780	-0.7004248738
## 429	7.800585627	-3.652453966	2.062283775	2.082104197	-0.5078710060
## 430	-11.487356514	-11.222121974	2.593511462	2.464606614	-0.4309838830
## 431	36.406515798	0.610935300	-1.445720825	-2.547701040	0.0349386736
## 432	17.875627686	-3.655715074	-0.473711615	3.925863780	0.3839583873
## 433	4.496940120	-11.780818602	3.277892489	-2.099243818	-0.5004354438
## 434	17.876080713	-4.367610770	-0.675350395	2.211205987	-0.3682205382
## 435	-4.921716618	0.732444516	-1.561062422	-0.815346154	-1.2677061071
## 436	-33.996446746	-2.016706609	1.838156305	0.994269097	-0.3093818614
## 437	14.427247370	-5.170920470	2.495906621	5.827848298	0.0940485629
## 438	-15.473253698	-3.360342522	0.143451661	1.519178164	-0.1680448653
## 439	26.122574279	-8.846310666	-0.855537503	4.496192041	0.0008211812
## 440	-18.560358591	-3.333610973	1.494201715	3.101488472	-0.3083232710
## 441	32.436164034	-9.122671832	2.169880202	-2.441273602	-0.0637115013
## 442	24.442319690	-7.959964401	3.527099936	8.594516369	0.6180762842
## 443	6.398679035	-3.333853481	0.633136586	10.668247661	-0.7120794318
## 444	4.055561198	-4.089557791	1.889641714	2.510471646	-0.0045606928
## 445	11.573013748	-0.222222711	0.427518794	-2.645184482	0.3303723012
## 446	-29.968051277	-4.038398319	1.027206042	0.975271924	0.0810980974
## 447	-12.983376357	-6.936026711	-1.029259990	8.966128022	-0.0878002313
## 448	22.768550177	-6.476448147	1.779099380	-4.494575923	0.3143315846
## 449	2.270334568	-7.111727955	4.789698677	0.983428575	-0.4139146362
## 450	10.971838044	-5.826651100	1.158283799	1.762338618	-0.0452197540
## 451	-11.269167299	-0.010310019	-1.192368209	1.084612278	-0.3367055110
## 452	47.427785803	-11.503072749	0.881552870	3.565761754	-0.4962718257
## 453	-17.638744254	6.638004301	-1.329656993	-2.836785399	-0.0810983209
## 454	-7.047336228	8.218373260	0.843331723	1.622019787	0.0004919998
## 455	6.996577332	-4.382355984	-0.628287376	-4.264863133	0.3801300517
## 456	2.050083825	-2.497020320	0.981209959	4.655096347	0.2295536396
## 457	13.778135855	-7.598688825	-1.994350094	-1.281125884	0.2887608114
## 458	-0.115098597	-4.479678119	-0.267275466	1.968953186	-0.4368891241
## 459	-18.874077041	-1.974741924	-0.313105984	1.891724344	0.9141633294
## 460	1.432283158	-5.096683393	1.445660188	5.143552098	-0.2623616264
## 461	14.670652884	-1.270558315	0.863177616	7.165377318	-0.0287311070
## 462	25.325156610	-4.029691867	0.007596567	-9.300758896	0.2548044891
## 463	3.738835118	0.929910104	-0.867475214	-1.724850063	0.0352086465
## 464	26.300100661	2.553213549	-1.375810698	-0.658460537	-0.0769576309
## 465	-18.172679373	2.627995742	-0.189710216	-0.523418330	0.1974886385
## 466	-0.731232851	9.648105922	1.383038689	4.759912543	-0.0636125060
## 467	24.910276089	-8.260125239	2.564591339	0.968524148	0.1136273904
## 468	0.194223201	3.776029914	2.059423931	2.853415695	0.0739169873
## 469	19.528042546	-5.657596809	0.884780264	-0.898558401	-0.3739373118
## 470	-0.440744676	-2.925426921	-0.110156224	-6.591476437	0.0006374869

## 471	-9.789205934	-5.141791990	0.773510219	-2.400068083	-0.2310596416
## 472	-43.746388994	-2.391605181	-0.135941407	-5.065040646	0.1689921316
## 473	-16.644883170	-4.804962414	0.827486824	4.858342163	0.3128305631
## 474	27.643698859	-5.534159881	-1.495716407	0.980661745	0.0436768547
## 475	-3.614136692	-0.787421481	-0.618197662	3.738898577	-0.1058524540
## 476	-8.026708342	-4.874771063	-1.634159225	0.403266631	0.4905785744
## 477	-1.120388232	7.254985175	1.427284528	-4.473578635	0.4997729445
## 478	-23.458061861	-6.024946323	-1.364819356	-4.406713052	0.0631436755
## 479	2.015798875	-5.825218345	-0.443854113	3.938582621	-0.6181176734
## 480	-10.552799142	-5.180779930	0.674024486	-0.854174320	-0.2123183558
## 481	-14.269127392	6.251760181	1.062787568	-9.605759966	-0.0871828584
## 482	-4.193206519	-9.202371850	2.528937199	-1.392357841	0.0386381057
## 483	-14.353728071	-9.655363483	-4.525605764	-1.115718243	-0.0629645103
## 484	19.483522439	-1.709029507	-1.333526775	-2.797178501	0.2367942616
## 485	22.940859420	6.262748995	2.245193934	1.078854972	0.4998846403
## 486	10.988251781	2.766651032	-0.926442507	1.109722832	-0.7653616370
## 487	53.288707054	2.414040842	0.908228358	-5.100623130	-0.1020796119
## 488	-6.376622843	7.025087021	0.069776943	0.594191116	0.4153138278
## 489	13.075827464	-8.964669361	1.151369055	-4.295903747	-0.1506474894
## 490	-26.394135786	1.478483687	-2.226873670	2.063403650	0.4865898970
## 491	15.405564701	-8.906454470	-3.518284257	13.480609208	-0.4785612885
## 492	2.808624824	-6.584862680	0.904099119	-0.006985549	-0.4910471079
## 493	23.111473552	4.070636719	1.978090966	-2.594395710	0.0910100313
## 494	3.553999366	0.251132398	-0.795713366	-5.249702029	0.0898051886
## 495	36.096580809	-8.913178247	0.972686510	7.491936423	0.2148072687
## 496	-3.137988594	-1.780066520	0.357328365	-1.333710524	0.3946633326
## 497	23.200014329	-6.868028235	0.017739588	-2.333228668	0.3919605996
## 498	38.695236186	0.621735940	-2.218326072	2.522763922	0.4958678063
## 499	-7.928931921	4.038379126	-1.953375798	-3.037536295	-0.1896772356
## 500	-3.253474819	-12.074283189	0.964404884	-1.601113797	0.3209627608
## 501	22.636746048	4.331528130	0.155620552	1.664144706	0.1501664623
## 502	-23.503321321	-9.463381827	-0.392871071	-4.828494224	-0.5539218037
## 503	8.734957245	-7.634574199	-0.207785035	-1.352142249	0.3918535637
## 504	8.425259561	-0.544317952	0.916953263	-4.231914336	-0.3034961373
## 505	10.745753152	-8.748404761	1.878297176	7.559200195	-0.0802142475
## 506	9.174484589	-4.818190073	4.507836112	-5.588611560	-0.3344015018
## 507	24.179245871	-5.120224800	-1.294948858	-3.313701463	-0.1911938760
## 508	29.985291776	6.211131688	0.126256155	0.166976333	-0.0683518953
## 509	31.185750285	-3.910301837	1.129899399	1.530920132	0.4401212845
## 510	28.523421426	-0.742263773	1.543702515	-6.915740153	0.2875638432
## 511	37.259641430	-0.246005093	-1.722368213	-3.090108828	-0.1493673468
## 512	-16.039033553	-0.407392729	-1.531265870	-1.866572916	0.1411367405
## 513	4.009403878	-0.727870232	3.416927581	-2.059431691	0.8700966035
## 514	1.367364604	-0.849569709	2.603327480	-5.836068734	0.3056443169
## 515	3.984310317	2.677933149	0.331920419	0.426070624	-0.2824557017
## 516	-22.445142711	9.877960391	-1.606166647	-0.854962752	0.4201323322
## 517	14.421547553	1.911941092	-1.306965661	-0.851231767	0.6345644724
## 518	20.757196600	-9.289380337	0.663997897	-0.622365448	0.2130595173
## 519	28.032087775	-7.401555765	1.241539584	-8.901176590	-0.1172842530
## 520	21.884896410	-0.868808663	0.369363773	4.076862233	0.1718163225
## 521	38.769795443	1.795522925	-0.287189293	-2.428020709	0.3883430045
## 522	29.520949301	-6.820640031	1.077447807	7.312846678	-0.3948990299
## 523	-0.117731413	-2.305913687	1.335023300	-4.547086284	0.7611045524
## 524	-8.711432819	-0.017675480	1.005947630	-1.794891181	0.4106855381

## 525	41.350998852	2.759105516	-0.886086561	-0.090536354	0.0632270660
## 526	-4.148155078	-2.981626373	-2.019647683	0.714511062	0.4292868291
## 527	-6.961475729	0.290890387	-0.905195439	-2.165111502	0.0609373351
## 528	-0.006052624	-0.879974592	0.390106532	4.020757462	-0.1865585966
## 529	28.092124243	2.513076062	1.277380745	0.747634002	0.6289333798
## 530	0.562249175	-4.034566912	0.690082954	-0.676909988	0.0141523227
## 531	22.587188059	-0.378215938	1.802983654	4.869175392	-0.0462843593
## 532	14.803661510	4.275757662	-1.641613244	4.734382133	0.2138330395
## 533	-10.229697656	-2.275076221	-1.370537102	2.422161439	0.5010014925
## 534	1.992230895	-1.514051142	-0.548724448	-2.363027558	-0.2837156779
## 535	3.687120997	-2.964922774	-0.002601444	0.683264472	0.6869881173
## 536	23.139036331	0.049190845	0.947364212	-11.042348649	0.2337170836
## 537	21.679054512	1.277702948	1.960472161	-0.724847593	0.8398255911
## 538	7.204687175	0.826369414	-1.162805573	6.208748930	0.6497497820
## 539	36.142175255	-2.637038740	0.476253308	-0.535772078	0.1204559612
## 540	31.089889162	4.535290962	-0.093870519	0.218078591	0.6226527090
## 541	8.843846247	12.445899842	0.691876933	4.924776224	0.0351948963
## 542	41.955809138	-1.787116906	3.611807320	6.508775098	0.4000045601
## 543	0.764315623	-11.127988711	1.119798131	3.754437185	-0.5716828468
## 544	31.094232932	-1.443937973	-0.823554108	-6.929536693	-0.4390005572
## 545	54.127464575	2.819040732	-2.878490751	6.333180818	0.7772542807
## 546	12.305181782	-13.397121262	0.006911751	0.929857129	-0.5454266499
## 547	17.966751346	0.406154864	0.995673770	0.921174001	-0.4179764120
## 548	25.131679595	-10.438075495	-0.670556005	3.619714914	-0.1853952709
## 549	-5.920458149	-6.010964604	-2.225460946	0.163401095	0.4420464902
## 550	-6.836456450	-3.874167469	-0.249133588	2.796505063	0.6606086105
## 551	24.071616308	-4.522447477	-2.360672232	-0.468317353	0.5625080007
## 552	-7.917927695	3.762145309	0.216181952	4.408373343	0.0129077077
## 553	17.847150592	1.044765509	0.095619401	-1.505473586	0.0965586723
## 554	-9.641808779	6.387517905	-1.032281455	2.119961970	0.5118960573
## 555	-1.017678376	-10.875605626	-2.198425556	-0.433023924	-0.1913515995
## 556	11.998161222	-7.652912438	-0.135312661	-4.093156488	0.2926575766
## 557	-10.406566533	4.141730350	0.795743798	-6.129458499	-0.0721665035
## 558	3.216523161	17.009212205	-0.671308677	-4.034277775	0.2099583268
## 559	2.688273600	-2.224518786	1.131238533	2.604115390	0.2092003555
## 560	-2.874906545	-1.352943570	0.460194194	-0.269281391	-0.1843770236
## 561	1.820121911	-4.459965849	-3.580139194	4.396201136	-0.4668571497
## 562	9.448892552	-10.607285526	1.022468446	-1.364753900	-0.3716325702
## 563	-0.618288570	-6.010112631	1.863242939	-3.185433836	-0.7050537300
## 564	30.474744525	-6.884240233	-2.198888315	5.991944983	0.9298698056
## 565	29.944883250	-6.558312410	1.056789786	-0.311900049	-0.1163481865
## 566	8.866968882	-6.074690133	-2.559780733	2.146062352	-0.1863846910
## 567	25.888071547	3.704930096	-1.914222641	6.463896632	0.2607526682
## 568	25.493906847	0.511685727	-0.239659310	-0.649311307	0.1675798583
## 569	-5.648830144	-3.544818078	-0.858827633	4.336080095	-0.3924560599
## 570	1.863537243	0.405514775	-1.850279618	10.792147217	-0.0227735412
## 571	19.299465901	-2.692953408	-1.139380071	1.239195034	0.1194563336
## 572	41.376594078	-1.424386803	-0.631483851	6.597152371	-0.2382622357
## 573	9.040999030	-5.845084114	-0.710759072	-2.954741716	0.1688106827
## 574	-15.618710967	-5.153563788	-0.881472566	-5.214917166	-0.0278391364
## 575	-21.214135159	6.236679001	-1.928044108	-3.242056289	0.1281819976
## 576	20.841691425	3.418821991	1.860508689	-2.551990096	-0.2024642232
## 577	-10.229674754	-1.976956224	0.393757690	4.163766944	-0.5324244321
## 578	-12.011533899	-8.752427599	-0.845479882	-5.313793233	-0.2149158292

## 579	-13.094630197	3.711814656	-0.682030798	-5.604751661	0.4193860905
## 580	42.206736675	-1.857739203	2.632379464	-2.283152723	-0.0314254742
## 581	-9.884774921	3.352861673	3.127792211	3.104234222	-0.2917804003
## 582	17.888741206	-7.294821708	-2.889423487	-8.062859744	0.3871776129
## 583	17.320853182	-4.781710399	-1.867973697	2.755188083	-0.2837686450
## 584	-8.711737908	-4.984922706	0.181698863	-1.080546234	-0.1939121938
## 585	35.133299163	-8.541385344	-0.251737310	-1.676793947	0.2986520414
## 586	46.527353581	-4.309785655	2.333059052	-3.125005762	0.3832747867
## 587	4.626770062	6.187186644	-0.755062573	-1.887152527	-0.0719286318
## 588	-10.125109700	-11.498200768	1.296260419	-4.173133852	0.6015996424
## 589	9.037386246	-1.877300677	-0.887454248	-1.497269515	1.1757897164
## 590	-34.896149336	2.782804158	0.806132803	-4.078383176	-0.1466825916
## 591	16.451436146	0.135231109	-0.203586779	0.833859728	-0.0383929341
## 592	11.546196638	0.770891047	0.083404760	5.095137535	0.3810282301
## 593	-18.095545281	-8.154082839	3.408389919	3.833199662	0.1800220809
## 594	-19.175842832	-6.620825561	2.489311184	5.598282782	-0.0593876353
## 595	6.936095020	-5.658765456	0.716295115	8.053726707	-0.2759629283
## 596	39.191381907	3.520881450	-0.558857890	-9.038985087	-0.2245924590
## 597	-11.323156605	-3.065413495	-0.249581785	6.898400676	0.1231549634
## 598	6.913171287	-3.605643730	0.322241341	-1.819158585	0.4055705006
## 599	27.986688954	-4.373350193	0.559688817	9.284977742	-0.9216469686
## 600	0.018547093	-5.496765166	0.682544001	0.106209602	-0.0183638658
## 601	-1.765899338	-0.450751597	-1.451456821	-5.389389433	0.5060258161
## 602	34.596989770	3.752423759	-2.355160407	0.593428727	0.1930562948
## 603	-4.105487150	-1.195689298	-0.998461361	8.622672233	-0.2929688272
## 604	-12.736681225	-7.834512072	0.646195681	-0.633485442	-0.1246077471
## 605	-1.629357146	-2.633053988	-0.986767175	-3.138043191	0.0392556891
## 606	29.900277714	-0.111019374	1.783478955	10.396976406	0.0408112852
## 607	25.760128024	-7.543137742	2.883522134	3.744132310	-0.7443411872
## 608	54.234910148	-0.339532122	-1.327845239	6.930067857	0.0787738712
## 609	19.892348200	0.831854403	0.616207741	0.841890701	0.3189857575
## 610	-17.806564085	-3.917891255	0.667031993	8.510729532	-0.1197230747
## 611	11.507782282	-3.069065428	0.374847048	-0.282718774	-0.0543748246
## 612	-3.834928151	-2.886866341	1.171318871	-6.122716893	-0.1272550383
## 613	18.134597136	9.988746551	0.048077082	3.808644246	0.0886504640
## 614	26.054839120	-10.343751939	-1.173852701	-1.757506538	0.4247020890
## 615	22.077947949	2.781745988	0.314345217	-0.035841230	-0.0989873092
## 616	22.899711714	-3.694482573	1.605939284	0.534703646	-0.2670781977
## 617	-19.531844985	-8.735542525	0.604152880	3.843224135	-0.3964509279
## 618	-4.443302751	-5.003721995	-2.597402458	0.561566120	0.1874023866
## 619	19.176837971	-1.003228276	0.371434967	-1.474367972	0.5514571970
## 620	-8.799732647	-7.592458196	0.528004894	3.270844614	-0.1187505878
## 621	18.266056316	-8.910785228	-0.031705238	-11.516586498	0.0109762512
## 622	21.170900407	-2.972547236	-2.768036225	1.824663118	0.0375755969
## 623	-3.273099185	-5.216393313	-3.349655868	-1.615429442	-0.3693731204
## 624	12.773475613	0.174745016	-0.008450103	4.867949043	0.1100051489
## 625	-1.141411670	0.383827087	-1.051896553	0.635448401	0.2885676256
## 626	12.508840432	-3.379801116	0.910219949	-3.759386428	0.1959629208
## 627	5.840245260	5.956960033	0.492501901	1.398881272	0.0213550457
## 628	-2.182281853	-2.117751032	0.261250098	-0.488538856	0.2361479612
## 629	0.615189598	4.165569940	0.372167361	-1.833045114	-0.7473902425
## 630	-2.398532831	-0.589221137	1.671572561	7.702070334	-0.0988294089
## 631	-0.977181725	3.050416005	-0.175943141	-0.136234294	0.0837154874
## 632	13.435773814	-3.655118624	-1.315954649	-4.317653965	0.4262808336

## 633	3.917701785	-3.551701468	-2.356080928	-0.593463833	-0.0017207400
## 634	5.427080879	-6.807151711	-0.788707392	-3.550884774	-0.1524880771
## 635	-15.681644210	-3.205855107	1.062606713	-4.703550478	0.4952086421
## 636	0.369595774	5.303389613	-1.322593949	6.846709027	0.8379672475
## 637	15.367301264	1.603091590	1.883190381	-0.477311173	-0.5332275209
## 638	-3.560707821	-5.182205998	-2.093699305	-2.221331987	0.3972155836
## 639	13.737008031	-7.346077679	-1.336963955	2.633796823	-0.3358277985
## 640	50.061802626	1.113682052	-0.423039399	-4.492819647	0.3164304684
## 641	32.291479418	4.587470070	-2.381588946	-1.483787164	0.0121352848
## 642	9.322976347	6.678313046	-0.184642901	-2.132512438	-0.0116392145
## 643	38.080134057	-4.444663656	-1.742349428	5.515743152	-0.4697836563
## 644	4.796093500	-1.605539113	-0.422829902	1.083338357	0.4113931309
## 645	4.492849042	2.582537077	-0.511760618	0.691154069	0.3846919252
## 646	22.684792011	8.471459419	1.610320310	4.841563249	0.4470922798
## 647	-7.857514200	1.346478908	-1.095705011	2.652675743	-0.3556365248
## 648	-1.883018456	-5.476260230	-1.551555273	0.358999832	0.3201624863
## 649	24.933261506	-1.376046847	-1.286694929	0.210641479	0.5336749061
## 650	-29.064967279	-7.733792595	1.052310572	-1.855751253	0.5708894446
## 651	10.778500766	-0.011874939	-2.015876513	-4.021323351	0.4231539784
## 652	3.380660193	-2.416371437	-0.987532976	2.500232902	-0.0508087705
## 653	43.712111713	1.090658290	-0.714161628	-4.075948056	0.1114402032
## 654	26.313659810	-1.938971996	1.206248734	-2.103524962	0.5598288944
## 655	-1.448946373	-6.563755484	-0.311096003	3.966969182	-0.5374079464
## 656	-30.586906697	-0.636973937	3.987082519	4.212885046	-0.4395686050
## 657	10.344549713	-3.336081675	0.787576972	-5.462444465	-0.3268317651
## 658	-7.125473904	-2.691781982	-2.403583039	-1.573365901	0.2013955243
## 659	-15.202227136	-1.228396898	-0.547445097	3.109535266	0.3580052423
## 660	27.889273265	-4.765261290	-0.128169738	-2.104220351	-0.5908085402
## 661	4.868119444	3.569542700	0.839219651	0.682217525	0.3666631642
## 662	14.581278266	0.177606096	1.792122144	4.068021710	-0.8065838762
## 663	-29.967374209	-5.032083434	-1.270512131	3.083207377	-0.4893631826
## 664	19.588899595	-6.778884972	-0.664560298	0.377742941	0.4614995733
## 665	1.482454079	0.499328909	-0.299133088	-1.542455173	0.1997977612
## 666	-20.079298700	3.176696017	-0.053310356	-2.020368860	0.4222312790
## 667	-14.608697638	2.992023546	0.945054212	5.962690263	-0.2504290739
## 668	28.293938459	4.580631289	-3.069240088	-1.248833456	-0.3768253860
## 669	0.176008941	-8.836683518	-3.055793273	-5.748890352	0.1966806207
## 670	9.538699240	0.364551867	-1.843960456	3.830152567	-0.1554455306
## 671	-0.895176750	-4.882493415	1.204646954	-3.528500010	0.0849746908
## 672	14.669942617	-6.888583989	0.439162494	2.337727871	-0.6033709581
## 673	-5.562739385	-6.054364233	-0.122899628	3.823569735	-0.0952216771
## 674	6.940998750	-4.303559780	-0.353730133	3.550496503	0.2278530217
## 675	-6.205555064	0.445925551	1.280606591	5.477056579	0.1514017733
## 676	-4.105445612	-0.645725045	0.363585449	-1.891640627	-0.3746717917
## 677	40.036758083	-4.765701356	-1.650812372	-1.647404227	0.5855210196
## 678	8.981803341	-4.777883556	-1.139446397	5.255712094	-0.3894491089
## 679	21.114460409	-11.213197787	-0.135678536	-0.675005499	-0.3461786599
## 680	15.441413442	1.873008752	3.011667989	-2.652408890	0.2120955743
## 681	30.507441653	-10.094468800	-3.195651673	-0.452505258	-0.2494300584
## 682	2.314004687	-1.108777796	0.469477787	7.537373839	0.3139530674
## 683	4.791534596	1.260253104	-1.218426333	-2.074579505	-0.2499411918
## 684	5.288400861	1.022772589	-1.445005573	-3.148018362	0.1880437229
## 685	24.919901252	3.348029469	-3.012882701	-4.520712445	-0.0897827056
## 686	15.225379553	-4.190616434	-0.102016656	-3.861291595	0.1206463992

## 687	-7.213570961	0.359767552	-0.936658851	3.641197570	-0.2790383723
## 688	8.112109357	-0.095734537	-1.100477044	3.625944559	-0.2912256977
## 689	27.726515022	-5.673651168	-0.923544938	-8.111045877	0.3767054676
## 690	-14.677686558	5.134898382	0.248205429	6.474655401	-0.9482374807
## 691	2.708001396	2.597896070	0.946376912	1.418944299	-0.3407480089
## 692	49.609012201	-3.621029207	-0.730581968	2.463169034	-0.0377872299
## 693	13.165303019	2.673723556	0.426534376	1.797529413	-0.0746326332
## 694	31.322938419	1.863990431	-2.400460088	0.414962047	0.2938087383
## 695	22.377378155	-6.229183504	1.175387114	2.942341611	0.0361449508
## 696	35.680962955	-1.048002429	-1.989576280	-3.910474155	-0.0434663789
## 697	1.100914101	-7.059965237	0.213699625	3.476711005	-1.1238315165
## 698	-14.503564333	-3.784145918	1.405648449	-3.547376871	0.2448902636
## 699	-19.217130519	-9.303311500	1.073414570	-2.236033495	0.2258219702
## 700	-10.082720079	-2.921753419	-0.152450902	-4.472303113	0.6496101947
## 701	18.949490094	1.358994347	0.435546390	3.091469621	0.6051514449
## 702	-10.289378612	1.402456806	-1.778240074	-4.859299050	0.1468438424
## 703	11.557907093	-1.676723377	-0.787855698	-2.205810350	-0.0048357157
## 704	-3.081646635	-10.677007404	1.060909248	-10.856329261	0.7258705761
## 705	-10.181671884	-4.365497877	-0.048525716	-6.817988197	-0.0369017630
## 706	-25.992595409	-2.764941110	-2.422401053	-5.778530140	0.0583567240
## 707	30.625080542	-0.323874587	-0.652008002	-0.458042706	-0.4505091084
## 708	-12.499517822	-16.779233288	1.773132516	1.136977573	0.7967787597
## 709	-6.562148110	1.890478913	0.119312507	6.856134296	-0.2872738163
## 710	-9.722121176	-5.834380599	-2.466517680	-0.560226192	0.3228789115
## 711	0.213078905	2.788554755	1.180189374	-3.040411624	-0.3253505965
## 712	-3.371870266	-0.435847500	0.213561655	2.697765101	0.0410906013
## 713	-29.591075817	1.632157182	1.919955387	8.364582504	0.1688162627
## 714	5.121800141	-2.302890700	-3.912606632	-4.139039786	0.1075250183
## 715	-15.541286504	-2.014621124	-2.878123486	-4.921121529	-0.4963127323
## 716	-15.530619939	-10.096853380	1.527448358	1.153419622	0.1804133027
## 717	25.015517003	6.049167782	1.028422565	5.361142290	-0.1726318238
## 718	-21.626819417	-0.505963322	1.554891551	0.814076043	-0.4995318191
## 719	-18.549974242	0.001785383	-0.490597595	4.590548762	-0.2110438265
## 720	16.746681363	-5.753389627	0.899770791	-2.727202944	-0.4505979979
## 721	4.328930757	1.914901567	-0.198447902	1.260329376	0.1225124734
## 722	18.778105174	1.650015913	-1.087136426	1.120942832	0.0674009615
## 723	-6.420099146	-7.844622488	-0.176615627	5.646682328	0.3173657935
## 724	-23.689966881	-8.983991500	1.834805879	0.347670231	-0.0643380553
## 725	-15.661645436	-7.352994609	-0.055373676	-1.407179239	-0.0425952755
## 726	-5.534404795	0.771277083	0.337724887	-1.601225511	0.1514256746
## 727	19.571127898	-2.278799734	0.933861676	-1.068830934	0.0841074636
## 728	-24.092990223	0.630974804	0.352209399	1.218835462	-0.3020783457
## 729	-4.913370179	-6.911555609	-1.012789041	1.129219046	0.1263094852
## 730	-13.839821806	-1.592515736	-0.977601937	2.384350173	-0.6853376942
## 731	0.868089577	-13.156855813	-3.426971137	-6.856349543	-0.3480868543
## 732	-15.903390671	5.209512102	2.961193474	4.599449365	0.3686717730
## 733	15.053421635	-6.883287886	1.453418835	1.411352834	0.1203655064
## 734	-3.534562566	-3.525499182	3.161775926	5.206231937	-0.3865698258
## 735	37.236762675	-2.501768002	-0.041636054	-2.864950467	-0.6602221974
## 736	-1.547194027	2.620764276	-0.341990788	1.995144570	-0.6686892914
## 737	-19.801778975	-7.811947389	2.176843817	9.458121261	-0.4123467727
## 738	13.412943932	3.196104113	1.997888025	9.758635663	0.0319233674
## 739	-26.332606230	0.925663076	0.183110223	-2.814837807	-0.0102183355
## 740	18.492417452	-6.194650537	-0.147277156	-0.632464107	0.2763733284

## 741	18.938403580	2.268222487	-1.053197647	0.265525817	0.2441068179
## 742	-12.039145872	-3.590705987	-0.923104236	4.363555395	-0.0516748376
## 743	23.798386038	-6.327076260	-0.792736358	-1.254372463	-0.5176731114
## 744	33.150289685	3.043732559	0.409417995	3.800173362	0.2981758329
## 745	31.146770496	-3.039195515	-2.309770308	0.665176508	-0.8889614450
## 746	-5.030020882	-0.397825493	-0.919262929	-3.586371493	-0.3046573099
## 747	28.005836354	-0.270268576	-1.478296413	-2.367312740	0.0297009859
## 748	-13.803805121	1.896400917	0.812141262	0.710456645	-0.2861216780
## 749	6.400407814	-6.891030232	-0.203443924	2.405550544	-0.1666726897
## 750	4.812895330	-12.317791326	1.896772459	-3.364057535	0.0722664952
## 751	32.138789216	-1.470346759	0.856088743	0.455329961	0.3396339067
## 752	10.539338684	1.870892751	-1.630753539	5.428082248	0.6902922424
## 753	-6.193059869	0.776485494	1.498377156	1.455515614	0.0782463333
## 754	-7.187571186	-2.497286115	1.075800836	-2.908229962	0.1856224944
## 755	0.425616489	2.262036925	1.930420721	-2.341389410	-0.2739953187
## 756	21.930487297	0.523525531	2.641589248	6.379321448	-0.0990696183
## 757	6.711537782	-2.309908746	-1.777420303	-3.011550118	-0.7549645168
## 758	-12.308042902	-7.053263595	-1.492207196	-4.143816820	-0.9948225240
## 759	17.220666494	7.364048598	0.401595575	-3.776385434	0.0799270128
## 760	22.853965547	-10.168245321	2.371175876	-1.241176881	0.1549009155
## 761	6.249576410	-10.001328571	-0.097660608	-11.513387245	-0.6694742864
## 762	2.966458844	-2.355211234	-1.548055843	2.447327044	0.4859669248
## 763	28.807814785	1.476483153	0.888840814	-0.359403393	-0.4742866903
## 764	20.247052991	-1.786696505	1.721964608	-2.168631530	0.2145397869
## 765	-12.484403522	-7.451800983	-0.722560704	-1.271705269	-0.5418755785
## 766	26.314178059	-2.018400154	-0.530584382	1.060887575	0.1768409943
## 767	-29.128550263	-3.308714936	1.324972120	0.596262474	0.0903669935
## 768	2.157035285	-3.508156606	1.149651370	8.262622484	0.1299039284
## 769	7.295819871	-1.466612090	0.139195018	4.666815381	0.3559769721
## 770	-7.538665677	2.675800526	-2.550623772	-2.073932699	-0.2802410474
## 771	-27.986413789	-1.754235568	-1.963784618	3.897883796	0.5082230146
## 772	27.957264435	0.710611161	-0.238879863	-4.694393739	0.0177648153
## 773	11.560358601	0.745077513	-1.230277468	-1.967596475	-0.3683933546
## 774	32.258478901	-6.027527683	0.523340706	5.864778624	0.1081552651
## 775	-4.945161070	-2.295461873	-0.928848487	1.317902142	0.3004523119
## 776	31.723515334	9.702868962	-0.866154673	0.639815182	-0.2651775500
## 777	21.625040551	-0.522925121	-1.385388293	-3.714733687	-0.1393459487
## 778	2.774923411	5.668052134	-1.411942540	-0.556807984	0.1301425890
## 779	27.039082583	5.981182488	1.455457753	-0.144871786	0.0840686202
## 780	-21.721346370	-0.940394138	-0.287127534	0.348313979	-0.0461945088
## 781	18.536312450	-0.027763616	1.170890392	-5.734376148	-0.0802433080
## 782	15.128575248	3.812499820	3.242265772	-4.303649132	0.2384692917
## 783	-47.177041184	-16.203594778	0.145575675	3.712806075	-1.0237410888
## 784	10.071730436	-6.772115248	2.889102010	3.901186667	-0.2076060480
## 785	12.169214527	14.234567488	1.565497858	2.971501665	0.0237576032
## 786	-24.405957013	-2.037853187	2.469824335	-2.061163704	0.2532707042
## 787	-13.038666379	-9.682387528	-0.467581567	1.203963492	0.6118650063
## 788	4.538971392	-1.429669871	-0.500905495	7.903117714	0.5240340325
## 789	3.535822230	-6.701102990	-0.442377414	0.201371271	0.3840860523
## 790	5.962026107	-3.930440955	0.804891987	-3.802794064	0.0552617740
## 791	13.885129642	5.265920991	-0.579498944	2.527649411	0.5177277646
## 792	25.365644364	-0.598597140	-1.142580583	0.729989010	-0.1086347687
## 793	-9.323987933	-5.876449877	-0.857863871	-5.436130478	0.0708319256
## 794	10.719197234	-1.852908341	-0.079926561	-1.523595691	-0.7139203901

## 795	-0.662724948	-2.468841597	0.650662406	-5.695035532	-0.7855828318
## 796	4.986680699	-11.667453124	2.202660877	0.928397911	0.7221330099
## 797	22.031241357	-7.191827309	-0.210573916	-12.135638059	0.5246126504
## 798	-18.466271342	1.364420527	2.657193179	-5.073939431	0.0424289601
## 799	-22.737478310	-1.089543273	1.178193197	0.112977765	-0.1073444876
## 800	32.064758625	-5.464317362	-1.131308824	-1.218694928	0.1721717395
## 801	-25.530808913	-1.119485118	-2.423794882	-0.363944006	0.2146433443
## 802	-3.193752500	-14.276305112	1.295092322	4.805548140	-1.0273552788
## 803	21.168311182	-3.034993226	-1.381488704	-5.435032928	0.4339394588
## 804	36.899131881	-9.677723524	2.164381371	-0.990765801	-0.3188197920
## 805	22.923347926	1.802975798	-0.292077592	-2.460478058	-0.4500931688
## 806	37.273121255	-1.535865062	-1.158071068	-4.554909492	-0.5098571734
## 807	-26.131381950	-5.182650523	-2.367517705	-0.878581441	0.3893607621
## 808	-1.754126486	-7.363265991	0.212687946	-7.150068487	0.3889021256
## 809	-25.992326258	8.686983698	0.989447118	0.818848916	-0.3723838819
## 810	37.349344126	-0.872018499	-1.084440293	0.432578891	-0.3555373068
## 811	-0.032416435	1.436571739	2.483695116	-0.042361120	0.2479226108
## 812	16.883314973	0.787489993	2.543234784	-9.177718808	-0.2190200766
## 813	21.978722742	-4.538155156	-1.797252682	-3.347363087	0.0543576370
## 814	6.049688897	0.978580386	0.961917450	7.274035171	-0.0315971443
## 815	31.818685282	-2.039697983	-0.739966420	0.099243736	-0.3317587157
## 816	19.840348232	-5.632184107	-0.676673047	-4.108384365	-0.6542200581
## 817	0.720559119	-0.037845520	-2.537423168	-2.302214731	0.4672068898
## 818	31.562837479	2.227066606	0.453247351	4.289259600	-0.5096267965
## 819	-1.646747142	0.310506340	-0.598600294	-5.516947769	0.1045189083
## 820	3.094906092	-0.485566603	-0.477694615	2.168007044	0.4752281217
## 821	19.849418573	1.479691868	-1.972030488	3.107166829	-0.0686924985
## 822	5.095250806	-2.791448385	1.232546281	0.435762594	0.0562944740
## 823	-13.044928780	3.335530987	0.013239068	7.675086312	0.5176720988
## 824	-36.243100111	-3.507328499	0.026157314	-11.229445967	0.0015059483
## 825	10.596480608	1.163789325	-1.265692773	1.170903738	-0.3628657231
## 826	-6.418514343	5.740136613	2.256928980	4.462079574	0.3179616282
## 827	-0.189321878	1.301110355	0.971876766	-1.625492017	0.0570404269
## 828	35.992396402	6.682423924	-0.848111509	-2.319757423	-0.3393625787
## 829	-0.308788452	-5.171752131	-1.902807344	4.978613456	0.3986887235
## 830	-9.436691502	-0.876852808	-0.170160118	-3.659884049	-0.5220264309
## 831	4.960702673	-5.150296434	2.740590381	0.774132798	0.2579475558
## 832	18.817669876	-11.980625270	-0.177666449	-6.997411629	0.0476096088
## 833	37.073580385	-0.511999554	0.152453690	-3.701247259	-0.6035413882
## 834	-1.500519281	-2.761007488	0.680530022	-2.587069105	-0.2035038279
## 835	18.530166973	9.228711856	0.865075922	2.772507700	0.1478442493
## 836	-6.499732397	-6.253029042	-1.058075846	1.459561679	-0.2307681512
## 837	-16.174026394	-7.736280270	0.231169736	3.163243090	0.4343378145
## 838	-30.479989800	-1.294093832	-0.642047787	-0.461266786	-0.0750267016
## 839	-17.482166718	1.341851103	-0.467594636	-4.746406199	-0.3325750828
## 840	9.864842864	-5.465162669	-0.287200442	7.315542956	0.1451963232
## 841	-2.967624861	-3.766033658	0.054017210	-1.589489111	0.1627442661
## 842	-4.913532576	0.417322281	0.306018980	3.351993523	0.1175066554
## 843	37.428692557	-7.034117169	-1.545430414	3.627391488	-0.1490115250
## 844	-6.981112644	-5.624138898	-0.611861518	1.547139247	0.6730821836
## 845	-4.557740341	-9.610594780	1.078575541	-0.227417539	-0.0380612806
## 846	25.212075934	-0.594811909	1.241345569	-2.114705852	-0.4471296848
## 847	44.664551006	0.328381890	0.682852901	-4.427073259	-0.3551335769
## 848	-31.260481018	-0.735664343	0.220543004	-2.123329411	-0.0385701703

## 849	38.750372213	-0.134817711	0.529295785	-1.118916867	0.3259896381
## 850	57.201532657	-6.048551200	0.314791959	4.301771591	-0.1943784832
## 851	-6.393144261	-4.076781500	2.148436031	-0.382856899	1.0180446885
## 852	17.154319162	-3.211074398	3.177867823	-6.485786624	-0.2530957490
## 853	49.359585388	-0.845448724	-1.252766076	3.133771386	0.6430154721
## 854	14.759922503	7.498605331	0.620160619	-2.547746306	0.2198218405
## 855	25.419885084	2.936270602	0.732696411	5.751505449	-0.0287296311
## 856	38.501669812	3.327730492	1.095330000	2.894854925	-0.3853361672
## 857	33.844070830	-1.909802829	2.138848734	1.053097577	0.3067196393
## 858	3.962382945	-0.681906209	0.056137559	-2.614264357	0.3793620339
## 859	23.688392207	3.545355720	1.543066622	4.846202346	-0.1231261597
## 860	25.471984636	-9.424676262	3.379431095	4.395656193	0.3785491899
## 861	-7.866961510	-3.384985381	0.477753436	2.462875734	-0.1970430688
## 862	-8.315449227	1.617637352	0.521947311	-1.068879548	0.2811174528
## 863	-22.863604442	4.789714780	0.369371532	5.060237326	0.0581912596
## 864	-10.605373399	4.107689028	-1.952082832	-0.010570826	-0.2377657855
## 865	6.586518029	-7.811736926	0.440266551	3.601889779	-0.4374910577
## 866	4.608749456	-2.092733091	0.732990083	3.159258655	0.2787003272
## 867	17.982055807	1.758589754	0.128294217	-0.072233744	0.2934770486
## 868	8.947013987	3.100637486	0.279802209	2.941412940	0.1524995598
## 869	35.112617274	3.780483219	-1.006500853	2.169791322	0.5370518711
## 870	-31.914215027	-4.342134405	-1.185009759	2.676598174	1.0188648268
## 871	-12.786142339	3.542301589	2.885425508	1.094711725	0.4122615514
## 872	-5.931109684	-0.312098749	-2.342769469	-0.772054991	0.2419394387
## 873	3.916723811	-13.848833345	-2.872348881	1.559295282	-0.3613280043
## 874	51.039724867	2.083101362	-1.697712954	2.714903652	0.1749513380
## 875	17.490274967	-2.651733892	-0.451824422	-2.063274765	0.1338831381
## 876	11.728473384	-7.117960127	-0.629692420	5.742918271	0.5464193277
## 877	-7.593728792	-7.093593157	2.357810748	-1.523825535	-0.0247520626
## 878	0.618928005	-3.352348064	4.061907836	-0.132582896	-0.3148554002
## 879	11.514746549	-8.160156048	-2.091308968	0.252961611	0.1554633766
## 880	31.707001872	-6.126237820	1.818688557	4.255784856	0.3620296632
## 881	18.086539532	-2.110899168	2.214549811	1.327943216	-0.1843680126
## 882	-7.783514896	-3.520082330	-2.152223204	-6.725257256	0.3408531231
## 883	5.069210777	-1.865832865	-2.687080724	-8.390172998	0.0545361062
## 884	-3.946944886	-1.921975717	0.988391076	1.753667885	0.2191272101
## 885	6.413581693	-6.587724516	1.917980177	-3.736011562	-0.4605188257
## 886	-23.950841300	-4.152501068	-2.711180563	-2.228281371	0.0292754229
## 887	3.165994270	-4.931147994	-2.074549644	-1.015958563	-0.0383789963
## 888	-16.331432766	-4.572202572	-2.065305655	1.911786747	0.4775522024
## 889	-13.803505513	-7.072931391	0.153656984	-4.852133873	-0.4666115790
## 890	37.004769178	-0.514444718	-0.744791108	2.756637807	0.2646969098
## 891	11.478147800	-11.598113444	-2.950537851	1.585414750	0.5397123855
## 892	-24.992006878	1.925724662	1.370783358	-9.282219103	-0.1906659986
## 893	-16.089509213	0.487061473	-0.378119306	-1.050936260	-0.1203911056
## 894	8.410868609	7.275553033	0.634802830	3.645292938	-0.0957304113
## 895	7.119737700	-1.242450830	0.759098610	1.730293288	-0.0675088452
## 896	10.371603307	-1.702088165	1.748923794	0.948313273	0.7028038817
## 897	21.891506348	-3.542359859	-1.587317538	-0.659151794	-0.3070610731
## 898	-51.596264828	9.306902122	0.537234952	2.440469603	0.0088853520
## 899	-0.285601227	-6.684497285	-0.389521495	4.731779793	0.2175446279
## 900	-9.344686930	3.470556712	0.055469284	-3.062968451	0.2714873883
## 901	-2.130619187	4.441096238	-2.366541796	-4.378376306	0.2550350163
## 902	-9.379466111	-1.134338096	-0.212464370	1.269869247	-0.1376988050

## 903	10.084704637	-6.017125693	-1.835686439	-0.768993695	-0.3568722533
## 904	-13.265424589	-0.592318850	-1.032185041	0.015349469	-0.4322200199
## 905	9.824058486	-1.223413121	-2.738914186	0.151774588	-0.3613238126
## 906	10.422526305	-2.688186932	0.322159026	-4.743032065	-0.0301970389
## 907	-28.874890449	-1.780104043	0.228540792	2.820049596	-0.6280408055
## 908	2.364072480	3.890947965	-2.893537245	2.232800425	-0.6786646309
## 909	18.717257514	-8.261539962	-1.424077949	-9.347727564	-0.1088979838
## 910	44.036660883	0.805076917	-0.419906923	-5.783604737	0.3793591338
## 911	32.988451374	1.966487182	-0.492508753	6.531068498	0.2169177251
## 912	10.280794010	-10.296829016	-1.404938755	-3.585354748	-0.2905140080
## 913	3.392221923	-6.564628680	1.600957316	-0.355077728	0.3683570375
## 914	7.186582586	-7.735163760	-0.045262540	-2.079120580	0.1876129365
## 915	29.304317696	-3.792015510	-1.443046032	-0.904948208	0.1025837444
## 916	28.037051317	4.311308353	-3.875397205	-1.994803795	-0.3639275115
## 917	27.029011994	5.355263953	1.607010450	-4.724253297	0.4954817855
## 918	9.356430347	0.782860977	0.971978790	3.779841454	0.3240931038
## 919	-5.273444723	-5.103627205	1.585700986	-1.492138625	-0.1464902656
## 920	-6.759315275	-1.716476389	3.000577369	2.533225818	-0.7055347856
## 921	5.986415327	-2.150318994	1.518959884	-0.285265538	-0.7604103543
## 922	-30.674488029	-5.908352993	0.189499560	4.951921729	0.1233345237
## 923	29.518820174	-1.628919138	-0.744529197	-3.225408608	-0.1510721018
## 924	0.618256977	-3.166192927	1.539970260	-6.375260982	-0.2995832787
## 925	3.902624101	11.201519596	0.326108369	-1.399880010	-0.1525511816
## 926	-28.511554246	-17.313699250	-0.786464617	-0.916359821	0.3287950700
## 927	45.976899815	-0.261480884	0.473959649	5.104047818	-0.4494018428
## 928	-21.504333846	-4.024993045	-2.027858922	-0.633362871	-0.6362778276
## 929	10.630881313	-3.171269614	-2.499892642	-1.056078127	-0.2929432457
## 930	1.799745229	-10.897570265	-1.812707995	-4.629644855	-0.2359999902
## 931	3.005746179	-4.703247195	1.239328983	-7.204451515	-0.0675145868
## 932	32.834257039	2.148895296	0.428407066	2.944842641	0.1889783508
## 933	30.968273756	-5.528697588	-0.910390189	-3.951760315	0.4936065633
## 934	-21.181464136	0.989965893	0.539533127	4.925360405	0.4236018557
## 935	25.865425570	4.759141147	2.210713476	-4.964502671	0.3783603191
## 936	16.552706532	-5.316174175	2.526772374	-1.824150614	-0.6166424949
## 937	25.579999408	-4.718813259	0.328235334	-7.565415758	-0.1039290443
## 938	-15.587280211	-3.399614478	0.859412500	-2.310815064	0.7062627495
## 939	14.445033989	6.529966135	0.040680750	4.422062233	-0.6394845316
## 940	-2.066817962	-6.573694907	0.126249145	4.814669590	0.0663969454
## 941	-3.215592426	-3.379664642	0.779906500	-3.121621462	-0.2435885187
## 942	0.346744561	2.999475411	4.036391891	10.256592846	-0.5413156891
## 943	-4.181064602	-0.823857114	0.051407190	0.369672057	0.1745867445
## 944	32.779555449	-2.243281799	0.759629989	-8.320343627	-0.1705418762
## 945	29.210870257	3.820462484	-1.694190407	-2.906874229	-0.0489770367
## 946	-18.884582485	-5.041199007	1.206482527	-6.160799360	0.2954731127
## 947	21.653316467	-5.861953928	1.098036017	-2.245230517	-0.2032765404
## 948	40.878712186	-4.306560323	1.582152506	10.931561327	0.0224793953
## 949	-14.647999700	-3.192747820	0.678933950	7.685249029	0.1115861206
## 950	-0.035174240	0.766116065	-0.733368648	-1.573203811	0.2765546267
## 951	7.137566557	1.358044536	-0.756299504	-4.282340051	0.4339367619
## 952	7.242855615	-6.847610748	-1.100680435	-3.751703481	-0.1947199705
## 953	-8.659155856	-0.108173753	0.036273701	0.472218228	-0.6833297561
## 954	27.196517539	-5.304661787	0.629746440	0.837249250	-0.2854813000
## 955	24.726200276	-3.021961912	0.308332185	2.242398022	-0.0820543399
## 956	33.459781049	-0.376187988	0.257168391	-1.049836127	0.3273951433

## 957	10.161526607	-0.888575371	1.475041065	-6.447414329	-0.0183034309
## 958	33.408557375	-7.300691628	-0.409991665	-1.163398364	-0.5400841814
## 959	11.600123597	1.534649201	-2.302823099	-5.287698246	-0.3968051998
## 960	14.141348433	-4.251119168	1.893653935	-3.930409170	-0.1288995529
## 961	-38.564795965	0.817940033	-3.085330952	-1.058613183	0.4682100224
## 962	-8.704435848	4.767669388	1.968582920	-4.816600819	0.1254873823
## 963	7.453199661	-6.823484840	-1.671573637	-4.318221598	-0.1423353573
## 964	24.634933623	-1.816367584	0.796765107	-0.583172839	-0.0228475503
## 965	19.224255878	0.987910191	1.861843991	-2.001551920	0.1169341072
## 966	2.510756617	-5.397008276	-0.330914844	-0.065063095	0.2771142519
## 967	-11.032591044	1.620481621	1.571181832	7.475286821	-0.1441197348
## 968	8.647271398	4.696573179	0.568607337	3.829984698	0.0076491247
## 969	5.186090256	6.732311236	-0.502857359	-5.091912153	0.7867462245
## 970	-19.218092282	-2.310143951	2.089773909	-2.433393083	0.5699513876
## 971	25.184336477	-1.150377168	3.450221333	-3.721812455	0.2828172490
## 972	-1.018415080	5.023164855	-0.446900911	5.185122895	-0.3438521790
## 973	50.430693967	3.232458396	0.089254215	-1.575616211	0.2694412563
## 974	10.214588524	-10.367617292	-2.187899392	1.621175273	0.5100326418
## 975	1.351430399	0.490929971	0.528805439	-1.188075316	-0.1074525509
## 976	14.131727458	2.889163773	-1.478557922	-5.710206186	-0.3237238061
## 977	-6.787013411	-8.882393805	-1.582461072	-0.397845814	-0.7220118080
## 978	7.018989964	0.727558613	-1.347435347	6.061259455	0.6291812151
## 979	14.922722310	-6.697900187	0.138027190	2.232822303	0.8511224073
## 980	6.613031804	7.912693638	5.548180606	-6.160793689	-0.1832216429
## 981	23.636679028	3.083558091	0.420446939	-3.120290040	0.3106521678
## 982	8.845277656	-7.568690217	0.704774018	-6.116089901	0.8409576980
## 983	22.145187282	-1.795809843	-0.990768066	3.952604473	-0.4013194339
## 984	9.459987290	-0.687423954	2.109081231	-7.574570982	-0.0641233784
## 985	19.158153003	2.275497762	2.162920774	0.587246917	-0.6507381887
## 986	-3.966903740	-7.552654487	-2.163147315	-6.343882712	-0.2499628958
## 987	12.089360624	-1.220823609	-0.136116664	2.485129514	0.0825316402
## 988	25.292232498	-1.418005038	1.327633407	5.434946938	0.8636676394
## 989	17.142176934	0.808955699	-0.107793631	1.800441347	-0.2823003731
## 990	-15.915657940	0.839695162	1.492313219	-3.887677518	0.4747302172
## 991	28.600107600	2.767880487	0.734333764	-3.988161484	0.6464000526
## 992	-3.744590489	-3.771481747	-0.139557892	-0.956196614	0.4617349987
## 993	21.631677171	-4.403094310	-0.200200946	-1.621819347	-0.1149343242
## 994	-0.359236254	-12.246569296	0.368230022	1.907106985	0.2572695480
## 995	34.195079996	-1.938814999	1.073266289	1.443220706	-0.2967356529
## 996	16.242505726	6.878723092	0.005727133	0.900185069	0.2316330100
## 997	-1.820102596	-1.161230246	0.849584992	3.776404560	0.6049114707
## 998	25.502099695	-10.110219673	0.988686696	2.445462294	-0.3787020452
## 999	2.344447790	-8.401231552	2.864742154	-0.941267188	0.7005295948
## 1000	7.723846522	1.530774400	-0.919048062	1.534921313	0.1419729044
## 1001	-2.501309989	-2.347456109	0.955722160	-6.122863424	-0.3499694079
## 1002	25.042434186	5.317512089	2.661688070	8.624123974	0.6426839826
## 1003	-4.503465714	-8.788571660	-0.256068013	3.185368045	0.4597789072
## 1004	27.429342595	-3.413696596	-1.295528733	6.936146719	0.4630649168
## 1005	-8.760552157	-4.415376440	-0.763193344	1.735931661	0.1975194503
## 1006	-11.781072461	-13.321711160	3.467726779	5.000704362	-0.3396167926
## 1007	9.488039848	-15.177717270	1.397774144	12.018295401	0.2452763374
## 1008	4.441515388	0.882374720	0.513488894	3.756445534	0.4276258840
## 1009	-14.703568612	4.114352747	1.605621731	-3.454809471	-0.4675218350
## 1010	7.878878967	3.154013527	-1.275877707	4.393444123	-0.0280623219

## 1011	-1.295079163	3.190606324	2.578104986	3.324544888	-0.3746081978
## 1012	11.662527284	-9.033286947	1.625892372	5.164181780	0.0211649632
## 1013	-22.769780411	-2.156668511	0.078064570	-1.230997041	0.7791438080
## 1014	6.874969043	-6.059735719	1.034005921	4.137424468	-0.3812430369
## 1015	34.589250319	7.087625452	-0.961468506	0.652639593	-0.3995788026
## 1016	7.582038022	5.662822346	-1.128492198	8.685350698	-0.2383798376
## 1017	19.754587140	-4.783850235	2.016859951	-0.843455333	-0.3100566576
## 1018	-9.879732029	-3.706033834	0.342987200	2.278880919	0.2026144790
## 1019	3.688781889	-1.407764498	0.715292515	-3.774152547	0.5643271456
## 1020	11.758753020	4.204518889	-3.264828403	-2.993825156	-0.1392998382
## 1021	39.143004727	-4.047490348	-1.202461283	-5.620293630	0.4906649871
## 1022	27.187510447	-4.587229343	-1.377694381	1.703805806	-0.0351310306
## 1023	21.372634508	-2.538619623	1.597503118	1.095402290	-0.7490227748
## 1024	29.090420416	1.648901599	0.499999488	4.571608375	-0.0257391464
## 1025	16.906433981	-1.286749447	-0.378331764	6.982534549	-0.1063842694
## 1026	2.910575315	-12.118388167	0.618997390	-5.271715496	-0.4239445320
## 1027	17.289085703	-8.141176252	-0.975027428	-0.455286572	0.3831255068
## 1028	19.366921734	-3.365405647	0.603524152	1.531933072	0.4729968638
## 1029	37.120978414	1.580927152	0.703057939	3.399541309	1.0319753557
## 1030	-7.093971216	-3.902166609	1.380471594	4.502045930	-0.5675270903
## 1031	18.778274013	2.781145836	-1.175883283	-6.173206366	0.1659137772
## 1032	9.048209513	-11.068812867	-0.010787706	-0.001088583	-0.1243881315
## 1033	-15.538894343	-7.844866216	5.720974206	-1.678688107	0.4219826682
## 1034	45.706745812	-0.057988108	-0.967977248	3.366724661	0.2321743704
## 1035	45.320295679	6.476517855	2.086541492	1.506032840	-0.0122744398
## 1036	19.980607049	-7.407075118	-0.267635536	4.188646811	0.5837134298
## 1037	18.127053012	-4.661278478	-1.927036455	-2.809074553	-0.3164487637
## 1038	-23.026825951	3.147573823	-0.135706732	-4.248280447	-0.8642485331
## 1039	16.354374063	-2.726111505	-0.542059085	-7.426990439	0.0925348566
## 1040	-38.518606174	-4.864315003	2.329325578	5.630212784	-0.0762079369
## 1041	44.282568090	-0.566320614	-1.780831467	-1.103407262	0.0062386102
## 1042	1.020910765	-4.531687028	0.518863676	-6.738023189	0.0448449643
## 1043	9.205336089	-9.143508597	0.960986844	4.511600457	-0.3637789800
## 1044	-0.962682615	-6.005989600	-1.730933935	0.077038513	0.2798072944
## 1045	3.089773835	-2.328300654	-0.002215338	1.663925749	-0.7697517695
## 1046	7.992798311	-2.234288566	2.191131684	1.561356293	-0.0407334633
## 1047	12.625130738	2.461511246	-0.522072233	-0.910866858	0.4318152129
## 1048	10.264460525	-6.866381591	-2.467453585	-2.063181451	0.1447437116
## 1049	2.265068562	4.208976851	-2.025250878	2.713911102	0.1256811212
## 1050	-3.090021809	-1.495255638	2.823119209	-7.848163149	0.5408282418
## 1051	30.728640904	-0.736306260	0.280748698	-0.345397453	0.4749440856
## 1052	-15.403958164	1.063760125	-1.262057113	-4.778712878	-0.7670826146
## 1053	24.493125915	-3.692334044	-0.084168697	-0.995060885	0.7046239632
## 1054	-9.922302277	-1.672204665	0.289275843	4.642840680	0.4524505514
## 1055	5.831233068	-5.745704626	-1.118875279	-0.796550424	-0.0871033994
## 1056	23.959806534	-5.905318817	0.859557402	-5.152897560	0.1793842599
## 1057	30.242659920	-3.515705503	-1.671523948	5.795071392	-0.7336976022
## 1058	-13.505663700	3.172994140	-0.202775475	-1.377776998	-0.1475876849
## 1059	28.642503620	-2.549034082	0.598723173	4.709859403	0.4482885927
## 1060	4.961210711	1.413727915	-0.172600105	-2.957340646	-0.4182263551
## 1061	1.543029506	0.995957525	0.004426990	-2.169081793	0.1260868209
## 1062	8.903932915	4.406540516	-0.041309366	2.475150515	0.6728513812
## 1063	-6.365591844	-9.293798119	-1.127176589	1.488984234	-0.0075373769
## 1064	5.008841117	-2.945242773	0.229061643	4.774434639	0.4871796256

## 1065	40.274250499	-13.875188676	0.671318171	1.408906547	-0.6909425770
## 1066	-11.424945382	1.251972412	-2.068232256	6.317539443	0.2359892291
## 1067	-19.549913137	-6.464922769	1.388767408	0.159000367	0.1818802718
## 1068	-33.785340190	7.203922079	-0.606355950	-0.559011647	-0.3396709191
## 1069	-9.828087567	-1.427042279	-1.585849781	6.405073947	-0.2887594639
## 1070	25.040268561	-4.991894870	0.112430727	13.497832426	-0.7186767503
## 1071	26.197488338	13.723456405	-3.126926342	1.416003903	0.6163552148
## 1072	6.666565898	-1.005365164	1.633610414	-1.023946236	-0.2062837460
## 1073	26.634150787	2.529591927	-1.461904676	2.954042507	-0.0414729055
## 1074	3.745314406	-0.407163909	0.327792682	0.270715966	-0.4748824906
## 1075	8.825814710	10.002863363	-1.351969772	4.771539824	0.3030105496
## 1076	14.885281416	-5.409736034	0.201371818	-1.184609599	0.6997648119
## 1077	-6.108255172	-6.831342871	-3.435071561	-3.393980615	0.0202447067
## 1078	34.568202116	-4.460030231	1.652152226	-1.598447786	-0.3911311811
## 1079	-6.076144493	-2.004355713	-0.385696344	-2.453971494	-0.6116384760
## 1080	3.823467653	3.207379136	2.016537201	5.034051063	-0.5271046785
## 1081	0.136905728	12.056974878	-1.749480441	6.961530001	0.1494214733
## 1082	-4.836247019	-1.756723453	-0.422696561	-8.388782138	-0.4971084936
## 1083	11.391664977	1.544409087	-0.681626782	6.806139968	0.7636779931
## 1084	33.649945900	-3.139744019	1.881659636	-9.263865774	-0.1092544455
## 1085	9.148587226	-6.184951599	-3.817315767	-1.285907004	0.1442650526
## 1086	11.352007549	2.356772940	-1.437888105	6.499963306	-0.6808774635
## 1087	15.472736419	0.358323036	-0.689550509	6.164225910	-0.2024938719
## 1088	2.100158353	-1.925105285	0.388468151	-1.709132620	0.2316280748
## 1089	-5.968416371	0.198795871	-0.334856179	-3.977284296	-0.9807056423
## 1090	4.324421827	-4.578102471	2.442546941	-1.429431872	-0.1004073353
## 1091	-0.097067093	-7.701616544	0.094990482	2.925656327	0.1797154188
## 1092	24.678649122	6.002143069	-0.298688748	-2.489598879	-0.0394744682
## 1093	11.591254583	-10.840903021	0.730524175	-2.693746146	-0.3013863644
## 1094	22.520303256	-0.099725135	1.278738762	3.110960671	-0.5232394184
## 1095	-16.684503255	2.975049971	-1.231266860	0.764923328	-0.2004063001
## 1096	18.016941423	-13.658562762	-0.929865558	2.111213380	0.7114121893
## 1097	-8.685706092	4.827140559	1.015122115	6.640657405	-0.1217071946
## 1098	-10.050238392	-7.783563962	3.207673446	9.933012053	-0.7714654256
## 1099	2.399920473	-7.248685556	0.717640682	3.242233587	0.9900882735
## 1100	14.628166021	0.481916798	-2.726670498	3.458209569	0.4066402475
## 1101	-0.286129297	2.020394366	1.908930353	-15.421657180	-0.8392691867
## 1102	26.982743086	0.955880869	-1.448517922	-5.136941725	-0.0322255044
## 1103	15.521814869	-0.208784721	1.208233467	-1.206466435	0.1682095460
## 1104	8.080377044	6.496417152	1.645110028	-0.430962603	0.3120917282
## 1105	5.539904498	-1.378808012	0.451718679	-1.197495423	0.8293592273
## 1106	47.804935757	10.473386840	-1.175709861	0.899056192	-0.1843702763
## 1107	28.227576994	-6.930086049	2.218448740	1.726709205	0.2370001108
## 1108	11.749613835	-4.109674308	-1.816231146	2.188207882	-0.3149532514
## 1109	3.696341933	3.704874452	0.757317193	0.424573912	-0.5784170876
## 1110	-7.574666913	-5.918967453	0.649742596	-4.406082679	-0.6835476522
## 1111	27.889255223	-1.356847757	-2.183919881	-2.975005407	-0.0050846866
## 1112	20.369392942	1.161106951	5.514689124	-3.650852933	0.1740535477
## 1113	-17.477430194	0.787919396	-0.073750230	1.903356068	-0.0936544000
## 1114	-2.179823344	-12.416970736	0.014081142	4.081561137	0.3547743343
## 1115	22.819511790	-0.797724585	0.141259240	-1.509446410	-0.2019021520
## 1116	25.471733190	1.601994539	-0.364685018	1.961120074	0.1127223212
## 1117	20.630694504	-6.967234593	-4.919998385	-3.348206308	0.5407166784
## 1118	-2.868427366	-0.169486580	-0.333350165	-2.776471564	0.1737590982

## 1119	-16.446340625	-7.937689400	0.190432437	-6.236701793	0.2854375147
## 1120	33.479672654	2.905476583	-0.797678059	4.132264927	-0.3645098824
## 1121	20.498233917	-4.762778497	-1.044034276	-0.523936433	-0.0035941320
## 1122	-4.694914840	-2.748815240	-0.901234679	1.660268911	0.0738146195
## 1123	17.269314001	-2.918617931	-1.092796712	4.843299336	-0.1319175218
## 1124	34.542109364	-2.660593143	0.050442175	9.540191181	0.6845822646
## 1125	24.962113357	-1.180790198	-2.428012654	-5.445707445	-0.1549551795
## 1126	-5.691887176	-5.717278217	1.896268976	-9.663250863	0.4608031426
## 1127	-0.015770096	2.783448184	1.385425125	1.387266152	-0.1157591283
## 1128	17.494198347	-3.158883579	0.025426017	8.046019752	0.0459653844
## 1129	-3.183164099	-3.519275742	0.372562487	-3.616091956	0.4270274343
## 1130	15.460714673	-4.468759964	2.500358756	-4.045564944	-0.1286151362
## 1131	25.663763428	-9.205247336	-2.473374327	-8.891841806	0.3967492765
## 1132	14.869351573	-2.426804669	0.274735870	-2.137059902	-0.2011368984
## 1133	-6.847443967	-6.633859217	1.562805085	-3.645864862	-0.2583556400
## 1134	39.102753151	-1.142183046	0.924086596	1.905069989	-0.3198572986
## 1135	26.390134667	2.812322179	0.091365247	1.812218543	-0.0708008432
## 1136	19.193147105	-5.945351689	-0.231955115	-4.188184471	0.4145954492
## 1137	7.497509876	-11.130855865	-0.734842055	-4.057086886	-0.1202835423
## 1138	38.397981029	-18.314398726	0.074485569	0.842313036	-0.7859619967
## 1139	19.958481201	-0.786073711	-0.105514334	-7.189735825	-0.8120595959
## 1140	-3.809195276	-6.662335059	2.267603359	-2.162932377	0.2377562451
## 1141	16.095842667	-2.809796880	2.630389075	-1.908713780	0.6538592062
## 1142	14.965651846	-6.537111101	-1.494011218	-5.305645503	-0.1881646122
## 1143	-15.292193872	-1.315045752	-3.167504084	3.306906660	-0.3315726354
## 1144	22.553941004	-6.165479819	-0.952239245	1.333770431	-0.8020883724
## 1145	12.806779414	-6.052887515	-1.060846219	-1.007031488	0.4288535237
## 1146	22.376828627	-5.357990358	0.509158454	0.399667975	0.3101831732
## 1147	-39.069035678	-0.478183342	1.136334612	7.340473256	-0.3614937437
## 1148	1.726850512	1.663708881	-0.497013402	-5.448811833	0.4069024268
## 1149	14.962603252	-7.074583299	0.285678958	-1.299805420	-0.9010147643
## 1150	22.663376744	4.589857940	-2.519466011	-9.176044047	-0.7130325978
## 1151	38.496274906	-4.524906569	-1.299606104	-1.310188502	0.8191155614
## 1152	-0.689747523	5.975511575	2.264169670	-0.930824174	-0.2512342840
## 1153	-33.978147568	-6.097818292	-0.486638929	3.074536528	0.0695300880
## 1154	8.409096190	-7.239066831	2.042827057	1.304162895	0.6713993037
## 1155	2.366883819	-4.259702734	-0.755214557	-2.116244434	0.3477611541
## 1156	52.518103412	-2.849544181	0.764463842	-8.050634515	-0.4843153077
## 1157	9.612028768	1.787091998	-2.606901769	2.701251164	-0.2596270378
## 1158	11.597786961	-2.552618113	1.022945302	0.674439363	0.3299466527
## 1159	23.218765717	-4.872836810	-1.938641909	-4.458695148	-0.0135166060
## 1160	33.905210440	3.893813217	-1.012961203	-7.134326007	-0.4234803260
## 1161	3.755956288	-1.378335160	0.817070055	-5.746400997	0.5779388890
## 1162	0.583031718	8.329336432	-0.540810421	5.987336059	0.4073134906
## 1163	15.947404462	0.286815032	-0.842195170	2.926071718	-0.0901145468
## 1164	29.626932559	-5.699025499	-0.749151868	5.236658404	0.0170697834
## 1165	0.774697990	-5.003437512	1.508095818	4.456245203	0.4340818943
## 1166	-8.686775501	-0.871708294	0.147727299	-4.734308294	-0.2020522638
## 1167	-6.339861117	-3.327151981	2.507613494	-1.599528851	0.5988054652
## 1168	-11.163109264	0.554070655	-2.646905602	-2.660944213	0.1794346514
## 1169	-17.791784339	-3.678826727	0.314125710	7.160611079	0.6143907242
## 1170	-5.939536520	-10.603325331	0.992300034	-6.273252173	-0.3434543262
## 1171	3.905509553	-1.006881245	-2.555137250	2.299153662	-0.3180201852
## 1172	17.636494763	-4.665167815	-0.265995895	1.464483102	0.8559838634

## 1173	21.897367948	-0.807502461	-0.947904852	1.065016014	0.1567604879
## 1174	31.592386479	2.426520671	-0.478302186	7.816908177	0.5785033732
## 1175	17.178560975	-6.812913900	-2.088333008	1.514335398	-0.5529563255
## 1176	-8.112880144	1.689598063	0.078061104	-3.846179652	0.1455139329
## 1177	9.371331128	-0.844391003	-0.692655444	-0.893862400	0.3871480979
## 1178	2.455714990	-7.277855342	-1.713070609	0.945151590	-0.2332165289
## 1179	28.690096624	-3.552340283	2.208284304	5.352098419	0.1918748512
## 1180	35.854942406	-3.186172552	-1.630155454	2.416692906	-0.4113001669
## 1181	-14.327668845	-8.922985342	-3.064254144	-1.057802710	-0.0061963989
## 1182	5.926714188	0.788962740	-1.400545598	-2.177734479	0.3858178297
## 1183	-3.925134219	-0.386615500	0.245409949	-0.348837149	-0.5764827940
## 1184	-11.744906633	-9.194299485	-0.465722322	7.337724041	-0.1516524859
## 1185	-10.999300708	-2.275927833	-0.607661606	5.813529624	0.0291520223
## 1186	-7.804175597	5.651475570	0.970861939	1.386942093	0.2288821204
## 1187	23.242828227	-0.490481855	0.650644789	-4.036752870	-0.0248342880
## 1188	-3.306362003	-2.032033701	-1.198090653	-0.294088155	0.2384727558
## 1189	28.918687351	-2.557045898	-0.964620105	6.295260672	0.9465405710
## 1190	26.170663397	-12.412307479	1.229223300	4.673466395	0.2553358603
## 1191	-8.832198981	4.809235422	0.094424567	1.517982581	-0.6133264663
## 1192	20.275976134	-3.101804685	1.722973444	3.544654632	0.1512223736
## 1193	-7.874069145	8.533319926	0.732571735	3.223359963	0.3553237907
## 1194	23.909130324	-4.538850804	-1.502143522	-2.440547365	-0.0627645345
## 1195	13.427898321	-3.606709766	-0.995911478	2.477346461	-0.1557152878
## 1196	0.143822256	-9.975393615	-1.911645135	-2.493748328	-0.1470014652
## 1197	-5.555055753	-0.680178312	-0.662762819	1.727961960	0.1583971283
## 1198	-3.563381077	-0.457661921	-2.070305522	1.711141831	-0.3151859820
## 1199	3.399074350	-5.449892211	-0.279725889	-0.449213879	-0.3309502835
## 1200	-8.422031041	-2.193134843	-0.893089399	-7.950449929	-0.0760289338
## 1201	12.034715479	-0.250492409	0.007003494	-6.312985928	0.2659170650
## 1202	8.001172136	-10.858035507	-0.995526131	10.434984888	-0.1644912480
## 1203	-19.010897148	-5.707721155	1.538727442	6.324190059	-0.0400188109
## 1204	38.215042029	1.097534990	1.594393777	4.253703280	0.0620826008
## 1205	3.833397878	2.194570370	2.099376798	-6.788702427	-0.1607541940
## 1206	29.677259162	1.602157517	-0.903328239	0.021827350	0.7991339337
## 1207	4.023634156	0.412525157	-1.808385885	3.010954569	-0.1420745849
## 1208	5.920427319	-0.107073854	2.935905320	-4.439420216	-0.3811550617
## 1209	-3.129636459	5.436302190	0.308022304	1.038692699	0.6702180337
## 1210	-3.312666987	-1.208353080	0.099132808	8.579698148	0.2149584266
## 1211	10.560638539	-4.123972856	1.499533596	-1.748804143	0.3726568342
## 1212	-6.277454640	3.277250539	0.220382265	-2.530962752	0.5012353541
## 1213	-32.630323730	0.501301260	0.234331162	0.373174748	0.0231367962
## 1214	40.988673334	-2.148255626	2.172027843	-1.073180376	-0.0002882553
## 1215	-6.194476780	4.313323433	0.516066078	-0.142751576	-0.1370526833
## 1216	-12.556516486	-7.859910887	-3.119312476	1.861482760	-0.1483065744
## 1217	33.231794121	-14.012324106	-0.699102213	5.352627807	0.3112403555
## 1218	3.595935745	-1.498842717	-1.945010985	-6.787407083	-0.4114835666
## 1219	14.057973354	-2.258963097	0.707988651	4.116479124	-0.0008531351
## 1220	8.843089152	2.495332424	-0.775930004	-4.850926557	-0.7811547279
## 1221	-0.234389478	-4.145421204	-1.425616507	3.553479081	-0.3429321385
## 1222	23.698383761	-2.402820277	1.134540048	5.735131211	-0.0654153819
## 1223	7.818066886	-6.335576979	0.060730157	0.553444632	0.0733652426
## 1224	19.814919593	-2.480877151	-0.259142240	2.195584489	-0.4364329552
## 1225	21.680638672	-5.276846114	0.161063763	-3.447739065	0.2376486626
## 1226	5.702490834	3.860908246	-1.904520394	-4.843978932	0.9126388408

## 1227	2.044317679	-4.181104819	2.524143314	-3.778677264	1.1844896248
## 1228	7.515999586	-1.943115081	3.566544213	-4.008050138	-0.1623733129
## 1229	-7.902328298	-6.037353531	0.172682349	1.156199489	-0.6672866649
## 1230	-29.165231672	-5.536195818	-1.206273440	5.211022234	-0.2994394819
## 1231	-10.136397710	-1.849990637	0.374686331	-2.699612029	-0.0870743383
## 1232	57.583121856	-1.422480363	-0.342986972	4.146497396	0.0673431110
## 1233	14.108959009	-0.382338239	-3.018711872	1.087738836	-0.3801998232
## 1234	10.434091347	-2.901850995	0.040836043	-5.145038671	0.1593448508
## 1235	5.449581181	-1.219677996	-0.180350515	0.439956505	-1.0479254773
## 1236	5.774965086	-1.564148683	-2.160516294	-1.463346363	0.0191424567
## 1237	-5.085750684	0.087278061	1.519849289	5.632307399	0.1523800879
## 1238	-6.654182031	-5.030370343	0.593325582	2.934308821	0.1911609251
## 1239	56.818240917	3.571979558	-3.785021150	-3.149001136	0.2494474198
## 1240	-3.422564834	-3.154824988	0.706900669	0.483784074	-0.4768196576
## 1241	-26.840346462	-3.792994913	-0.191278801	1.019652789	-0.3709503768
## 1242	-9.184641527	-6.571839475	-0.678144581	-5.076439565	-0.6434502427
## 1243	5.136671764	-7.078029828	-2.248308464	-1.529463114	0.8961384618
## 1244	-8.893293483	0.921149103	-2.063960590	-0.966101702	0.3193097761
## 1245	9.204358541	-17.712891578	0.770615522	-3.166733626	0.2023744915
## 1246	29.792612835	-8.720938329	1.528860847	-0.728303464	0.3644378569
## 1247	23.270493730	-5.320496487	-1.949628850	-0.904601850	0.4771819301
## 1248	-8.393995975	-0.694103531	1.390769529	0.646999702	0.2193841061
## 1249	6.447891515	-8.628054668	-1.806996497	1.649277134	-0.3836159555
## 1250	2.305936597	-3.877856469	-1.753432403	1.866124717	0.4549097019
## 1251	-28.527354985	-13.148472891	1.385590442	-0.232369611	-0.1687774955
## 1252	16.487392174	-9.353292272	2.080337845	-1.598205328	-0.2002797476
## 1253	18.989073671	-1.955009037	-1.541642221	2.882503316	0.5523110873
## 1254	-12.451095544	-1.138231846	0.602806345	-1.101775178	0.4738953305
## 1255	-21.111862295	-6.124802164	-0.464220705	1.761898415	0.3222988484
## 1256	6.517884247	-6.457094676	-0.264205534	-3.663505065	-0.0475798049
## 1257	-16.719314198	2.885089794	-0.473286142	-3.814493215	-0.1161229194
## 1258	8.251667428	0.206065370	0.073966450	-3.584402225	-0.6254622555
## 1259	26.557901063	5.994989862	-1.931140501	4.467646005	-0.0652790867
## 1260	35.713628538	9.902470157	0.208364849	0.379581460	-0.0954288943
## 1261	-11.376102104	-7.655068205	-0.902947421	0.410060247	-0.4172686849
## 1262	-20.323552209	4.968247778	0.261679726	-2.461597263	0.0882340006
## 1263	11.331862468	-2.804410625	0.339133472	6.950085586	-0.3234050439
## 1264	-20.960113483	-7.836882216	-1.392799670	-3.860747928	0.5095167950
## 1265	15.509321678	-2.706329036	3.000852983	-5.268536412	-0.1406803216
## 1266	32.640414479	-16.213817390	0.060210020	1.755993822	0.3268059697
## 1267	23.017944693	0.026649088	0.638658539	1.082991086	-0.2888344448
## 1268	1.659649589	-6.506378129	0.639599052	5.423919281	-0.0141476693
## 1269	-11.809970708	-11.764074476	0.790934911	-7.081153617	-0.1377124608
## 1270	2.936956698	-4.254276866	0.690124556	-2.487711963	-0.0251900559
## 1271	-12.411759797	2.168095884	-1.164003689	7.935467513	-0.0912188577
## 1272	20.875667823	9.040290449	0.389536302	1.938110559	-0.9263940710
## 1273	21.694024445	1.181541292	2.728744124	1.208276210	-0.2863924248
## 1274	-0.852165605	-3.498258069	1.005316444	-2.697903683	-0.1029933747
## 1275	15.177972614	0.111133066	-2.186784509	-3.338981691	0.2745932928
## 1276	-15.845469204	-7.683677890	-1.276956973	-1.630482838	0.3729260939
## 1277	17.076913661	-1.154029370	0.282459058	0.280194862	0.0407118659
## 1278	39.097073451	-4.373594556	0.978175884	0.871502905	0.1936140387
## 1279	1.651378093	-9.949013512	1.429114590	-3.280741720	0.5982977219
## 1280	-11.673146572	-7.489160664	3.089350416	5.944794710	0.0155927143

## 1281	1.130572786	-0.352993317	-0.609220149	-5.139146367	0.2337635172
## 1282	7.596766936	-0.273955226	-1.862019030	0.512814296	-0.0546129605
## 1283	8.778930638	1.527290239	0.801397741	3.849478744	-0.3354131530
## 1284	-20.686271779	-1.278213691	-0.390324412	-1.293223479	-0.5223565034
## 1285	-38.036467102	1.510108827	-1.161550023	-5.695661495	0.3303976260
## 1286	7.667834759	1.919155415	-1.152532368	-1.498647542	-0.5864195380
## 1287	-0.591500119	-0.326723204	-1.669841871	4.493554017	-0.1068635474
## 1288	-21.726416765	-7.822459386	-0.978119300	0.637607467	0.0660196593
## 1289	-9.271140666	-3.901079257	-0.809224863	-6.248404419	0.0750858455
## 1290	-30.505930228	-3.985876035	0.903767659	2.534283070	-0.2252818989
## 1291	-9.266471171	-8.595108455	-0.211975983	6.496666664	-0.5658820620
## 1292	-10.992927318	-1.887190248	0.710629231	3.264803542	0.3533847600
## 1293	-2.801987075	-4.975168502	1.255683917	-0.429438203	-0.3896117201
## 1294	22.217621149	4.482332100	-2.248398199	1.552114786	0.1857510991
## 1295	-17.288405244	-1.924011077	1.795450385	7.180657158	-0.4221717165
## 1296	18.483303763	-0.277023906	0.442664913	0.578278577	0.7694802667
## 1297	20.833941322	3.663442366	-1.278871443	4.328203079	0.4373909090
## 1298	-21.691435719	-4.889297782	-0.716497481	0.990605439	-0.0272306567
## 1299	10.033221374	-1.457912877	-0.591103591	-6.671024686	-0.3375119995
## 1300	-2.361512079	-7.272065551	-3.505706450	-1.966181292	0.1405747388
## 1301	4.092609857	1.699880275	-0.758064939	-5.093390202	-0.2237967932
## 1302	-3.641185047	-5.757234010	-2.471757430	0.887799276	0.1993589091
## 1303	-0.868810694	-5.552712598	3.158197587	2.351817370	0.4283173609
## 1304	28.951400772	1.228386900	0.141404481	-3.172152451	0.4162942209
## 1305	12.494624730	-1.992707761	-0.857324359	2.578238566	0.5657048767
## 1306	1.729910861	-1.215290397	0.170153144	-3.820346273	-0.6467542982
## 1307	4.161827943	-0.199018986	-0.238622799	-1.249248546	0.2674854587
## 1308	1.923178469	-0.261276999	-0.016132151	-0.494968811	0.5408533137
## 1309	29.462375657	-8.409577270	-2.398672529	2.176199017	-0.1995868001
## 1310	29.533228714	-5.842293642	2.662467857	4.838484863	0.0210146335
## 1311	-16.286177496	-2.102365629	2.788814828	2.519611646	-0.1838070967
## 1312	-26.376063838	5.214088803	0.506519125	2.786663148	-0.6836439810
## 1313	5.349691966	-1.990285435	0.113910735	-3.807532283	0.3013891627
## 1314	16.732636484	4.435929983	1.264772664	-3.258313151	0.1974464572
## 1315	-8.125766958	1.805164454	1.428374455	-2.201183693	-0.0021602145
## 1316	1.387660725	-2.900792701	-1.417645549	3.620581384	0.4006638038
## 1317	15.572199846	1.720600383	1.746161893	10.443836957	0.0730168441
## 1318	5.231506162	2.490650888	0.550257405	6.492148434	-0.1936477981
## 1319	34.932744424	4.636663065	0.679592079	1.575398482	0.1610648690
## 1320	-28.026983725	6.495314533	-2.786812867	-4.159983764	0.7031018690
## 1321	-2.531415038	1.507791241	-0.947006603	-5.721914438	0.0506415350
## 1322	-2.597632494	-2.804989179	-0.767076951	0.453833706	-0.0228036432
## 1323	-32.889934167	-12.108155542	0.981534894	-0.658258912	0.1089332163
## 1324	21.832962214	10.619704076	0.227581044	-11.269102338	-0.0184473109
## 1325	26.855921667	-0.603870622	0.313468303	6.331035594	0.6339384816
## 1326	23.006067264	1.400247003	3.881180888	1.582571123	-0.7178516151
## 1327	-17.190129165	-3.549237256	0.027565326	-0.616764146	0.1584671961
## 1328	-9.856034520	0.150141028	-2.136309728	-7.003791796	-0.7192249468
## 1329	9.438394254	0.865116257	0.983043513	1.063530312	0.1978472035
## 1330	23.754440663	-1.460010365	3.309672075	5.815216924	-0.6439586219
## 1331	28.710587925	-12.212913695	-0.193578446	-3.725730769	-0.3237712141
## 1332	8.065927845	-4.284072234	-0.429513073	-8.548514320	-0.1498169278
## 1333	1.834880820	-9.502664614	-2.851790158	0.804463037	0.3004211990
## 1334	-3.238520700	-2.161369636	-2.144128950	-0.022163262	-1.1880096093

## 1335	25.310020168	2.336747105	1.385580020	2.175189212	-0.3020487153
## 1336	8.292991729	6.306228533	0.518943818	7.762868618	0.6750504744
## 1337	-15.381043537	-4.973224697	-0.315017161	-5.387046882	-0.5162595515
## 1338	-23.087829554	6.987139354	-0.654317304	-5.194807878	0.4006083715
## 1339	8.549127127	8.375993447	-0.457964743	5.484773394	-0.1299983568
## 1340	10.666623677	-0.263633343	-1.304246539	0.456405765	-1.0652418485
## 1341	-6.493544980	-7.699962014	0.458373303	8.369210375	0.0956321931
## 1342	13.361938734	-11.007580178	1.232938602	5.306187372	-0.4138295512
## 1343	28.307775269	-0.315410943	-2.691172631	-1.775510892	0.2244499005
## 1344	13.615330739	1.633144217	-0.221135316	0.492677392	0.3167377797
## 1345	-27.250554859	4.738968529	-0.457602340	1.918082148	-0.9231222449
## 1346	17.343676016	4.753949525	-0.178564039	1.765513866	-0.1013944685
## 1347	8.962390785	-5.615957345	1.168483641	-4.134421249	-0.6248154566
## 1348	8.430897493	-7.124483989	-0.372745864	-1.433314174	0.1041630407
## 1349	27.543279228	-4.174892056	-0.587531790	3.020102575	-0.3667155841
## 1350	11.558375311	-2.483963629	0.005060059	0.905137696	-0.2085320814
## 1351	14.791835787	-7.649138922	3.192383281	2.106611434	-0.5251895897
## 1352	36.599382471	-4.738106386	4.330499406	0.152143395	0.3867241906
## 1353	-2.045115773	-6.004835129	-3.700185969	-5.828707780	0.4165254592
## 1354	-27.319035396	1.898429683	2.745105597	0.393829858	0.1420753202
## 1355	-32.712854148	-6.750322848	0.580090807	6.770216943	0.4734435811
## 1356	-18.405035511	-8.181825476	1.193965666	-1.495519332	0.1667028685
## 1357	2.398160826	-4.793160951	-0.542460632	0.151556635	0.1263354894
## 1358	22.757681978	5.772802612	-0.486335253	2.843341216	0.3083590449
## 1359	-0.524034547	-3.541259769	1.080768373	-6.919013678	0.1511425959
## 1360	-2.737954736	-2.745668232	-0.600411617	-3.649916577	-0.5242698058
## 1361	25.925818944	4.294191548	-0.356253440	-2.249478656	-0.1075298599
## 1362	-5.758012250	0.987613704	1.151679095	-8.375049068	-0.3346934054
## 1363	-29.954058130	2.039553587	-1.621228063	1.033146798	-1.0827290027
## 1364	28.423659015	7.613103165	2.545672234	4.343794667	-0.2452827879
## 1365	-15.763860152	1.427252780	0.031457853	-2.013200445	0.2140981861
## 1366	5.018946311	-0.109046937	1.338012967	0.717361501	0.7656952150
## 1367	-3.310118022	-2.204636613	0.031000844	-6.112872270	-0.0697113372
## 1368	13.141556488	2.935310893	-1.948935376	-0.971493954	0.7563028813
## 1369	-20.227417360	4.489405971	-0.485675563	1.943965485	-0.0288331149
## 1370	-28.446103982	4.490114280	0.027650416	-2.201073714	0.2468929150
## 1371	-0.458694582	-3.818340403	-1.068687009	1.763145621	0.5457570850
## 1372	8.191947041	-5.024787164	0.267647660	0.181096987	-0.7813403193
## 1373	27.735578959	3.432765001	-1.896801563	-4.203876638	0.8509448506
## 1374	39.027464008	2.325707889	-1.371802080	-5.753541545	-0.3266944379
## 1375	-24.079409921	-7.382543563	0.572744567	1.902622122	0.1565311268
## 1376	10.302607633	3.593278767	0.794983643	-6.126275264	-0.3627863534
## 1377	-8.997108937	-1.429600686	-2.721050852	0.633673720	0.3965071455
## 1378	-6.435807733	-11.289087838	1.585135760	2.677165151	0.5093985388
## 1379	19.878169125	-0.676453068	-0.176033849	1.355665708	-0.0859991246
## 1380	27.075071712	4.336985946	0.346436902	-5.103110933	0.5437137564
## 1381	-0.041887258	0.531659509	-0.613122782	-4.190551801	-0.6375659749
## 1382	6.310586954	-1.516027014	2.344372047	-3.480710318	-0.6220396732
## 1383	9.270706113	-0.661332912	-2.442710558	4.655277169	-0.7387014935
## 1384	15.570343463	-3.387788983	0.224312046	-1.289726973	0.9329987592
## 1385	21.030979412	-8.582472515	0.736123722	-0.172642086	0.4750147566
## 1386	1.102753616	-1.796106532	-1.019578807	5.931196883	-0.2052376250
## 1387	5.605702379	-11.181180950	0.055438339	3.350407202	-0.3519850044
## 1388	19.569807131	0.914515841	-2.033105441	5.312098321	0.5046625785

## 1389	-8.463184488	2.100749955	2.733797181	1.436257948	0.2853022974
## 1390	11.602802211	-8.320453892	1.514769276	-2.037082386	-0.5209539896
## 1391	16.771421403	8.876351529	2.054936116	-4.821299643	0.0907163179
## 1392	-11.959889837	-8.395272958	1.729636352	-2.989435305	-0.2047610227
## 1393	-4.187705018	-2.883486655	3.219227529	-3.315303013	0.2063290715
## 1394	28.503251081	-1.179264048	0.907786591	-1.043700593	-0.6780546045
## 1395	-3.595508243	-8.192885285	-1.402154349	4.726684373	0.1614387682
## 1396	9.127048596	-0.972239133	-3.911437382	0.496300270	0.3322367058
## 1397	-13.971407860	5.599456191	0.797300066	-6.807704059	0.6769708459
## 1398	-6.633202092	-10.040421543	-1.153217191	1.902525652	-0.2991244643
## 1399	5.326184248	-4.747413029	0.802895289	-0.958149528	0.0665784170
## 1400	-3.491116788	-3.141772866	0.640495490	2.640761467	0.0435663726
## 1401	7.677310361	0.033545029	-0.204190641	3.880540507	-0.5931039152
## 1402	24.118249767	7.505544753	0.534012752	-2.669505115	-0.0934343483
## 1403	-22.065573662	5.765236523	0.401465728	-2.513293033	0.1666407539
## 1404	-6.939309700	9.806275774	-0.746151405	3.578240181	0.4946295602
## 1405	30.438857179	-8.025241867	-1.260565729	-0.903095561	-0.0979148823
## 1406	-0.305006573	-1.593973957	0.320459117	-0.344182492	-0.2650106820
## 1407	-0.549388046	3.066258411	0.068780603	-3.819806519	-0.0758852161
## 1408	26.096441118	-1.486909621	-2.834919141	1.776981267	-0.5881589852
## 1409	29.684397519	-4.785831644	2.494526148	2.546436529	0.1286581162
## 1410	1.438871262	-7.569057832	0.941269298	4.895238044	-0.5358991553
## 1411	5.493089764	-6.222675705	-0.302576026	-1.596427857	-0.8441205927
## 1412	49.433218935	0.996337619	-0.489386663	4.100620969	-0.5183530782
## 1413	11.857778578	6.835370929	0.225734769	-9.598521760	0.5997626766
## 1414	-8.893955416	10.007290535	0.263054985	-1.663586496	0.0537746604
## 1415	-11.345553198	-6.427887000	-0.377217777	0.823856920	-0.3353693045
## 1416	-19.307763026	-1.525897664	-3.263180142	5.141526754	0.0069014658
## 1417	2.252986941	-6.474547275	0.700309126	2.275560584	-0.3058653580
## 1418	28.163391124	-6.478200683	3.410321947	6.566831771	-0.2571598775
## 1419	20.587109843	-0.856780929	1.344127522	1.832139848	-0.1183718552
## 1420	6.431317362	-6.366009797	0.867456734	-3.354806480	0.3653823057
## 1421	30.004543292	3.329181766	0.745658050	8.728932074	1.1366356346
## 1422	-8.833506242	6.903562353	-0.041049672	-0.225483644	-0.4132133678
## 1423	-24.634189786	0.512555902	0.114939813	1.385764766	0.3383195266
## 1424	22.651680707	-10.147322040	1.306230709	8.769952845	-0.6408282183
## 1425	-7.839608334	-5.596938215	0.073630250	-0.429624642	0.8078251372
## 1426	25.994182746	-3.997540705	-0.430821790	0.886462173	0.3748888462
## 1427	26.604734522	19.593742222	4.909608083	3.152154750	0.0760044031
## 1428	28.060067954	-5.262638707	2.079636303	7.574084038	-0.1459521821
## 1429	-0.833230997	-3.574959963	-0.902938141	5.740994220	0.1652614990
## 1430	36.257154173	2.218323535	-0.241758399	-1.805507202	0.2709138575
## 1431	23.543352540	-3.421813070	-0.034636161	1.460056199	0.0191931314
## 1432	-12.766106867	0.441835197	-0.685853954	1.296908824	-0.1889134964
## 1433	29.584243923	-2.294924679	1.467379957	-7.769652078	0.3381900693
## 1434	4.032158261	-0.757021409	-0.314065445	-2.246346032	-0.0544980192
## 1435	-34.878252961	3.077766682	0.540478208	0.614139908	0.0147733633
## 1436	30.198724035	-3.686236224	2.231868588	3.816725784	0.3638329896
## 1437	37.095069329	0.575631874	-1.429689697	-3.834428837	-0.0603543481
## 1438	-21.232206693	-4.468305573	1.507499846	-5.240303360	0.0727964827
## 1439	5.790597705	-4.140379545	0.894589993	1.630033243	0.3146520555
## 1440	6.863431565	-9.354935812	-1.234683207	-3.008267646	-0.0430173415
## 1441	-1.463904720	-2.984172698	-2.293634863	5.657780759	-0.1423092037
## 1442	22.388172449	-0.552970176	0.473536104	5.337479816	0.2026043936

## 1443	4.193237374	-0.031820881	0.308804590	5.898303479	0.0247038910
## 1444	-11.905042971	-8.929965967	-0.931489658	2.690876726	0.0250766644
## 1445	1.157913878	-4.211831256	-0.746134640	-0.036461831	0.0647821898
## 1446	-10.729516512	-1.998401001	0.045128441	-0.397425042	0.5587310113
## 1447	21.454307462	0.075315521	-1.083650321	-1.043309978	-0.0573058331
## 1448	-15.382499242	-4.757493914	0.742332364	-1.622357049	-0.0845752961
## 1449	-8.830891324	-1.007453511	-0.487815136	4.178686857	-0.5860704135
## 1450	11.267032981	-9.772843645	-1.230437653	-0.947392501	0.0551515374
## 1451	-24.642501958	-4.992200526	1.426989267	-0.691897044	-0.5199495961
## 1452	1.343775132	6.334538367	0.017205569	3.359246996	-0.1863426146
## 1453	-1.879233663	0.094110947	-0.474077758	-1.198763789	0.1242566784
## 1454	-2.388246595	-1.573970376	-0.940085855	0.678832752	-0.4635221238
## 1455	10.036743239	3.822999492	-0.193705155	3.563805183	-0.0862695066
## 1456	25.929366826	-3.437293081	0.221801941	-7.383325662	0.2158198237
## 1457	-4.254438114	4.786244777	-0.321702331	1.192269480	0.0774821114
## 1458	14.006100390	-7.819756815	-2.189676041	-1.796763618	-0.1293184456
## 1459	-3.593636014	-2.184530173	-1.065979539	-0.746161473	-0.8831506082
## 1460	42.487697777	0.837731059	-1.712363334	-9.435069228	0.1481827953
## 1461	-24.325727470	-2.279288022	-0.859427086	-0.915062541	-0.3497587958
## 1462	-19.309002837	-2.555587018	1.754104355	-1.207397019	-0.4497286875
## 1463	-5.016924944	0.257690001	-3.048988476	2.398429714	0.4089778692
## 1464	40.664824891	-1.541795347	-1.388362947	9.164613675	1.1347237973
## 1465	7.189864327	7.036836721	-1.387809141	2.943563170	0.0751618242
## 1466	24.733868576	-1.129820323	-2.242663276	8.101775647	0.4794119639
## 1467	13.704588044	3.558570746	-3.009635817	-2.935536199	-0.7575551444
## 1468	8.872801765	-13.186127653	-0.433612245	-5.497592482	-0.7347256746
## 1469	33.653614527	-1.626498503	-1.198421304	3.003530855	0.5701732213
## 1470	20.815224178	-3.639848296	-3.472773383	-0.991241826	-0.0704683414
## 1471	31.169179217	-1.636083101	-0.691080920	-6.006376910	-0.3838496599
## 1472	11.393471129	3.340904912	-1.430067768	-4.097680500	-1.1984280685
## 1473	13.399799972	-0.499479498	-2.127679107	1.844461875	0.1356116346
## 1474	-5.400117960	-0.887008111	0.456359250	-0.590032475	-0.4814151865
## 1475	14.644366066	5.202630095	1.287355292	0.849058309	-0.5799219419
## 1476	13.101685564	5.135178786	-1.198259675	-1.695447377	-0.0454602631
## 1477	30.063916398	-6.309662933	-1.914589356	4.864236726	-0.0895599111
## 1478	11.716374938	-0.146660674	0.494878146	-1.805156853	0.4040179125
## 1479	7.437692830	-2.476403271	-0.177039576	1.473688714	0.3269164833
## 1480	-12.312861448	-3.810543948	-2.995619587	-4.040423904	-0.1272868151
## 1481	11.384466141	-3.244576355	-0.044705790	1.084687635	-0.0331201941
## 1482	-11.723987576	-3.170948742	-0.083883362	3.198480058	-0.5533446348
## 1483	11.938719240	-4.400527702	-2.057826161	2.841616899	0.5301453230
## 1484	-26.800148289	-1.248030464	2.679639891	-1.917137424	-0.1093499415
## 1485	-4.338544570	-8.038038676	0.941360770	-5.257290458	-0.3282243731
## 1486	6.521936739	-5.658596578	-1.214959754	5.032987873	-0.5754765103
## 1487	3.647948632	-3.769259756	-0.110185036	-2.296286596	-0.4990940608
## 1488	28.345108363	-0.769835044	2.275889730	-0.519138695	-0.1779723476
## 1489	-13.274608995	-5.692111968	2.011051595	9.487985002	0.9461690340
## 1490	-1.452566344	-2.819882864	1.744284981	-9.108569687	0.3129557241
## 1491	-16.919077847	4.362535427	-0.241373462	-4.798318000	-0.0805951108
## 1492	-3.829519983	-9.524511824	-0.602288917	1.456434948	-0.2227399995
## 1493	-10.897808379	-4.020577639	1.531088990	-1.793617609	-0.1091727961
## 1494	27.503069590	2.017408731	2.124916121	-5.142856269	-0.7315377798
## 1495	47.406876471	-2.449386031	0.643592658	-9.103003662	0.0268745379
## 1496	20.044841846	-1.193985415	1.145660582	-3.986719055	0.2649184774

## 1497	-4.534413265	-0.330961497	1.155992946	3.012338374	-0.0855314968
## 1498	6.940951169	-5.959157037	1.425011722	0.958984270	0.3110310960
## 1499	18.262098809	-0.493272642	1.508022736	6.308577276	0.0313291875
## 1500	-20.907665287	-4.793938045	-1.840249145	1.018777278	-0.4582077285
## 1501	-11.909533563	0.791433326	0.008296244	-3.751007663	0.7239541908
## 1502	3.268012849	0.096282017	-1.363922749	-0.193633837	0.6456336893
## 1503	27.843224243	-8.053079011	0.154972869	-1.556456721	-0.7335413842
## 1504	3.267222016	-0.916544348	1.969866727	-2.026462254	-0.4232430057
## 1505	-15.517810734	3.549136549	0.241615577	1.769135066	0.7939998917
## 1506	3.971220895	-5.712966799	1.120175590	-4.646237144	0.1434254827
## 1507	-19.531536810	3.084648664	-0.611851608	-2.657592975	0.2936388540
## 1508	-3.725834710	-1.943340995	-0.842409739	3.561379737	-0.1599270438
## 1509	-12.780625234	-3.633599327	-0.091338834	-3.508104169	0.4234676817
## 1510	-3.930370083	1.849031330	0.163710052	-2.311956064	0.2241259461
## 1511	3.280919867	-4.708457794	-0.454239852	2.998410160	0.1973455187
## 1512	-6.145335205	-4.132971744	-1.457805040	5.045281951	0.4371728933
## 1513	-17.093347272	-0.323744815	-1.412961380	-3.163877104	-0.7154381652
## 1514	62.178865525	-3.064558068	-2.282306687	6.809782886	-0.8414161274
## 1515	6.528810259	11.507496405	0.839271825	4.781473350	0.2760896380
## 1516	28.567965974	2.116830049	-0.245605823	-4.761123902	0.0243096812
## 1517	-17.266190664	3.697130721	0.681353781	-4.930597905	0.8313664255
## 1518	13.867228890	-10.541096226	0.193330511	2.928629332	0.5234089860
## 1519	13.742113329	-6.611847362	0.825086254	3.286799364	-0.0058429061
## 1520	-5.655615554	-5.541097229	-0.207987363	2.613219035	-0.5488450656
## 1521	8.280742555	0.084851749	-0.772681576	-2.245352268	-0.2932766965
## 1522	21.317034794	8.197119090	1.348236481	-2.404065541	0.1077483544
## 1523	10.625058049	-0.665907069	0.231407326	-3.977806429	0.1497344336
## 1524	6.934359728	-4.253971544	2.058012339	4.062568355	-0.2983281549
## 1525	-4.924215355	3.062832476	-0.786834023	-0.952295767	0.0727486773
## 1526	-4.419677083	-9.513257314	-0.419321641	7.298131720	-0.4753408354
## 1527	-1.351706026	-4.489529389	-1.176312992	-5.085294171	0.0758995919
## 1528	21.948932378	-10.271811735	-2.481438798	3.896657503	0.0635423066
## 1529	20.715344417	-5.490396694	-1.898648418	8.006541534	-0.2711129539
## 1530	20.762346427	-4.711838470	-1.016352213	-2.630922909	0.0911175576
## 1531	-14.117327819	0.948603476	-0.226016672	2.720832383	0.3799778191
## 1532	-17.943379422	0.142904906	-0.179905246	-9.109854771	0.2215906387
## 1533	19.588953006	2.284427476	0.352637408	-5.090763525	0.0267586301
## 1534	5.441176510	5.196191449	0.328311824	1.140167817	0.3391300077
## 1535	11.777576555	-9.447680928	-2.193355800	-0.786229234	0.0768938913
## 1536	19.894899101	-6.416846919	0.246293721	5.520096818	-0.6305937095
## 1537	-17.954021717	-7.411572229	-0.337853501	-3.878170944	-0.1469199388
## 1538	24.984230677	7.020130474	-1.023317141	-4.483184330	-0.4201078521
## 1539	24.905539382	0.215477583	0.426361705	-5.672276236	-0.2285487152
## 1540	2.497486939	3.741079984	-0.344033684	4.108246760	0.2693609269
## 1541	8.854482008	-3.092481911	-0.302671557	3.040899145	-0.3495004582
## 1542	14.964330134	-5.570224753	-3.217763016	1.071524211	0.4395025788
## 1543	17.776563819	-16.636625384	-0.544002645	-0.035316456	0.3432838757
## 1544	29.605881821	-1.919597025	-0.449823352	0.302445360	-0.4812068396
## 1545	5.330447773	3.105098657	2.975746629	1.268299218	-0.0346749267
## 1546	0.972486917	-8.232583861	2.937315290	-1.961688982	0.1853099059
## 1547	30.969165760	1.498248910	1.110239530	-1.180285859	-0.0423043367
## 1548	39.240143795	-6.793888673	1.038801439	5.242072309	0.0147596228
## 1549	57.439447716	-1.213881361	-0.215273968	6.444168605	-0.1870832969
## 1550	43.310370669	-9.483308301	-3.754033794	-4.324748156	-0.2338551108

## 1551	-29.888995946	1.561876610	-1.047004500	-7.298014510	0.5475291633
## 1552	12.416382982	-4.038469742	-0.559637089	3.833197238	-0.0099301548
## 1553	-6.015621725	-7.957935751	-0.898484373	1.007074114	-0.7286003578
## 1554	0.407790734	-2.523435878	-0.881947068	1.444632718	0.2406713860
## 1555	27.066092861	-11.387354101	0.044853981	2.034942365	-0.0286697530
## 1556	6.281657428	-6.878911635	-0.204189982	-7.618194342	0.5469733793
## 1557	26.061721302	-3.602584125	0.367007116	1.015560194	-0.4362117347
## 1558	-35.828466568	8.963859945	0.230678558	-4.266333331	-0.0820652748
## 1559	1.659808903	-1.587008293	3.589992337	-9.412819060	-0.1725795058
## 1560	-17.761711447	-7.296402342	2.132628553	0.389441669	0.3030780636
## 1561	-7.778448644	-1.401538231	1.316926399	-4.754796585	-0.1831675240
## 1562	9.241175706	-4.751366217	-1.599350972	-9.834837111	-0.0600990129
## 1563	-4.781736544	-4.727991039	-2.772047616	0.004854858	0.4957400881
## 1564	-28.286138249	6.650213438	1.621701686	2.460356679	0.2759651530
## 1565	46.162721857	5.453195846	0.966895980	0.292263979	-0.3611869917
## 1566	39.377287333	12.279422648	-0.492223789	5.324528141	-0.2924004863
## 1567	-23.922951788	-6.623618245	1.223603753	2.393018056	-0.2427191372
## 1568	6.702463596	8.178136002	-0.175109493	-11.926057474	0.5747574659
## 1569	13.712107054	-3.586793448	2.510824421	-8.514247730	0.1313031122
## 1570	-16.072136639	-2.144715262	-1.539428116	-0.811666341	0.2398394881
## 1571	-4.148859604	-6.595310782	0.259089912	-2.092421174	0.0565933872
## 1572	0.771687723	0.466982063	0.824432582	-0.712267983	-0.1539027943
## 1573	32.098880614	-0.206195732	-0.373827511	3.934425877	-0.2077334922
## 1574	12.120241360	2.546124984	-0.320884430	-6.378880849	0.4186536402
## 1575	-19.420554603	-5.080346727	0.216028357	-6.213124644	-0.3890311832
## 1576	-21.449120895	7.557885735	0.554603207	-0.171815848	-0.1223379455
## 1577	40.135551192	-6.427820257	2.257004608	-5.617184994	-0.2414917651
## 1578	35.748316423	-5.110466952	-1.728577630	-6.932550509	0.1772533135
## 1579	-7.981688734	-0.667592599	-1.096729836	0.144171976	-0.2737258238
## 1580	30.861608184	0.331259843	0.478070150	9.063882402	-0.0873765217
## 1581	41.670411135	-3.450266922	-1.975591200	2.975078461	-0.5147188434
## 1582	18.189547739	1.349322223	0.241612970	5.837239107	0.1361091879
## 1583	38.947159884	7.008165501	1.031859126	3.398927941	-0.0088743557
## 1584	12.675524704	-1.341734290	-2.425810033	-1.642976411	-0.1159495655
## 1585	-28.940599791	-6.435550605	-4.012081627	1.116744582	-0.0324834447
## 1586	-19.373771209	-3.026252037	-1.176623820	-0.699459407	0.1474187114
## 1587	28.337218209	0.749251051	3.637075808	-1.760903406	0.7989218139
## 1588	32.129263714	4.912234026	-0.439962264	-3.027538885	-0.3463220118
## 1589	20.042589867	0.369315743	-1.252232501	0.541778921	0.0357439771
## 1590	42.066048165	-1.309228793	-0.791078792	2.199361344	-0.0161609077
## 1591	22.054900769	10.187988710	-0.747027908	-0.513079421	-0.2816908538
## 1592	30.723415476	1.229509446	-0.760321589	0.430128833	-0.4457464427
## 1593	-6.049187150	-0.731722407	1.487408321	-3.925131458	-0.2879930767
## 1594	19.597587585	-3.858570507	-0.662576234	7.108408684	0.6222613244
## 1595	17.064403319	-2.241580422	0.530108708	-0.703255945	-0.6477600616
## 1596	7.157206855	-6.704948628	0.863429243	-1.666562816	0.0208456368
## 1597	14.597184198	-5.244984388	2.005172771	-5.189063080	0.2510856189
## 1598	10.729066537	1.582109018	1.102727374	0.076077216	0.1709998704
## 1599	8.042853628	-1.465305151	-0.494320406	7.377536355	0.1805900518
## 1600	0.444184893	0.068198103	0.237323730	-4.143020983	0.6485505380
## 1601	10.797227118	-4.546931920	2.256359740	4.290255443	-0.0025493346
## 1602	32.205714388	-5.900080198	0.306967076	1.518385024	0.3308589692
## 1603	11.418130342	-6.922829851	2.008505221	-2.438348088	0.0658717807
## 1604	3.746218896	-5.124208897	-0.164612173	1.219743833	0.1972222998

## 1605	28.286828994	9.419710687	0.080623603	7.897273542	0.2024874625
## 1606	6.055436099	2.331449052	-2.169756352	-1.159651372	-0.3282637045
## 1607	-1.828973279	-4.800652700	-0.797924352	2.171360461	0.2069529425
## 1608	19.306508547	-2.518165310	-2.077554112	1.699858911	-0.1927915126
## 1609	-9.927166088	-2.937357748	1.364899942	7.854441881	0.3982681953
## 1610	24.397379654	0.989457879	-0.467517217	1.992781839	0.3756643470
## 1611	-2.004795375	-4.071352981	-0.330977749	2.858217277	0.5092160264
## 1612	-30.082041621	2.946979325	0.532776771	-1.100257410	-0.0884276761
## 1613	-0.688638000	-1.918801737	-0.192500268	1.855573038	-0.5820181827
## 1614	1.504887218	0.888142423	2.628711749	5.792079649	0.1131737813
## 1615	-23.273014290	-5.703977273	-2.930036597	-4.218490526	0.4980041273
## 1616	-14.534212411	-8.423414189	-1.343546741	-2.409867915	0.0506911140
## 1617	8.333856451	-7.267385057	0.969758165	4.958171893	0.5798034450
## 1618	-23.504151815	2.445091086	0.415302243	1.506213535	-0.1401767958
## 1619	36.947932765	0.131371441	-0.059590355	-1.857351799	0.4189879027
## 1620	22.325100073	-1.699243314	-1.798434085	-2.395580411	0.0924746320
## 1621	-15.516296599	3.173764441	-1.037230059	-2.048218898	0.0126209473
## 1622	-8.353819457	7.565641355	1.142998757	-2.065906602	-0.6701105964
## 1623	20.031420786	-1.758045854	3.674697053	-6.131224107	0.3341419786
## 1624	35.252698175	-0.950524992	-2.795743057	-0.335358604	0.2335466968
## 1625	-6.018584733	-0.227425661	2.007064532	-3.113556030	-0.1103834900
## 1626	3.729347723	0.300145640	1.634011040	-5.171617831	-0.3624535263
## 1627	35.943424600	-4.832318897	-1.134945640	2.388952048	0.6371396053
## 1628	-18.085502967	0.809396968	3.611767118	-9.592436979	0.1241536163
## 1629	5.365612213	0.719173296	0.593626690	-3.980051091	-0.3958699506
## 1630	26.323595074	-0.345602284	-0.634177544	3.502844600	0.5880298874
## 1631	14.810895285	-2.592732928	-1.225247516	-4.482771162	0.2869953141
## 1632	0.747681556	2.547144772	-1.045270466	1.681968277	-0.0450391983
## 1633	-30.750691789	0.245071104	0.501421621	1.915589758	0.2661189999
## 1634	4.574894579	1.688477904	-4.060514397	0.075196714	-0.5683491863
## 1635	-13.775762911	-0.803045097	-0.333983990	-3.013947562	0.4569227579
## 1636	-7.735569271	-10.462052983	-0.148447404	3.903240039	-0.6468742547
## 1637	8.194760621	0.192267527	-1.848031056	0.857631095	0.3338069732
## 1638	-37.554463059	-0.324767183	-1.245026903	-2.892917399	-0.2514469388
## 1639	-3.990339548	-6.675014477	1.206785772	-6.697724529	-0.4593120089
## 1640	-1.018842018	-1.804782835	0.186992791	-4.338477664	-0.6657212991
## 1641	10.989113664	1.862687030	0.157430071	-0.579382448	0.2908121033
## 1642	-4.384704172	1.231623541	-1.842571306	-0.960381765	-0.1750997875
## 1643	-8.365772913	-0.959451105	-2.452370224	-2.926317423	0.2633749052
## 1644	26.109033862	-0.828899069	-2.838698584	3.865235385	0.3413277506
## 1645	-0.124212505	-0.094394744	-0.417099743	3.613564794	-0.4891366391
## 1646	-6.711403362	5.595499782	0.506268385	-0.440784841	-0.2051000048
## 1647	31.779564369	2.129454487	1.175320751	-4.319928532	0.2425949051
## 1648	54.942333682	-4.650350862	2.618060230	2.513981264	0.3095262952
## 1649	0.352868125	-7.695171848	-0.030759913	6.764645155	0.1755781979
## 1650	-10.071703163	-8.564408922	0.803171872	3.691478264	0.1398471821
## 1651	25.883071644	-0.698485820	1.824804875	-0.935693343	-0.1146900825
## 1652	13.767554123	-2.091184842	-0.715294155	-5.555905726	-0.3232678316
## 1653	-2.097304521	-3.922284404	-1.464326845	2.949190923	0.4696578562
## 1654	31.826502921	-4.572295271	0.568816413	-9.255533380	0.6019963079
## 1655	19.867827581	2.422874209	0.024864308	3.151692552	0.5143465886
## 1656	-35.269469118	-5.904166974	0.103976762	-0.557620866	-0.4594413507
## 1657	13.919410301	1.591129182	0.673683006	-2.485391290	0.1744709116
## 1658	-11.128631138	3.013096661	1.537106714	3.118929254	0.8134866095

## 1659	7.082980864	3.660437029	1.513106944	-1.059324968	-0.5013716405
## 1660	33.385744088	-1.497460430	-0.016892324	-4.335810321	-0.1717357399
## 1661	-3.659752677	9.873847142	0.432767909	2.809066296	0.1584381625
## 1662	30.149486957	-3.226900578	0.687187011	-6.300759445	0.0774087168
## 1663	7.395060119	-3.320565270	-0.001173014	-8.070375226	0.1298631111
## 1664	-0.696631640	-2.049364541	0.780568244	-1.945816081	-0.7424715415
## 1665	32.840014240	-11.905583565	-0.270996832	-4.355966755	-0.3022031741
## 1666	9.164265994	1.481386933	-1.630898885	-3.683076297	0.1042441958
## 1667	3.882606012	4.176751844	-1.146977937	4.827604344	-0.3738689239
## 1668	34.166191322	-6.575208626	1.276350608	1.999950641	0.0494007132
## 1669	13.534001804	-3.239588758	0.246394410	-3.465642457	-0.1738839737
## 1670	-2.100359593	-5.945054532	0.684767358	2.985033876	-0.1929691361
## 1671	14.272967201	-9.939871050	-1.439388071	-2.798378182	-0.3782855270
## 1672	13.096119700	-8.934527159	-0.798359131	5.431079497	0.1742951718
## 1673	7.734735778	-4.582593195	-0.192361052	-1.887754291	0.3697881475
## 1674	12.319303932	-12.038811948	-1.757488391	1.430658233	-0.1118854681
## 1675	13.403619243	2.708690646	-0.466128372	10.161698278	-0.5159456809
## 1676	-42.881618423	10.485711761	-1.255299848	-1.037773808	0.0529436523
## 1677	36.513261142	-3.604712543	-1.692999656	-1.209133533	-0.0668169463
## 1678	44.611133223	-2.923540997	-0.654773441	6.466603635	-0.3724243449
## 1679	21.000281576	-9.574073265	4.305161796	2.424386792	-0.2574126832
## 1680	18.831370173	0.937430788	0.755652530	-2.358357131	0.3228784419
## 1681	40.590151756	-8.992340393	0.308801783	-2.708285858	-0.4386817956
## 1682	40.708540485	-7.031873528	-0.449433692	3.928971371	0.0906113865
## 1683	8.922800536	-1.502620997	1.594930981	-4.626248159	0.1602622910
## 1684	-14.191349521	-8.995134547	-1.185791320	10.535253685	-0.5205682288
## 1685	-22.446901210	-5.596305123	-1.329332581	-0.435907916	0.9864304427
## 1686	15.512132628	-7.253057110	1.371834773	-2.284292893	0.3882083177
## 1687	2.894660988	-2.605379271	0.395591093	5.030970403	-0.1338475590
## 1688	-6.050725838	1.812097082	1.863198442	-1.347696287	0.3364885390
## 1689	-11.885167299	-4.522040159	1.691357912	6.345721374	0.1885218013
## 1690	-4.553213018	2.700728529	1.323848336	-3.473417866	0.0530289999
## 1691	18.221839553	1.138103933	3.542991677	1.447151580	0.5125745465
## 1692	-22.048617126	-3.091835435	2.575109030	-8.522711526	-0.0929644055
## 1693	20.559924271	1.743712641	-0.016298098	-2.521545016	0.7269558352
## 1694	20.504128210	-1.950822234	-0.247538602	-1.374370932	0.4663540115
## 1695	-20.220873718	4.716078588	1.631287058	2.531669363	-0.5151691025
## 1696	3.343700945	-3.142824811	0.014118329	2.242541026	-0.5525896729
## 1697	-5.549099744	8.259022850	1.016757737	-0.689181658	0.0302655107
## 1698	5.481821859	-2.019071125	-0.842075069	-3.071530247	0.0130473032
## 1699	6.579331687	-0.731712387	-0.342463274	1.781285069	-0.3961188185
## 1700	10.994678653	0.535622893	2.477160620	2.197693917	0.0768280459
## 1701	30.178232651	-0.400194591	0.680097970	-4.105891759	0.0482964590
## 1702	0.270005336	-0.704785058	2.917331640	-0.566144438	0.0779941395
## 1703	-9.503520253	-5.255022971	1.353185545	-6.655057807	-0.3991906552
## 1704	-18.937935039	4.781765533	2.473658630	-1.760064427	-0.1611010385
## 1705	24.603507393	4.045029278	-0.127042393	-1.976949520	0.4964256546
## 1706	-37.621780984	-1.875313233	-1.950630647	-5.534538135	0.1511945110
## 1707	7.014461654	-6.363592196	1.627068847	3.802067644	0.9737682083
## 1708	-7.759331567	-1.520506097	-0.302379130	0.900300829	-0.2246033729
## 1709	16.473298661	-0.249458265	0.552825012	-4.165776922	-0.1498329855
## 1710	43.488243278	2.972709650	2.822089425	-1.966758564	0.4355351515
## 1711	41.427788172	-12.729311956	-0.141497785	1.584585894	-0.2672763687
## 1712	47.067504159	1.670178344	0.390169985	11.952697496	0.0750805431

## 1713	-5.564270831	-4.292583899	-0.862057238	-6.051420661	0.1234586737
## 1714	27.283731968	-1.534838874	1.411991229	-2.458335335	-0.3716810133
## 1715	-30.786771316	4.410488602	-1.258190190	3.632814128	0.2740118350
## 1716	28.294843770	-2.875521641	1.123819175	0.659294487	0.4069683180
## 1717	-7.598597793	5.731543716	-1.411528525	-3.277198001	-0.1896177807
## 1718	-18.154780665	-2.431117791	0.266454713	-3.153409998	0.3153316098
## 1719	-0.677888827	2.836994514	-1.641522986	1.478880215	-0.3184106143
## 1720	29.508006921	-1.406940879	-1.609520970	-2.502550523	-0.0258132217
## 1721	0.413752965	0.565287671	0.646779006	-7.852065879	-0.1689363089
## 1722	12.589054132	-0.821549506	-0.803419677	3.966854162	0.2881669252
## 1723	-6.795508146	-1.210552352	1.168100952	-1.619597995	-0.1466504718
## 1724	-17.904357148	0.102400926	-1.415709395	-0.785440153	-0.1489426736
## 1725	2.952683142	-3.717645463	1.873362989	1.550143520	0.5201190133
## 1726	17.076071000	4.000111827	-0.140736433	0.588929383	0.6522217149
## 1727	2.244105690	-0.706474029	-0.221609035	0.703601054	-0.1089297619
## 1728	-20.770503199	0.544670677	-1.341304074	-0.485737008	-0.3787891949
## 1729	3.372442511	1.979601679	1.006744001	6.507249156	-0.4267862379
## 1730	6.866431173	-3.081276305	-0.903124801	2.111282775	0.1592136335
## 1731	-2.912214201	-4.197757507	-2.874773930	-4.155566709	0.7424531294
## 1732	-12.923842481	-6.852701016	-0.466167493	0.878424584	-0.0921240302
## 1733	33.260978203	2.084028056	-0.049549201	-3.311917111	-0.0843531867
## 1734	1.503154088	-9.541567473	1.025675991	1.180848585	0.0375745836
## 1735	27.837496786	-0.456110687	-3.564633165	-1.694349516	0.1930517853
## 1736	13.065908268	-3.613178396	1.048151565	1.105801468	-0.2262827920
## 1737	18.065759359	-3.551069925	0.313486278	0.455658496	-0.4524940222
## 1738	4.797948073	2.361236907	-0.930768936	-0.225632595	-0.1728759360
## 1739	59.695137179	-2.133041431	3.033771111	3.241659132	0.2492865222
## 1740	6.525208555	0.200554417	1.825302859	-3.082130361	0.6165612393
## 1741	-0.832849614	-2.352281061	-0.289215310	0.087865336	-0.1517073463
## 1742	-21.641573351	2.074619340	-1.594975955	-4.986050825	0.7067458978
## 1743	34.810024798	3.487153853	-1.690926314	9.329460359	-0.6292565064
## 1744	25.292111794	7.431708008	0.932367924	1.463987170	0.4352539225
## 1745	9.950404135	1.340185413	-1.061550350	5.001899779	-0.6079176886
## 1746	-0.179306366	6.668907766	-0.238037628	2.959030220	0.2691661604
## 1747	-10.265535834	4.706929533	0.760725411	-3.704750766	0.2229575691
## 1748	17.574710706	1.795249814	1.023841327	-7.142813815	0.2157911530
## 1749	12.640953701	-5.976274676	0.308200212	1.183181725	0.2905793432
## 1750	9.718423836	-3.053338982	-0.323054624	-1.206962305	0.9389273532
## 1751	21.975258890	-0.310027712	0.738397456	2.698631296	0.3876161021
## 1752	16.776761282	6.269545235	0.678857491	0.590530604	0.4198724250
## 1753	21.023438239	-3.793128876	2.198987868	0.668297242	-0.3934376305
## 1754	22.367876075	3.358912794	0.079072344	0.493207414	-0.0310819022
## 1755	44.299589138	-0.339064614	-0.812942406	-5.588777908	-0.1032833787
## 1756	31.227199167	-11.330055242	2.837712982	-5.951523467	0.2265446249
## 1757	18.922725791	-9.085250818	1.276445608	-0.408839857	0.1222927141
## 1758	-13.145945814	-3.605836950	1.691108917	2.257538653	0.3271374551
## 1759	-16.000435071	1.955058365	1.879853968	1.079023777	-0.3902827892
## 1760	19.919989435	-7.408138103	-0.727066316	4.296907825	0.4416876492
## 1761	-4.096086063	-1.222582565	0.242813913	-2.128388969	0.2864660335
## 1762	6.222658064	-7.347162307	-4.187389608	1.938343800	-0.5917539679
## 1763	3.512340687	-4.711455277	-0.778614679	3.982147434	-0.3394422089
## 1764	21.506448431	-1.873176400	-0.625537179	8.185756228	0.2872007365
## 1765	-8.604641797	-12.816071165	-0.228964237	0.151380625	0.5366397053
## 1766	7.924831021	3.748998970	3.062785580	2.800997747	-0.0468742549

## 1767	-5.089408099	-12.112416454	0.208274181	8.766895225	0.2587174309
## 1768	14.068968205	-1.948763046	-0.826383741	-2.125914241	0.1548731640
## 1769	16.000213727	-5.807507730	0.800146459	-1.918662814	-1.0364587200
## 1770	-8.987005963	-3.310383559	1.950229324	0.166665771	-0.4030812585
## 1771	-6.612222093	1.387688336	-0.193170031	0.571701719	0.1811671001
## 1772	10.695088006	-1.065658534	-1.091626343	-4.331985419	-0.0670407959
## 1773	22.487579066	7.401499335	-0.497939151	-4.482401345	0.3129860175
## 1774	3.943176462	9.543768250	-3.282146995	2.945028729	-0.1439090190
## 1775	-5.581128803	-6.688798966	-0.873134728	1.077657092	-0.0442838901
## 1776	9.600998747	1.045370936	2.229067846	7.114896895	-0.6979486870
## 1777	-5.361332389	9.105918852	0.148885325	-0.852635849	-0.4171475028
## 1778	8.843912654	6.807419699	2.312317013	1.484184539	0.1572146289
## 1779	-8.746329868	0.144786448	-0.140673891	-10.879796236	-0.4393593818
## 1780	-11.338898237	-3.093794503	1.558657654	2.450146103	0.6840582939
## 1781	-11.532438841	-3.662369323	1.243528302	10.023511541	-0.4411794582
## 1782	25.796084538	0.532520464	-1.700581236	-3.606100194	-0.4699555444
## 1783	9.394302082	-2.991817474	-2.367114010	-7.132157882	-0.3987516085
## 1784	-8.581387480	-0.262764803	-0.690584827	0.683401681	0.2990992097
## 1785	-10.843465420	-4.012192802	-0.512220805	-2.925570382	-0.3720318727
## 1786	-10.822024549	-2.837441269	-0.689471609	9.642450477	0.3243726461
## 1787	16.882812265	-8.564129196	2.050005109	0.899074367	-0.1156420849
## 1788	17.354908475	2.565239606	-2.770941785	-1.240519730	0.6353743263
## 1789	4.309960456	-1.703975764	0.555149995	4.450785877	-0.2272961288
## 1790	-13.177463135	-4.136562607	1.196972011	3.321751456	-0.0479946140
## 1791	-15.246080860	0.997049631	-3.264221505	5.138941384	0.5282727373
## 1792	-10.641595695	0.034845793	1.339543869	-4.919840061	-0.6733946430
## 1793	-33.672125935	-5.868179851	0.752359834	-3.446768330	-0.6017911784
## 1794	-17.792704884	-1.498395083	-0.878387039	-1.900193033	-0.2798095824
## 1795	-3.959167980	-8.792973016	0.298885748	3.111242799	0.0778294451
## 1796	-10.504556535	-4.967976398	-0.200422502	-4.164346860	-0.0688432934
## 1797	10.260210696	3.111787052	-2.229870541	3.613527723	0.3200421303
## 1798	26.502777445	2.820759370	-0.151325344	0.886480837	0.3705228722
## 1799	4.698126471	-0.502590240	1.770882429	7.535681044	0.5445946508
## 1800	7.504484259	-3.163439868	-0.620454221	4.413551155	0.4047560471
## 1801	45.110221168	-9.673511162	1.929159299	-3.941268543	-0.2871551743
## 1802	1.627452547	-3.930908718	-5.968871124	-2.467028086	-0.2149887955
## 1803	26.036960810	-1.146039260	0.439592156	-1.525832797	-0.1608118939
## 1804	4.008618698	-7.400925333	-1.091928437	1.958676459	0.2120506092
## 1805	-3.459022753	-5.011319256	-0.984675518	0.282825005	-0.1711851855
## 1806	-0.360303144	-6.931636230	-0.507313208	-2.490929941	0.5675125723
## 1807	13.025667716	0.181161667	0.549163229	0.718019091	-0.2460665159
## 1808	23.325114653	4.706732047	0.482136025	-0.185810584	-0.5379002150
## 1809	-29.407954828	-0.467389430	-1.954630381	3.206298752	0.7121440477
## 1810	25.747239282	0.322697549	1.648817303	4.583205380	-0.3730486801
## 1811	-31.747094478	5.658023991	1.473625486	-7.605296043	0.1968777486
## 1812	-22.568385306	4.520355345	2.845014736	-3.908946564	-0.8402560540
## 1813	9.921342273	1.107352503	-0.016200697	1.699733060	-0.3057782539
## 1814	16.690316665	-1.410465270	1.076445169	-0.199982477	-0.0863615970
## 1815	-9.388144753	-7.175747030	-2.936372762	-4.391130725	0.1394006500
## 1816	34.663007546	2.003533719	1.229398987	1.144283898	-0.0949197487
## 1817	-5.676288844	-4.820839910	-0.003306730	7.188631542	0.5106763474
## 1818	24.932527549	-1.352528209	0.900095636	1.283438524	0.5437906303
## 1819	10.384288473	0.137016062	1.377201277	1.207561672	-1.0832116427
## 1820	-14.633400722	-5.861142773	1.021459256	-3.080323587	0.2740983393

## 1821	10.841241828	-2.749953282	0.442061909	-5.597170753	0.3880811180
## 1822	15.160372587	2.945682657	-0.111100097	0.749028250	-0.3746942958
## 1823	18.415164165	-4.753170836	0.137537348	-4.461918044	0.0514012120
## 1824	41.487398186	5.416547099	-0.182481783	0.529492838	0.7965118876
## 1825	-3.341532502	-3.312712224	0.633153944	-1.110722649	-0.1335646037
## 1826	-1.803426642	-1.348744274	-2.292853342	-0.529430692	0.3777710427
## 1827	15.551299762	-3.223069796	0.147419266	0.043680011	-0.2782276479
## 1828	-0.730737836	13.884865141	-0.135184924	-1.577891801	0.2212862756
## 1829	25.103559293	3.518796257	1.091713375	2.644036907	0.1984532425
## 1830	54.344362792	-7.982818458	0.585616467	-0.359812178	-0.2665659756
## 1831	-7.358237877	-2.275051489	1.068400822	-1.178700591	-0.0425189084
## 1832	25.548813081	-9.698908930	-0.629436321	-0.450334667	-0.3049618639
## 1833	79.398808649	4.261646438	-1.065591369	1.027073416	0.0865401854
## 1834	-68.567825543	6.168734128	-0.327949789	1.209663619	0.0274516668
## 1835	13.265285141	1.417923140	1.147459213	3.578558139	-0.0342829133
## 1836	-16.319007200	-4.151545243	0.716335992	1.555747549	0.0283752309
## 1837	-22.677589708	-14.377994607	-0.274785977	-3.757702651	-0.1867571100
## 1838	12.994584114	14.513240686	-2.561583591	-3.109430022	0.6448424085
## 1839	21.295747398	-2.474426017	-2.382470650	7.386467324	0.2699099708
## 1840	27.966671761	-8.113746120	0.875675560	6.801064959	-0.6262788674
## 1841	-7.806609532	0.866038705	-1.484423814	0.897008851	-0.5945446909
## 1842	-13.769031195	-7.911725513	-0.898919258	2.327714206	-0.4617332665
## 1843	-14.704800318	8.997906279	2.203452040	-0.567147409	0.0702798469
## 1844	5.844614063	-1.768245392	0.904117793	2.798100481	-0.1942623957
## 1845	-13.644136342	-2.868451972	-0.285490137	4.900434268	1.1542114393
## 1846	10.060766606	1.596780246	-1.542205692	6.801637954	0.6357217820
## 1847	0.094217405	11.783121322	1.879969180	1.330410981	-0.2161680618
## 1848	15.359261878	-1.607695412	-0.547600254	0.019570722	0.2462946522
## 1849	36.243509922	6.169079255	-2.010802782	-1.296793833	0.1760978096
## 1850	17.827021865	-7.617850530	0.682775870	-0.461276961	-0.1535273767
## 1851	18.015660667	-7.077004516	1.066909340	-2.480304411	-0.2376413500
## 1852	1.089150511	3.977054520	1.633359274	-6.009710141	0.2725572525
## 1853	5.779587609	-3.750235058	1.987502239	4.930297923	0.2467553016
## 1854	2.587723601	-3.494012583	-0.608604802	6.052276446	0.0041768965
## 1855	-34.910338405	1.227424719	-2.270823873	3.339425868	0.4415698042
## 1856	11.491247301	-1.604144894	-1.442664979	1.724027668	0.4284120862
## 1857	-17.970809584	-0.739818639	1.184065886	-1.121980958	-0.1076485571
## 1858	-22.891265722	5.068770814	2.481388739	-2.284603195	-0.4500024142
## 1859	12.106923022	-2.091875519	0.947836018	0.243071564	0.1967137602
## 1860	8.712158472	-2.943588650	-1.156389786	-3.512903530	0.6100032082
## 1861	4.813290864	0.294734275	0.342324908	0.796253272	0.4315624269
## 1862	-11.847766808	3.276021774	-2.388846555	-2.129957856	0.5323225350
## 1863	8.831852069	-3.095838131	-2.450191251	6.794287405	0.0814547566
## 1864	6.250422794	-1.874676997	0.562152263	3.494793221	0.3092981939
## 1865	7.454398115	-8.078067644	1.231923583	6.377831368	-0.1685513767
## 1866	-1.036173811	-4.577260164	0.703777487	4.769137971	-0.2133038651
## 1867	6.979415005	-3.262711282	-2.844982952	-5.563911233	-0.1600968444
## 1868	5.955735709	5.022543815	-0.465996324	-7.808598719	0.1669861570
## 1869	3.558866325	-1.974763022	2.219668219	-0.871849725	-0.0248742021
## 1870	3.404507886	-5.580793654	-1.786999711	2.116763087	-0.0011311136
## 1871	15.514818825	-7.629385923	1.019790045	-2.348975306	0.0707319543
## 1872	1.884806615	-5.529639655	-2.056282524	-2.697257149	-0.2201808636
## 1873	0.331443063	9.323664589	-1.039075848	-3.408148251	-0.9023617171
## 1874	36.489724135	-3.766952838	-1.742224288	2.416484109	-0.1808391262

## 1875	2.625944695	-0.198937334	-1.850940408	-3.361864040	-1.1643562872
## 1876	-11.834863052	-3.077149089	0.765492635	-6.511864977	-0.2338885854
## 1877	14.846162563	-6.961894470	0.605123114	-6.717660854	-0.3652756787
## 1878	6.195002107	-4.712259824	2.936645613	2.837283613	0.0112352953
## 1879	29.947523323	10.876631685	0.572751579	1.539579673	-0.3816946387
## 1880	-24.095734137	0.319954924	-1.880757794	2.824997584	0.4426143122
## 1881	33.174874506	-3.863800749	-5.787894811	4.434346651	-0.3813751408
## 1882	32.037892990	-6.478820033	0.020970630	1.539389465	-0.0405728441
## 1883	12.796413923	-0.887764638	-0.843823058	3.170971472	0.2169310571
## 1884	22.707691211	-4.386344761	-0.319931932	5.035291437	-0.0174301017
## 1885	-6.291366913	-8.807926623	0.494950250	-0.608626877	0.3230184923
## 1886	-5.095403574	1.341138891	1.864867156	1.117424375	-0.0043664415
## 1887	25.747880538	9.092796758	2.010356022	-4.896275411	-0.6231911808
## 1888	3.350469345	-2.212098806	-0.863406861	-0.822276205	0.0030967888
## 1889	0.724251917	-5.954192295	0.079451538	-4.586453914	-0.1893498628
## 1890	-3.358809154	2.371667803	1.337110445	-4.055217123	0.1934235430
## 1891	5.681536416	-3.168049610	-0.436872716	-0.748220921	0.3791909218
## 1892	-48.601393269	7.470564456	0.860161570	3.409650244	0.4096514987
## 1893	6.331207677	-4.746614936	-1.319058993	3.759530228	-0.7852859781
## 1894	10.235102768	0.190879411	0.090655280	1.395407429	-0.5559411561
## 1895	-16.423707390	5.879474320	0.658019419	-4.517500196	0.3393429753
## 1896	6.215606508	-2.053421801	-1.332547261	2.636642454	-0.3443372159
## 1897	14.085139822	-15.218955398	-0.829205690	-7.773797321	0.3326278885
## 1898	7.913673924	2.306094523	-0.269804741	-0.783599939	0.3480171635
## 1899	26.258332546	-5.987150821	-1.291755432	6.059720191	-0.3663636166
## 1900	-23.090241650	-1.098559678	-0.443484678	-8.619407292	0.0590362346
## 1901	-2.763812874	-0.669442515	0.353294599	2.463826068	-0.1974772193
## 1902	28.833779885	-7.710049897	0.897977995	-7.393846150	0.4999929414
## 1903	-17.895367694	-4.139444772	-1.711392513	-0.643450757	-0.0548374865
## 1904	-18.472182313	-1.179334649	-2.141430777	4.086973615	-0.1668545341
## 1905	5.591465941	-3.502864696	1.634683494	1.034533103	0.1071132051
## 1906	-28.603388012	4.683867168	0.897120776	-3.838677191	0.6198021251
## 1907	-15.344827106	-2.240058740	1.726699357	-1.308541697	0.5217348340
## 1908	-30.120340961	0.053721808	1.594516374	-2.756555055	0.0971499986
## 1909	-14.492857335	-4.073954543	-0.937252506	3.814452322	0.6176438915
## 1910	11.370618177	2.821404125	-2.024802843	1.806623609	-0.1754568580
## 1911	18.537665491	6.010984523	1.439042588	6.921939620	-0.5854313438
## 1912	-6.064344386	0.237757745	1.102929381	1.837091880	0.4498733673
## 1913	8.061505343	6.188445469	-0.734300996	5.859837157	-0.1305559609
## 1914	-17.646973869	5.529589889	0.646925901	-5.715691281	0.3038324661
## 1915	-0.416243775	-3.230092822	0.876468988	-5.656747723	-0.1006144145
## 1916	71.046373355	-2.475545243	-1.976800424	-1.757050284	-0.4105763743
## 1917	41.476177340	-1.912859861	1.190652690	-0.770191111	-0.2992603414
## 1918	-23.172546416	-9.675935011	4.318033641	2.208854068	-0.2956656623
## 1919	14.474570068	-9.892719857	1.215097993	1.255280879	-0.3882125057
## 1920	-13.381210543	4.128715498	-1.795817537	2.631199210	0.3211095431
## 1921	13.800517420	2.162470855	3.648051848	-4.301267093	-0.4935107621
## 1922	-9.452277520	-9.771660936	-0.999471448	-7.165459131	0.0584468634
## 1923	6.457214913	-8.235462942	0.976257159	-2.074365944	0.6726682815
## 1924	6.362023138	-3.068665844	-1.497574981	3.384341457	-0.3055358887
## 1925	1.126487061	7.751363247	0.108146694	1.618735986	0.4277389762
## 1926	18.382074478	3.860249256	-1.433355167	-2.456568122	-0.0898653146
## 1927	14.654763624	9.213576621	0.707457338	7.280584064	-1.1483105002
## 1928	-31.273972220	-2.779904927	1.518545086	-3.308128793	-0.0569655793

##	1929	23.280931986	-4.091376262	1.006146390	1.155118874	-0.3956059226
##	1930	17.260333191	1.144813189	2.228859020	-1.892368404	-0.5086852698
##	1931	2.302395727	3.612647108	-1.094794958	-4.121464484	-0.4031273362
##	1932	0.982358911	-8.393955842	-2.599370422	-4.065549869	-0.2893858735
##	1933	16.790691220	-0.280798586	0.080334029	4.587226749	0.1926904080
##	1934	-3.819401151	-3.005630709	1.518195975	-0.857379410	0.0728900812
##	1935	0.297865780	1.203346934	-0.510252019	-1.729998481	0.2490108890
##	1936	24.917738990	-0.052478291	2.215625916	12.566740226	0.1746824736
##	1937	9.884122591	-2.543776171	0.199227233	0.743262291	0.3985574907
##	1938	-2.073804232	-1.355967401	0.622295544	-7.127605493	0.0237371006
##	1939	-25.182890125	-0.587457448	0.235127408	-2.064438701	-0.7041108938
##	1940	46.734573228	-2.565712118	-1.806601124	0.050631075	-0.0351674183
##	1941	7.635535308	-5.004078882	-0.429988793	-0.327698964	-0.4987784628
##	1942	1.706025232	1.897329588	0.513687918	-2.621679952	0.3358027386
##	1943	-13.742362671	-4.373109959	-0.744137478	-1.020456663	0.7726221049
##	1944	1.605320018	4.194157594	-2.629613454	-4.944192753	0.1909255089
##	1945	11.201086801	-4.518582587	0.114892220	-1.466284848	0.2036672401
##	1946	9.027699096	-8.107999790	-0.416026528	-2.085830183	0.2350409246
##	1947	-0.717873933	-10.592788943	0.871283258	2.335158721	0.3437749735
##	1948	-14.012753140	1.136333375	0.172092656	10.251468388	-0.0264029549
##	1949	37.661050713	1.838795222	0.762888355	-10.347824270	-0.0681127148
##	1950	3.551528797	4.150654649	-1.767070740	3.560068661	-0.2462963645
##	1951	-10.698934571	-3.605470713	-1.463516282	9.432331768	0.1249713110
##	1952	-1.956213880	-1.066341608	-0.860707766	1.173048144	0.6909148926
##	1953	-13.459586391	-5.617129135	-2.911289578	-3.199779222	0.6813403849
##	1954	22.480505111	7.567166929	0.676998757	2.795584444	-0.4884949231
##	1955	-6.583946492	6.930248933	-0.558551466	-1.333279898	0.0059935030
##	1956	9.248613804	1.920745467	-0.551879795	-2.294867293	-0.1720125253
##	1957	-3.984762188	-6.585179234	-5.120979567	-0.273726248	0.0106888153
##	1958	9.072063770	-6.321865856	-0.232118807	-6.052157037	0.0693908920
##	1959	46.680783899	-3.893092448	0.828630825	0.171330275	0.6511440986
##	1960	-2.204287924	-5.725998577	1.190828300	-0.486838307	-0.8083110353
##		x46	x47	x48	x49	y
##	1	6.078143e+01	-7.689696077	0.1515889731	-8.040166471	0
##	2	1.580570e+01	-4.896678262	-0.3202828082	16.719974186	0
##	3	3.085642e+01	-7.428573299	-2.0908035212	-7.869420609	0
##	4	-7.242457e+01	5.361375226	1.8060701537	-7.670846590	0
##	5	-1.408544e+01	-0.208351408	-0.8949417320	15.724742337	1
##	6	1.917237e+01	5.752748915	-2.6095527264	-20.320179112	0
##	7	1.573406e+00	2.102626644	-2.9661028786	4.604337045	1
##	8	6.639034e+00	6.258786457	1.2725555815	13.186184422	1
##	9	-2.627660e+00	0.182318639	3.1402295588	14.495676581	0
##	10	-2.094289e+01	-3.141996079	-1.6084732942	7.169219367	1
##	11	-7.749133e+01	0.754308529	-0.4420174815	-21.824214625	1
##	12	-9.529075e+01	-2.076083428	0.8410781053	-16.644318188	0
##	13	-7.373291e+01	-3.624559375	1.4140103439	-25.409133985	0
##	14	5.543237e+00	-4.584787908	-0.3762514479	3.194482061	1
##	15	8.723096e+00	-1.059007147	2.6029443758	19.141026603	0
##	16	-1.467533e+00	13.830802805	-2.8318171706	9.343167445	0
##	17	2.133501e+01	-1.517561896	-0.4453380450	9.285682026	0
##	18	-2.876088e+01	-2.793687310	0.8012230693	-2.128184371	0
##	19	-6.642892e-03	-7.881300392	-1.0194372680	7.875589179	0
##	20	-4.560602e+01	-1.567650228	-1.2199984962	-12.619719774	0
##	21	2.023404e+01	-0.643528594	-2.8351209241	25.903178414	0

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## 22 -1.929246e+01 5.398469506 -1.1749655705 -11.619804596 0
## 23 -2.307210e+01 -6.221293353 -0.8847830353 24.297830741 1
## 24 2.521682e+01 9.062988154 1.0844567658 13.197670729 0
## 25 3.516475e+01 -1.315344252 2.0218085450 27.342745506 1
## 26 -6.882058e+01 5.606526930 2.1487794099 -14.315548935 0
## 27 -5.918343e+01 -5.783443142 2.1538828324 -20.175101687 0
## 28 -1.683007e+01 2.354258208 -2.4585304661 -19.563971073 0
## 29 1.009331e+02 -1.524377971 1.5893037098 37.681337405 1
## 30 -7.226681e+00 -2.508254001 -3.0893755917 -0.269219338 0
## 31 -1.082731e+02 10.691333215 3.0821694579 -29.013417191 0
## 32 1.742229e+00 1.653255775 -2.0018910649 4.353829499 1
## 33 -2.569844e+01 -8.632997907 -1.4978859401 0.241484827 0
## 34 3.756417e+00 1.508354216 0.9250628636 -0.780095421 0
## 35 -1.631869e+01 1.310207468 1.8290915736 20.787788319 0
## 36 -2.699492e+01 -1.034707250 -2.3602577096 -27.106681274 0
## 37 4.886824e+00 2.649588993 1.2373468907 -3.885702020 0
## 38 -2.261829e+01 -4.002672817 1.0053627301 -16.970012784 0
## 39 1.393386e+01 -1.784366738 -2.5021240949 7.228044881 1
## 40 -9.550153e+01 1.594271102 0.1326761771 -45.877716545 0
## 41 2.017183e+01 1.413460044 -1.2204397731 0.392430278 0
## 42 -3.409005e+01 -5.506269496 2.8480895070 -1.878383493 0
## 43 2.739159e+01 -1.773379925 -0.9402815633 14.865874480 0
## 44 -8.921943e+00 0.849429950 0.2324182861 4.207684064 0
## 45 -1.019364e+01 -3.176990494 -1.5022716675 12.947484085 1
## 46 8.837125e+00 3.435999566 -0.9257911230 -8.828105054 0
## 47 -4.729652e+01 2.710554239 -0.3709990674 -5.769366165 0
## 48 4.170514e+01 -3.489697747 0.9380082936 -27.943459714 0
## 49 -2.121136e+01 7.546941606 -0.5042040833 -4.783417252 0
## 50 -2.447661e+01 -2.453487618 -0.7876092479 -10.305344531 1
## 51 -1.468452e+01 1.309913424 -0.7690668590 1.699275909 1
## 52 2.932849e+01 -4.461582649 -0.0911969272 -7.221625399 0
## 53 3.180947e+01 0.963806392 2.1528524391 9.425441474 1
## 54 2.645516e+01 -3.570455711 1.4219587575 4.289346054 1
## 55 -2.398866e+01 -1.190997069 0.5170881662 -9.480149336 0
## 56 -9.661757e+00 5.085536166 0.7526001210 4.956464988 0
## 57 -3.978413e+01 -1.514838957 0.5229142849 -24.441063493 0
## 58 5.673097e+01 2.621062138 3.1324194961 17.103329010 1
## 59 -3.144174e-01 7.428473238 -1.1280786023 -1.617194872 1
## 60 -3.020319e+01 3.917039432 -2.8450086569 1.489829991 1
## 61 3.155668e+01 1.325251988 -3.6914818655 -2.856146701 1
## 62 -8.063223e+00 -4.001221002 -3.3328115694 10.624328730 1
## 63 8.549393e+00 5.819747058 3.0351269891 23.651567346 0
## 64 -5.063382e+01 8.529084125 -0.3779026934 -4.728030959 0
## 65 -5.842918e+01 5.590765889 0.3917641425 -21.237768730 0
## 66 -4.085327e+01 -5.071769513 1.7664973157 -6.222361621 0
## 67 -3.620217e+01 4.350149236 -0.1359983503 9.080365818 0
## 68 -1.825760e+01 5.935290564 -0.8907276957 -7.997740636 0
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## 70 -9.021862e+01 3.177391703 -0.2667199467 -37.970460823 0
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## 72 -4.742316e+01 3.238698851 -1.2285019816 -0.623163607 0
## 73 -7.577157e+01 -2.849991404 0.6175711550 -15.827659844 0
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## 75 5.822417e+00 -2.375408495 -1.3055248430 -8.286557227 0

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## 77 -1.421645e+01 -4.992503724 1.9682163648 14.837440740 0
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## 83 -7.286829e+01 -3.855485667 -2.1320016553 -14.686093929 1
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## 87 -1.667420e+01 -2.183674963 -0.4980962709 11.540813086 1
## 88 -2.220987e+01 -6.911079749 -3.4532205131 14.637989746 1
## 89 -2.328256e+00 4.992681805 -3.2280079630 24.250794711 1
## 90 -5.183942e+01 -0.419926136 1.1012661413 -12.133802322 0
## 91 -8.885053e+00 -4.382654385 -1.7768159391 -7.798452762 0
## 92 8.662683e+00 -6.996743025 1.7296568700 8.068891015 1
## 93 -3.034095e+01 -0.540429503 -3.0745587668 -34.513911899 0
## 94 -8.734152e+01 0.587371222 -0.9258843000 -12.894999661 1
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## 98 -4.229701e+00 0.821068105 -1.2305854400 -4.721499435 0
## 99 -2.656235e+01 3.479021033 0.3821535673 -8.397262058 0
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## 101 -9.544942e-01 8.017213198 0.7354400268 17.381448546 1
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## 103 -3.526277e+01 7.348115206 -0.6197646720 -4.088297263 0
## 104 -6.485695e+01 -3.325162505 -2.4527778058 -30.127831232 0
## 105 -2.316785e+01 -0.877671701 -2.8447231771 -18.680829581 0
## 106 -3.654295e+01 -1.023819032 1.1415794208 -1.023821524 1
## 107 -3.037985e+01 -0.862598786 -0.7876281467 -15.825397668 0
## 108 -1.627032e+01 -3.764449114 -0.4153696668 15.079488291 0
## 109 2.183000e+00 -3.296526672 0.9867535585 19.174061908 1
## 110 -1.238018e+01 7.085358255 1.5359238138 1.168323316 1
## 111 -5.932894e+01 2.019616786 -0.5654102084 -22.028639320 0
## 112 -4.423642e+01 3.069081092 2.7012572413 -3.757395903 0
## 113 -4.558811e+01 -2.389255919 -0.7767455879 3.734305279 1
## 114 -1.437048e+01 -8.754256504 1.2171875975 -9.566997132 0
## 115 6.983225e+00 2.985477952 -2.1325789509 -19.113231536 0
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## 119 2.188938e+01 5.593290571 2.3603527383 5.614529269 0
## 120 -1.276457e+01 1.718567324 0.6408433249 -3.763108529 0
## 121 -2.887526e+01 -0.911296995 2.3244804205 24.758504483 1
## 122 -8.932999e+01 7.729691719 -0.7585640579 -15.956934060 0
## 123 -1.896015e+01 -1.059369882 -0.4296306906 14.310813477 1
## 124 -1.589737e+01 12.377914613 -1.9875858459 -2.127801219 1
## 125 3.138908e+00 8.081023488 0.5080162259 -1.934007330 1
## 126 -2.482231e+01 8.074246730 0.4105701826 8.400343177 0
## 127 -6.913027e+01 1.264001914 0.3177529947 6.095716570 0
## 128 2.933694e+01 4.975854267 0.8003440869 6.484787775 1
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## 130 -4.885448e+00 0.028154972 0.0593487935 14.112043707 1
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## 132 -5.201517e+01 2.960718438 -2.2012178395 -5.896792036 0
## 133 -2.506000e+01 4.277653192 -3.6132400094 3.076321344 0
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## 136 -2.095754e+01 1.624010339 2.2071553555 8.161339046 1
## 137 -6.702306e+01 2.435726872 1.6781548595 -10.201806932 0
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## 140 -4.710789e+01 -2.822908063 -1.5533188221 14.157338321 0
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## 142 -2.256281e+01 -3.740024035 -0.9822455538 16.279490360 0
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## 144 -1.520319e+01 -4.491692405 1.2445385963 -12.552862431 0
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## 147 -1.497205e+01 6.329345244 -0.0371802114 3.763569609 1
## 148 -5.829486e+01 -4.950703800 -0.2312673811 -6.802349832 0
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## 160 -3.911643e+01 1.912435305 -0.8647801184 -16.203696950 0
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## 162 4.297293e+01 1.676462272 0.0711965205 44.524162870 1
## 163 -3.941049e+01 6.528724768 2.1416021436 -14.137214488 0
## 164 -3.848752e+00 -3.030069687 0.1305456052 34.016471537 0
## 165 -3.237951e+01 3.410155690 -4.7587912110 5.731026024 0
## 166 1.644442e+00 -4.387088138 -0.0906972976 -2.827876010 0
## 167 -2.539435e+01 -3.752992150 0.2407422139 -21.176181497 1
## 168 2.359413e+00 5.205946285 -3.5874523243 -17.089256433 0
## 169 -1.523033e+01 -6.034503811 0.6943274694 2.961183075 1
## 170 -2.210191e+01 6.621377932 -2.5295305081 -4.659219019 1
## 171 1.886003e+01 -3.351907262 1.4751768822 -0.287322399 1
## 172 -2.173219e+01 6.620913131 -2.8450869682 -27.414883211 0
## 173 -3.528232e+01 -4.021811315 1.3037007424 6.891500787 0
## 174 -4.980218e+01 -2.555349351 -2.1572260128 -2.417375421 1
## 175 -1.841796e+00 -1.000859731 -0.1595303308 -8.603873015 1
## 176 -4.983161e+01 -5.814076851 -2.4582932616 -6.161086725 1
## 177 1.287078e+01 -9.663791534 -2.5384569136 -23.417868172 0
## 178 2.172806e+01 7.535373670 -0.3459821690 -31.280272101 0
## 179 -1.496429e+01 5.555828168 -3.7405181008 -33.293293777 0
## 180 1.530394e+01 -11.275887874 1.7421128248 16.097379158 1
## 181 -3.652021e-01 -5.966349438 -2.6284371430 8.566191552 1
## 182 -3.525953e+01 -0.244859307 0.1589827344 -16.664735658 0
## 183 6.320689e+01 0.440078871 3.1032712804 23.105077165 1

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## 184 -1.008654e+01 1.446016295 1.8141320346 2.771861941 0
## 185 -6.755695e+01 -0.966084598 0.6912343982 -17.587783005 0
## 186 -5.433815e+01 -2.802415637 2.2247683510 -28.947050601 1
## 187 -4.619339e-01 4.390765989 -3.5029232653 3.521376977 1
## 188 -5.284144e+01 9.567326388 -1.6388659077 -17.916726362 0
## 189 -3.744056e+01 1.781890564 0.0698021817 -15.961530598 0
## 190 -5.123365e+01 7.302283444 0.4059594785 -16.893988077 0
## 191 -1.923820e+01 7.724010408 -1.4691643964 -11.147561360 1
## 192 7.202570e+00 -2.812088900 -0.2539031727 1.044964495 0
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## 194 4.517220e+01 8.912089385 0.4427511255 20.774038013 1
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## 196 8.540263e+00 4.776862337 -1.8872984960 -0.157411864 0
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## 198 -3.233535e+01 5.081595762 -5.7164128784 -11.666217786 1
## 199 -4.513145e+01 5.762792072 0.0218798206 2.207168261 0
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## 203 -1.233080e+01 -3.656660393 -0.4806662202 6.824716095 0
## 204 -1.203781e+02 3.454148422 3.4254678881 -28.221106140 0
## 205 -3.560844e+01 -3.803500825 0.5848020395 -24.272937591 0
## 206 1.488837e+01 11.614606963 -3.5009157517 -21.931336658 0
## 207 -6.089584e+01 -4.788011751 -1.3796721848 -6.313618948 1
## 208 -2.499381e+01 -3.932602588 0.1461010706 -16.093444046 0
## 209 -1.194406e+01 -0.040159379 -0.3530319846 -10.038409216 0
## 210 1.116172e+01 7.302076286 -0.3559830665 -1.341700304 1
## 211 -4.160175e+01 4.703240677 -0.8180706439 -22.173827947 0
## 212 -1.011088e+02 0.413164529 -0.3686156934 -30.116012661 1
## 213 7.268261e+00 -1.796745456 -0.1866399477 16.626956265 1
## 214 9.010102e+00 2.775370351 4.2895798507 8.328399433 0
## 215 1.745575e+01 -4.559207164 -3.0715818534 -2.090080415 0
## 216 -2.871425e+01 1.086525890 2.6658203241 -0.685599112 0
## 217 -8.546792e+00 -1.948649076 0.5759008058 13.474461064 1
## 218 1.107678e+00 3.531706411 2.7487557498 -0.225526797 0
## 219 -3.721124e+01 4.242937570 -1.3892505290 -1.021232342 1
## 220 -3.708677e+01 1.643722480 2.7529503028 -0.861203849 0
## 221 -1.921938e+01 -7.483845991 1.1893742263 20.003377533 0
## 222 -2.021303e+01 4.256417522 0.1856079957 4.295102973 1
## 223 -2.214841e+00 0.647099233 -0.7373060319 2.990202845 0
## 224 4.334617e+01 4.614503612 0.5213711226 27.394290746 0
## 225 5.125602e+00 6.029883966 0.8685439054 11.014058020 1
## 226 -3.092051e+01 5.219083490 0.8369237837 -14.063964331 0
## 227 1.513255e+01 3.334391655 -0.3722218290 -3.266883885 0
## 228 5.760871e+01 -2.961663661 -0.2752481211 8.238882044 0
## 229 -8.669466e+01 3.892894922 3.1540163320 -28.551674012 0
## 230 -4.337556e+01 6.133385927 2.9899424662 -9.287272233 0
## 231 1.587522e+01 2.997796645 2.0189960933 14.019452733 1
## 232 -5.467815e+00 -2.052856471 1.2226281606 10.227732405 1
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## 234 -4.313220e+00 -1.832053277 -0.9260493052 17.319602269 0
## 235 -4.513026e+01 -0.126620503 0.2037563566 0.148592958 0
## 236 8.804631e+01 1.330384393 2.8643865719 15.932510990 1
## 237 -3.139661e+01 -4.344382930 -1.4125110091 1.531769210 1

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## 238 -3.783173e+01 -4.177525809 1.3643899421 -20.541093619 0
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## 240 -6.459048e+01 -2.248920351 0.6987338942 -8.623517867 0
## 241 2.366424e+01 5.906302944 -1.3472716324 19.750362006 1
## 242 -1.134196e+01 2.809938227 1.1240834297 12.626341101 0
## 243 -1.314455e+01 5.037085187 0.9825172993 18.939477275 1
## 244 -1.566131e+01 1.332784878 0.1204181186 -2.782905210 1
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## 247 -7.421170e+01 -2.536303415 -2.5705628620 -29.363297917 0
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## 250 -5.042758e+01 -1.713793090 2.2948542180 -32.872386990 0
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## 252 3.059727e+01 13.434843529 -0.4316791540 -13.038904944 1
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## 268 -6.756196e+01 1.568061576 0.1340461138 -20.001874217 0
## 269 5.498381e+01 8.264459222 -1.1103286879 -1.810919600 0
## 270 2.091388e+01 4.586309791 1.7680238738 17.369014431 1
## 271 -7.824536e+00 -8.661030645 -0.2211458471 -8.730414197 0
## 272 -4.665542e+01 -3.322723910 1.5933808661 11.749629375 0
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## 280 3.598019e+00 -5.625860589 -3.5545347044 -2.028458081 1
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## 285 -4.317921e+01 -6.185298289 0.8125364812 2.690430994 1
## 286 -3.455028e+01 0.388130964 -5.5154677475 1.879605146 1
## 287 4.101712e+00 9.793402570 -2.0629000310 -0.864567134 0
## 288 -7.116793e+01 -5.136106672 1.6288107981 -20.329514619 1
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## 290 -4.094401e+01 -9.674729967 -2.6457564514 6.744469358 0
## 291 -2.111004e+01 0.003321747 -0.3724718896 -14.759544958 1

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## 292 -2.560251e+01 -3.208391998 -0.0530826589 4.868798991 1
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## 323 -2.862667e+01 1.022305959 4.7681928227 3.426174769 0
## 324 -6.721042e+01 1.924233509 -2.7446633270 -4.677499598 0
## 325 -3.038551e+01 2.344634564 -1.2481808997 -4.760023814 1
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## 327 -4.402436e+01 -2.294217243 -1.5726270171 -26.624080978 0
## 328 -7.687690e+01 9.673538526 3.3741019743 -14.154554513 0
## 329 -8.747582e+00 -4.954926667 -0.9802311695 -16.314945513 1
## 330 -2.741143e+01 -2.079268782 2.8292271668 -5.466178778 0
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## 335 -3.063955e+01 0.712598009 -0.9780669956 -24.727693392 0
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## 345 -4.189924e+01 3.897140783 2.6735038541 6.059819248 0

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## 346 -7.110756e+01 -3.106907586 1.6428275855 20.983058420 1
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## 360 -4.422883e+01 0.112613715 -3.1368064134 -20.495465021 1
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## 363 -5.042700e+01 -5.396028782 -0.0599808083 -5.197094082 1
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## 367 2.032299e+01 5.423079768 -0.3079438276 12.178500717 0
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## 384 -2.933124e+01 -2.353140815 -1.6496399765 -8.053591938 1
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## 386 -4.667216e-01 0.880215394 0.5041535186 9.813582852 1
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## 389 -8.468574e+01 -1.318559249 1.2985723597 -17.405642674 0
## 390 -2.659742e+01 1.781189763 0.9174179731 -15.786009745 0
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## 393 3.029118e+00 0.159477209 0.9810905142 -1.239089105 1
## 394 -2.273161e+01 -4.288364989 2.8718222547 11.613148825 0
## 395 -1.475860e+01 2.689793709 1.0058133647 -7.099033379 0
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## 397 -3.819117e+01 8.705426763 -2.7148434157 -6.115553907 1
## 398 -3.044807e+00 -8.913427769 1.8607832495 5.455279023 0
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## 400 -5.980541e+01 -3.679203545 -1.2211667876 -12.094539461 1
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## 427 -3.235831e+01 1.331671252 0.3457854750 -1.209390172 1
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## 430 -2.038644e+01 5.738960593 0.2620944760 5.827853297 1
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## 433 -3.500784e+01 -3.605568007 2.3487854547 -12.851066372 0
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## 435 -4.260658e+01 0.493388847 2.6731615428 6.940807088 0
## 436 -3.419413e+01 5.531260374 -0.3475007494 -2.373726260 0
## 437 -1.903341e+01 4.046763745 -0.4565236193 -1.660664508 1
## 438 -2.648948e+01 1.120783530 -2.0660504953 0.399710143 1
## 439 -2.586514e+01 -8.066494152 0.8779336362 -26.010176243 1
## 440 -6.389852e+00 5.006375048 -0.6117537825 -17.251869379 0
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## 442 -2.855875e+01 -1.081243482 4.2077270447 22.230040659 0
## 443 -1.679725e+01 -4.881271487 -0.1982411440 1.904761223 1
## 444 -3.507027e+01 -0.433630859 3.0813945789 0.144390547 1
## 445 -3.594825e+01 8.787444104 -2.4787835542 -25.297721078 0
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## 449 -1.081270e+02 -5.993335858 0.1409769977 -18.485449651 1
## 450 -6.983903e+01 -0.842231812 1.4276227354 -0.941918592 0
## 451 -1.191847e+01 -4.343192580 -1.7027795591 26.791704911 1
## 452 6.961899e+00 0.993285326 3.5058159946 20.847022364 1
## 453 6.100633e+01 0.168938854 -0.8011150379 9.558926585 0

```

```

## 454 3.049984e+01 -5.684069884 -0.1866954922 -2.972846568 0
## 455 -4.346974e+01 -1.909038043 -0.6705894353 -8.079122942 1
## 456 -2.525043e+01 -1.179480574 1.7694129259 9.442137857 0
## 457 -3.494178e+01 -6.537983858 -0.3821233251 2.282341551 1
## 458 -5.346453e+01 -1.934531655 0.0396354035 -15.142293508 1
## 459 -1.711175e+01 0.087776622 0.2953673234 -0.052506718 0
## 460 -2.145713e+01 -2.105606484 2.4585235578 -10.516812013 1
## 461 9.481275e+00 2.864580727 2.0548480944 25.529001875 0
## 462 -5.878522e+00 -4.718934365 -2.1564564932 1.487803166 1
## 463 2.395112e+01 -0.460508113 0.0987304355 -1.119699671 1
## 464 2.717932e+01 5.766874784 0.7884831399 41.593079578 0
## 465 7.519151e+00 1.657449137 -0.7519212967 -10.322625198 0
## 466 9.435037e+00 2.784631947 -1.8766230936 33.785341862 1
## 467 -2.666886e+01 -4.840835835 -1.1418145039 -4.099421033 1
## 468 4.469965e+01 -3.631333833 -0.7748747330 -2.791790590 0
## 469 -2.022408e+01 -5.146326521 -0.9665244253 -5.094358676 0
## 470 -2.232053e+01 0.147992257 -1.8916769424 -7.572661627 1
## 471 -7.448331e+00 -2.374206963 -0.6889280971 1.446404537 0
## 472 -3.855173e+01 -8.794673959 -2.2523091990 -37.490228936 0
## 473 -7.230071e+00 -6.603563147 -1.5147408987 14.278271020 1
## 474 -1.178024e+02 4.167724255 -0.3068292561 -18.596034119 0
## 475 -6.973112e+01 0.234275571 -0.6248134799 -15.327755051 1
## 476 3.479425e+01 -6.733811673 -1.8439444657 -6.741229868 0
## 477 -8.084258e+00 3.821101178 -1.4163759800 7.982086537 1
## 478 -1.983426e+01 0.573995736 0.9543109552 -0.543539948 0
## 479 -3.231022e+01 -1.936980474 -1.8506570363 -7.632128942 1
## 480 -8.511978e-01 -10.172075387 -1.6559892110 7.471489109 1
## 481 2.346279e+01 -1.077103117 -0.9736025516 25.775673364 0
## 482 -5.205809e+01 1.644331602 1.1314786888 3.917137740 0
## 483 -9.061903e+01 -0.215689415 2.0548604158 -19.550532554 0
## 484 2.072464e+01 2.145439599 1.9029797968 19.325050715 1
## 485 -1.526712e+01 -1.739358873 0.6828440632 10.809042909 1
## 486 1.859768e+00 8.963740162 -1.9725935479 -16.664643602 0
## 487 -3.277885e+01 1.392072304 -3.6939884294 -37.423444079 0
## 488 4.808489e+01 0.450972758 -0.5000112442 23.801790792 0
## 489 -5.882010e+01 3.336312696 0.6538128448 3.140529989 0
## 490 5.642800e+01 1.131382819 -2.4669774587 3.478734274 0
## 491 -2.250258e+01 -2.106716360 -1.0579688359 15.637006948 1
## 492 -4.357317e+01 -0.568685734 -3.8083312877 2.721622903 0
## 493 4.142602e+01 -3.263758122 0.8222244737 0.597002313 1
## 494 -5.393509e+01 2.220522710 -0.0611313669 -25.612211472 1
## 495 1.421690e+01 -7.776493725 1.5775036703 13.054146716 1
## 496 4.510440e+01 3.291979160 -2.1577567476 14.293443870 0
## 497 1.398907e+00 -7.002263242 2.6540552384 20.177514206 1
## 498 -4.575346e+01 -4.973854872 -1.1575155856 0.515294045 0
## 499 -2.478843e+01 -0.865685903 1.7593969180 -15.404567403 1
## 500 4.257662e+01 7.995921487 -2.6820555809 0.208411095 0
## 501 4.030890e+01 6.196117471 -2.3805100915 9.852842078 1
## 502 -3.923712e+01 -0.798720927 -1.3254962124 -6.165457435 1
## 503 -3.033130e+01 5.685766638 0.6301087015 -1.442159035 1
## 504 -5.383516e+00 7.812080426 -0.3369999503 6.181556628 1
## 505 -7.554518e+01 -3.503885945 -0.8114888514 -20.914819817 0
## 506 -6.788567e+01 -7.717011612 -2.4311875648 -18.182825120 1
## 507 -2.282130e+01 3.738661111 -3.4709260460 -8.305066746 1

```

```

## 508 2.551357e+01 -3.845534642 -1.9441807974 -7.288760188 0
## 509 -4.412939e+01 -2.521488333 -2.1267550470 -25.574485395 0
## 510 -4.671964e+00 -4.728077923 -0.0147313960 22.022134395 1
## 511 3.165347e+00 3.462130680 0.2727453601 16.682752144 0
## 512 5.188951e+01 -0.705060375 -1.8391125239 10.279915694 0
## 513 -1.827405e+01 -9.394085071 1.3165411938 -11.641189144 0
## 514 2.500837e+01 -8.326030355 2.3895049192 4.844189017 0
## 515 2.852297e+01 -6.276733045 1.8409199126 10.613191503 0
## 516 -2.877199e-01 2.724847071 -0.3745661609 -8.891251411 0
## 517 -1.067950e+01 0.401796847 -0.4822631414 19.329283995 0
## 518 -2.496021e+01 10.748679334 1.4167013035 11.232181096 1
## 519 -5.947201e+01 3.554528047 0.0149267524 -8.211957655 0
## 520 4.151076e+01 1.832876442 2.8683195297 13.461119092 1
## 521 -2.473397e+01 -5.643821359 -0.2000389219 -7.182262533 0
## 522 -2.073164e+01 5.808241105 2.3490740169 21.656531621 0
## 523 -1.315318e+01 -4.946073950 0.0153070388 13.643887852 0
## 524 5.277716e+01 6.075968416 1.4356289688 10.049892105 1
## 525 -3.479356e+01 -2.073400460 -2.5458389163 4.713830417 1
## 526 8.812492e+00 0.050887065 0.3030301496 16.169505093 0
## 527 1.496829e+01 -0.176918050 -0.5574239133 3.000490432 0
## 528 -1.080608e+01 1.207777218 -1.4651771452 -20.495885912 0
## 529 -3.856521e+01 -7.100034442 -0.5768536721 -23.217829051 0
## 530 -1.466125e+01 -0.762528128 -2.9674956569 10.800147614 1
## 531 -3.407451e+01 -2.123635368 0.5611654624 -13.333229493 0
## 532 -2.944017e+01 2.719393953 0.9956472803 13.020623745 1
## 533 -3.979352e+01 7.297136279 -0.3756265076 -1.538565568 1
## 534 6.526148e+00 10.238792788 2.0979674062 14.261712822 0
## 535 1.898257e+01 -0.979597126 2.7799099528 21.357910225 0
## 536 1.805782e+01 4.196276794 1.6233883296 14.729240220 1
## 537 2.690698e+01 7.110063852 0.4332907071 -4.634603617 1
## 538 -1.862975e+00 -0.600543160 1.0524637753 -4.761764549 0
## 539 1.232498e+01 -6.544767419 1.5865964212 18.059540055 1
## 540 -2.261134e+01 1.035027181 0.7020752417 -6.964812639 0
## 541 8.725089e+01 4.457204235 -3.4885821111 -0.916548933 0
## 542 -2.740780e+01 4.006372493 -1.4276148511 -21.502850869 0
## 543 -8.345026e+01 -0.462492006 -0.3247356690 -20.136678625 1
## 544 -1.877324e+01 -5.457575672 -1.1437376026 1.302990614 0
## 545 -1.942450e+01 -0.231778323 0.6528012666 14.593412032 0
## 546 -8.569073e+01 5.049479636 -2.0491798954 -19.134407717 0
## 547 1.372366e+00 10.455313011 -1.4602841434 24.652221656 0
## 548 -2.287150e+01 4.634577669 1.9105378884 5.360200941 1
## 549 -6.077844e+01 -1.531904575 -0.9219198975 -1.267494413 0
## 550 -4.740870e+01 -1.013307162 -0.7961208021 -10.963103770 1
## 551 -6.436528e+01 5.663581450 -1.4136816025 -8.552752402 1
## 552 -1.154628e+00 1.492757493 0.7340252998 21.590586082 1
## 553 1.790230e+01 4.441423394 -1.8439842172 0.208100722 1
## 554 2.109207e+01 4.390499678 -0.0462274692 10.481541319 0
## 555 -4.605152e+01 4.989395850 -4.6311984638 -4.814335448 0
## 556 1.705750e+01 7.794082110 0.0253086356 -1.433702466 1
## 557 1.159215e+01 -8.991188607 1.0364077887 0.866205337 0
## 558 9.211156e+01 0.733251989 -1.5936143541 6.664442154 0
## 559 7.268962e+00 4.355610955 3.5050333285 1.713271630 1
## 560 -3.465996e+01 2.871074219 1.1949201879 2.314000840 1
## 561 -1.445468e+01 0.803320239 -1.3032121592 -29.160062520 0

```

```

## 562 -1.081620e+01  0.648347069 -0.4126420660 -17.290471171 0
## 563 -2.574374e+01 -4.112601621 -0.1047506339  9.354925423 0
## 564 -4.169527e+01  0.887614969  2.3672270864 -1.260365453 1
## 565 -5.727939e+01 -2.442387560 -0.0512475290 -18.547343301 0
## 566 -4.525886e+01 -1.643497167 -0.3488652007 -7.249225545 0
## 567  1.221106e+01 -4.885598499 -0.7379364062  15.480697463 0
## 568 -3.829309e+01  8.054870056 -1.5200632590 -19.666541118 0
## 569 -3.560943e+01 -2.008113319  0.8135733055 -6.028348138 0
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## 571 -1.292239e+01  3.592259351 -0.3502980864 -11.857476144 0
## 572  2.302361e+01 -1.535894657  3.5793171668  31.574282218 1
## 573 -2.785764e+01 -0.595668181 -0.6789701205 -16.136425308 0
## 574 -3.900624e+01  4.929801893 -1.5691493416 -20.222431211 0
## 575  2.349247e+01  0.772980615  1.8193136870  12.855044159 1
## 576  3.478568e+01  9.451722915 -2.3000767174  6.547950273 1
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## 581  2.067203e+01 -4.084207677 -2.6799889571 -1.896005755 0
## 582 -1.092422e+01 -0.032439421 -0.8357107736  9.268532720 1
## 583 -4.304995e+01  2.377344307  0.6083228157 -10.038024211 1
## 584 -5.336586e+01  1.074946954 -3.3858002105 -8.217663921 1
## 585 -2.978335e+01  4.841971653  0.3977518868  9.499338913 1
## 586 -3.438640e+01  0.106015997 -1.1313447048 -28.239269706 0
## 587  1.923827e+01 -4.111279242 -2.2033459660 -19.259351252 0
## 588 -8.225554e+01 -6.722596067 -1.7401651037 -28.872012473 0
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## 592 -5.060160e+01  6.559669671  0.6925579874  5.169124358 0
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## 594  4.992263e+00  2.013393570 -0.4936572315 -17.152339126 0
## 595 -1.424115e+01  1.803440375 -0.1429707775  22.850049015 1
## 596 -1.930625e+01  3.526707697 -0.1324736978  4.302384279 0
## 597  2.123655e+01 -3.268105003  0.5801350870 -1.456131943 1
## 598 -3.952151e+00 -4.102646190 -1.7558872141  8.362341468 0
## 599 -6.123036e+00  7.644033780 -0.5677377116  6.394527347 1
## 600  1.932401e+01 -4.150050155  0.6597332375  1.423226917 1
## 601 -1.251013e+01 -3.742682942  0.2602705721 -2.353604392 0
## 602 -5.778731e+00 -5.152672514  1.1625693894  11.799538209 1
## 603 -1.543637e+01  2.420119999  0.4929568896 -15.760861968 1
## 604  1.490070e+01 -1.880600798 -1.4992240369 -12.079959092 0
## 605 -4.054593e+01 -9.179993509 -3.0808899292 -17.701119796 1
## 606  5.479119e+01 -0.003671426  1.4721256599  7.472795551 1
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## 609 -9.537616e+00  3.932677024  1.0077513218  10.188166205 0
## 610 -6.750792e+00  5.289819036  0.0837643208 -7.783633973 1
## 611 -3.441151e+00  0.658809616  1.8473223376  25.288544967 0
## 612 -5.688157e+00  6.184896026  2.1135554319  25.134647251 0
## 613  2.611237e+01 -7.167754953 -4.9357302751  3.553517606 0
## 614 -6.568102e+00  6.319998394  0.4812469648  5.130848978 1
## 615  5.427390e+01 -6.718432208  1.4407872894  4.823518373 1

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## 616 1.631588e+01 -2.857543790 3.5582395514 14.347361332 1
## 617 -1.893088e+01 2.253858385 -0.6787057830 -4.556825168 0
## 618 4.350323e+00 3.470661585 -2.3818920035 2.363039621 1
## 619 -2.251935e+01 1.064215145 -0.5869512344 5.601109681 0
## 620 -2.039723e+01 -4.985279023 -0.8621002491 -3.990643310 1
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## 622 9.933563e+00 8.776321059 0.8861202394 7.341047892 1
## 623 5.593722e+00 6.820382351 -1.3041548774 17.420681351 1
## 624 1.498596e+00 -1.752736741 -0.5680989206 -0.008646392 1
## 625 1.060214e+01 -0.789510097 -0.0442371997 5.391667802 1
## 626 -2.327598e+01 3.151240441 2.2185013648 -7.205819648 1
## 627 2.078147e+01 2.958726568 0.3423319378 22.907611332 0
## 628 4.555655e+01 0.963223052 -1.7994268007 32.083878787 1
## 629 6.823120e+00 0.346116799 -1.8381287073 0.074014085 0
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## 632 -3.303264e+01 -4.222969019 1.9724031375 20.981042018 0
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## 635 3.687271e+01 -2.650743668 -1.7650369265 -15.260830242 0
## 636 5.610984e+01 2.299673872 0.2944044909 12.877408912 0
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## 644 -4.133193e+01 -0.991623474 2.4226745135 6.473624743 1
## 645 2.577671e+01 3.278221791 0.6386564266 5.155647395 0
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## 648 -4.685600e+01 3.545260254 -2.1316030785 12.793688051 0
## 649 -7.257115e+01 -1.948705000 -0.7296579942 -20.984974509 0
## 650 -4.991263e+01 -0.983475734 0.8724018963 -10.898073652 0
## 651 -5.451569e+00 -2.338854721 0.9355109894 -18.730211968 0
## 652 -2.297152e+01 5.215514305 2.3663486782 11.824245666 0
## 653 -2.719806e+01 0.530268606 1.3589984781 -10.560664635 1
## 654 -5.890746e+01 -1.487041850 1.6790444344 -12.447406389 0
## 655 -7.043905e+01 -4.947828332 -2.0061952154 -16.380530410 1
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## 665 -2.071962e+01 -0.771574941 1.9598866279 14.781025070 0
## 666 -9.408343e+00 3.298425933 -3.8267006403 -14.886322262 0
## 667 3.262128e+01 -5.192273199 1.7526121987 1.391508757 1
## 668 6.080408e+00 -2.327449799 -0.0078091572 -2.901638346 0
## 669 1.410231e+01 -2.507111661 -3.7632305091 36.959726635 1

```

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## 670 1.698186e+01 -10.107508033 2.5281903895 8.424765569 1
## 671 -5.780418e+01 -1.357508222 0.5448562898 -3.889996439 1
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## 685 -6.002050e+00 -3.466336920 -1.9727020560 -9.720398026 0
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## 687 -2.771883e+01 -3.356133325 1.9435575646 -16.701335948 0
## 688 7.567969e+00 -4.419275793 0.5692501545 -6.767403116 0
## 689 -1.058176e+02 -6.822907003 0.3654689332 -19.518915343 0
## 690 2.470070e+01 -3.143111442 -3.2655535411 19.474136700 0
## 691 -1.104427e+01 4.808654333 -1.6464092845 5.366796293 1
## 692 -5.371358e+01 -4.338337657 -3.2053832240 -27.262534988 0
## 693 2.288385e+01 4.883549111 1.1107050304 6.454529154 0
## 694 -3.673004e+01 -0.530404360 -1.9441311298 -2.740453129 0
## 695 -3.222883e+01 9.084541200 -0.9632169162 -10.445997508 1
## 696 -1.467507e+01 -1.702649723 -0.5318815992 -3.780025917 0
## 697 -5.783332e+00 -4.046921634 2.7497877649 28.936585567 0
## 698 -7.044999e+01 -1.100521704 0.2673297141 -12.623672630 0
## 699 -9.303912e+01 -4.691930098 0.3378064355 -22.137824692 1
## 700 -5.920725e+01 5.267090091 2.9387424046 -19.954298828 0
## 701 1.717458e+01 -3.198249501 0.3795373549 15.268427607 1
## 702 -2.593321e+00 -1.674754535 0.4764787741 -26.794411514 0
## 703 -2.268839e+01 -6.225055102 2.2155800280 1.578416078 0
## 704 -2.684120e+01 -0.281531426 -1.0660339378 -20.968853075 1
## 705 -4.060121e+01 2.738409252 1.8297245630 -12.109455119 0
## 706 -4.058035e+01 -1.307279435 -2.8805135175 -27.439054725 0
## 707 -4.357567e+01 -6.553536423 1.3243642755 -0.698721546 0
## 708 -5.058956e+01 5.328484475 2.9679911918 -2.508194117 1
## 709 -2.318623e+01 -2.824583168 1.9447229662 6.036384218 0
## 710 -5.179409e+01 -2.275646739 1.5100275172 4.680061045 0
## 711 -4.208617e+01 -0.814932171 5.1788342795 3.897641674 0
## 712 -8.400596e+00 2.743883042 1.6042257664 -0.577097394 0
## 713 -3.670192e+01 -4.449277200 0.5219759260 -29.472582269 0
## 714 3.075053e+01 5.288429288 1.0699781958 4.932317703 1
## 715 -4.396017e+01 -9.605631800 0.7134598483 -18.364770649 0
## 716 -8.714908e+01 -2.253374767 -0.9055335058 -25.944076010 1
## 717 2.371851e+01 4.325159090 0.0230721951 5.110157359 1
## 718 6.764702e+00 -5.594300742 -2.7945652639 -6.155829473 1
## 719 -3.310766e+01 1.476256563 -0.4726401073 -14.596137473 0
## 720 -5.085826e+01 5.778979182 0.2665466377 -7.243129308 1
## 721 1.665659e+01 5.881762726 3.2761112959 3.428770806 1
## 722 -1.784868e-01 5.562373108 1.8571674394 15.833534692 0
## 723 -3.597260e+01 1.307145441 1.6546875352 -24.854424936 0

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## 724 -9.636186e+01 -8.683558340 1.0059593505 -19.854213377 0
## 725 -5.872461e-01 3.416089067 4.9168274443 7.495623767 1
## 726 -4.780249e+00 1.623255177 1.5766301542 23.607472495 1
## 727 -1.747755e+01 -2.471706277 3.5778999807 3.813421149 0
## 728 8.115865e+01 3.097611895 -2.9364770922 16.222658553 0
## 729 5.224707e+00 -5.995958365 -1.4098957181 -18.003033262 0
## 730 -6.145021e+01 -0.741016397 2.3931267846 -9.664173342 0
## 731 -3.355108e+01 -8.277790910 -1.4572962548 42.176635028 1
## 732 3.153498e+01 6.492259613 -0.0558259216 -1.819997363 0
## 733 -9.801039e+00 5.649958972 -0.2838178069 -4.215523749 1
## 734 -2.871366e+01 -0.948479914 3.1755089646 -14.869979731 0
## 735 -2.296941e+01 -5.231403980 2.0091999212 17.004937301 0
## 736 -2.012949e+00 6.764367585 -1.1053437799 24.068603506 1
## 737 -5.534176e+01 -4.172629833 1.7366877716 15.895353738 0
## 738 2.164350e+00 -3.406426834 -3.1424507277 -5.865695792 1
## 739 -2.265847e+01 0.564083705 -0.2231212147 -17.899939013 0
## 740 1.150974e+01 -5.854447583 -3.8211975741 12.324283519 1
## 741 -3.088646e+01 2.002609040 -0.2861311206 -13.350993424 0
## 742 -5.835554e+01 1.644337348 -0.8626646041 -8.962258918 1
## 743 -6.155814e+01 -6.038192175 -0.2140252949 -19.709031993 0
## 744 1.987588e+01 5.550590256 4.2083125923 -24.229760689 1
## 745 -6.756021e+01 3.785289466 -2.4544088986 -15.301265326 1
## 746 6.691845e+01 11.107893516 -0.6614779312 14.958162411 0
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## 749 -9.111178e+01 1.135708784 1.2620724300 -22.410145129 0
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## 751 -2.593582e+01 -9.272292613 -1.8623489437 11.328138038 1
## 752 4.192199e+00 -0.035064327 1.2149566793 1.405098966 0
## 753 -2.852878e+01 -2.081071685 -3.6491160435 4.192531110 1
## 754 -2.744811e+01 4.106724350 2.7225897089 3.269997224 0
## 755 -3.095474e+00 3.973793722 2.1428686858 -5.994496993 1
## 756 -1.611977e+01 -3.868171791 -0.7165617227 -2.898873263 1
## 757 2.802953e+01 2.821300083 -0.4241929977 -1.250693637 0
## 758 2.587381e+01 2.135399225 -0.2104292295 13.655375295 0
## 759 6.054068e+01 2.857249044 3.2105156621 25.789063260 1
## 760 -1.346798e+02 3.417037606 2.1822673658 -32.536488233 0
## 761 1.270104e+01 1.068240769 -0.3818811635 -4.090035030 0
## 762 2.967140e+01 -1.607685162 -1.3478429350 14.619456664 0
## 763 -3.836631e+01 -7.118328928 -1.8821362985 -16.964269627 0
## 764 -1.521790e+01 -3.170705527 1.6459997410 -21.181210195 0
## 765 6.064407e+01 -1.247944391 -3.6723497711 -5.583282609 0
## 766 -3.876116e+01 -1.039401230 0.2558126573 -20.021751316 0
## 767 -5.824503e+01 -0.122847655 -3.6166492467 -12.582685866 1
## 768 -4.632499e+01 1.363224829 1.0380592730 -10.714951363 0
## 769 7.445993e+00 0.344419357 0.1727365844 1.790442554 0
## 770 3.616851e+00 0.731918424 0.2173480310 7.785706522 0
## 771 -6.296755e+00 6.487270544 -1.0568786498 -6.567557546 1
## 772 7.970772e+01 3.459986022 2.3353131890 11.649077469 1
## 773 -4.010067e+01 -4.969250525 2.8536770778 -17.497359997 0
## 774 -8.236618e+00 2.476317841 -0.5983505581 -1.670657262 1
## 775 -4.162072e+01 -4.295406683 1.2111085733 2.920920035 0
## 776 4.281001e+01 -3.786965378 -2.7043971211 -13.675831828 0
## 777 -2.433321e+01 -3.187228680 1.0957898155 13.210240418 0

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## 778 3.091102e+01 -3.669543164 -1.6237939944 3.738082094 0
## 779 5.881898e+01 0.675757486 5.8119539572 42.284411177 1
## 780 -5.274796e+00 -4.085622360 2.2114386921 11.251430411 0
## 781 4.831700e+00 5.586383795 -1.4490694851 9.415911730 0
## 782 4.584798e+01 -1.525613428 -1.9925325201 8.263484055 0
## 783 -8.948404e+01 2.441134358 -0.0283457040 -27.887877309 1
## 784 -7.267236e-02 -1.343337212 1.8979597875 0.809648116 0
## 785 6.819200e+01 8.245612196 -3.6927051159 7.294295949 0
## 786 -3.449021e+00 -5.566948563 -0.3428544926 -4.881499648 0
## 787 -3.646493e+01 -0.813090045 -3.2945970071 -1.958524831 1
## 788 1.866672e+01 0.346666907 0.4466248472 6.600385561 0
## 789 -8.774261e+00 -1.222762743 0.7067903115 10.431730916 1
## 790 -3.040089e+01 -3.771472697 -2.6594434342 -5.895114880 0
## 791 1.658870e+01 1.143862409 -1.6438939554 6.047448439 0
## 792 -1.215391e+00 -3.781110142 1.2325080126 6.892691087 1
## 793 -2.382867e+01 5.387679050 3.9616081626 9.503366244 0
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## 795 9.871657e-02 7.490371496 -0.0177640003 8.762771193 0
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## 800 -1.747913e+01 2.414720819 -0.5500053928 -3.135856606 1
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## 806 1.888382e+00 3.022237267 0.9600133675 26.134893765 0
## 807 -3.441775e+01 2.406839555 -0.9847785979 -8.181552443 1
## 808 -2.741931e+00 0.711787797 0.6455930431 -2.662434112 1
## 809 8.609551e+01 -3.906071210 -0.7347743703 -2.421694587 0
## 810 4.108669e+01 0.777026296 1.2865583162 11.555512313 1
## 811 -6.094344e+01 1.400992906 1.9642285398 -10.933989144 0
## 812 -1.495144e+01 -0.502955305 -1.1911505144 -0.078610135 1
## 813 -3.185418e+01 3.121414301 1.1493766133 -14.011873485 0
## 814 -1.715543e+01 -1.632364420 2.0813870754 11.165399582 0
## 815 -3.720928e+01 -7.847929374 0.6480570231 -16.722652648 0
## 816 -3.036246e+01 -3.296392758 -1.7008368300 -10.603538898 1
## 817 -5.637023e+01 1.732755107 1.1084044752 -13.912448047 0
## 818 -8.001647e+00 5.850455444 -2.3897782082 4.561932279 0
## 819 -3.035817e+01 -1.368666020 -0.4527655739 -17.647026628 0
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## 821 -1.413926e+01 -7.651614466 1.0690221200 -11.151427051 0
## 822 2.914677e+01 2.757418252 3.2088084387 19.632194590 1
## 823 4.657829e+00 4.599730170 0.2267672975 -1.555238634 0
## 824 -4.344637e+01 3.297555739 1.0209975518 -7.497417079 0
## 825 3.463760e+01 7.291403590 -1.8093557348 43.171179819 1
## 826 4.819183e+01 -4.801533342 -1.9027577018 30.489001917 0
## 827 5.163030e+00 -2.308058723 -0.2997524376 -7.326434455 0
## 828 -5.041825e+00 -5.263669818 -2.5153953945 -7.437239242 0
## 829 -8.157926e+01 -3.834169533 -0.4168394583 -7.912261900 0
## 830 -9.237747e+01 -0.110563611 4.0077306372 -10.313799592 0
## 831 -1.389064e+01 -2.722703390 1.2708535979 21.681012131 0

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## 832 -2.079002e+01 -4.201814921 -1.0833675543 -5.423063446 1
## 833 -3.558833e+00 8.475675680 -2.0906522594 7.406151164 0
## 834 -7.621427e+00 -4.823664927 -0.1275921787 2.044159788 0
## 835 7.797521e+01 2.311220160 0.1680692628 -15.935516527 1
## 836 -2.185050e+01 2.055257715 0.2533268001 14.056171746 1
## 837 -1.628819e+01 1.500997717 -3.6097297889 4.224097425 1
## 838 -4.177836e+01 7.171940895 -2.1701621807 -33.836305443 0
## 839 6.676576e+00 2.693691732 -0.8052109738 -2.482101325 0
## 840 -6.321029e+01 2.749816632 1.3203014750 -24.833421108 1
## 841 -6.776969e+00 6.599827029 3.1657939374 26.223005530 1
## 842 1.370024e+01 4.427599725 0.1250036361 -5.359533040 1
## 843 -2.586553e+00 5.838438876 2.6685508195 14.253740224 1
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## 845 -2.153293e+01 -4.657358979 0.0316256986 -9.739872248 0
## 846 -3.982431e+01 -3.837567688 -0.8675690095 8.524190476 1
## 847 1.998970e+01 -1.706264870 -0.9989417388 -1.300568209 1
## 848 3.846312e+01 0.685638561 -0.4338738042 -8.627589569 0
## 849 -1.960061e+00 1.382966447 0.6539732692 26.292459813 0
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## 851 -1.858610e+01 -1.008668477 4.0238427209 18.372016196 0
## 852 -4.762045e+01 -0.857742328 -0.5373087488 -15.226801087 1
## 853 -2.265487e+01 8.409641542 1.3257169846 10.475334939 0
## 854 -3.188844e+01 -1.099440348 -1.4266551654 -4.369443275 1
## 855 -9.119573e+00 4.783891760 -0.9268804123 -14.283771984 1
## 856 -2.574805e+01 -0.866777986 -2.1234554069 -22.587512576 0
## 857 -3.991721e+01 -3.811771157 -1.1197766812 -26.537003879 0
## 858 -7.453419e+01 -6.670578167 2.0816517804 -9.144160414 0
## 859 3.152057e+01 3.984356892 0.5585522912 -10.871417202 1
## 860 -1.985315e+01 -4.356783905 0.7364351162 10.489499942 1
## 861 2.620102e+01 -5.769492499 0.1945991210 -0.383647254 0
## 862 -2.344562e+01 6.368282988 0.0878315685 -3.595658606 0
## 863 -5.069316e+01 2.083111530 -2.5493270398 -32.499778473 0
## 864 -8.009033e+01 -2.935913249 -1.3160161394 -10.160747094 1
## 865 -4.623780e+01 -4.815912919 -3.8332421444 -22.234169378 0
## 866 -7.098057e+01 0.080718959 -4.4165617978 -11.448858052 0
## 867 3.394275e+01 -6.371084842 1.1299170857 5.935552546 1
## 868 2.587684e+01 1.845162667 2.5896947988 15.659696932 1
## 869 -4.991809e+00 -0.947720209 0.0007631005 12.417186934 0
## 870 -2.891843e+01 0.809738850 6.6177278737 1.826752230 0
## 871 2.323776e+01 -4.651983263 -0.7011370622 -2.854987367 0
## 872 -4.535048e+01 -2.969855709 0.2701757910 -9.355795087 1
## 873 -7.916991e+01 -4.176846106 -0.0236211830 -26.112334284 1
## 874 -9.766912e+00 1.449993706 -0.2115712197 1.747452271 0
## 875 -4.613502e+00 -2.097143228 -0.7335946872 13.240532392 0
## 876 4.007128e+01 1.435989661 2.8618447925 15.292851052 1
## 877 -3.025349e+01 -0.596304223 -0.1133197267 -13.790196739 0
## 878 -4.791728e+01 -6.274418165 -0.9574216085 -28.391387126 0
## 879 -1.293938e+01 -0.272957592 -1.0548934864 -2.776846580 1
## 880 -7.021625e+01 0.532351917 0.9776740301 -2.053970680 0
## 881 -6.192153e+01 5.099917496 -0.5998039781 4.921817876 0
## 882 -4.665122e+01 4.903637323 4.3223127109 -4.084450898 0
## 883 -2.925330e+01 -4.419336708 -0.3589790362 1.577675268 1
## 884 -1.624207e+01 -0.527593217 1.2199174880 10.417262843 0
## 885 -7.145884e+01 0.573452690 1.4086482609 -21.292781859 0

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## 886 6.710038e+01 -0.227820213 -4.6226042667 4.104086382 0
## 887 -5.803982e+01 -8.126970807 3.0479744428 22.195433095 0
## 888 -9.146113e+00 -3.800423751 0.9855817869 -5.796499943 0
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## 899 -2.353225e+01 -2.247387179 -0.3750904254 -13.514483888 0
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## 901 4.698741e+01 -6.468990761 -3.0497982752 15.861465675 0
## 902 1.405499e+01 -1.160645371 0.1564754403 19.731141179 1
## 903 6.004483e+01 -3.449153322 -2.1023763125 16.800140201 0
## 904 -2.987384e+01 4.899057457 -1.7620895925 6.528502038 1
## 905 4.619508e+00 0.035258180 0.6054284517 9.260386061 0
## 906 -6.123428e+01 4.256143619 -1.1580988376 -24.934281881 0
## 907 -1.459786e+01 -0.535995424 -2.4661424583 16.073375336 1
## 908 1.274453e+01 0.236635076 1.2403537962 14.346887725 1
## 909 -1.007125e+02 7.983212956 3.4846627302 -20.523827150 0
## 910 -2.631571e+01 2.474096979 -0.5893193936 2.388347264 0
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## 914 4.913412e+00 -7.197875020 -1.4523985450 -4.007847190 0
## 915 -2.406739e+01 -11.600431656 1.7752244000 -16.056762407 0
## 916 -8.266668e+00 2.925346335 0.0035852295 -17.833666987 0
## 917 -2.169753e+00 -8.177659717 0.9118872627 7.697451887 0
## 918 1.130678e+01 -8.959499963 0.7364099094 9.242339732 1
## 919 -3.398519e+01 -0.937687465 0.1555804409 -0.115306295 1
## 920 4.588687e+01 -9.533040447 -4.1168374902 -4.318611598 0
## 921 6.231164e-01 3.551905921 5.3880053993 26.077517656 0
## 922 -6.411377e+01 -0.366663415 2.2306230040 1.592845842 0
## 923 -3.181478e+01 -1.920399504 -0.6086038515 -7.696415936 0
## 924 7.032777e+00 -1.864995824 -0.4152072539 18.454269968 1
## 925 6.188191e+01 1.356721085 -2.4937984866 2.018442550 0
## 926 -7.686276e+01 -4.266444562 -0.4272960665 -3.401631318 1
## 927 6.337577e+01 -5.674091397 4.2941601991 36.368515569 1
## 928 -2.753530e+01 3.993130640 -2.5949929805 -28.703152484 0
## 929 -2.783230e+01 -0.087321881 -0.2925779026 -10.326174376 1
## 930 8.950140e+00 -2.360806439 -1.1708607021 -10.240337062 0
## 931 2.800230e+00 1.031467098 0.8609922213 2.836014324 1
## 932 3.028797e+01 1.332676908 -1.3924499857 -35.110859054 0
## 933 -1.189293e+01 -5.053075866 2.8087747734 15.950098072 1
## 934 4.670061e+01 7.213946908 -3.0472190832 5.611447833 0
## 935 1.533880e+01 -3.879382266 -1.2584710310 -48.616567873 0
## 936 -4.454934e+00 2.379361347 -1.2649561795 -1.128304868 0
## 937 -6.990400e+01 -1.719158451 0.4418925222 -7.011561313 0
## 938 3.993425e+01 -2.107875911 -3.9482853301 -7.751452311 0
## 939 4.804510e+01 2.196649376 3.2083514850 22.064110705 1

```

## 940	1.334938e+01	6.495310906	1.9109820438	8.515148167	1
## 941	-1.338055e+01	-1.173767235	3.6415280371	-24.378237297	0
## 942	1.848125e+01	2.964607112	-0.3241736885	-5.464498891	1
## 943	1.762966e+01	0.574869788	0.4362373838	-2.780274575	0
## 944	-2.367386e+01	0.597939905	-0.3597401115	25.521115091	0
## 945	-2.973089e+01	-1.891118263	-1.3401859572	-5.517581171	0
## 946	3.569243e+01	-2.516657882	-3.4422702385	-3.603358372	0
## 947	-1.924539e+01	1.945233096	-0.2488163540	19.037057404	0
## 948	-2.445613e+01	-1.082977591	0.1615224900	17.180536370	0
## 949	6.466819e+01	-2.588771495	-3.3484926892	5.434777899	0
## 950	-1.354241e+00	-5.919185832	0.6003278728	-10.863296491	0
## 951	-2.684990e+01	-13.330062755	-4.8870802663	7.976525827	1
## 952	-1.459743e+01	-3.310332100	-1.9331520060	1.025322173	1
## 953	3.282089e+01	-5.438643403	-0.7408605868	14.451137535	1
## 954	-2.392619e+01	-6.500140740	-1.3515990417	-4.299475096	1
## 955	-3.760577e+01	4.240040063	-0.0125180581	-3.967103029	1
## 956	-4.631579e+01	-1.751116283	-0.5732869531	-27.596765374	0
## 957	3.339120e+01	-1.602410845	-0.0409431666	16.050083201	1
## 958	-1.183464e+01	-6.857449885	1.6160035716	28.642246276	0
## 959	-7.293612e+01	-5.125030496	5.4853754541	-19.845398544	0
## 960	2.421341e+01	2.151484092	2.1340589241	17.469334585	1
## 961	-1.176257e+01	1.101764136	-1.1072961959	7.340708674	1
## 962	5.431214e+00	5.313154691	1.1403028922	9.854157505	0
## 963	-4.021228e+01	2.486765639	1.6372620400	6.905557124	1
## 964	-3.811223e+01	-11.124346751	3.6410981176	-12.648211030	0
## 965	7.549592e+01	-7.238750602	-0.3166245435	23.546971212	0
## 966	-2.633625e+01	-2.901983441	3.0868423861	8.001544920	0
## 967	1.831999e+01	-3.745928198	-1.2361126191	12.710136343	0
## 968	6.342071e+01	-1.524933421	-0.9995149135	21.087522772	0
## 969	-4.270773e+01	3.782308669	-2.6762050215	-6.113711402	1
## 970	-5.277810e+01	-8.444109723	-2.1870726069	-45.796061253	0
## 971	-3.163193e+01	0.018086215	2.2846334412	2.332417217	0
## 972	2.014348e+01	2.889140414	-1.0692562130	-11.142017963	0
## 973	1.670913e+01	5.069779860	1.1450697580	24.680075394	0
## 974	-4.503982e+01	4.300598556	0.7385094465	-17.393627909	1
## 975	-2.164252e+01	-0.619872482	0.4882862686	7.015546970	0
## 976	1.123666e+01	-4.800124307	-1.3571908455	-5.106163900	0
## 977	9.372312e+00	-3.073861409	-0.8922859991	-2.616601167	0
## 978	-2.199350e+01	4.547452034	2.2537830384	0.158973769	0
## 979	-3.781288e+01	-6.921884686	-1.6294846181	-11.153516214	0
## 980	-5.908490e+01	-1.432701355	3.4051154498	-1.062126287	1
## 981	-1.170066e+01	1.774277809	-2.1665616001	-3.133597299	0
## 982	-5.069148e+00	7.093290822	2.3273979288	16.209091733	1
## 983	-4.028649e+01	-10.453655433	0.8460515469	2.777187367	1
## 984	-1.266577e+01	-4.328563970	-2.2060582614	-4.388064061	1
## 985	-4.099299e+00	0.755325986	1.9342287506	6.881882384	0
## 986	-1.980080e+01	-1.073070507	-1.1734713134	-10.438896053	1
## 987	3.458315e+01	-3.636704938	2.6573090050	25.191234524	0
## 988	-6.584969e+01	4.979478370	2.7140233694	9.418986675	1
## 989	1.938259e+01	-4.953185564	-0.0719605070	13.744075472	0
## 990	-3.275369e+01	-4.821723638	-1.6628252013	-14.700471322	0
## 991	3.531500e+00	1.728045426	-4.2924829232	-7.035279746	1
## 992	-4.556434e+01	-3.121965766	1.2689365852	0.039202612	0
## 993	-1.253076e+01	4.817263153	-0.1912729178	2.850269116	0

```

## 994 -1.300141e+02 2.009920858 0.1319220921 -17.046410099 0
## 995 1.823482e+01 1.362831727 2.4441652114 17.393714000 1
## 996 4.827747e+01 -10.135960486 5.0673403476 37.559448711 1
## 997 -3.091538e+00 2.061149075 0.4033986046 6.958994952 1
## 998 -9.595206e+01 -4.144224872 1.2951084980 -9.691762681 0
## 999 2.191139e+01 1.972458111 -1.5950602983 0.316188956 0
## 1000 -5.014757e+01 0.975859937 1.3712347607 -19.439945628 0
## 1001 -2.484365e+00 -3.324642842 2.3574738641 -2.107526578 0
## 1002 3.900270e+01 10.380146188 1.8280717433 19.342083799 1
## 1003 -8.021496e+01 -0.159448613 -0.5780428618 -5.393365957 1
## 1004 -1.456301e+01 9.378113236 -0.6217467905 20.660439694 0
## 1005 -4.918448e-01 -2.064008481 -1.6083658853 17.069007464 1
## 1006 8.445272e+00 2.696317919 -3.9397640409 3.719873934 1
## 1007 -3.639256e+01 -5.606358037 -2.3937803423 -14.882791555 1
## 1008 1.759586e+01 0.840256955 0.9075155871 0.552146747 1
## 1009 3.014552e+01 1.210545696 -0.8047395594 35.646498402 1
## 1010 4.220973e+01 7.349419091 3.2965432867 21.705684441 1
## 1011 5.489033e+00 5.576297277 -0.5009494781 -22.212391886 0
## 1012 -8.658742e+01 12.220922260 1.5980538727 -20.149551472 0
## 1013 -3.026689e+01 6.931515206 -0.6769371934 -12.210298453 0
## 1014 -1.565623e+01 0.835670514 -0.1127163341 11.180255754 1
## 1015 2.981040e+01 -2.420361546 -0.3471933638 13.101494763 1
## 1016 2.322352e+01 -1.408003035 -0.5270472688 -19.085576478 0
## 1017 -2.990672e+01 -3.366517137 0.5730661451 -9.099233859 0
## 1018 3.237094e+01 2.927770382 -1.4907240806 -5.290443414 0
## 1019 -2.625057e+01 0.695125624 -0.1810976485 2.017876262 1
## 1020 2.418295e+01 3.002021863 -1.6275046274 -1.236746971 0
## 1021 -5.176160e+01 -0.135750105 -0.6204839121 -11.123517063 1
## 1022 -9.025223e+01 2.258367582 1.4450625146 -22.697290107 0
## 1023 -4.966044e+01 -3.237784891 -3.1544624274 -18.708687888 1
## 1024 -2.815472e+00 -7.845236171 0.1644509844 21.780515938 0
## 1025 -3.319593e+01 3.964283030 -1.2656036309 -5.209746431 1
## 1026 -4.366811e+01 -11.431018637 -0.2987631642 -12.802630082 1
## 1027 -2.569780e+01 1.136916345 -1.3484412504 -2.498158589 0
## 1028 -1.065567e+02 1.974277634 2.8318365934 -25.412997367 0
## 1029 -4.357630e+01 1.577845514 -0.8444408475 2.391683562 0
## 1030 -4.965794e+01 -1.857533931 1.8969372032 -10.931834585 0
## 1031 -9.515624e+00 -0.333762840 1.4542923081 10.903104223 1
## 1032 -5.446452e+00 6.878205026 -2.2419602354 -1.229490732 0
## 1033 4.446778e+01 2.833240404 -0.7991480365 8.660726654 0
## 1034 5.173593e+01 6.477472512 2.8780031961 -8.914262451 1
## 1035 -1.095649e+01 1.504582364 -2.2234253070 -21.853194621 0
## 1036 -3.783550e+01 0.310772843 -0.4793288363 -18.194191840 0
## 1037 -4.162295e+01 -7.341299793 0.3262367477 -17.256393029 1
## 1038 3.548026e+01 -6.752936543 0.5685024416 22.506624831 0
## 1039 -6.945302e+01 3.238204667 2.8102483744 -11.408216317 0
## 1040 -7.367890e+01 1.693852581 3.1863265944 -14.331723575 0
## 1041 2.180470e+01 -11.558481408 1.0894066841 16.704240884 1
## 1042 -2.124343e+01 11.709156267 2.6624634172 7.381297739 1
## 1043 -4.469132e+01 7.093269220 0.2910682480 8.288037179 1
## 1044 -1.046224e+02 -2.546451254 1.4571764316 -22.579633418 0
## 1045 1.667069e+00 -3.864100797 1.6536351603 6.469179138 0
## 1046 2.351861e+00 -0.092573963 1.4198122555 7.982133184 1
## 1047 -2.592621e+01 2.021646001 -3.7947781640 12.414118431 1

```

```

## 1048 -4.343179e+01  3.214279941  0.2522615981 -14.468112838 1
## 1049 -4.111093e+01  6.231467133 -1.1943241499  4.040351898 1
## 1050 -7.931398e+01  9.600399493  3.5148601687 -14.735810373 0
## 1051  9.108900e+00  3.483851130 -2.6319078349  15.767998051 1
## 1052 -9.978316e+00  1.988451667  1.6413964744 -7.666594323 0
## 1053 -4.445154e+01 -0.857859061  1.6590593011  4.388484698 0
## 1054 -7.933451e+00 -5.829043978  0.4972217743  10.560689321 1
## 1055 -3.530090e+01  2.299810533 -0.8586110394  0.635425864 1
## 1056 -3.694968e+01 -0.215472334 -2.0876712407 -2.497186846 1
## 1057  1.854024e+01 -4.824709982  0.3127110397  18.730549175 0
## 1058  4.405895e+01  3.781721387  1.9593768418  24.592560316 0
## 1059 -1.651487e+01  5.354995132 -2.0366053189  4.297188771 1
## 1060 -4.070420e+01  3.731171935 -1.0456634356  7.114128940 1
## 1061 -1.507429e+01 -0.805238507  0.0486444214 -1.944499330 0
## 1062  6.500928e+00  6.859887824 -3.8856233733 -24.641548754 0
## 1063  2.117506e+00 -1.988177265 -1.0740940523  1.383065491 0
## 1064 -5.532663e+01 -3.239962788  1.0112593227 -8.292665414 0
## 1065 -3.844030e+01  4.325143929  2.0807664414 -1.234174304 1
## 1066 -1.086959e+01 -4.948174862 -0.5448844080  13.933995371 1
## 1067 -9.461219e+01  0.291685839 -0.4344693563 -22.877504059 0
## 1068 -1.498332e+01 -4.476632820 -3.4420988765 -20.115772331 0
## 1069 -1.764545e+01 -0.701712331  0.1808086893 -6.029263196 0
## 1070 -6.309534e+01  2.380399670 -1.2315339259 -20.353903526 0
## 1071  1.026133e+02  0.666414528  3.5986644679 -7.758029854 1
## 1072 -5.423723e+01 -6.281632452  0.8337440312  0.589078271 1
## 1073 -1.437518e+01 -10.290099893 -1.9092902144 -18.688645421 0
## 1074 -4.805360e+01  1.387471637  1.4982648318 -10.088830420 0
## 1075  7.768298e+01 -0.848283738 -1.9162237029  7.018197932 0
## 1076 -4.541877e+01 -2.544751370  0.7862296655 -11.941364291 0
## 1077 -2.546816e+01 -2.901477343  1.7566467877  2.798703644 0
## 1078 -4.658076e+01  1.248044964  1.1744726848 -20.198836302 0
## 1079 -8.267638e+01  4.244257843 -0.8778700502 -19.387371113 1
## 1080  1.833392e+01  0.893896729  1.2800383190  15.265636361 0
## 1081  4.585017e+01 -7.559089234 -0.6635972857 -2.883238232 0
## 1082  5.834678e+01  4.730893892  1.3983160669  15.214973725 0
## 1083  5.303078e+01 -6.567838272 -0.2555742702  7.373409000 0
## 1084  2.745143e+01  1.725218900  2.9857693400  16.574407748 1
## 1085  2.492008e+01 -14.404348575  0.3389462127  8.664951244 0
## 1086  4.224518e+01 -7.571773042 -0.7310452553  10.861712409 0
## 1087 -3.013233e+01 -0.964399877  0.4948693350 -5.774245336 0
## 1088 -4.086201e+01 -1.649719324 -0.1764993564  8.977438961 0
## 1089 -1.140780e+00 -0.522486659  1.0039510112 -5.849345177 0
## 1090 -6.568206e+01  0.865747504  0.8273174681 -25.000618389 0
## 1091 -6.197633e+01 -4.065669041  2.3903367911 -24.216161550 0
## 1092  3.064808e+00 -2.584869154 -2.4937470462 -16.143232083 0
## 1093 -3.082764e+01 -1.775068261  2.0949809352  20.905595349 1
## 1094  3.438587e+01  6.606204333 -2.5893511835  6.868040990 0
## 1095 -2.938323e+01  6.530282938 -1.3399678582 -36.579777134 0
## 1096 -7.089521e+00  3.228114822 -1.6303330247 -11.482139955 1
## 1097 -9.333762e+00 -0.915015598 -3.3986064201  24.979818859 1
## 1098  4.551929e+01 -4.220894218 -1.7676959354  11.775456232 0
## 1099 -5.858621e+01 -5.048902271  0.9235666591 -10.504090553 1
## 1100 -6.679012e+01  0.297381105  2.8607162452 -8.815708785 0
## 1101  1.578890e+01 -2.036309649 -1.5712847289  4.973074830 0

```

```

## 1102 9.546364e+00 0.980658203 -3.1826633205 -4.514495202 1
## 1103 -2.616159e+01 0.920119633 -2.5563533171 2.941336086 0
## 1104 1.313087e+01 4.471279506 -1.2028816874 4.553218352 0
## 1105 -4.676234e+00 3.207930508 -0.1941315757 1.042535774 1
## 1106 4.679889e+01 -6.308330360 -3.2713367164 19.239317441 1
## 1107 -3.928581e+01 -1.175996354 -0.1844093128 21.575018953 0
## 1108 1.525152e+01 -1.737776231 1.7015941074 20.075268678 1
## 1109 6.379111e+00 3.282334080 -2.1808753277 12.603006958 0
## 1110 3.140784e+01 -11.150122794 -2.5681168520 10.443640591 0
## 1111 -2.803130e+01 3.336788570 0.8014500471 10.841971283 0
## 1112 -5.150888e+01 -0.685269304 1.3086748529 -12.391237773 0
## 1113 -1.601237e+01 8.986978399 0.6538251379 13.098926515 1
## 1114 -5.256191e+01 -2.091563160 -3.3458123647 -21.990428665 1
## 1115 -9.817546e+00 -4.190399911 -1.5387196012 -4.102809171 1
## 1116 -1.203087e+01 -1.811381661 -1.0565668888 8.802132905 1
## 1117 -1.011827e+02 -1.853728085 1.6253505126 -32.053135034 1
## 1118 -1.353230e+01 10.813278211 0.7598951609 10.406961386 0
## 1119 -9.779874e+00 5.419158444 -0.4078392891 -10.629776549 1
## 1120 5.764712e+00 -0.973365281 -3.7624170497 -21.942080604 0
## 1121 -3.538586e+01 3.330656515 1.9964038422 -3.580780751 0
## 1122 2.242162e+01 2.041001559 3.0706392481 20.582925713 1
## 1123 -1.563235e+01 -6.037239053 2.9470682720 29.240252933 0
## 1124 -8.412625e+01 -6.853086361 -0.9316442919 -20.536782607 0
## 1125 1.772618e+01 1.174738112 -0.0376319805 4.901393840 0
## 1126 -4.599861e+01 2.536208801 2.4095334851 2.099992899 0
## 1127 -1.068872e+01 -6.133416202 1.1514842496 -10.644235499 0
## 1128 3.008328e+01 -1.156766295 0.3255516437 -0.010721258 1
## 1129 1.343172e+01 -0.320442425 1.2791428704 26.058139236 0
## 1130 2.370374e+00 9.813585251 2.1027448115 11.157897140 1
## 1131 -3.662087e+01 1.299267665 1.0765583871 -9.669968543 1
## 1132 -5.507513e+01 -1.203626507 2.4118430202 -14.209694937 0
## 1133 -3.306411e+01 -5.157715824 -1.6606453908 -20.811067161 0
## 1134 4.960781e+01 2.790886079 3.0326905318 30.586638953 1
## 1135 -2.165534e+01 -1.510416182 -1.8282558978 8.128914639 0
## 1136 -9.845834e+01 -2.974336224 3.4547143910 -35.043777956 0
## 1137 -3.486932e+01 3.872353087 1.3347838834 -12.402256315 1
## 1138 -5.408477e+01 -5.305645697 2.5700276035 28.011550121 1
## 1139 -3.427633e+01 -1.895364696 0.0418990078 -13.625633040 0
## 1140 -1.225492e+01 0.548248852 1.4580606415 2.435800945 0
## 1141 -8.027652e+00 8.207884811 1.5289382929 5.602290417 0
## 1142 -3.935320e+01 2.799951305 0.3914314600 -7.494370871 1
## 1143 -3.831875e+01 3.712492151 1.5766330603 0.571129432 1
## 1144 -4.093102e+01 4.854300788 0.6357391144 13.434725626 0
## 1145 5.526753e+00 4.529963900 -0.9483999929 13.117023245 1
## 1146 -4.983438e+01 -0.522018744 2.1981862948 -19.571392536 0
## 1147 -5.185361e+01 0.832329758 -2.5131886776 -22.442009452 0
## 1148 2.255399e+00 -9.241406262 0.0165536774 3.193755778 0
## 1149 3.113093e+01 -11.500152340 0.5994011056 6.703995815 1
## 1150 -2.359984e-01 12.116951087 -2.6254308149 -19.623097509 0
## 1151 -4.608491e+01 3.569588313 -1.0716992653 15.521022742 0
## 1152 2.922105e+00 3.938524749 -1.0193419754 4.931117695 1
## 1153 -3.522465e+01 -2.223071422 0.5636742889 -1.432503022 0
## 1154 -2.990117e+01 -2.305243300 -1.5113185883 -13.333668399 1
## 1155 -4.749939e+01 4.411206180 2.8837614152 -12.566592246 0

```

```

## 1156 -5.616492e+01 -9.974167207 0.5129768040 -18.626146531 0
## 1157 9.547791e+00 -1.647978311 1.5657129817 0.435514084 0
## 1158 2.115783e+01 -1.249428893 2.3256556577 14.369367463 1
## 1159 1.200341e+01 7.540142128 -0.0919053899 2.677601993 1
## 1160 -5.312928e+01 0.760980017 2.9971781216 7.662364848 1
## 1161 -2.784509e+00 -4.182681363 1.2429506976 8.050300441 1
## 1162 5.362089e+01 -3.880799263 -2.9361426447 -14.179449131 0
## 1163 -4.386960e+01 6.170381691 0.3733094005 -12.319119203 0
## 1164 -9.865284e+00 -5.486370094 0.0276634429 3.549256492 1
## 1165 -5.465374e+01 -4.952671119 2.0740997204 11.241503483 0
## 1166 -2.955665e+01 1.086126235 0.6657987107 -6.720062074 0
## 1167 -9.997425e+00 5.483510209 -0.1063926737 -4.380960154 0
## 1168 -1.699690e+01 -0.363621007 0.4789167500 -3.034192595 1
## 1169 -1.440215e+01 -9.623896299 -0.6599483129 14.925769077 1
## 1170 -1.920929e+01 -0.977733551 -2.1712428812 19.007451105 1
## 1171 -4.432857e+01 -0.916531230 3.4191824009 -0.732888539 0
## 1172 -4.640729e+01 -3.405054490 -1.0198099244 -2.615434074 1
## 1173 -8.095799e+00 -2.807123524 0.5801001364 -6.560634528 0
## 1174 -2.200331e+01 -0.476439277 -3.4447066580 -12.053615450 0
## 1175 -4.519575e+01 0.183166701 -4.5413119482 2.752116485 0
## 1176 4.434639e+01 -2.683446560 1.2564848646 8.701910922 1
## 1177 -2.626227e+01 -0.603430836 3.2097424822 -12.678774476 0
## 1178 -1.155834e+01 -6.731136404 -4.6888599384 -20.768059022 0
## 1179 4.912147e+00 1.488551318 -0.7296515213 24.028844496 0
## 1180 5.499998e+01 -2.191462022 2.3298695955 19.197689750 1
## 1181 -3.987172e+01 -1.687509107 -0.3659205472 -4.451222177 0
## 1182 -1.703956e+01 6.584553710 -0.5797885633 -3.775821444 0
## 1183 -4.671584e+00 11.325857736 3.2075160746 12.054848024 0
## 1184 -4.626891e+01 1.969952683 -0.1676231742 -10.475037795 0
## 1185 -3.064594e+01 -3.304354559 -2.9644013527 16.563401013 1
## 1186 2.635739e+01 -1.577667856 -2.9491763934 -13.672028006 0
## 1187 -2.243340e+01 2.541709253 0.2030989094 28.314980847 1
## 1188 -6.434999e+00 2.317118405 -0.2851401454 -1.230527002 1
## 1189 -2.237334e+01 -4.601769440 0.6210396335 -12.191067853 1
## 1190 -7.771530e+00 -0.255096362 2.4341278088 -8.129020367 1
## 1191 3.419011e+01 -1.490004057 1.5670334152 17.559655443 0
## 1192 -3.201196e+01 5.463697918 4.5205199682 9.866524817 0
## 1193 5.150293e+01 8.100748041 -1.2585956452 20.114034488 0
## 1194 1.032670e+01 4.456285964 -3.2315979994 -10.601379488 0
## 1195 -2.297798e+01 -5.432541271 0.3537615763 -5.838337722 1
## 1196 -3.715102e+01 -4.303387327 0.2672865592 0.577792456 1
## 1197 -2.813083e+01 4.158218039 0.1664079369 16.188084041 1
## 1198 1.291794e+01 2.949386877 6.2528453412 8.018400800 0
## 1199 2.370326e+01 -2.305615615 2.5270667486 10.532306783 1
## 1200 4.812938e+00 -0.875273072 -0.0068980529 4.359729579 0
## 1201 -5.068211e+01 -4.601879754 -2.2002906794 -4.173648895 1
## 1202 -6.087057e+01 -2.090992395 0.2100678306 7.459208354 0
## 1203 -6.425822e+01 -1.443688904 2.5880501236 -7.834002074 0
## 1204 2.873204e+01 1.500900512 2.3695653043 34.346452610 0
## 1205 5.264992e+00 8.105906799 -0.8508397732 7.980948968 0
## 1206 -1.471488e+01 -3.889063673 1.7363997735 20.195674695 1
## 1207 -8.217285e+00 4.888829554 0.8181732265 33.926595621 1
## 1208 3.025092e+01 7.874947301 -0.0934673159 19.262641565 1
## 1209 2.881311e+01 1.761351142 2.7819560357 10.247942586 0

```



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## 1210 -4.010430e+01  4.282026484  0.3344422444  2.069179817 1
## 1211 -6.454649e+00 -11.073835038 -0.3085408927  4.948755341 0
## 1212 -6.130047e+00 -1.478749030  1.0668683426 -0.947194236 0
## 1213  2.974630e+01  5.431875627 -3.4158542454 -3.639907144 0
## 1214 -2.502773e+01  6.111827715  2.9162080503  3.025457129 0
## 1215 -1.112703e+01  3.002765816 -0.3290251018 -5.919947774 0
## 1216  3.653151e+01  6.096837628 -1.6117583099 11.303766761 0
## 1217 -2.800193e+01 -4.143657974  3.0258200150 17.545413281 1
## 1218  2.260038e+01 -13.530990736 -0.6763759784 20.991678873 1
## 1219  4.584603e+01 -1.694162930  2.8258127759 15.490722474 1
## 1220  3.225286e+01  3.778060230  1.0445882248  5.426324257 0
## 1221 -5.514998e+01  7.101884697  3.1866506344 -11.218203382 0
## 1222 -6.546778e+01 -1.940794931  1.0012059977 -16.094472744 1
## 1223  2.106363e+01 12.771496117  0.7894574017 10.315099845 1
## 1224  1.761483e+01  0.710370300  1.6906690520  9.170687666 1
## 1225 -2.777127e+01 -2.012935959  0.7492529746 -2.070082762 0
## 1226  6.370800e+00  5.410833202  2.0658988408  8.922485630 0
## 1227 -7.312625e+00  1.479826776  1.9610729703  8.308047284 1
## 1228 -3.894497e+01 -13.405982940  0.0920195673 -4.949972562 1
## 1229 -8.356771e+01  1.901800877  3.0534648776 -22.956359795 0
## 1230 -5.444655e+01  2.844140150  0.0553591367  8.595106208 0
## 1231 -4.925765e+01  2.626733341  1.0656220605 -16.790635705 1
## 1232 -5.255140e+01 -3.340878920 -2.4612421537 -5.517944538 0
## 1233  6.782837e+00  4.207877266  2.6647328042  0.497485391 1
## 1234 -2.778517e+01  8.612502389  0.2022839630 10.246095876 1
## 1235 -3.759289e+01  6.758901403  2.9552804863 -2.051547525 0
## 1236 -5.768721e+01 -0.153874360  1.3980801353 -17.818577357 0
## 1237 -3.437536e+01 -0.523977913 -0.1386391053 -1.681561647 1
## 1238 -1.617167e+01 -3.717296725  1.6037163454 -5.808931836 0
## 1239 -2.430190e+01  3.897473456 -3.4306584536 -10.724289952 0
## 1240 -2.197279e+01 -0.149270287  3.1620937689 -0.465147526 0
## 1241 -1.024612e+01 -11.904592795 -2.5934828703 -10.748947649 0
## 1242 -2.424334e+01  1.689988844  3.1876414692 -9.184770645 0
## 1243 -1.099285e+01 -3.252844747  0.2473786482 -0.456298757 0
## 1244  6.994543e+00 -6.316466715 -0.8102894369 -13.450178795 0
## 1245 -9.154003e+01 -11.725717468  1.1427836049 -17.452453055 1
## 1246  2.589401e+01 -7.526731155 -0.8879814207 26.757685983 1
## 1247 -3.049289e+01 -2.704538504 -0.1118670395 -17.639774449 0
## 1248 -2.600603e+01  3.871390691  0.1403752080 -9.229096351 0
## 1249 -2.688520e+01  6.846340778 -1.3475910717 -23.514734867 0
## 1250  2.206623e+01 -0.626534690 -3.5155308275 19.482672585 1
## 1251 -7.432115e+01  1.101954853  0.9370585686 -18.057208153 0
## 1252 -6.094673e+01  5.789712381  3.0341288930 -10.898491282 1
## 1253 -2.681738e+01 -2.137085064  1.7812280254  1.449228908 0
## 1254 -9.159627e+00  0.503889738  0.7784435291  4.046387188 1
## 1255 -1.110024e+01 -7.153008881 -1.6332510791 -19.207303096 0
## 1256 -3.230182e+01 -3.763228354  2.0946375206 19.673022674 0
## 1257  1.021447e+01 -0.024570681  1.6190128806 10.712280729 0
## 1258  4.059580e+01 -6.943963913 -0.8644481323 11.821794356 1
## 1259 -1.255802e+01  2.829379861 -1.8138285183 31.438474252 1
## 1260  1.551015e+00  1.309920185  0.0189966703 -10.516400855 1
## 1261 -7.758619e+01 -0.846221977  3.0031052962 -11.373286031 1
## 1262  9.141223e+01 -4.825231792  3.6541189787 29.914845925 0
## 1263 -2.523480e+01 -5.015731745  0.1380889544  4.120293115 1

```

```

## 1264 -2.901486e+01 -1.171536424 2.9719118308 7.892780632 0
## 1265 9.490001e+00 -0.120524481 1.4519147282 -1.362860308 1
## 1266 -3.151532e+01 2.460905623 2.5814264040 -11.224368372 0
## 1267 3.805788e+01 1.795065818 3.2726075629 24.681958452 1
## 1268 -5.034907e+01 -2.007022132 0.2132709703 -14.266065172 1
## 1269 -7.322015e+01 -4.685658895 -1.1506247084 -23.762153800 1
## 1270 -1.202822e+01 -2.969398101 1.8595682087 11.201152069 1
## 1271 -4.102708e+01 -1.089791482 -3.6209225055 4.031042796 1
## 1272 4.016097e+01 -5.529087912 -3.5559567380 7.499134887 0
## 1273 8.434203e-01 3.149352086 -0.7991085615 18.116628585 1
## 1274 -8.427293e+01 2.067839313 1.3919711642 -15.896220618 0
## 1275 -2.414755e+01 4.316804572 -3.9507909733 -1.119051279 1
## 1276 -1.498906e+01 2.205858645 -3.5699125538 -20.259056606 0
## 1277 -1.454156e+01 -6.611452025 -1.3012542073 -8.584828082 0
## 1278 -3.586158e+01 3.926314656 1.1688930237 18.750230518 0
## 1279 -8.203248e+01 -4.790902928 0.5526674825 -27.940874953 1
## 1280 -5.236039e+01 -11.831302187 2.7060308488 2.048642140 0
## 1281 -5.821008e+01 2.925327297 0.1210767004 -1.545236686 1
## 1282 -6.747900e+01 -6.988255771 0.3489778812 -8.636744564 1
## 1283 1.699792e+00 -3.431272943 2.1333828953 0.976528126 0
## 1284 -4.685082e+01 -8.163486856 1.6242196118 -29.282496004 0
## 1285 -3.926311e+01 6.292792275 -1.3786095571 -10.602236079 0
## 1286 -2.427747e+01 -2.117425692 0.3317558852 -10.699961004 0
## 1287 2.628693e+01 3.839142122 0.5247436790 1.666791572 1
## 1288 -6.645015e+01 1.742825797 0.1548828003 -11.910403167 0
## 1289 -5.788362e+01 2.438279266 1.9746073383 -31.492366579 0
## 1290 -1.961389e+01 1.321662548 0.2891812174 2.291514709 0
## 1291 -2.957543e+01 -6.845966366 -0.6016720105 -16.932038024 1
## 1292 6.917621e+00 -4.342987557 -2.8665085997 -7.709517688 0
## 1293 -3.415330e+01 -5.361861261 0.2228439692 -2.070048495 1
## 1294 2.468374e+01 -0.412814793 -1.9108529597 -10.708488476 0
## 1295 3.781036e+01 -4.693888143 -3.1523050858 7.919967778 0
## 1296 5.141401e+01 -2.189574807 -1.0386344293 24.462390840 1
## 1297 -6.005953e+00 2.026405015 -3.2623556237 -8.328210850 0
## 1298 -1.088276e+01 2.122411798 -3.2899450107 -25.013230237 0
## 1299 -2.385949e+01 4.264469382 -2.2814185261 -2.369252955 1
## 1300 -2.881563e+01 -10.660062822 0.0046942667 -14.665361057 0
## 1301 -3.585368e+01 8.234412357 2.9291300074 -7.907968066 0
## 1302 1.290491e+00 2.509098148 -3.4034657346 -12.443958206 0
## 1303 -2.205616e+01 0.678364844 1.3058294987 15.671039757 0
## 1304 -1.257000e+01 6.704408451 -1.3437842999 5.745454449 0
## 1305 -6.467646e+00 -2.756713977 -0.0675002705 -3.094050467 1
## 1306 3.974462e+01 1.668960391 0.8330663782 17.595614944 0
## 1307 1.712176e+01 2.005239635 1.0687827316 22.231077010 0
## 1308 -6.066382e+01 2.004713536 0.4164065481 -26.071126128 1
## 1309 -1.997107e+01 -0.046278153 0.7828804796 -6.910204509 1
## 1310 -6.720936e-01 -1.633644074 1.6988247144 9.645269933 1
## 1311 -1.592402e+01 -6.211637041 1.2564315012 -10.673104489 0
## 1312 -3.658881e+01 -5.039434693 2.7895292649 -10.338496151 0
## 1313 -2.566217e+01 3.770550577 2.5685276705 3.705401173 0
## 1314 4.416748e+01 -6.657420945 -0.3991320807 -20.457284213 1
## 1315 -3.189784e+01 5.062745072 1.6785044114 -3.402350289 0
## 1316 -3.720732e+00 -3.063149848 2.8525614557 11.737075851 1
## 1317 6.031873e+00 -0.553568704 6.1654520267 15.923678496 0

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## 1318 -2.044817e+01 -3.031331236 1.7392488014 2.846738061 0
## 1319 1.679663e+01 3.880863523 -3.7979979670 -7.108618532 0
## 1320 4.469443e+01 8.147423300 -1.7645308657 1.988779313 0
## 1321 -3.705266e+01 3.792721059 -1.5651876883 -3.811844223 1
## 1322 1.350836e+01 -8.999946533 0.8699933154 -0.459089874 1
## 1323 -8.271336e+01 -2.661313837 1.7696353096 -10.600425166 0
## 1324 5.182784e+01 3.801372264 -3.1135575960 12.245756314 0
## 1325 -5.769651e+00 0.428053023 1.9487763157 16.472610062 0
## 1326 -8.044776e+01 -2.535238805 2.0031430360 -20.076772061 0
## 1327 -2.138183e+01 -1.832458164 4.9291155333 1.510218067 0
## 1328 -2.908873e+01 8.134033454 0.9021723203 11.557556895 0
## 1329 -3.815362e+01 4.024784636 -1.7405297702 -16.498253592 0
## 1330 -1.338311e+01 -1.146475882 -0.7428128051 10.426947249 0
## 1331 -1.962632e+01 -1.985575003 1.3937141656 6.981581771 1
## 1332 -3.582781e+01 -1.211206692 0.3652244513 -19.260582988 1
## 1333 -2.194167e+01 -0.974109162 0.5820486655 -20.927890169 0
## 1334 -3.311390e+01 -1.733915412 -2.5435940524 -17.257708938 1
## 1335 -2.802516e+00 -2.392690061 1.2138301987 4.229964400 0
## 1336 2.712436e+01 0.746663625 -3.8479192703 8.186227233 0
## 1337 -6.218762e+00 -2.874973985 0.2495880432 -7.969439232 0
## 1338 -4.223451e+01 1.724769963 1.5527322477 -13.994368695 0
## 1339 9.656605e+01 -1.402423388 -0.1728408695 21.205607431 1
## 1340 -3.228230e+01 -2.033865238 -0.7335891664 -14.584430414 0
## 1341 4.675926e+01 -2.711546035 -1.3877418280 8.688541507 0
## 1342 -8.623743e+00 -1.484640217 -3.1337936379 5.164843283 1
## 1343 4.942039e+01 -3.804621270 1.5421352669 5.068340977 1
## 1344 -8.575135e+00 -1.111796754 -1.0566779913 -3.050883151 1
## 1345 4.032802e+00 -5.506583825 -2.8231075357 -30.404598924 0
## 1346 9.086282e+00 -4.312727439 0.6672115553 11.172234836 0
## 1347 -7.626115e+01 -1.856484786 -0.6724483659 -21.653913912 0
## 1348 -8.543062e+01 -4.969001264 1.9044652308 -9.305713845 0
## 1349 -6.844939e+01 -5.045501981 3.5841771548 2.671486778 0
## 1350 -9.617742e-01 -6.341797460 -0.1436558035 5.666603155 1
## 1351 2.643780e+01 -5.974197549 -0.5172689107 6.026027858 0
## 1352 -1.038664e+01 -6.225227121 2.1156831736 25.264553319 0
## 1353 -2.658931e+01 -10.893113209 -0.2742991896 17.959600296 1
## 1354 -1.588717e+01 10.785911557 1.0621880077 20.278479021 1
## 1355 -1.208241e+00 -5.260272182 -1.2889178390 -8.098751448 0
## 1356 -7.449844e+01 -4.932899254 -0.1269333843 -7.685689980 1
## 1357 -6.735957e+01 4.643408112 1.3771210613 -4.323211124 1
## 1358 2.459215e+01 -2.479666916 -0.6095680809 6.610810804 0
## 1359 -3.615248e+01 -6.024450902 2.4422897974 -7.566634849 0
## 1360 -3.481311e+00 -3.491368475 0.4960541738 4.131331170 1
## 1361 7.669275e+00 1.943955791 0.5943342173 12.737267494 1
## 1362 1.666457e+00 7.914937389 -0.9485107471 -6.049568581 0
## 1363 2.195678e+01 6.852590279 1.9171462871 10.906362612 0
## 1364 7.073465e+01 -0.724940444 4.9692736342 34.373660963 1
## 1365 9.078467e+00 -7.413783452 1.3477804618 4.273993988 0
## 1366 -9.346622e+00 -3.625175382 0.3265065176 25.491020604 1
## 1367 -2.280029e+01 0.978986935 -3.3497689888 9.918442771 1
## 1368 3.251238e+01 -4.751382743 -0.0429641168 -6.922350472 1
## 1369 8.685524e+00 -4.396925587 -1.0828417357 -1.692227498 1
## 1370 -1.131447e+01 7.676179819 -1.7935523708 -8.136941430 0
## 1371 1.617255e+01 4.335493993 1.6843242826 12.369206058 0

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## 1372 1.438525e+01 7.833018044 2.7128631877 16.026121884 1
## 1373 3.304931e-01 3.196940335 -2.6472250845 8.045037698 0
## 1374 -5.307195e+01 8.326493382 -0.8745301304 -17.856122665 0
## 1375 -5.524625e+01 -3.757042092 2.9185427570 -11.089032807 0
## 1376 -2.593551e+00 -4.358145495 -1.5175966745 -25.188561338 0
## 1377 -1.419027e+01 1.535100210 0.6146937221 -5.031036421 0
## 1378 -5.071926e+01 -7.019256685 -0.0845240594 15.777575379 1
## 1379 1.755340e+01 -2.105689159 -0.5469395728 15.427001506 0
## 1380 3.939905e+01 10.989791342 0.2673651228 16.483377051 0
## 1381 -1.967750e+01 1.709156719 2.5426554692 -0.533068452 0
## 1382 3.236866e+01 -4.460292869 0.1062496141 3.820863976 1
## 1383 -7.271288e+01 -3.884715812 -0.7161755529 -9.360541008 0
## 1384 9.023151e+00 8.504025515 -0.1070304918 7.508793011 1
## 1385 -1.723029e+01 8.614620530 0.2991375781 8.659068055 1
## 1386 -3.969882e+00 -2.468654163 1.7598389529 3.525993585 1
## 1387 -4.318008e+01 4.057973110 -0.9688505001 9.387735795 0
## 1388 -3.623288e+01 4.937316885 2.1149550631 0.889471843 0
## 1389 -1.186111e+01 -4.609150149 2.6378283810 -0.836321474 0
## 1390 -6.912280e+01 -2.313246953 1.1642922917 -7.447880562 0
## 1391 4.160367e+01 1.177124444 -1.8098953624 -15.704724238 0
## 1392 -3.146820e+01 -4.153664869 -0.8726866720 -4.555554934 1
## 1393 -2.752049e+01 1.994212064 -2.6898732328 2.400082703 1
## 1394 -2.345786e+01 -6.447005209 2.0956694658 -5.489435899 0
## 1395 -2.603659e+01 0.135978275 2.4265919399 7.371967534 1
## 1396 -1.522070e+01 0.700234698 0.6629700665 16.645645210 0
## 1397 1.814031e+01 3.385315571 1.0251764273 7.197709758 1
## 1398 -4.855354e+01 3.663726539 2.1746365410 -16.613707354 0
## 1399 -4.440664e+01 5.500663792 -0.1462393250 -10.243059788 1
## 1400 -5.272177e+01 2.392626463 1.4701484836 -18.332081457 0
## 1401 1.664830e+01 0.255257342 0.7128849996 27.347111831 0
## 1402 3.639749e+01 -12.686258907 -0.6300108956 3.378179002 0
## 1403 5.877814e+01 -9.173272705 -0.4760450094 2.988024490 0
## 1404 5.728491e+01 -6.324200899 -0.2921086113 4.572840074 0
## 1405 -2.413824e+00 10.354249350 0.8883091898 3.761946236 1
## 1406 -1.543094e+01 -3.292475726 2.1803587056 7.339939781 0
## 1407 3.415127e+01 4.596098802 -1.7273415045 11.620154946 0
## 1408 -2.964583e+01 -6.919296805 -2.0493370747 -20.745608119 0
## 1409 -5.022250e+01 -1.206599637 -0.4449868315 -8.630991314 0
## 1410 -3.733973e+01 6.183110395 -1.5708034704 -5.915490414 1
## 1411 -5.336115e+01 -1.983799976 0.1306501039 -14.594226356 0
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## 1413 -3.433754e+00 -2.688896855 -2.9577099549 16.885583039 1
## 1414 4.435114e+01 -3.211737755 -0.2451171471 -0.014259990 0
## 1415 -5.331179e+01 -14.709851972 0.0312046355 -26.603863750 0
## 1416 -2.491363e+01 -5.177519371 -0.2521784653 -12.043997910 0
## 1417 -2.122479e+01 -6.117551734 0.0899749726 -12.963724308 0
## 1418 -6.177651e+01 -1.806940769 -1.0972756680 -14.726979083 0
## 1419 -1.197460e+01 2.405150080 2.5201300227 1.265685400 0
## 1420 -3.214263e+01 6.447071193 -0.5225703702 -7.978285297 0
## 1421 4.135613e+01 -10.116379017 0.3719304993 -7.929267865 0
## 1422 1.582171e+01 -2.446911564 1.1516316173 6.514199863 0
## 1423 -2.371193e+01 1.459565560 -1.2401825231 -23.744896908 0
## 1424 -3.260500e+01 7.687860321 -0.2617626098 -10.520489871 1
## 1425 -3.392103e+01 0.214529033 1.1906989910 -4.410377285 1

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## 1426 -5.578593e+01 -5.268841007 2.0826233487 -5.502092387 1
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## 1428 -2.629750e+01 1.173251718 -0.7336010621 -1.008546710 1
## 1429 -1.572301e+01 -2.333900005 4.9101321264 -14.006966028 0
## 1430 -9.076010e+00 -3.196358272 -1.2676029441 9.263175073 0
## 1431 8.337454e+00 1.861628197 0.8196685147 13.788404248 1
## 1432 -2.415166e+01 0.856212845 3.4549581902 -8.492331538 0
## 1433 6.149226e+01 1.128917459 2.6667099141 29.176359787 1
## 1434 -2.264994e+01 -0.006200233 1.0598786130 -11.686967064 0
## 1435 2.668061e+00 0.099229798 -0.2441884513 10.004257715 0
## 1436 3.484783e+01 -6.159359387 3.0636367705 31.816387654 1
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## 1439 -3.806344e+01 6.422619885 4.3209288674 -6.824814809 0
## 1440 -2.029312e+01 -8.263468452 -2.4537887348 -25.302516776 0
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## 1442 5.582858e+00 7.656227161 -1.2421737195 15.327497053 1
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## 1444 -2.031342e+01 0.166491163 -0.1068006771 -3.795401104 1
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## 1460 -6.920348e+01 -6.569485474 0.1850825197 -27.331496672 0
## 1461 -4.302708e+01 0.076590705 1.1161779356 -3.862203569 0
## 1462 -4.824683e+01 -3.193103906 1.2285524159 -19.159133794 1
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## 1470 4.224188e+00 -0.404144861 0.3591046316 -2.710012398 0
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## 1475 3.591909e+01 -1.578226532 -2.2165664796 3.630028224 0
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## 1477 2.763013e+01 -5.166458917 0.9427030367 20.123380840 1
## 1478 -4.118342e+01 -2.131795627 1.9192540717 1.811051955 0
## 1479 1.893128e+01 3.042261824 1.3120148914 7.102111716 1

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## 1480 2.008651e+01 1.982545949 -0.0930800083 1.544284234 0
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## 1510 -1.013672e+02 4.730241857 -0.1784113222 -20.989632773 1
## 1511 -7.029243e+01 7.662865830 -0.3994007075 -9.794469558 1
## 1512 -1.186956e+01 -5.497681346 1.1399049538 -3.912681175 0
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## 1514 -3.559809e+01 1.807887656 -1.1055016068 9.252169839 1
## 1515 5.161924e+01 7.776308544 -1.4861275967 11.314220244 0
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## 1521 -2.431489e+01 1.514043944 -1.6844438853 -27.580619594 0
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## 1527 -1.903092e+01 5.917079065 -0.8901780226 0.267262000 0
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## 1532 -2.078943e+01 -7.625001796 0.4054041320 6.532523253 0
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## 1534 2.436262e+01 -1.138351217 -1.5278690964 -12.785028924 0
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## 1537 -5.542668e+01 -0.086137185 1.6870496325 -16.072435597 0
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## 1542 -2.309235e+00 -0.222820217 -0.2648145664 7.820280679 1
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## 1544 -1.384069e+01 1.089143739 1.3823683177 18.514400548 0
## 1545 3.875270e+00 0.935306394 -2.6516856965 0.712206340 0
## 1546 -1.230801e+01 9.686030148 -1.6123789431 -8.885983873 0
## 1547 -2.123571e+01 -6.441054300 -2.0422226901 -8.328871003 0
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## 1565 1.246663e+01 0.366188822 -2.9691934370 9.842103905 0
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## 1567 -3.928446e+01 3.295756130 1.4833381407 -12.807138207 0
## 1568 3.047638e+01 -1.233317091 3.7033834879 -9.962445851 1
## 1569 4.154932e+00 1.041395551 0.0695822662 -10.638363617 0
## 1570 -4.652867e+01 -5.096579633 -0.4476127606 -14.448956815 0
## 1571 -6.842041e+01 -2.027613255 -1.8541078879 -15.343787890 1
## 1572 1.676032e+01 -3.645200856 2.2133243664 15.852112304 1
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## 1574 7.389100e+00 2.936045347 1.9137763447 -2.474275196 1
## 1575 -1.705300e+01 8.179153408 -0.6696563843 -4.916646868 0
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## 1577 -3.318892e+01 1.761239321 -0.3466142283 14.164458485 0
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## 1579 1.985196e+01 5.159132623 1.2525100854 -0.930076802 1
## 1580 4.193878e+00 6.440958925 1.1733184424 23.256381524 0
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## 1582 1.789732e+00 1.672199964 -0.3273800201 19.701699119 1
## 1583 6.111986e-01 4.486727752 -3.1971781280 -10.213844626 0
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## 1585 -1.036240e+01 -7.711974256 -1.5411547879 -22.164787136 0
## 1586 -3.074344e+01 -2.211476139 1.7330053624 -16.132529352 0
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## 1588 -4.123644e+01 -3.796122823 2.5108295971 -7.166321633 1
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## 1590 -3.066419e+01 -5.385755695 0.4452359911 9.898977163 1
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## 1602 -3.228938e+00 -6.641758206 0.6553861504 4.734336942 1
## 1603 -4.122532e+01 5.333196222 -1.0765375948 -7.420938089 1
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## 1609 2.572198e+01 0.551408574 0.6920462685 -1.824955792 1
## 1610 1.828069e+00 -0.786987782 1.2488407186 -15.926294401 1
## 1611 -5.573530e+01 -0.155745718 0.5460114989 -10.473450134 0
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## 1616 -1.937480e+01 4.343620778 -2.8660834665 -2.838940204 1
## 1617 1.844835e+01 0.915087017 -1.3676873877 25.508002500 1
## 1618 -4.037802e+01 2.550995343 -3.0235043425 -25.379097027 0
## 1619 6.028914e+00 7.995306666 0.9068148417 14.710762082 0
## 1620 -4.843606e+01 4.656364813 0.1186936756 -6.914008465 0
## 1621 1.210891e+01 -1.032232564 -0.1520155021 -10.521649150 0
## 1622 1.290989e+01 4.302755096 -2.1560116005 12.693525931 0
## 1623 -5.682307e+01 5.238356887 -0.1150128696 -0.483817068 0
## 1624 -2.375593e+00 -0.388608847 1.1722072624 11.900330870 1
## 1625 2.565467e+01 -1.358809105 0.1054645318 11.219396099 0
## 1626 5.590322e+01 -1.780202579 -0.6334702976 16.556854505 1
## 1627 8.506567e+00 -0.226962960 0.4916260382 27.958908801 0
## 1628 -3.088617e+00 0.839648530 -1.2270627742 4.487445761 1
## 1629 2.968630e+01 1.141065241 1.0917604422 15.487071519 0
## 1630 4.473705e+01 -4.997639649 2.4297003935 27.760436059 1
## 1631 -4.477867e+01 -0.246090300 -0.3430129656 -31.549832434 0
## 1632 -1.938464e+01 0.419232436 -0.6830575137 -3.599036529 1
## 1633 1.928642e+01 2.807744297 1.0050193693 27.367670009 0
## 1634 -3.931954e+01 -4.410347435 0.5098550164 3.396171886 0
## 1635 2.009516e+01 0.889496844 1.7254626213 5.687946978 1
## 1636 8.721032e+00 1.967034813 -2.1246661708 -6.113834377 0
## 1637 -5.105959e+00 7.214149494 -1.9789351760 23.025661383 0
## 1638 -2.209350e+01 -0.516638939 0.1799636609 -15.158533902 0
## 1639 -7.145869e+01 -1.421385785 4.1467947709 -20.292966057 0
## 1640 -1.564275e+01 -1.901507292 3.1513299712 6.948048745 1
## 1641 4.237750e+01 8.103215664 -0.1936046097 6.338410794 0

```



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## 1642 4.318367e+01 -6.025010604 0.9407162895 -7.787824227 0
## 1643 5.950155e+01 1.288355707 1.5843983633 26.570044788 0
## 1644 -5.563799e+00 2.905660230 -2.5635704017 15.148672422 0
## 1645 5.011582e+01 10.328417641 -0.5185673983 9.179880556 0
## 1646 7.866452e+01 1.313090839 1.6430457662 24.194160602 0
## 1647 -5.177957e+01 3.176804163 -0.9004787965 -17.168352686 0
## 1648 -7.032147e+00 -4.465055223 -0.6489258874 25.405006230 0
## 1649 -9.957029e+01 0.866820620 1.8976729666 -23.912324861 0
## 1650 -4.817790e+01 -3.676768370 0.5156074025 6.464224261 0
## 1651 -4.606722e+01 0.643315871 1.1677571735 -11.008675215 0
## 1652 -4.474104e+01 -9.130986497 1.1053952734 4.129077077 0
## 1653 1.739331e+01 -1.914315569 -0.2998049556 -7.859499705 0
## 1654 -7.702400e+01 -7.006654858 -1.2855383113 -25.647531875 0
## 1655 -1.992185e+01 -1.384373215 -1.7436414364 3.730905584 1
## 1656 -5.569364e+01 -0.132798474 0.7035899779 -26.551798561 0
## 1657 4.373006e+01 2.682479062 3.6667296090 23.318610843 1
## 1658 1.592090e+01 -2.378844371 -0.5944232406 0.227028994 0
## 1659 5.875831e+01 -3.488435512 2.4928916494 14.068229599 1
## 1660 -3.528329e+01 5.730018966 -2.0427179774 -21.509865088 0
## 1661 7.306824e+01 -4.407092590 -3.6060769033 17.140161059 0
## 1662 -1.867384e+01 -3.020301780 -0.0377002016 7.052465323 0
## 1663 -5.843740e+01 -2.163764750 3.4033480657 -9.038405244 0
## 1664 -1.842354e+01 -5.341885534 -2.4955657269 5.467575919 1
## 1665 -1.404913e+01 -2.797271958 4.1157799870 23.390636973 1
## 1666 3.385232e+01 2.222691139 2.4107963219 15.103772498 1
## 1667 2.017522e+01 -7.013088088 1.1386740011 12.403083397 0
## 1668 -5.302186e+01 5.961298656 -0.2204126591 -3.363674144 0
## 1669 -5.943126e+01 1.254169773 -1.5979701527 1.967922252 1
## 1670 -1.020667e+02 -4.872801290 2.1895809738 -32.432175555 0
## 1671 -3.431991e+01 -2.189818644 -0.8080865552 -13.915443653 1
## 1672 -4.337037e+01 -7.268041025 -0.1239815812 -9.290087614 1
## 1673 2.035856e+01 -1.052216953 0.3592898995 17.941676505 0
## 1674 -1.416094e+01 -4.623786525 -3.0004120060 16.168075194 1
## 1675 -3.688761e+01 3.540067068 1.0009909068 -19.624262414 0
## 1676 3.731933e+01 3.490901822 -0.4470655303 9.014118837 0
## 1677 -3.436892e+01 -2.511171512 -0.2138729088 19.035940227 0
## 1678 -6.856436e+01 7.516699963 -2.2759399479 -38.241251062 0
## 1679 5.656968e+00 -6.284357673 1.2813763390 17.353000749 1
## 1680 -2.574006e+00 -5.407951382 -0.8445546546 -8.274627407 0
## 1681 -4.351508e+01 -7.754760477 -1.2886143916 2.426312496 1
## 1682 6.553730e+00 -2.975624770 2.6270238470 29.898095017 1
## 1683 9.930375e+01 3.614885117 -1.9720287662 23.511914974 0
## 1684 -1.238523e+01 -5.198379386 0.9454516625 2.032430534 1
## 1685 7.262093e+00 -3.614278049 3.2866375617 7.774087707 0
## 1686 -2.103707e+01 -0.360049429 3.4938104235 13.135226148 1
## 1687 -3.691129e+01 -8.707018985 2.6350852359 5.585397442 0
## 1688 1.535764e+01 -2.926638122 1.0963784174 8.894104688 0
## 1689 -1.786532e+01 -3.406300788 -1.5071943571 -8.781090913 0
## 1690 1.860805e+01 6.210772854 -4.1160508972 22.557307881 1
## 1691 -2.278519e+01 -0.375716751 -0.1399569152 -14.901411773 0
## 1692 -3.903928e+01 3.034401145 4.7266050143 5.319461061 0
## 1693 6.900255e+00 4.289446459 2.4201384620 17.009662461 0
## 1694 -4.181868e+01 -10.865601581 -0.2833554608 -0.101447839 0
## 1695 -8.616073e+00 -1.180009329 -1.4788648545 -7.943842721 1

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## 1696 8.817802e+00 -1.813682318 0.7483398349 -5.144480868 0
## 1697 5.361595e+01 -2.691572938 -2.3340912425 -4.055654222 0
## 1698 -1.089757e+00 2.079666926 0.5751520601 15.520998548 0
## 1699 3.395663e+01 4.103373969 1.3079961126 3.106292263 1
## 1700 -4.027276e+01 4.110655937 4.3696554761 -2.243852789 0
## 1701 -7.628298e+01 0.418958166 1.9228610959 -28.653749428 0
## 1702 -3.271084e+00 -0.212774574 1.4486532577 10.390219065 0
## 1703 -6.251318e+01 -0.624318504 2.3930701848 -19.119835988 0
## 1704 1.802486e+01 5.220336946 2.4513561641 11.165279564 0
## 1705 2.738662e+01 3.803754164 -1.3250784497 7.899489742 0
## 1706 1.708294e+01 -3.729579731 -5.6736116277 -20.690766715 0
## 1707 -4.591968e+01 2.444807413 -1.8991414947 -6.681794394 1
## 1708 -2.969242e+01 6.287783947 1.5824931599 -16.274722949 0
## 1709 -2.155897e+01 -11.840507213 -2.8499332374 17.139831401 1
## 1710 -6.093859e+01 1.565159032 -3.5691335966 -6.142535175 1
## 1711 -1.066521e+02 4.023434453 0.5107434145 -34.187141462 0
## 1712 -2.241452e+01 4.434605414 -0.2233654642 -2.646661437 0
## 1713 -1.187217e+01 2.560444515 -0.6163206017 -16.383369848 0
## 1714 -3.818118e+01 -5.967015787 -2.0370718739 4.658884571 1
## 1715 4.443903e+01 -3.726816917 -2.2897751866 11.424870168 0
## 1716 -6.773358e+01 -1.399708542 1.2383986364 -6.788362773 0
## 1717 1.850303e+01 3.806879926 -0.0835955854 -2.388073958 0
## 1718 3.520913e+01 6.709408169 -3.2678560715 0.766480493 0
## 1719 2.070603e+01 7.332802175 1.8929122882 2.230536554 0
## 1720 -3.859260e+00 -8.176553803 -3.8194548642 1.666399141 0
## 1721 -5.943588e+01 -7.574791742 -0.6747817910 -1.985335684 1
## 1722 -3.865342e+01 4.772559655 -1.5272480032 -19.123540194 0
## 1723 -9.420537e+00 3.592717408 -0.6463342333 9.664043537 1
## 1724 1.482639e+01 6.087972961 -5.3179647355 -8.793352940 0
## 1725 1.120075e+01 4.309708375 -2.0734753547 -7.901302980 0
## 1726 1.686456e+01 -1.508627805 -1.9030159531 4.083882906 1
## 1727 -1.675916e+01 2.937362796 4.8806859777 14.748219013 0
## 1728 4.719830e+01 1.155730281 -1.4208267201 10.785434881 0
## 1729 -4.938298e+01 -3.007597189 -1.4271940294 4.732701172 1
## 1730 -3.072915e+01 -2.412518896 1.5037223416 -3.553129086 1
## 1731 6.148233e+01 -2.418255978 -2.2126569360 17.856514698 0
## 1732 -1.750801e+01 4.558668690 0.9091800737 16.502954787 1
## 1733 3.478063e+00 -4.079202550 -2.4984082668 25.533440365 1
## 1734 -4.723448e+01 1.824874569 0.7120615514 -19.788918856 1
## 1735 1.260791e+01 -2.281514325 0.6087743080 -5.988251236 1
## 1736 1.996747e+01 2.407084440 2.2777723841 13.253814807 1
## 1737 -3.325895e+01 5.317199740 1.5793081589 -2.345588659 0
## 1738 -2.590162e+00 6.909666411 1.9435277057 -0.783331139 0
## 1739 -1.603549e+01 -10.413540269 0.4379017008 25.716862235 0
## 1740 2.578550e+01 -0.257008974 2.1534904651 12.856765739 1
## 1741 -3.321168e+01 -3.244683603 2.7552265733 -3.368909391 0
## 1742 -1.068675e+01 -7.319049277 -3.6255744875 27.036038310 1
## 1743 -5.877622e+00 -1.629382517 -3.3417749304 -22.149591840 0
## 1744 7.571878e+01 1.321570219 3.4799359377 -1.245647167 1
## 1745 2.317334e+01 -0.411425675 1.5176182356 6.672832405 1
## 1746 4.168048e+01 2.567071890 1.9363321513 -4.614589860 1
## 1747 9.197916e+01 7.505873637 -3.5324974570 24.948015199 0
## 1748 -1.184575e+00 2.165874130 0.9396707326 -2.229279517 0
## 1749 -5.053413e+01 -0.260727523 0.5131848337 -0.606988955 0

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## 1750 -8.071278e-02 -5.463404419 0.2458424909 10.911482840 1
## 1751 -1.905612e+01 5.772745227 2.5016817692 9.795096481 1
## 1752 8.846024e+01 -2.399920371 4.7248590318 33.811073373 1
## 1753 3.552390e+01 -2.808340068 2.1787211441 9.621987247 1
## 1754 4.692965e+00 -0.364155758 -0.0974583418 -7.816931899 0
## 1755 -4.757728e+00 6.889014752 -2.5410044634 21.500774147 0
## 1756 -4.608514e+01 4.963288908 -0.0064604242 10.617517666 1
## 1757 -2.667191e+01 -4.530294427 -1.2054315524 -17.283730544 0
## 1758 -1.551528e+01 8.046908843 1.7935126028 -20.601954157 0
## 1759 -5.816767e+01 0.708369370 -1.6627700981 -33.553916247 0
## 1760 -1.341068e+01 3.504587866 -0.1669987790 1.908223860 1
## 1761 -5.905822e+01 2.277252214 1.6528396925 -11.778425716 0
## 1762 -3.926475e+01 3.127833808 0.6956286404 5.450377925 1
## 1763 1.884534e+01 -5.098855693 -1.8198028676 -0.470816124 0
## 1764 -3.713605e+01 1.208620772 -0.6192465083 -11.463836038 0
## 1765 -6.947951e+01 -0.645880091 -2.3147706767 18.366123266 1
## 1766 9.605355e+00 2.475885466 -0.3677826024 15.194077326 0
## 1767 -5.573568e-01 -0.164428949 -0.6895213973 -6.776880491 0
## 1768 1.798915e+01 -2.190338726 3.3371120944 22.764608993 0
## 1769 -5.465669e+01 2.172507229 1.9122551559 -27.579036160 1
## 1770 1.098683e+01 -1.987696695 0.8387551123 3.374616818 1
## 1771 1.122830e+01 2.321010610 4.1817178149 3.851725944 1
## 1772 -4.023458e+01 10.828983314 1.4506511200 -0.086907946 0
## 1773 2.119858e+01 -4.417002119 0.0079370696 8.517104694 0
## 1774 -2.239946e+00 1.154314478 -0.5618228632 -3.251625108 1
## 1775 -1.993464e+01 -0.157279574 2.5942604593 30.697616753 0
## 1776 9.289323e+00 -4.003229851 1.3133594252 17.397089127 0
## 1777 -8.436428e-01 -0.553186463 -1.2061756963 24.565844509 1
## 1778 -3.419004e+01 -6.344133378 -4.6813051163 13.846611730 1
## 1779 -4.055196e+01 3.638041574 0.7816280554 -10.736893731 0
## 1780 1.431473e+01 -2.939916147 -3.6971784688 -4.233078690 0
## 1781 -5.979686e+00 -1.493996200 2.3355180692 14.365218857 0
## 1782 -9.041456e-01 -1.153175939 1.1891864544 -1.503177841 0
## 1783 3.429163e+01 -1.017856894 2.6058366431 14.537955485 1
## 1784 4.444125e+01 0.769804638 1.0593157092 0.306271872 0
## 1785 -3.237805e+01 1.594021965 -0.6515353702 5.696725054 1
## 1786 -2.307777e+01 1.144758756 0.4617223242 15.020113985 0
## 1787 -1.438552e+02 -4.029508317 1.6348224785 -38.626988714 0
## 1788 -8.755216e+00 0.035180128 -0.2272400354 10.889913712 1
## 1789 1.091779e+01 -6.866358719 1.7815373371 -2.264289575 0
## 1790 -6.592708e+01 0.850349589 -1.9145655234 -17.874618193 1
## 1791 -5.522362e+01 4.616035678 0.1504871140 -3.146381225 1
## 1792 -3.759503e+01 -5.385135087 1.4284042006 -11.713307557 0
## 1793 -7.186268e+00 -3.513255869 -0.8906860553 -23.273160876 0
## 1794 -6.142202e+00 9.328267669 1.2714448570 3.351817636 0
## 1795 -5.712763e+01 -1.435829245 -0.0773291888 -14.692659848 0
## 1796 -7.609081e+00 7.249313798 1.9326279679 11.459726471 0
## 1797 -3.802147e+01 -6.213856259 0.0099405213 10.244158801 1
## 1798 6.386531e-01 -7.354090201 -3.3238204167 -9.035992870 0
## 1799 -5.871443e+00 -5.269335096 1.1497224556 30.763137494 1
## 1800 -3.190925e+01 -2.350480710 0.0112655766 -2.064255452 0
## 1801 1.105717e+01 -5.849006945 3.1275163810 3.361047275 1
## 1802 -6.088429e+00 6.954900042 -2.3687516382 -19.573106695 1
## 1803 -1.121494e+01 -2.584474024 -1.6005920341 -6.052305448 1

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## 1804 -5.738752e+01 -2.202707868 2.3784258280 8.530792137 0
## 1805 -3.952991e+01 3.978244478 -0.2351073387 6.295651357 1
## 1806 -6.984317e+00 -2.765450433 -0.3878052309 -13.468951913 0
## 1807 -9.145161e+00 -2.858877969 -2.1777807106 -6.862519530 0
## 1808 1.716513e+01 -4.925643602 -1.2504145865 1.089800983 0
## 1809 3.107159e+01 0.219558448 -3.6276283291 -6.350335485 0
## 1810 1.624852e+01 4.117663020 -1.3688837491 -11.315244419 0
## 1811 6.755657e+01 -2.145515332 1.1851635488 7.825010836 0
## 1812 2.759543e+01 1.575060631 1.4860887945 -15.681605201 0
## 1813 2.314642e+01 -9.352454176 -0.5930094864 -19.868049955 0
## 1814 -3.392985e+01 2.585813221 -1.5308187515 -19.078613996 1
## 1815 4.231011e+01 -8.447733887 0.3482494873 7.707802847 0
## 1816 3.053355e+01 5.740013995 -1.1146669257 -0.459002931 0
## 1817 8.206650e+01 5.219889643 -3.2151329127 14.432890264 0
## 1818 -1.587408e+01 0.496637302 -0.6697570715 6.478017885 0
## 1819 3.937883e+00 0.023348130 -3.0784568474 13.692812074 1
## 1820 -4.057551e+01 -1.166868606 1.9527758302 2.345486884 0
## 1821 -2.320405e+01 8.549349882 0.2273173214 0.148703233 1
## 1822 -3.294240e+01 -6.053796571 3.0756251809 11.351732561 0
## 1823 -4.035309e+01 7.796274973 0.6848991612 6.995387854 0
## 1824 2.121710e+01 -1.534112967 -3.4168347036 -28.139539355 0
## 1825 2.270508e+01 -2.247304840 -1.8877715434 0.538887424 0
## 1826 -1.890704e+01 1.069374973 0.7545629176 -12.744394449 0
## 1827 -4.383018e+01 1.214371158 -2.6822670376 -21.845992851 1
## 1828 6.288263e+01 -9.659217274 -4.2679170836 13.752301968 0
## 1829 2.415414e+01 6.850319857 0.0165678482 10.506591269 0
## 1830 -4.240293e+01 -2.538070765 0.9324561814 19.063856250 0
## 1831 -2.554474e+01 -6.371143351 -0.8341955480 2.000318813 0
## 1832 -7.585067e+00 11.508632844 2.0766710069 20.873757985 1
## 1833 2.613799e+00 9.313054943 1.3223555949 21.200672261 0
## 1834 6.135438e+01 0.412814126 1.1516599845 16.488590671 0
## 1835 -9.729945e+01 -0.497723796 3.2011351534 -17.530068175 0
## 1836 -4.880682e+01 -1.722367846 1.4886389851 -2.024422122 1
## 1837 -2.974086e+01 2.316081981 -0.2517288777 -10.414719022 1
## 1838 6.768701e+01 -4.040459823 -1.8712658733 4.500161610 0
## 1839 -8.962160e+00 -2.550369348 -1.4761381574 11.468600252 1
## 1840 -4.447521e+01 -6.057221505 0.6174117276 -1.227282390 1
## 1841 -1.010521e-01 3.256211231 -0.5972501338 0.157601107 0
## 1842 4.176306e+01 -2.180454288 -1.5399217606 3.916479940 0
## 1843 -3.399703e+01 0.169361175 1.1243214787 -10.618776553 0
## 1844 7.102022e+00 -0.335312047 1.1210916394 3.120448073 1
## 1845 -5.684855e+01 -0.957326699 -0.4637206169 -6.361430003 1
## 1846 -1.040610e+00 -0.453555766 3.3973367662 28.341895782 0
## 1847 3.125043e+01 5.146533862 -5.4517691531 20.926648231 1
## 1848 7.890483e+00 -0.990638379 0.8757073945 13.902745700 0
## 1849 -2.043265e+01 -1.326810972 -2.2793894030 4.828782289 1
## 1850 -1.792791e+01 4.103868264 -1.9151998244 0.288473784 1
## 1851 -2.501495e+01 8.129260003 0.3306541685 -24.187835810 1
## 1852 -3.786119e+00 3.500606742 -1.7082048186 -10.270553235 1
## 1853 4.742456e+01 1.874305996 0.3665211000 23.302881018 1
## 1854 6.782616e+01 9.334604280 -1.6143086753 16.861696485 0
## 1855 -5.241894e+01 -8.638710061 0.1896392083 -25.472058285 0
## 1856 -3.989319e+01 8.834857316 0.0587788106 -18.507180763 0
## 1857 -2.912541e+01 -3.025041465 0.7646588060 7.502940109 0

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## 1858 -2.943716e+01  2.805394264 -1.6083587893 -12.478810075 1
## 1859 -3.740410e+01 -1.249826555  1.5247373559 -21.064335257 0
## 1860 -1.600197e+01 -3.410632112 -1.6936362582 -7.758453339 0
## 1861 -2.335024e+01  2.181591181  4.6658553019  6.411521745 0
## 1862  1.048816e+01 -0.020046490  0.5953899278 -8.474467600 0
## 1863 -6.688922e+01 -3.933988397  1.7442832283 -11.112501974 0
## 1864  4.961000e+00  1.871277364  0.9920955685  3.288378730 0
## 1865  1.245242e+01  3.598835734  0.3772580422 -1.577115790 0
## 1866 -3.330835e+01 -1.445185582  1.1707440240  0.713175343 0
## 1867 -3.824088e+01 -0.086135492  0.4459700422 -6.481949125 0
## 1868 -5.993878e+01 -6.047059875  0.4761137830 -17.757125087 1
## 1869  6.388717e+00  5.268541838  2.3032713289 11.893523879 1
## 1870 -5.054337e+01 -0.964553526  0.6919329702 17.086694940 0
## 1871  1.052009e+01  1.649597839 -1.7112316533 10.405237350 1
## 1872 -5.263097e+01  0.464340939 -1.1023555450 -25.439810681 1
## 1873  3.919987e+01  3.917012033  2.3722173058 -19.351230720 1
## 1874 -7.959581e+00  3.789614261 -0.1145776987 10.853159832 1
## 1875 -8.849346e+01 -0.594537321  5.8090196413 -12.063991003 0
## 1876  3.219594e+01 -1.526296960 -1.7686568606  5.234786071 0
## 1877 -5.026983e+01  1.997663237 -2.9367215517 -17.056605247 1
## 1878 -4.523850e+01 -3.652176905  1.0464191758 -11.339188546 0
## 1879  1.648767e+01 -8.548924887 -0.1768619399 -0.123513253 0
## 1880 -5.462650e+01  5.733652677  0.1689996972 -17.948822868 0
## 1881 -1.180969e+01 -2.425643953 -0.0674820571 10.037783872 1
## 1882 -4.260008e+01  0.529132612 -0.8080644827 -0.382458279 0
## 1883  5.985059e+00 -3.383802204 -1.0158920664 -2.908178236 1
## 1884 -2.820954e+00  3.169845305  1.8488482279 12.183632875 1
## 1885 -6.172594e+01  4.155099206  1.3922602632 -11.141887990 0
## 1886  5.748324e+01  5.972651728  3.2496842212 22.047446766 1
## 1887  3.119720e+01  2.756730565 -1.3925276566 14.952454220 1
## 1888 -2.103056e+01 -5.069433692  1.9340177446 17.974124524 1
## 1889  1.340905e+00  5.849212414 -3.8306020359 -9.114712370 0
## 1890  3.797214e+01  5.954887189 -1.0513413364 12.579619920 0
## 1891 -1.036903e+01 -2.060525416 -2.1658099960  7.949831309 1
## 1892  6.172417e+01  3.625674106 -0.9285195656  8.160804565 0
## 1893  4.801974e+01  6.009644520  2.7643819997 16.388251186 1
## 1894 -4.764850e+01 -12.893999480 -5.0338854388 -28.094937887 0
## 1895 -1.685901e+01 -4.270364581 -1.8065182232 21.425295674 1
## 1896 -6.073081e+01  0.643937885  2.1302172793 -11.264411713 0
## 1897 -3.228602e+00  2.216387388 -0.9261793407 -22.111642767 0
## 1898 -1.214557e+01  3.952568318  2.5101399793 -9.810780856 0
## 1899 -4.144083e+01  0.639945132  1.5451926889  0.566555000 0
## 1900 -4.667313e+00  5.483154431  1.4623790755  3.939814882 0
## 1901 -4.718916e+01 -3.864871974  0.3451946002 -8.471819290 0
## 1902 -1.329505e+01 -4.388260373  1.4036062135  8.695204539 1
## 1903 -7.411163e+01 -0.396418067  0.7677092079 -22.886764418 0
## 1904 -5.324486e+01  8.911200175  0.4527770709 -23.643966298 0
## 1905 -8.459247e+00 -2.686844665  2.3535404101 -1.580445647 1
## 1906 -7.095931e+01 -10.326099504 -0.5787587207 -22.499411708 0
## 1907 -1.460888e+01  0.501077709  2.0287384634 14.782328874 0
## 1908  1.384206e+01  0.580180696 -1.2413488146 15.455938998 0
## 1909 -5.500344e+00  6.706854240  2.0184415577  8.574663700 1
## 1910 -2.180773e+01 -1.222992079 -0.3722230452 -12.439659143 0
## 1911  8.596922e+00  2.690986252 -1.9381938642 -25.725439899 0

```

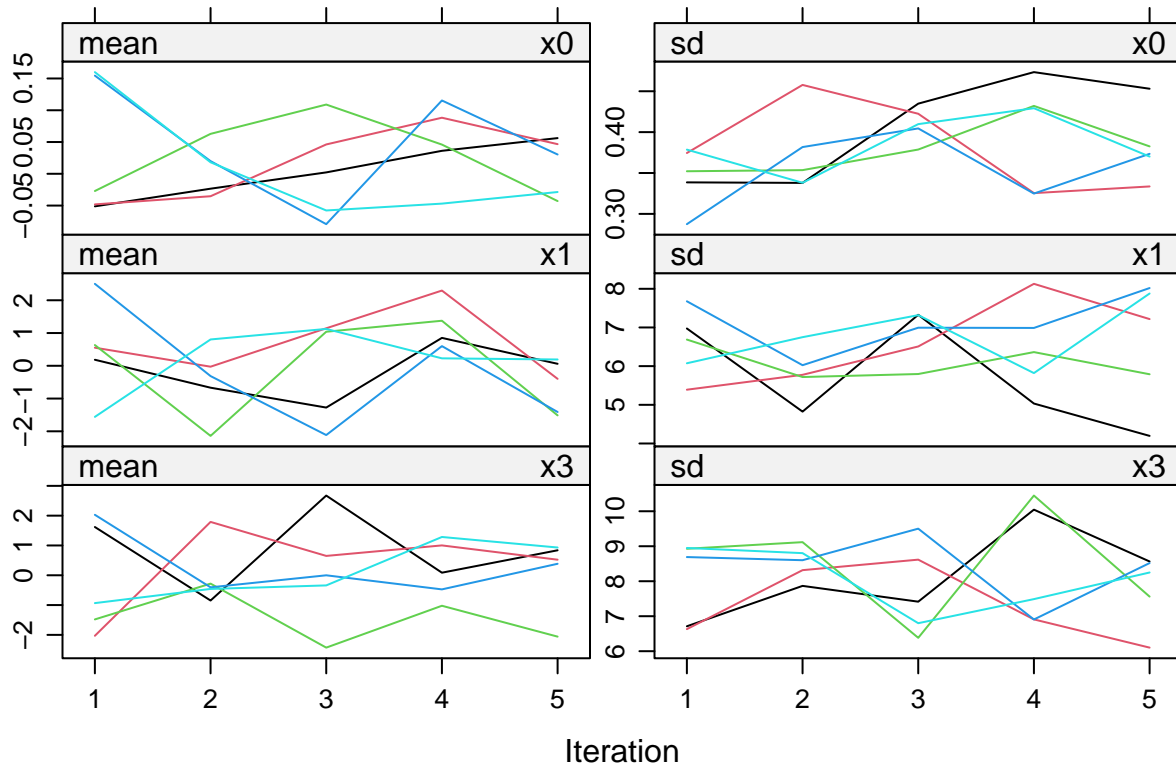
```

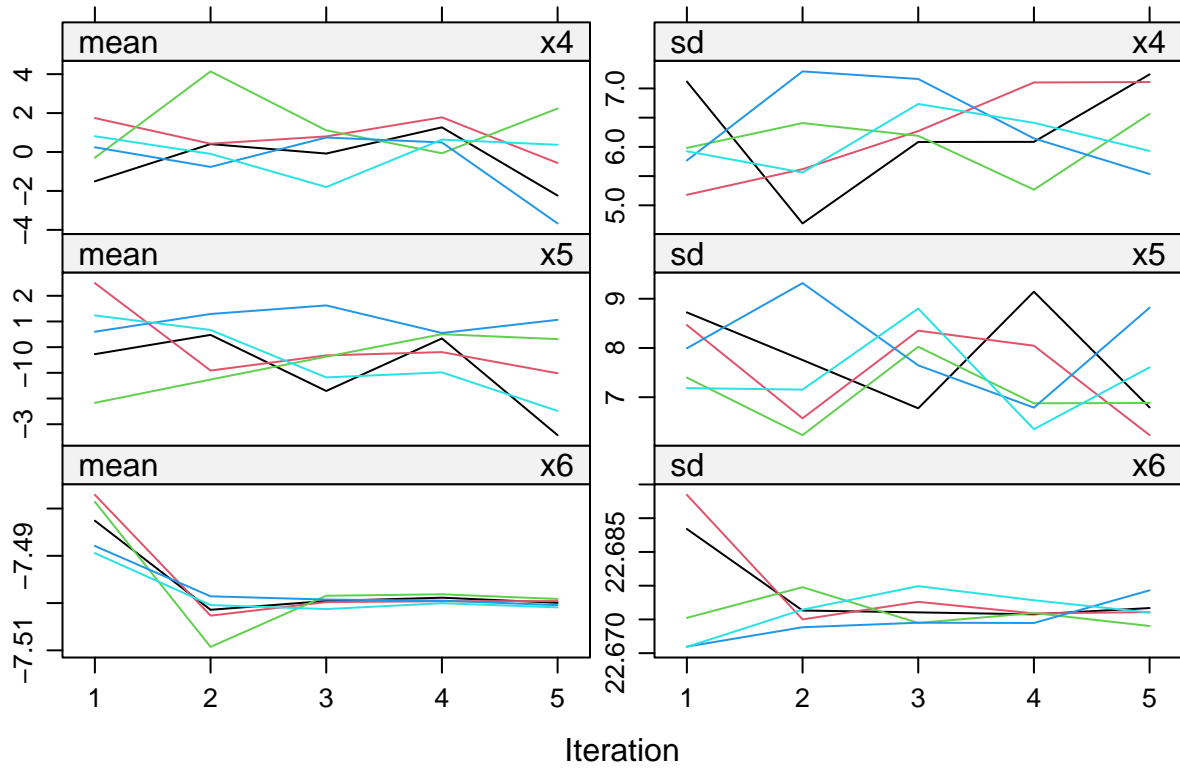
## 1912  2.872686e+01  2.483199023  0.9246009836  4.270770035  1
## 1913  6.100727e+00 -1.200248135 -2.2909354313  11.384446230  1
## 1914  4.881941e+01 -1.807727028 -0.8987424149  8.677405371  0
## 1915 -3.708214e+01  0.393613953  1.9844346486 -8.590820139  0
## 1916 -2.580192e+01 -1.464737032 -0.7755472233  14.613786991  0
## 1917 -3.900417e+01  2.177910476  0.0375430067 -24.155796104  0
## 1918 -5.387789e+01 -0.340257929  5.1517264314 -11.976904431  0
## 1919 -4.623338e+01 -4.107653534 -2.1786565561  12.037022615  1
## 1920 -1.836425e+01  1.953263266 -1.3071026841 -10.113427617  0
## 1921  1.533648e+01 -3.936713368  1.1747995919  18.018689526  0
## 1922 -7.717418e+01  3.156469529 -0.9768792481 -17.867370126  1
## 1923 -6.996711e+01 -5.930251887 -0.4993166747 -24.084166903  1
## 1924 -8.861834e+01  3.898849957  1.1213835740 -31.955311508  0
## 1925  1.500435e+01  6.221285993 -2.5257182603 -7.272781721  0
## 1926  1.519033e+01 -0.697438256  0.7407370550  8.814958751  1
## 1927  7.841114e+01  3.926820214 -2.8493196440  8.257609856  0
## 1928  2.545336e+01 -6.060615631 -3.8502516409  0.409449392  0
## 1929 -2.181280e+01  8.981836908 -0.5721779536 -4.800610770  0
## 1930  3.013233e+01 -6.175937703 -3.0850212037  4.360328744  1
## 1931 -1.036408e+01 -3.897295183 -0.6812263647 -26.020243823  0
## 1932 -1.147893e+02 -3.075753224  2.3643883573 -26.231769163  1
## 1933 -5.218524e+01  4.575708703 -2.4108795744 -5.273430902  1
## 1934 -2.208918e+01  0.597992525  0.3568522721 -2.202522852  0
## 1935  1.614217e+01 -5.155610705 -0.5480873795  24.890012939  1
## 1936 -3.145387e+00 -3.459115233 -1.0319981789 -3.360414121  0
## 1937  3.513497e+01 -4.390553390  1.1021214020  11.414354549  0
## 1938  2.635007e+01 -1.877378202 -0.7927320399  10.909643874  0
## 1939 -5.290854e+00  0.641393888  2.1034570436 -0.239986196  0
## 1940  2.483509e+01 -3.977917701  1.2700275071  17.202994907  1
## 1941 -6.203836e+01  1.908188010  0.5259075101 -13.290048031  0
## 1942 -2.539612e+01  1.217533861 -1.8929106659  4.126016415  1
## 1943 -6.761489e+01  5.981400885 -2.7410867397 -15.372894792  0
## 1944  4.518077e+01  3.556870877 -0.4920876514  3.878309292  1
## 1945 -1.941193e+01  7.011292654 -1.3388372588  5.418920292  1
## 1946  1.163009e+01  2.037758799  1.2905869634  17.098499426  1
## 1947 -1.061757e+02  6.654317065 -0.1086882974 -32.524590380  0
## 1948  3.577848e+01 -4.107575439  2.3174089250  19.654750316  0
## 1949 -1.772026e+01  2.309151524 -2.2322795076  13.317760912  1
## 1950 -7.299212e+00 -1.803816077  0.3731524397  7.780971047  0
## 1951 -2.401814e+01 -8.420216268 -1.3952002005 -25.848865173  0
## 1952  7.025687e-01 -0.109933371  2.3183906154  19.845283547  1
## 1953  3.096387e+00 -1.883032722 -2.2940749646 -10.139277951  0
## 1954  3.356407e+01 -6.457284860 -2.7535237335 -23.696504553  0
## 1955  4.013024e+01  5.909018848 -0.6681177653 -11.631659997  0
## 1956  4.250446e+01  0.754091341  1.3081973473  4.809222162  1
## 1957 -7.192581e+01  3.319015420  1.5490707119 -8.253256303  0
## 1958  1.900350e+01  5.499884522  1.8519208779  30.087238489  1
## 1959 -1.128512e+01 -4.927882199 -1.5254369283  3.443904770  1
## 1960 -2.824780e+01 -0.549099003  3.4513621385  9.312602334  0
## [ reached 'max' / getOption("max.print") -- omitted 158040 rows ]

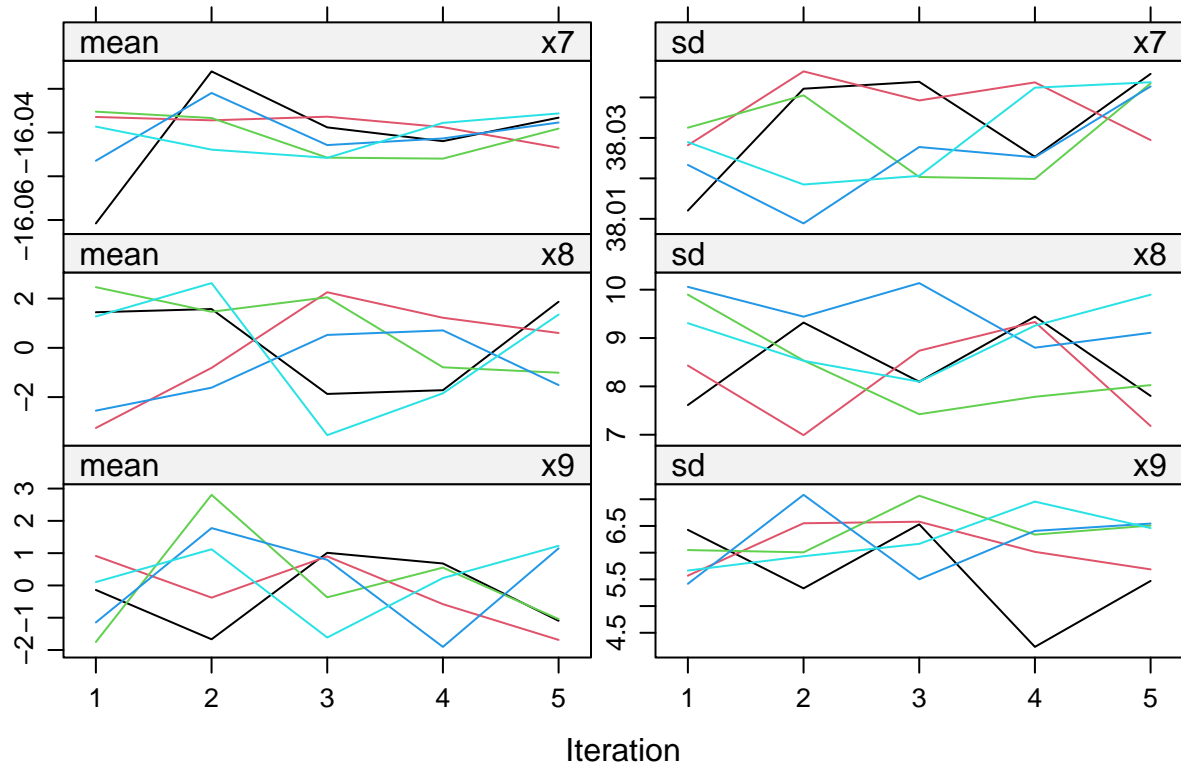
```

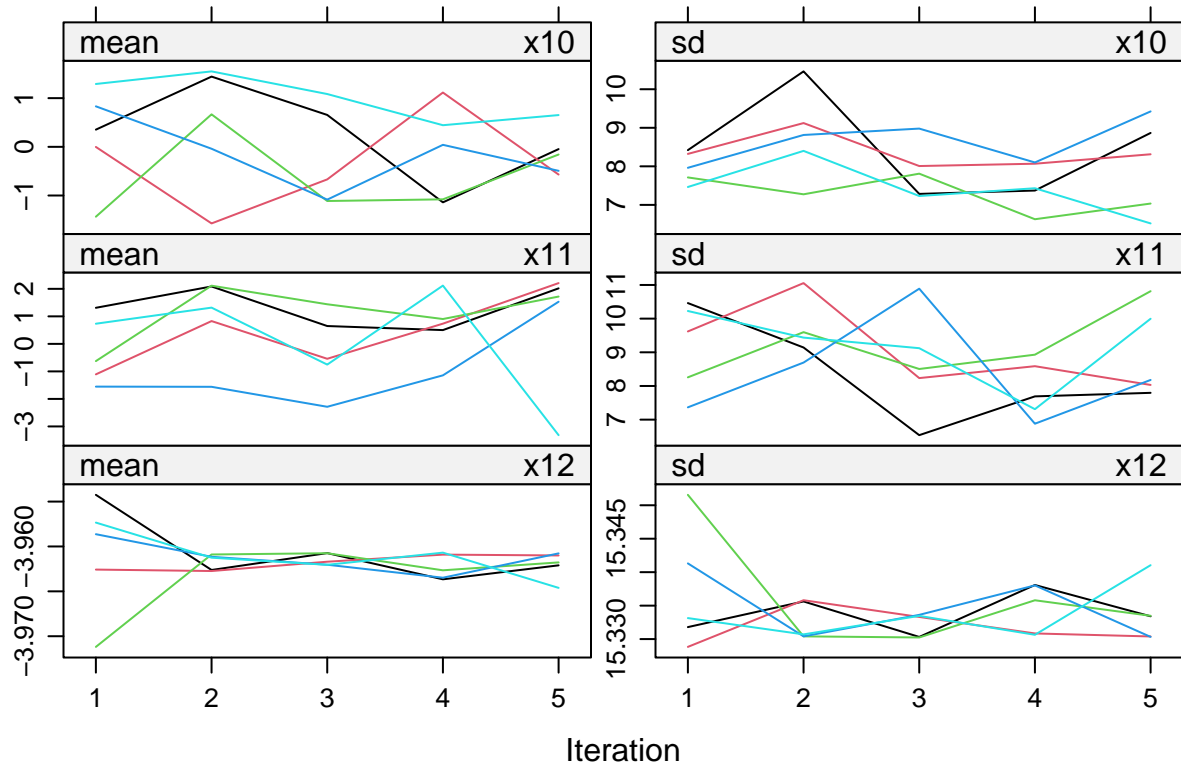
The key data issue that needs to be addressed is the missing data. As previously noted there are 1466 missing values across the data set. It seems that the data is missing at random. This missing data approach provides flexibility in that missing data can be excluded from the observations without dramatic impact.

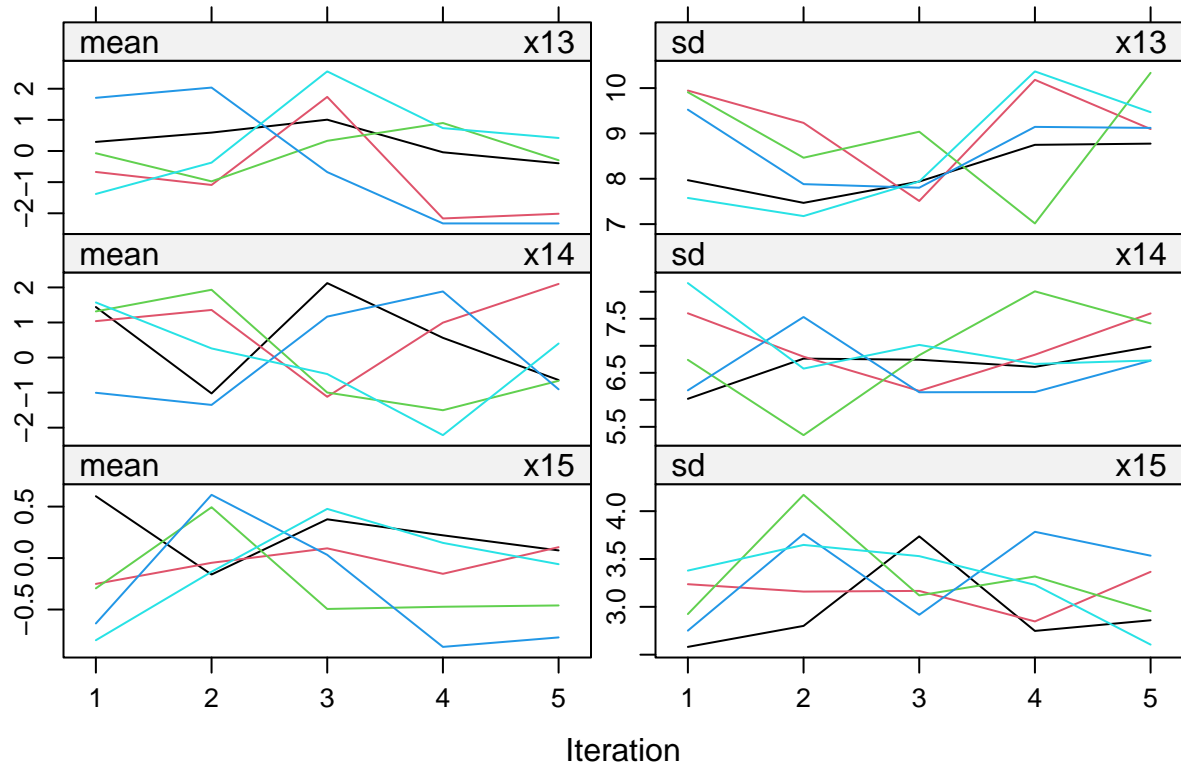
This missing data represents only 1% of the overall data set. However, to ensure as much data as possible is maintained an imputation attempt will be executed on the missing data. The plots below show the results of the imputation and show that there is less missing data in the data set. A couple of variables, x2 and x41, still maintain some missing data. Given the 1% impact, the final step will be to remove the missing data. Further investigation may be needed once a production model is chosen to build out the imputation of these specific variables.

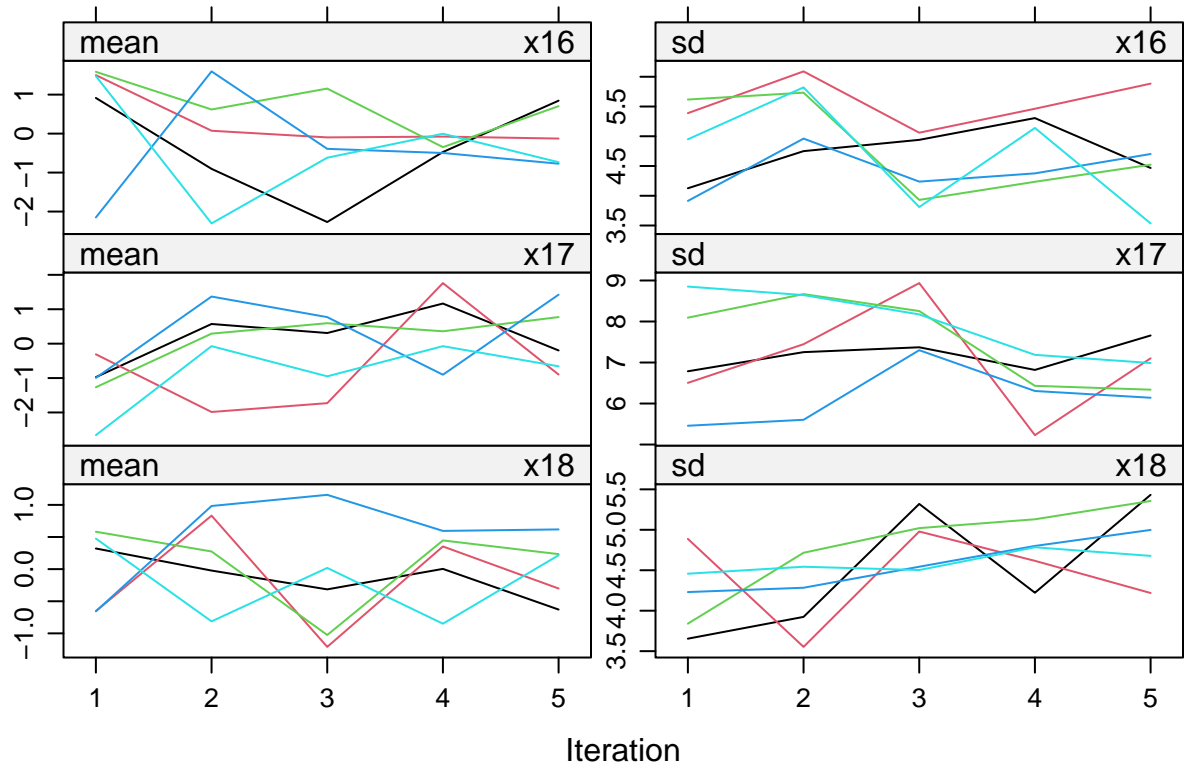


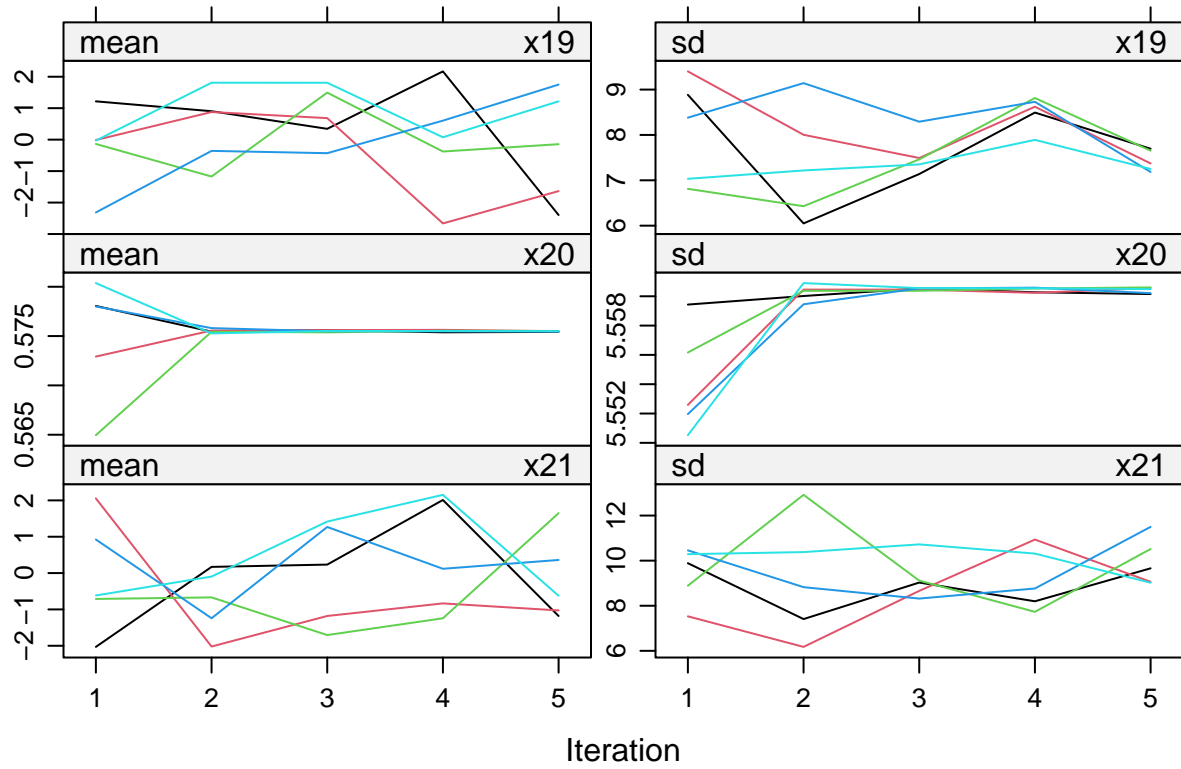


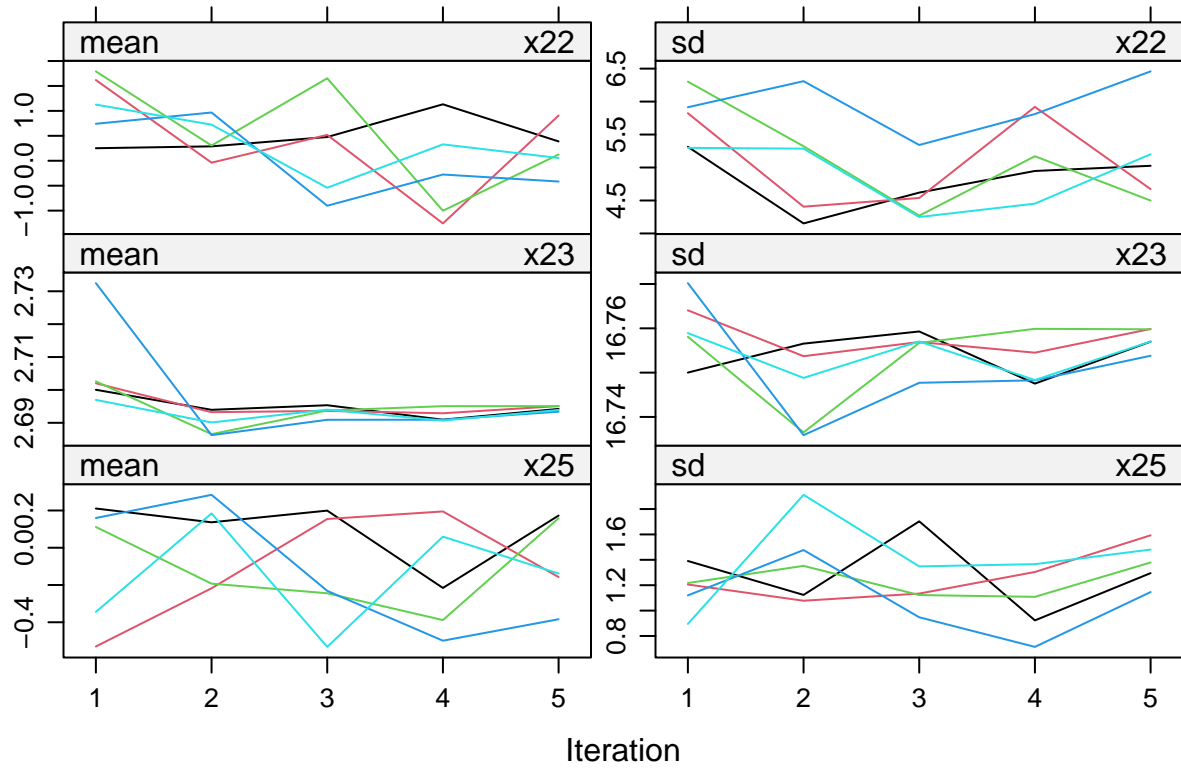


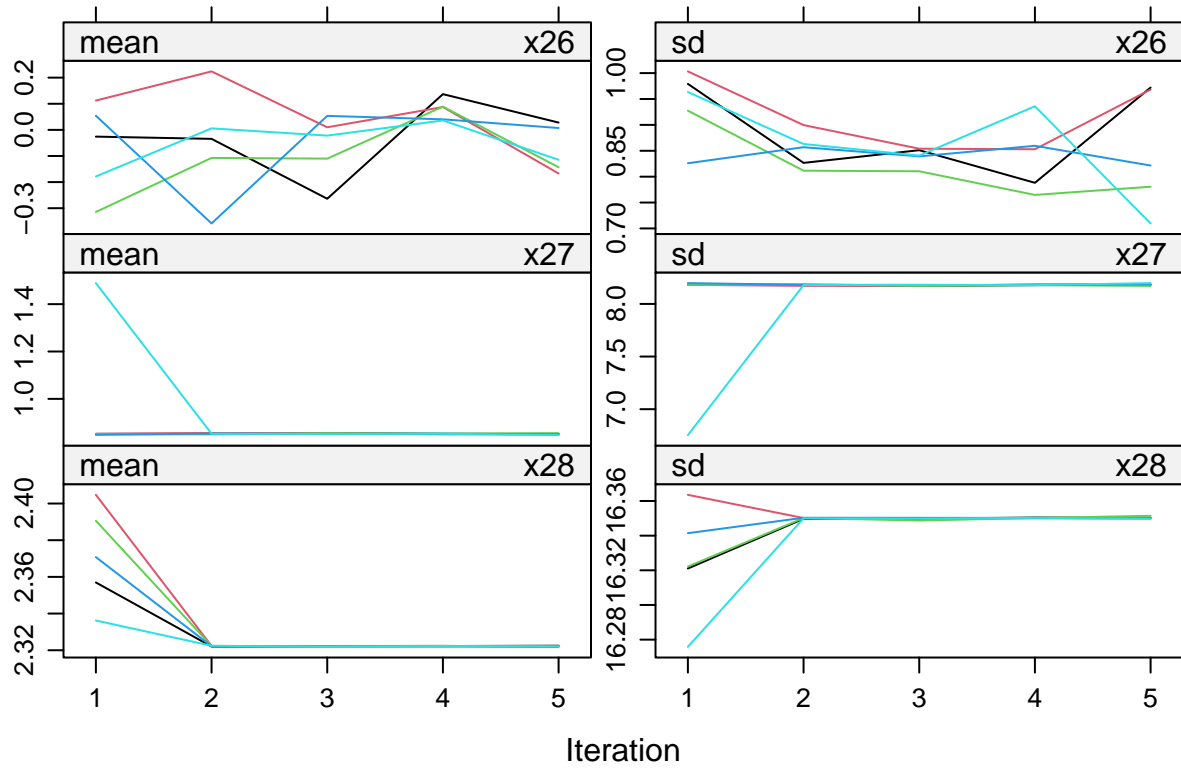


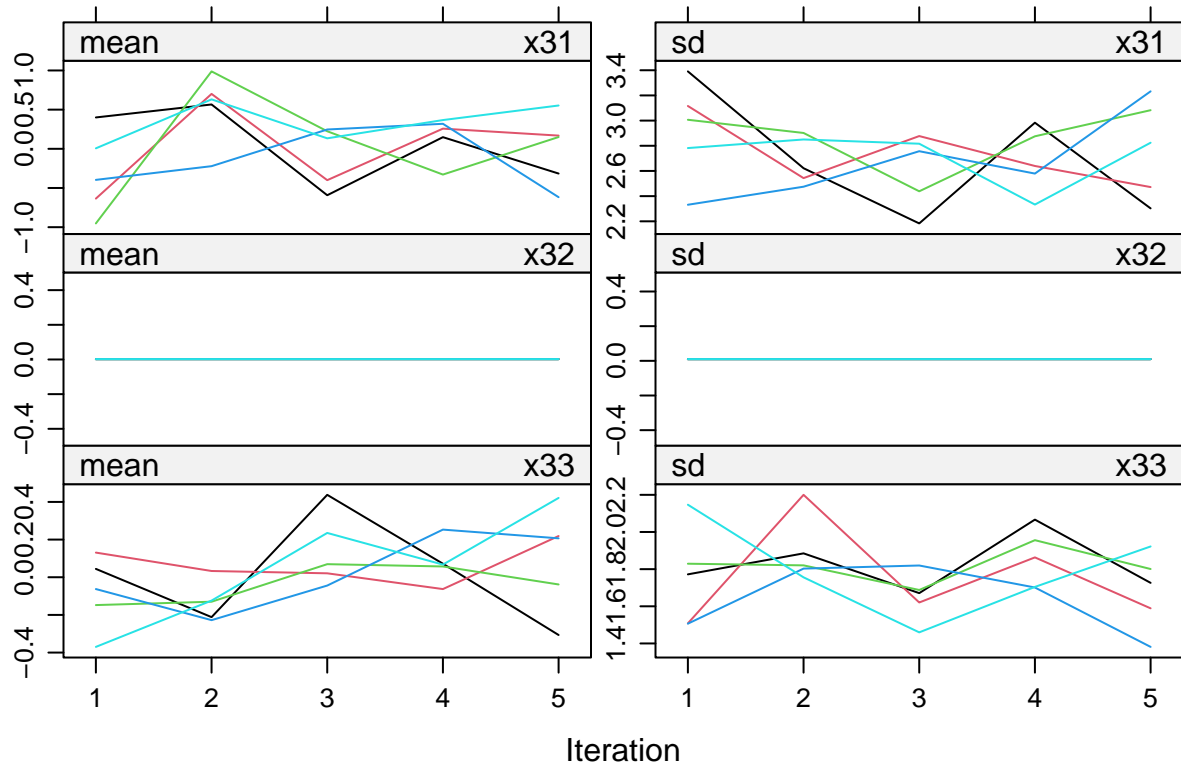


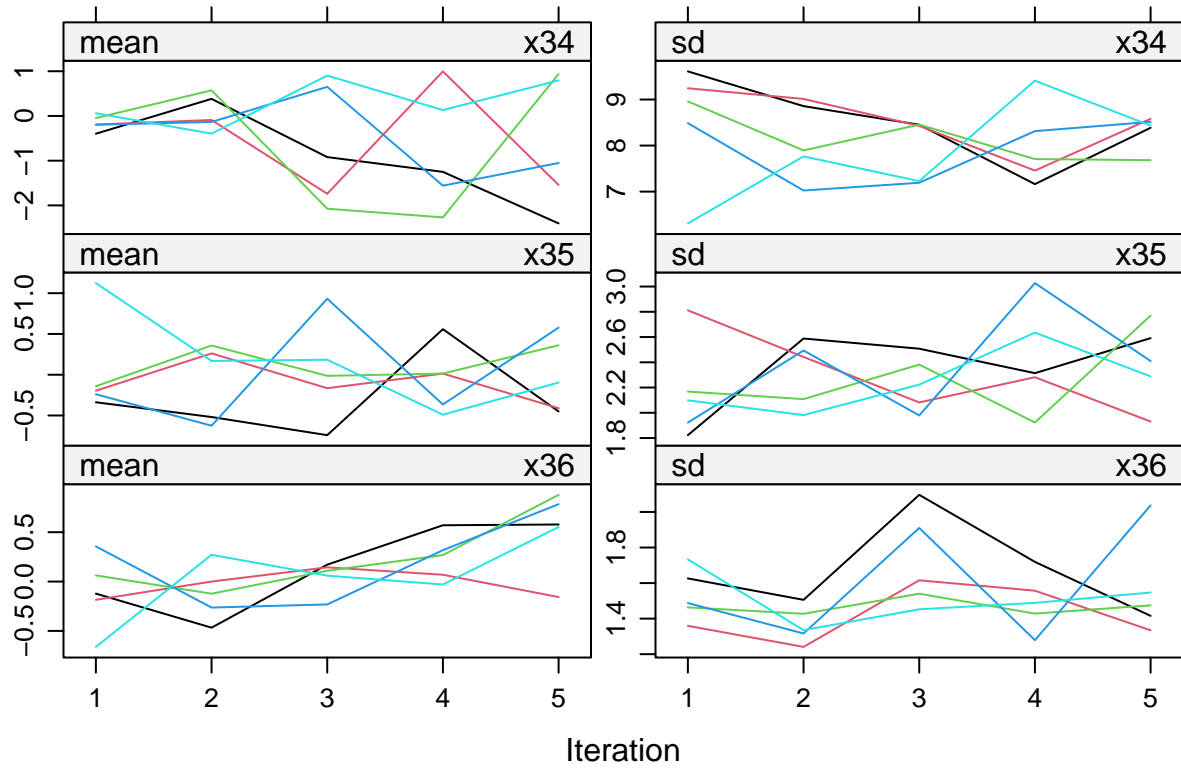


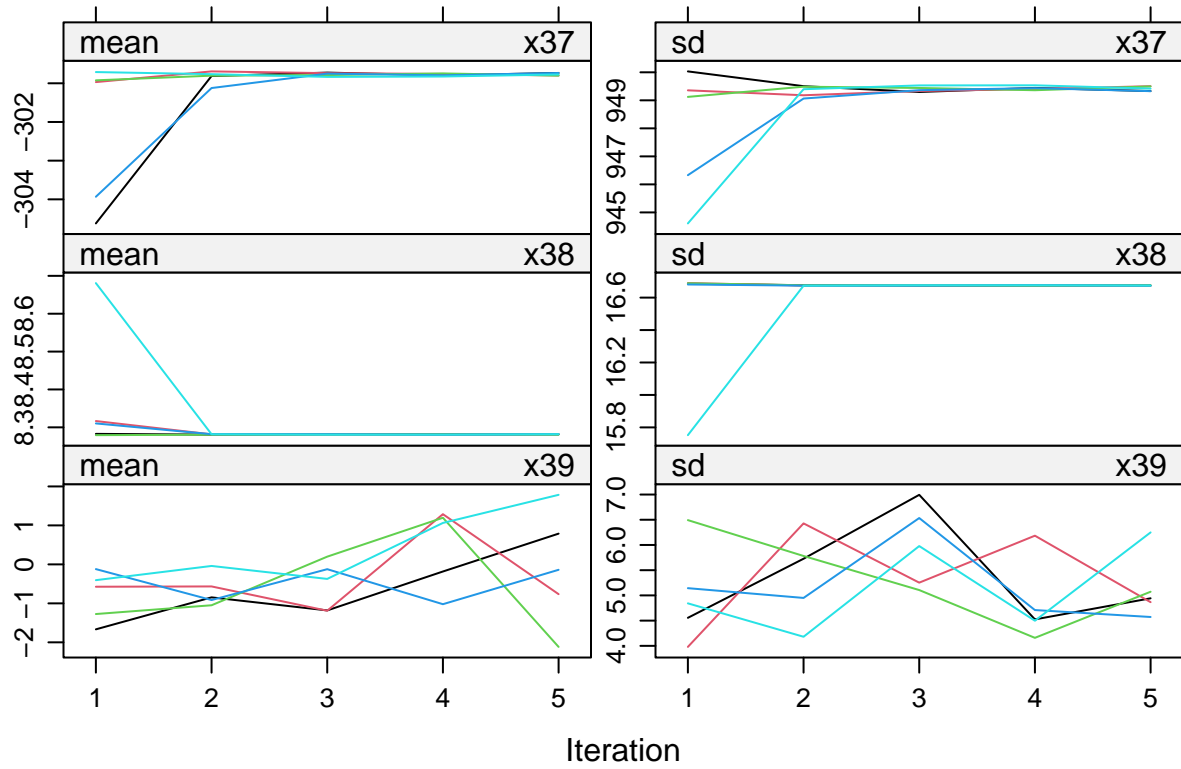


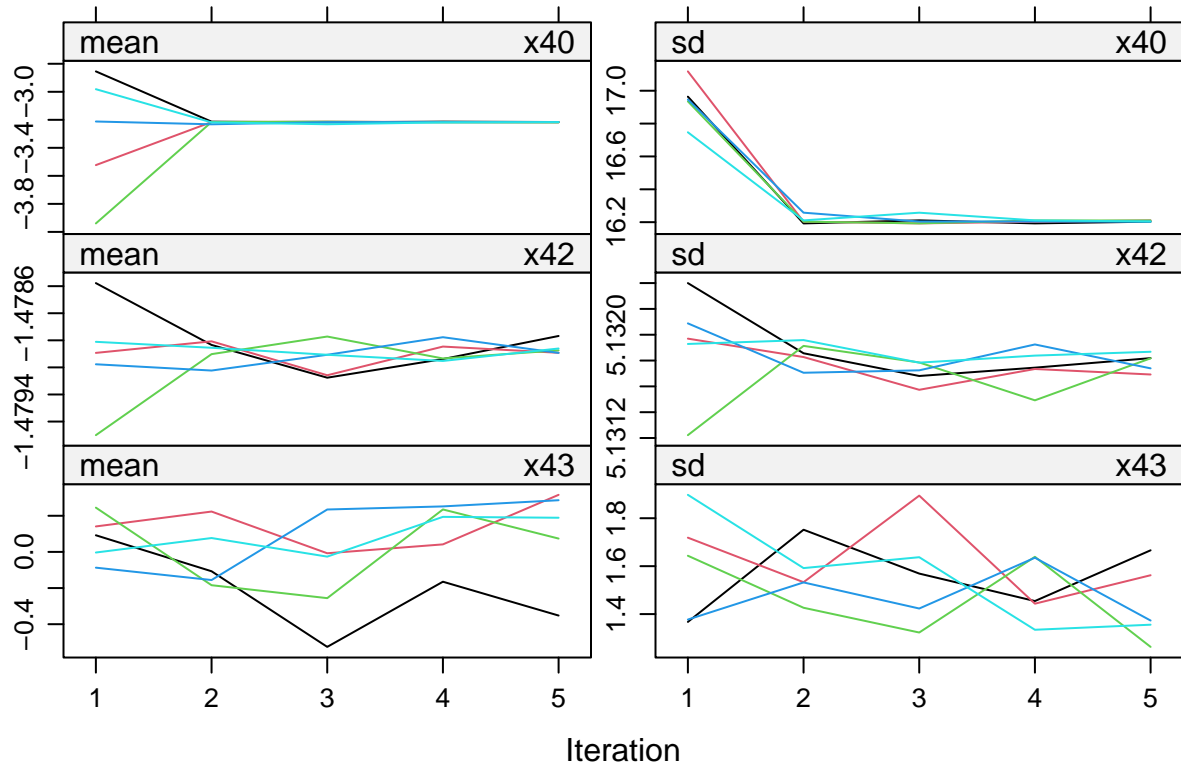


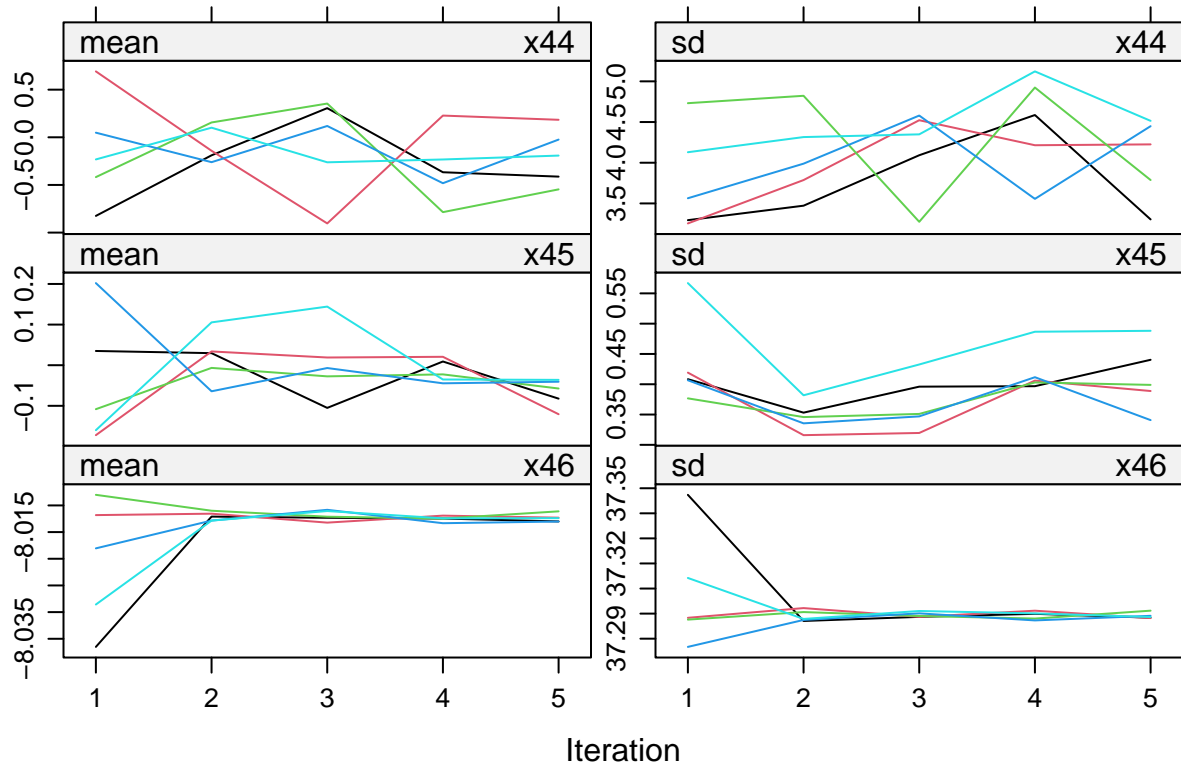


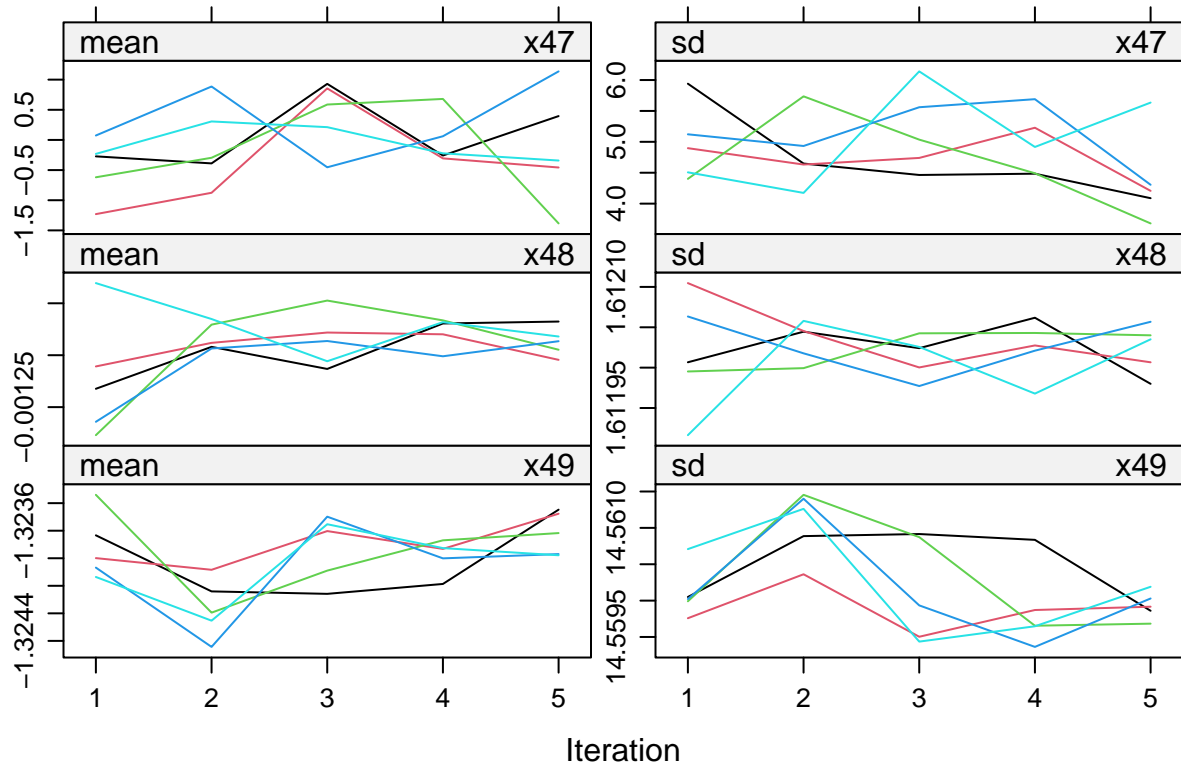






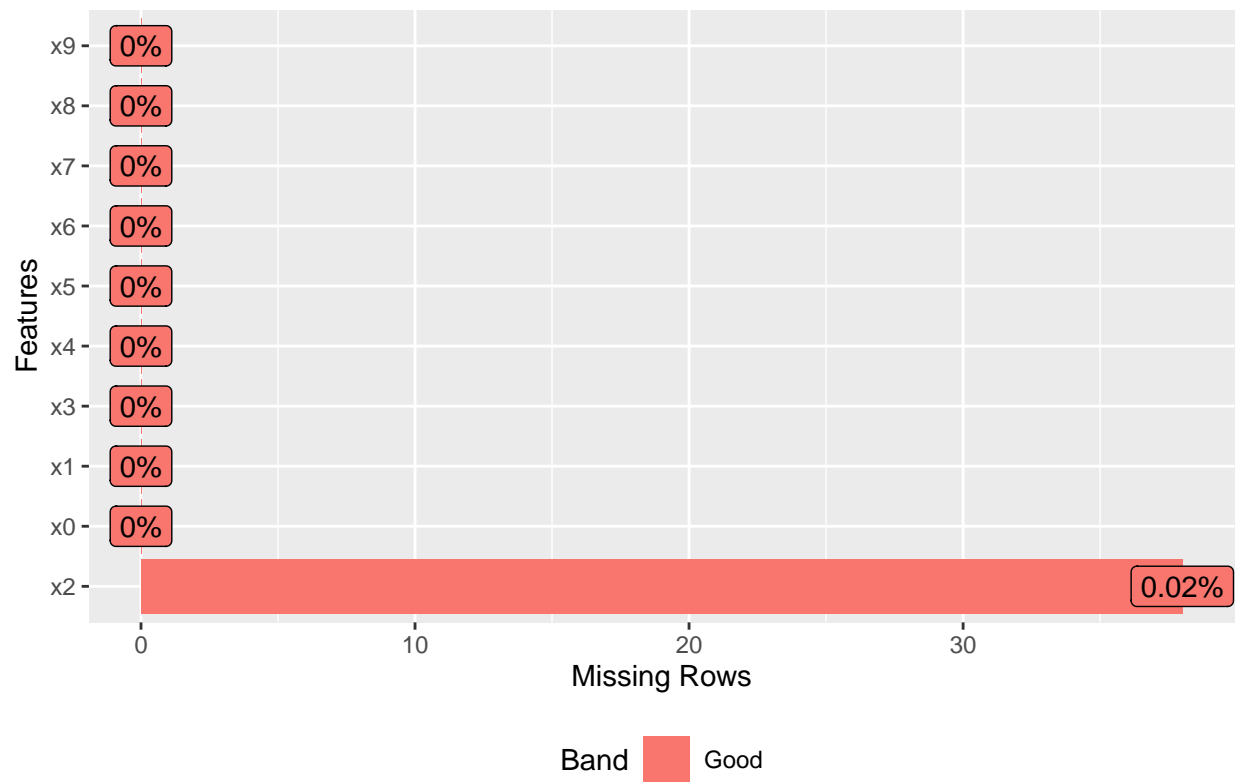




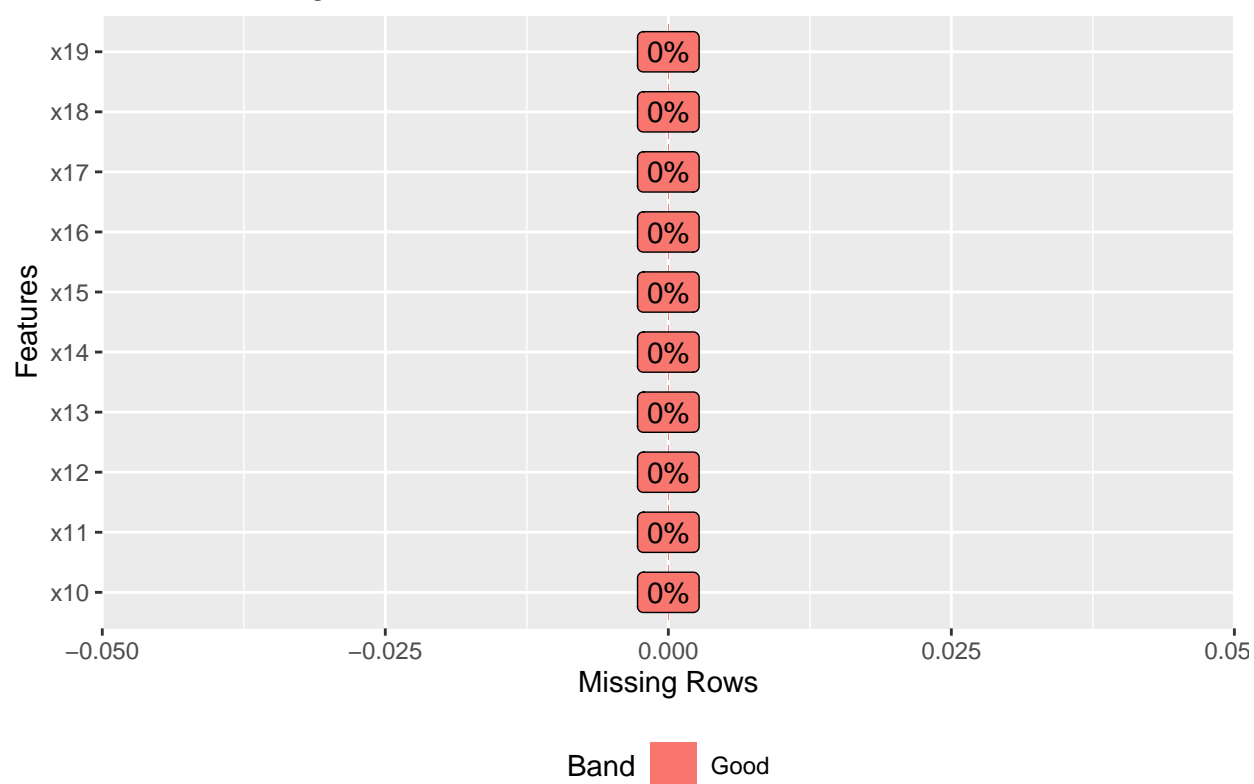


```
##      x0      x1      x2      x3      x4      x5      x6      x7      x8      x9      x10      x11      x12
## "pmm" "pmm"      "" "pmm" "pmm" "pmm" "pmm" "pmm" "pmm" "pmm" "pmm" "pmm" "pmm"
##      x13      x14      x15      x16      x17      x18      x19      x20      x21      x22      x23      x24      x25
## "pmm" "pmm" "pmm" "pmm" "pmm" "pmm" "pmm" "pmm" "pmm" "pmm" "pmm"      "" "pmm"
##      x26      x27      x28      x29      x30      x31      x32      x33      x34      x35      x36      x37      x38
## "pmm" "pmm" "pmm"      ""      "" "pmm" "pmm" "pmm" "pmm" "pmm" "pmm" "pmm" "pmm"
##      x39      x40      x41      x42      x43      x44      x45      x46      x47      x48      x49      y
## "pmm" "pmm"      "" "pmm" "pmm" "pmm" "pmm" "pmm" "pmm" "pmm" "pmm"      ""
```

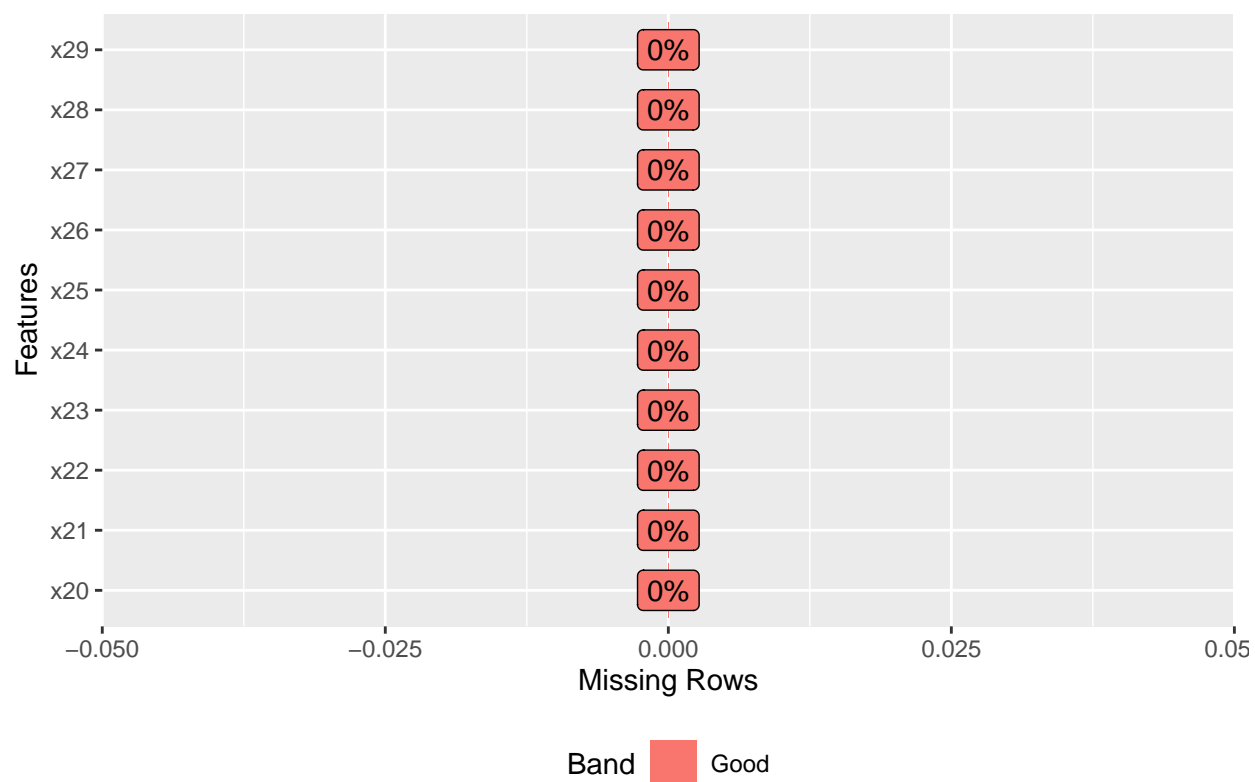
Plot of Missing Values: 1 – 10



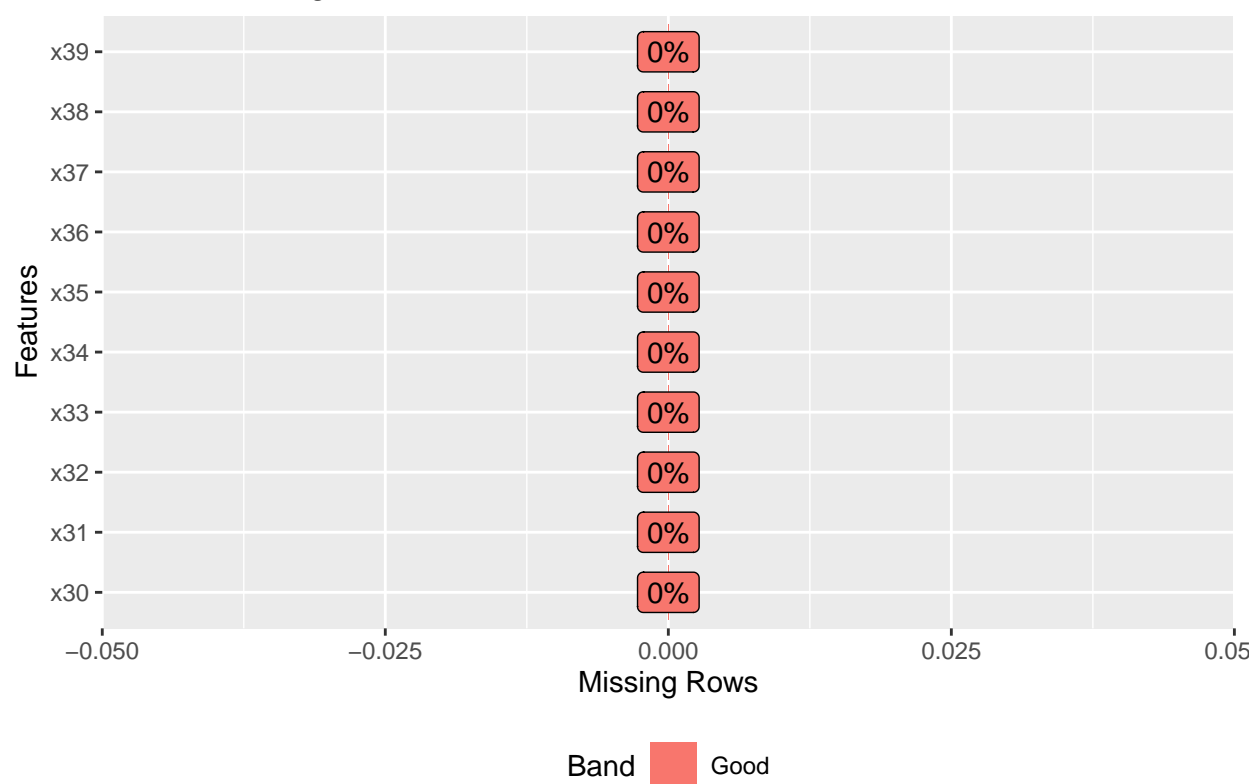
Plot of Missing Values: 11 – 20

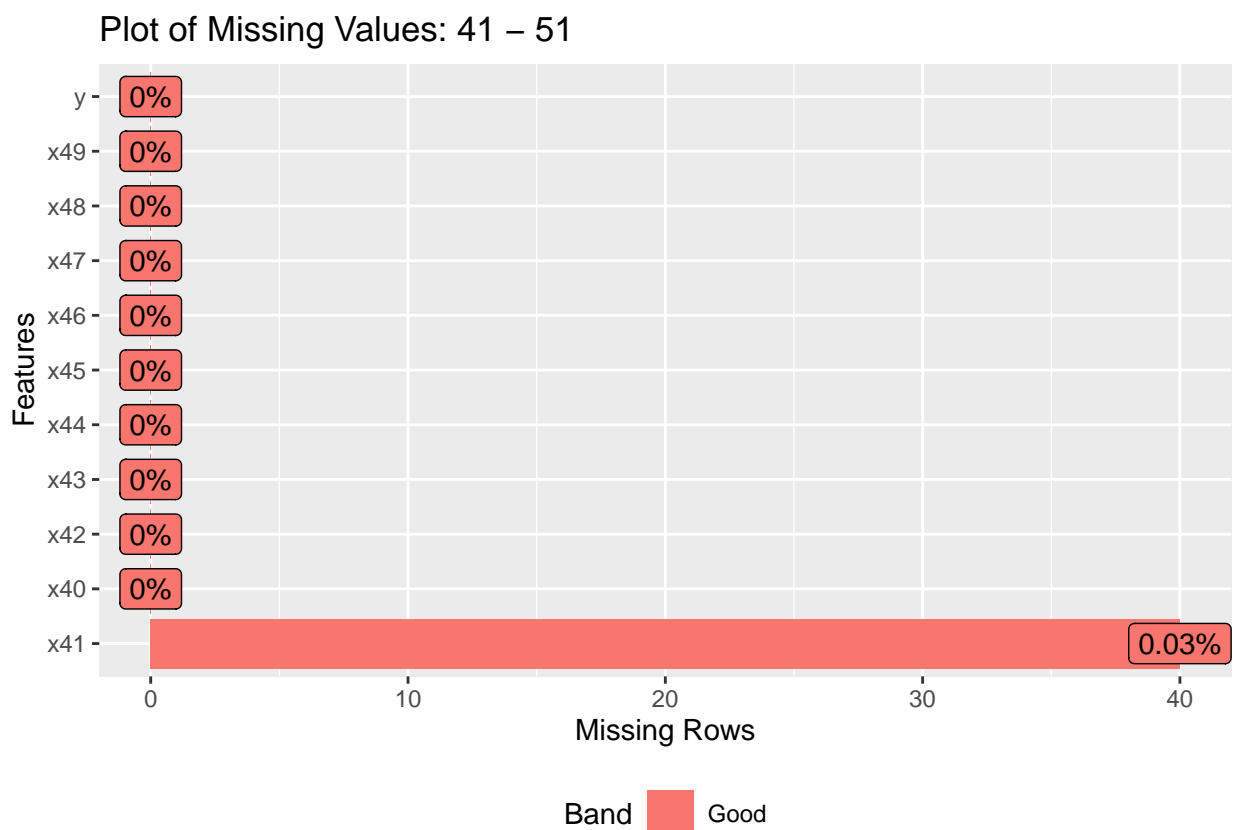


Plot of Missing Values: 21 – 30



Plot of Missing Values: 31 – 40





Data Cleanup Verification

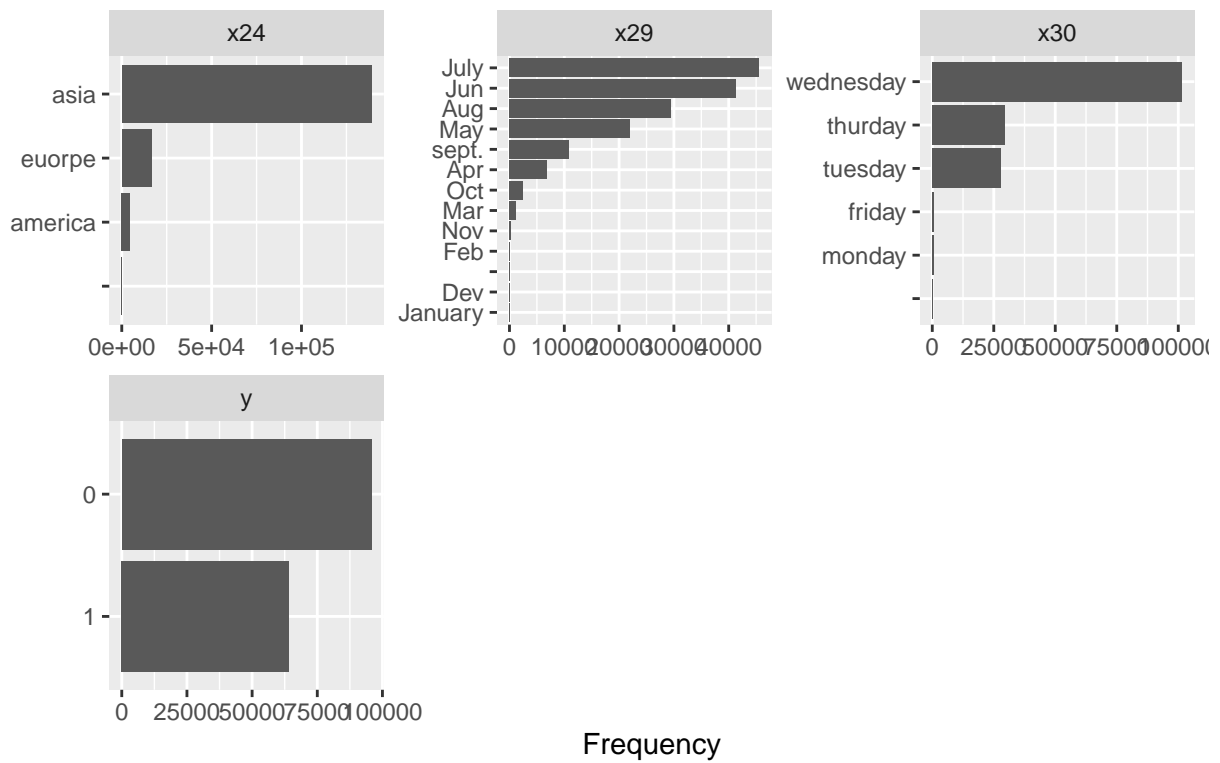
Now that all data has been cleaned and confirmed to be appropriate, the analysis for discrete and continuous variables will be executed to verify that everything is cleaned as it should be. First, the bar plots of the discrete variables will be executed. Finally, the histogram plots for the continuous variables will be executed.

First, re-evaluate the data set at a high level to ensure that the original variables that needed cleaning show as expected.

```
##          variable      V2
## 1:          rows 159922
## 2:         columns    51
## 3: discrete_columns    3
## 4: continuous_columns  48
## 5: all_missing_columns    0
## 6: total_missing_values    0
## 7:   complete_rows 159922
## 8: total_observations 8156022
## 9:      memory_usage 64620136
```

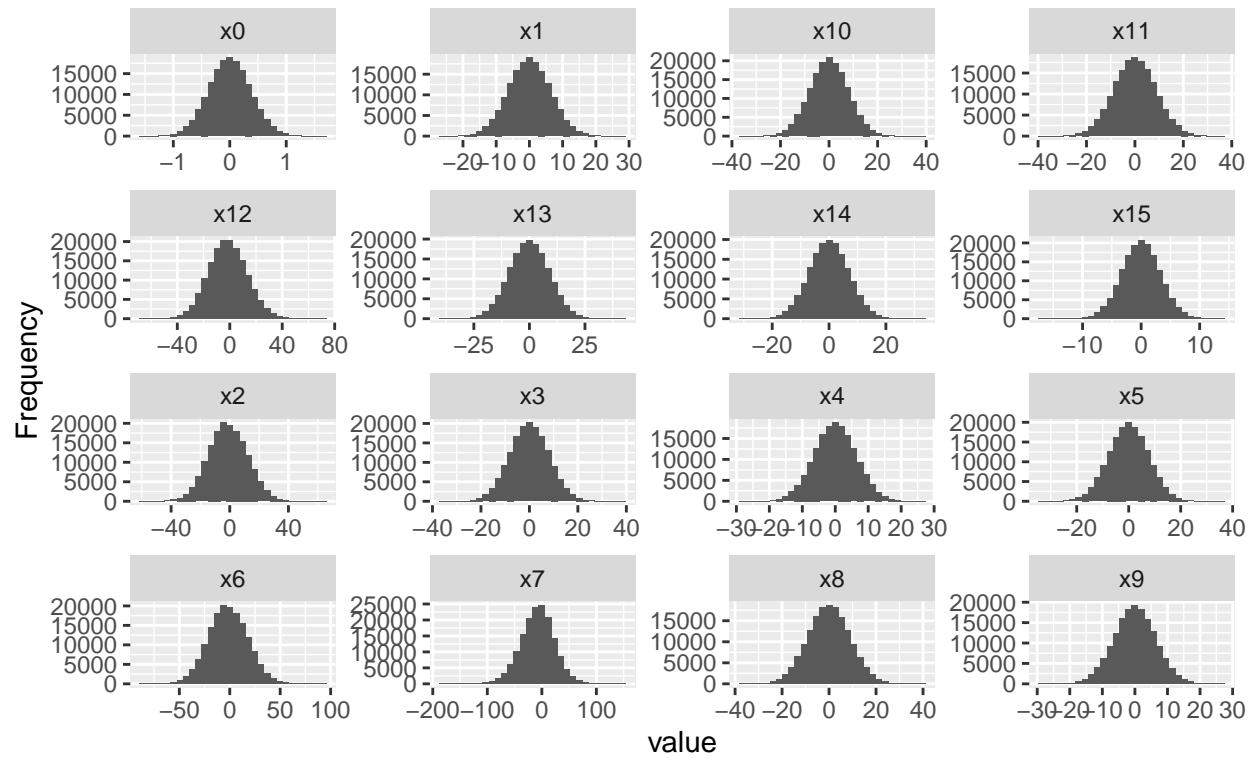
Evaluating the discrete value plots indicates that variable x32 has been categorized as continuous instead of discrete. This gives us 3 discrete variables for evaluation.

Bar Plots of Discrete Variables

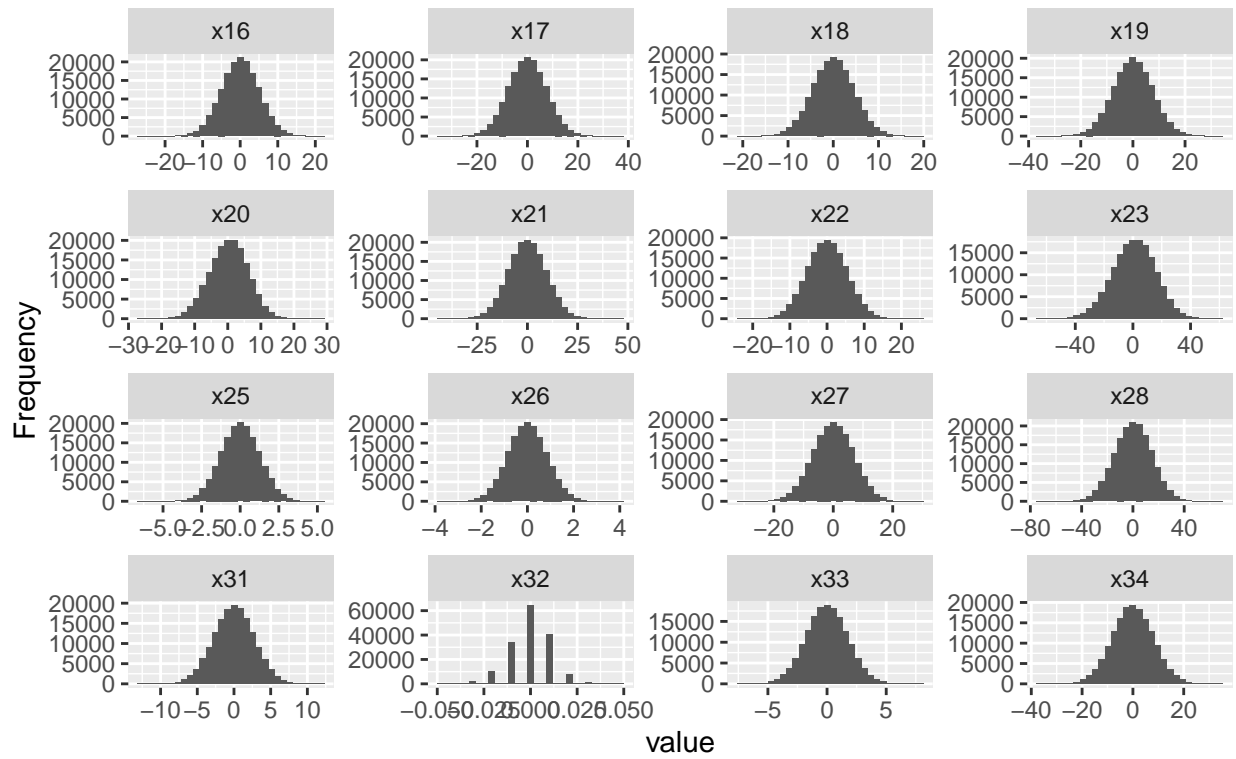


Reviewing the continuous variables, variable x37 is now showing as a continuous variable which indicates that data correction has been completed.

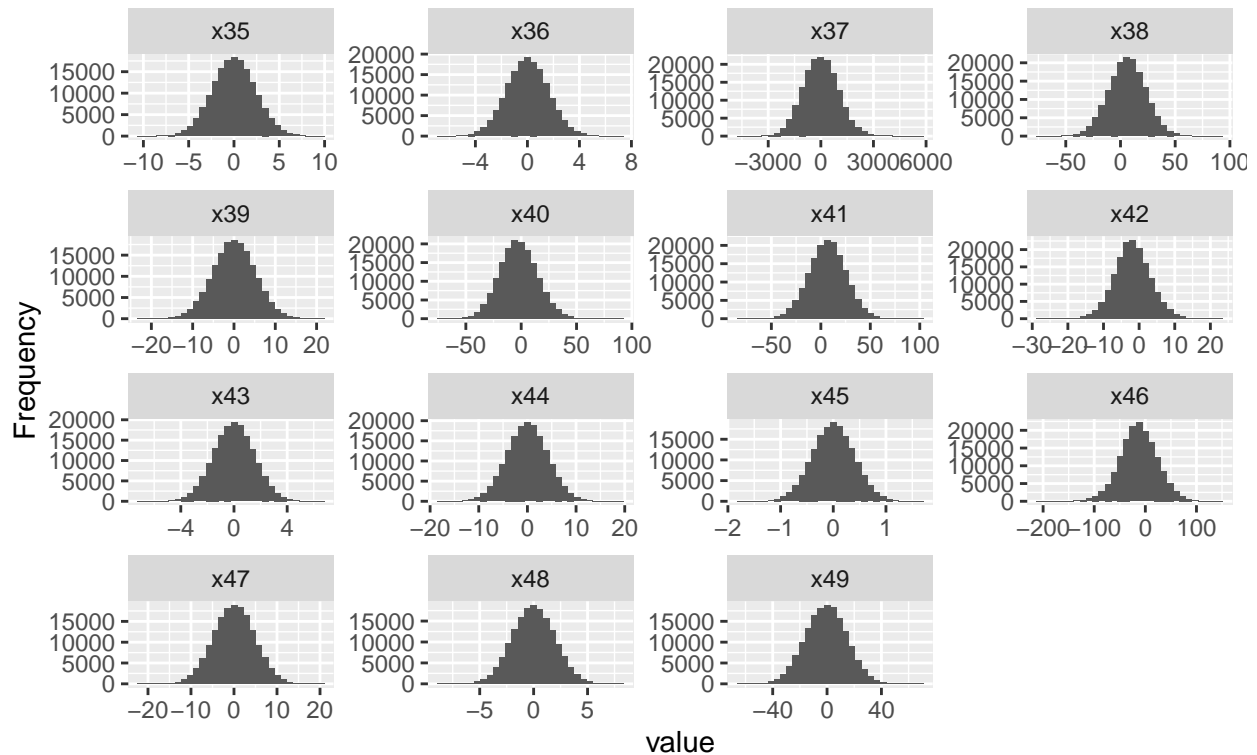
Bar Plots of Continuous Variables



Bar Plots of Continuous Variables



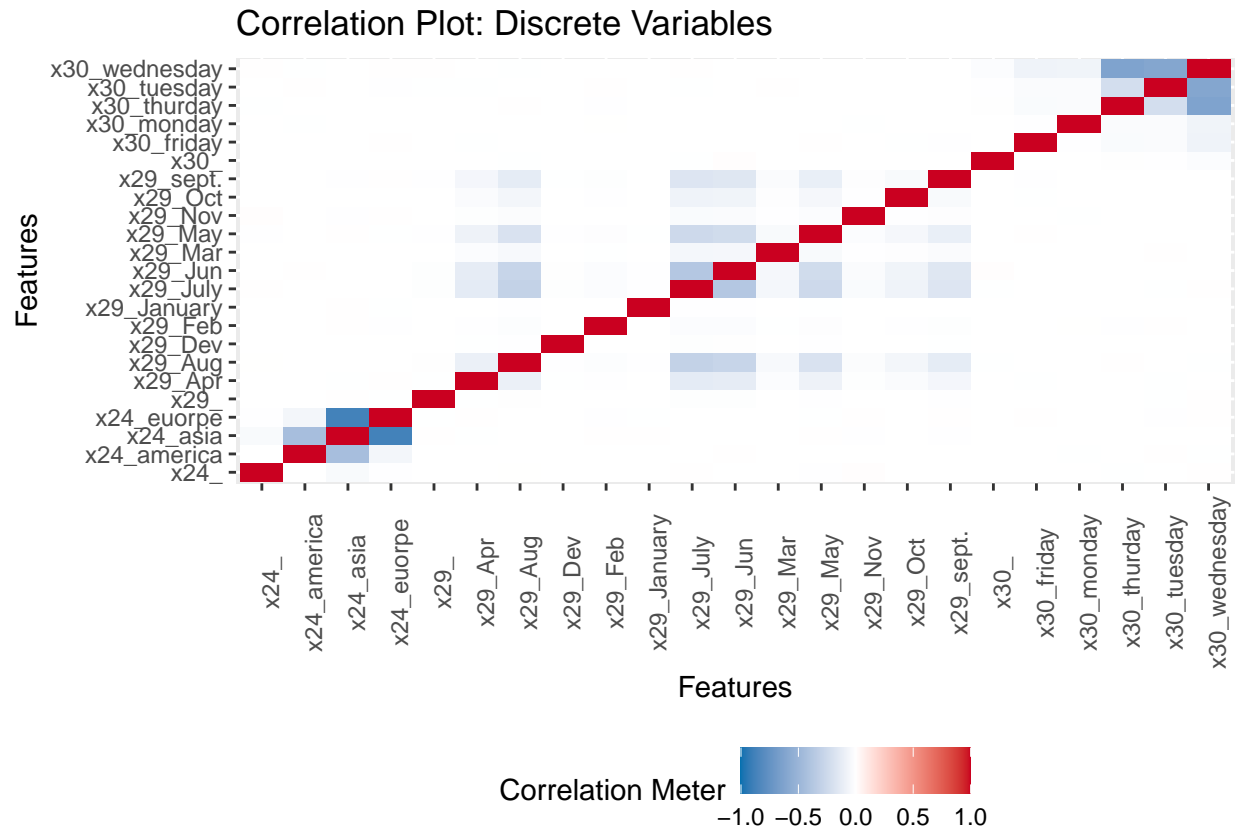
Bar Plots of Continuous Variables



Page 3

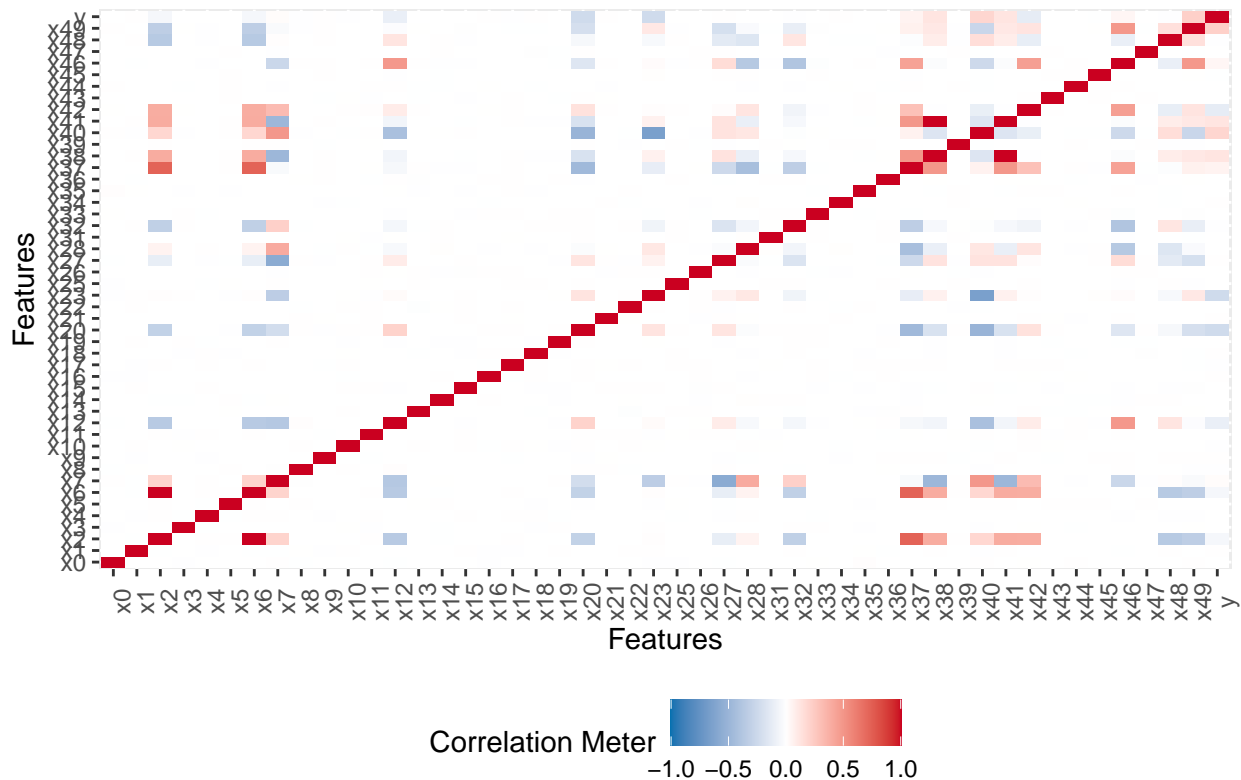
The final portion of data understanding to address is to evaluate the correlation between variables. Evaluating correlation allows for understanding if variables are related to one another. This correlation between variables may allow for the removal of highly correlated variables. The same information will be understood if only one of the variables is present thus the model may be simplified by removing a variable.

Given the number of variables in the data a full correlation plot will be difficult to read. The correlations plots will be broken down into the discrete and continuous variables. The plot below shows the correlation plot for the discrete variables. From the plot a few items are seen: * There is a negative correlation between the x24 values of Europe and Asia * There is a negative correlation between x30 values for Wednesday, Monday and Tuesday * The remainder of the values have very little correlation



The plot below shows the correlation plot for the continuous variables. From the plot below there is high correlation between variables x2 and x6, as well as between x38 and x41.

Correlation Plot: Continuous Variables



Modeling Approach

As part of the modeling approach a training data set and testing data set will need to be created. Creating these individual data sets will allow testing the models against a set of data, the training set, and validating that model with the testing set. This approach will allow for validation that models are performing appropriately and allow for model comparison. In building out the training and test data sets an 80/20 split will be leveraged. This will put 80% of the data in the training data set and 20% in the test data set. With this approach the training set and test set will have the values specified below.

```
## [1] "Training Set Size: 127938"
```

```
## [1] "Test Set Size: 31984"
```

Given that the problem provided is a binary classification problem there are multiple approaches that can be taken to model the problem. For this case K-Nearest Neighbor, Logistic Regression and Random Forest models will be executed. Each of these approaches are relatively quick to execute and the outputs are easily explainable.

KNN Modeling

The K-Nearest Neighbor (KNN) modeling method method is an approached used for both classification and regression problems. In this particular case, KNN will be leveraged for the classification problem. In the classification execution, the model attempts to group values based on a weight provided identified as K. The

K value tells the model how many neighbors to attempt to model against the dependent variable. For this implementation K = 15.

The results of our KNN model is shown below. We compare the results from our predicted KNN model against the actual test values for our dependent variable. From it, we can see across a total of 31,984 observations (test set), we have a true positive of of: 17,095 and a true negative of: 9,740 = for a total accuracy of 83.901%. Using KNN is limited for this data set as there were character columns omitted from the model due to limitations. Had those been factored in, we'd likely see a score increase. KNN is likely not the optimal modeling choice here, but is a good first pass to identify that our character columns may have some role to play in improving the accuracy of the model.

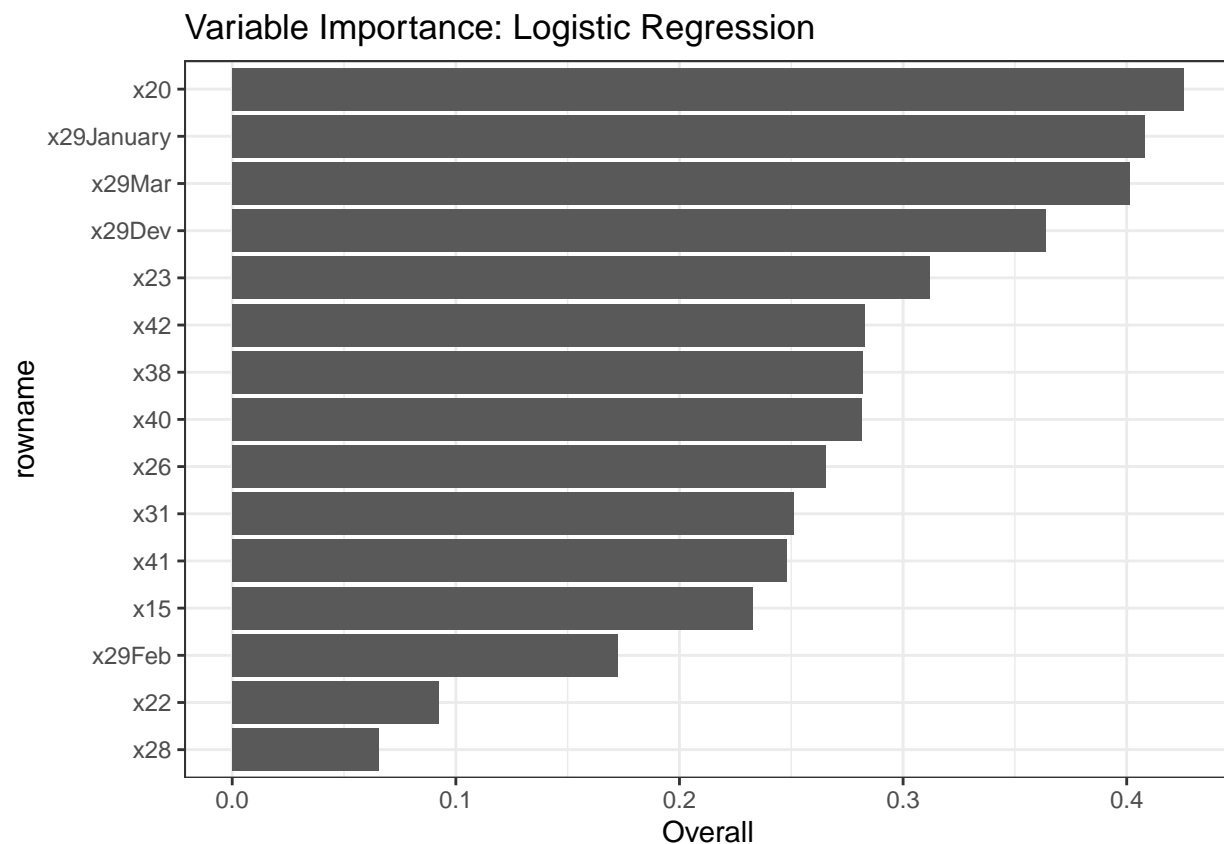
The true cost of implementing this model, if selected, would be \$22,800 + \$1,434,500 = \$1,457,300. This further substantiates that KNN is likely not the model of choice if this rate / cost due to false negatives and positives is prohibitive.

```
##
##
##      Cell Contents
## |-----|
## |                      N |
## |          N / Row Total |
## |          N / Col Total |
## |          N / Table Total |
## |-----|
##
##
## Total Observations in Table:  31984
##
##
##      | prc_test_pred
## test_df$y |          0 |          1 | Row Total |
## -----|-----|-----|-----|
##          0 |    17098 |     2277 |    19375 |
##          |    0.882 |     0.118 |    0.606 |
##          |    0.856 |     0.189 |          |
##          |    0.535 |     0.071 |          |
## -----|-----|-----|-----|
##          1 |     2867 |     9742 |    12609 |
##          |    0.227 |     0.773 |    0.394 |
##          |    0.144 |     0.811 |          |
##          |    0.090 |     0.305 |          |
## -----|-----|-----|-----|
## Column Total |    19965 |    12019 |    31984 |
##          |    0.624 |     0.376 |          |
## -----|-----|-----|-----|
##
##
```

Logistic Regression

Logistic Regression is another approach to handling a classification problem. Logistic Regression is a statistical model that uses a logistic function to model a binary dependent variable. In comparison to KNN, Logistic Regression is computationally much faster and provides quick insight into a problem.

The plot below shows the variable importance plot. The purpose of this plot is to show which variables have the most impact on the logistic regression analysis. In this case, the top 15 features are shown. As can be seen from the plot, the x29 variable broken out by each month have the highest variable importance.



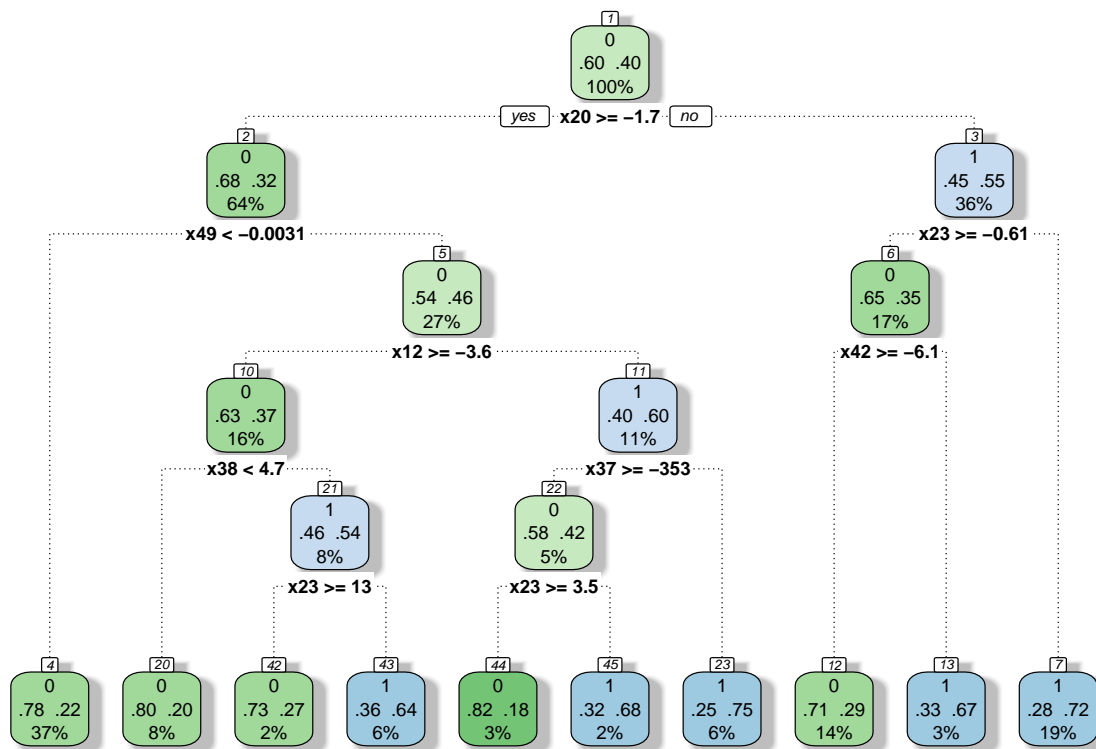
Utilizing the confusion matrix below the accuracy of this model, across 31,984 observations is 70.20% $(15,943 + 6,510)/31,984$. Applying the Classification Cost penalty specified in the business requirements document, we have a total cost of implementation of: $\$34,320 + \$3,049,500 = \$3,083,820$. This is higher than the KNN model demonstrated above and if this proves cost-prohibitive, another model may be the better choice.

```
##
##      FALSE  TRUE
##  0 15945  3430
##  1  6096  6513
```

Basic Tree Model

A Basic Tree Model is another approach that can be leveraged for classification problems. In a basic tree approach a series of “if-then” rules to generate a prediction. Tree Based Models are relatively fast to develop, similar to logistic regression. These types of models are also easily explainable in that the tree structure can be followed to understand the decision making process. Trees can be prone to over fitting if not managed correctly and thus need to be pruned to ensure a best fit model.

The plot below shows the first tree model that has been build off of the data provided. From the model it can be seen that x23 is the first decision point. From there x43 or x28 is evaluated. This process continues until a result has been obtained.



Initial Tree

The table below shows that the initial tree has an accuracy of 74.21%, lower than the KNN model but higher than the logistic regression model. Applying the Classification Cost penalty specified in the business requirements document, we have a total cost of implementation of: \$47,140 + \$1,815,140 = \$1,862,280. This is higher than the Logistic Regression model demonstrated above and if this proves cost-prohibitive, another model may be the better choice.

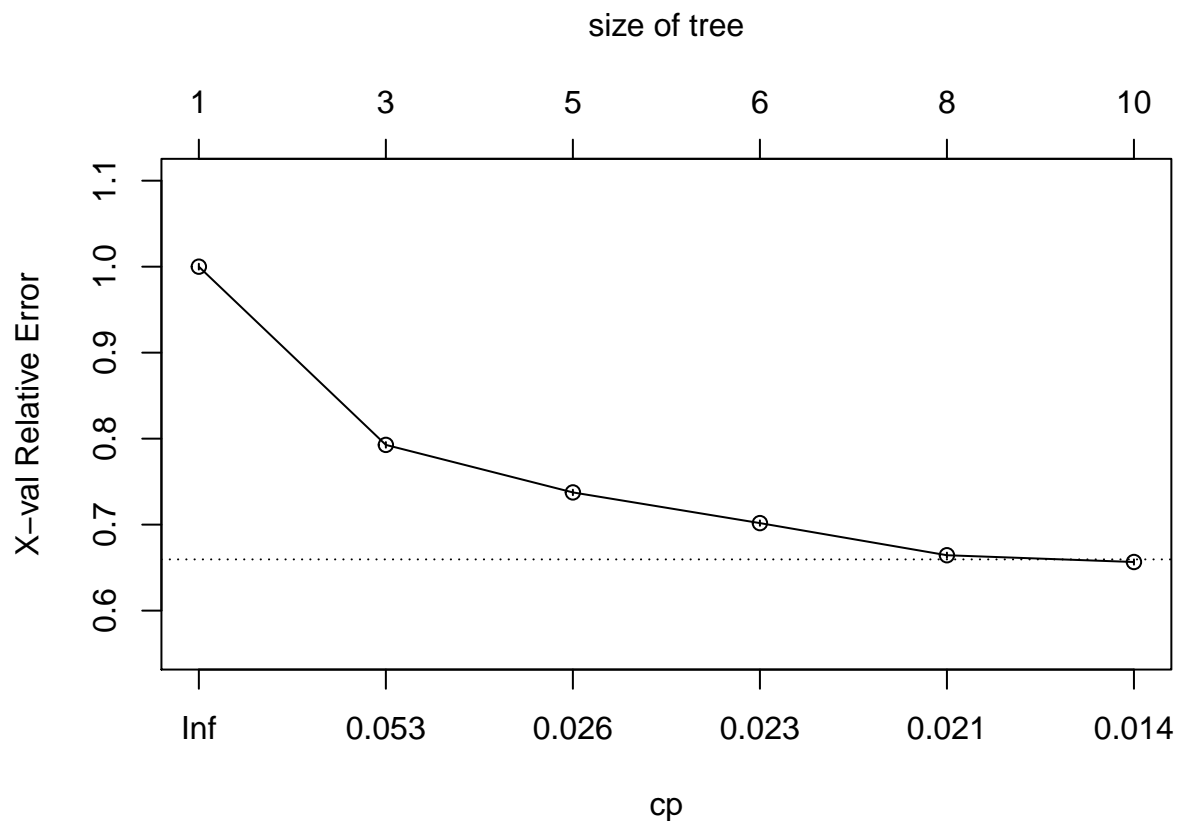
```

## Confusion Matrix and Statistics
##
##           Reference
## Prediction    0    1
##           0 15839 4714
##           1  3536 7895
##
##           Accuracy : 0.7421
##           95% CI : (0.7372, 0.7468)
##           No Information Rate : 0.6058
##           P-Value [Acc > NIR] : < 2.2e-16
##
##           Kappa : 0.451
##
##           McNemar's Test P-Value : < 2.2e-16
##
##           Sensitivity : 0.8175
##           Specificity : 0.6261
##           Pos Pred Value : 0.7706
##           Neg Pred Value : 0.6907

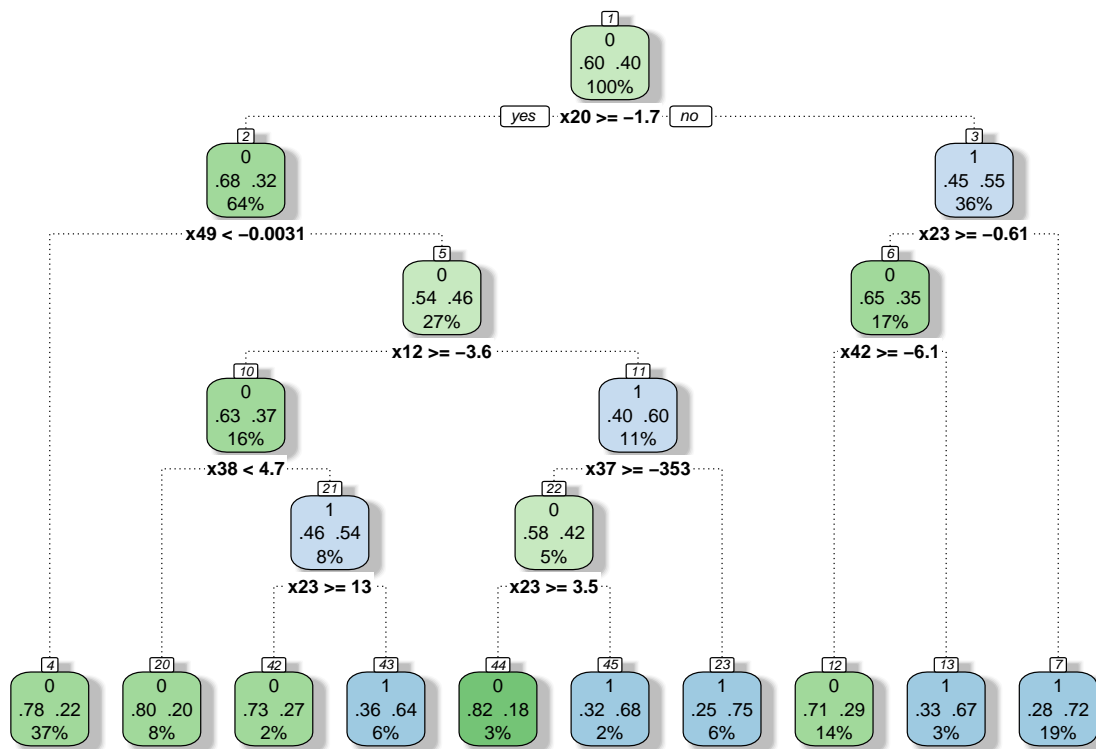
```

```
##           Prevalence : 0.6058
##           Detection Rate : 0.4952
##           Detection Prevalence : 0.6426
##           Balanced Accuracy : 0.7218
##
##           'Positive' Class : 0
##
```

To help with any possible over fitting, the tree can be pruned. The method of pruning trees is a process that attempts to get our results to a more optimal tree by removing nodes in the tree and stopping at what the modeler deems is an acceptable stopping criteria. To determine what that stopping criteria could be, investigation of the error in the original tree is helpful. The plot below shows the cross validation error for each split that can be used to prune the tree. From the plot the cp equal to approximately 0.014 would be a good spot to prune the tree.



The pruned tree, below, looks very similar to the initial tree. This result is also confirmed by the confusion matrix results shown below. No change is seen between the initial tree and the pruned tree. This would result in the same cost calculation as the initial tree of \$1,862,280.



Pruned Tree

```
## Confusion Matrix and Statistics
##
##           Reference
## Prediction    0    1
##           0 15839 4714
##           1  3536 7895
##
##           Accuracy : 0.7421
##           95% CI : (0.7372, 0.7468)
##           No Information Rate : 0.6058
##           P-Value [Acc > NIR] : < 2.2e-16
##
##           Kappa : 0.451
##
## Mcnemar's Test P-Value : < 2.2e-16
##
##           Sensitivity : 0.8175
##           Specificity : 0.6261
##           Pos Pred Value : 0.7706
##           Neg Pred Value : 0.6907
##           Prevalence : 0.6058
##           Detection Rate : 0.4952
##           Detection Prevalence : 0.6426
##           Balanced Accuracy : 0.7218
##
##           'Positive' Class : 0
```

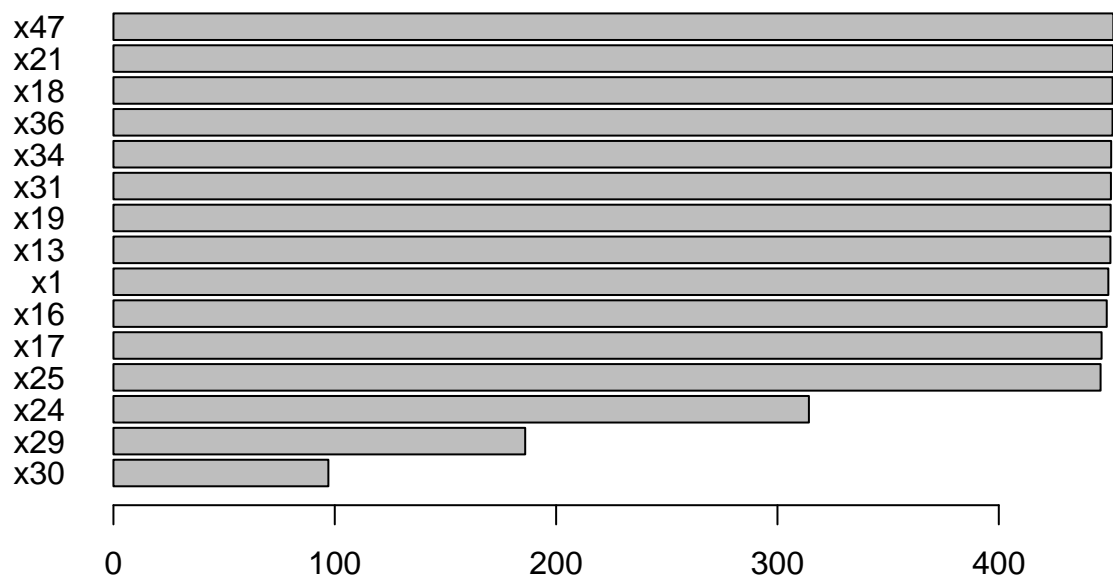
##

Random Forest

The final classification approach for this data will be a Random Forest. Random Forests are an ensemble learning method that can be used for classification, regression and other tasks. Random Forests work by building multiple decision trees at a time and then outputting the tree that is the mode (middle) of all of the calculated trees. Given the multiple trees generated Random Forest models are a little more difficult to explain, however many of the same metrics used the the previous classification methods can be obtained. As before the Random Forest will be build off of the training data set and the information will be used to predict values in the test data set to determine the model accuracy. For the first run, the Random Forest will execute on 500 trees. This is the default value for the the model and will provide a good starting point for analysis

Just as with the Logistic Regression model, the Random Forest model will allow for evaluating which features had the greatest impact on the model development. In comparison of the two plots for Linear Regression and Random Forest, features x29 and x43 being having consistent impact across both models. This would indicate that upon further refinement of models these would be key features to ensure remained in any future models.

Variable Importance Plot: Random Forest



The table below shows that the Random Forest model with 500 trees has an accuracy of 92.63% (1 - the OOB Prediction error) , the highest of all models so far. Applying the Classification Cost penalty specified in the business requirements document, we have a total cost of implementation of: \$8,230 + \$752,500 = \$760,730. This is lower than other models to this point and seems to indicate this may be a good first model for evaluation.

Ranger result

```
##
## Call:
## ranger(y ~ ., data = train_df, classification = TRUE, importance = "impurity")
##
## Type: Classification
## Number of trees: 500
## Sample size: 127938
## Number of independent variables: 50
## Mtry: 7
## Target node size: 1
## Variable importance mode: impurity
## Splitrule: gini
## OOB prediction error: 7.33 %

##
##      0      1
## 0 18570   805
## 1  1504 11105
```

The table below shows that the Random Forest model with 1,000 trees has an accuracy of 92.69% (1 - the OOB Prediction error), the highest of all models. Applying the Classification Cost penalty specified in the business requirements document, we have a total cost of implementation of: \$8,090 + \$753,500 = \$761,590. This less than a \$1,000 difference from the Random Forest of 500 trees. Due to the number of trees, this model does take much longer (approx. 20 - 30 minutes) to run compared to the 500 tree model (approx. 10 minutes). If speed of processing is a business requirement sacrificing 0.06% accuracy at the same Classification Cost penalty may be acceptable.

```
## Ranger result
##
## Call:
## ranger(y ~ ., data = train_df, classification = TRUE, importance = "impurity", num.trees = 1000)
##
## Type: Classification
## Number of trees: 1000
## Sample size: 127938
## Number of independent variables: 50
## Mtry: 7
## Target node size: 1
## Variable importance mode: impurity
## Splitrule: gini
## OOB prediction error: 7.23 %

##
##      0      1
## 0 18565   810
## 1  1513 11096
```

Conclusion

In conclusion, this report has leveraged multiple classification methods to classify an unknown data set. Initially, the data was investigated to evaluate and address missing data and overall data cleanliness. Once the data was ready for processing, four different classification models were leveraged for comparison on

performance. The models were compared on two metrics: overall model accuracy and model classification cost. A summary of the models and the associated metrics is shown below:

Method	Accuracy	Classification Cost
K-Nearest Neighbor	83.90%	\$1,457,300
Logistic Regression	70.20%	\$3,083,820
Basic Tree	74.21%	\$1,862,280
Random Forest (500 trees)	92.63%	\$760,730
Random Forest (1000 trees)	92.69%	\$761,590

From these current modeling initiatives the Random Forest model seems to be the best model with the lowest Classification Cost penalty - at \$761,590. This is substantially lower cost than the KNN, Logistic Regression, and Basic Tree models performed. If the business is looking to keep costs low and maintain a high-level of accuracy in the model selected, we recommend using Random Forest with 1,000 trees. If explainability of the model is of concern however, this choice provides some good indicators but may be difficult to provide full transparency of the model if that is required. Thus another model with more transparency may be used, but could have a higher Classification Cost.