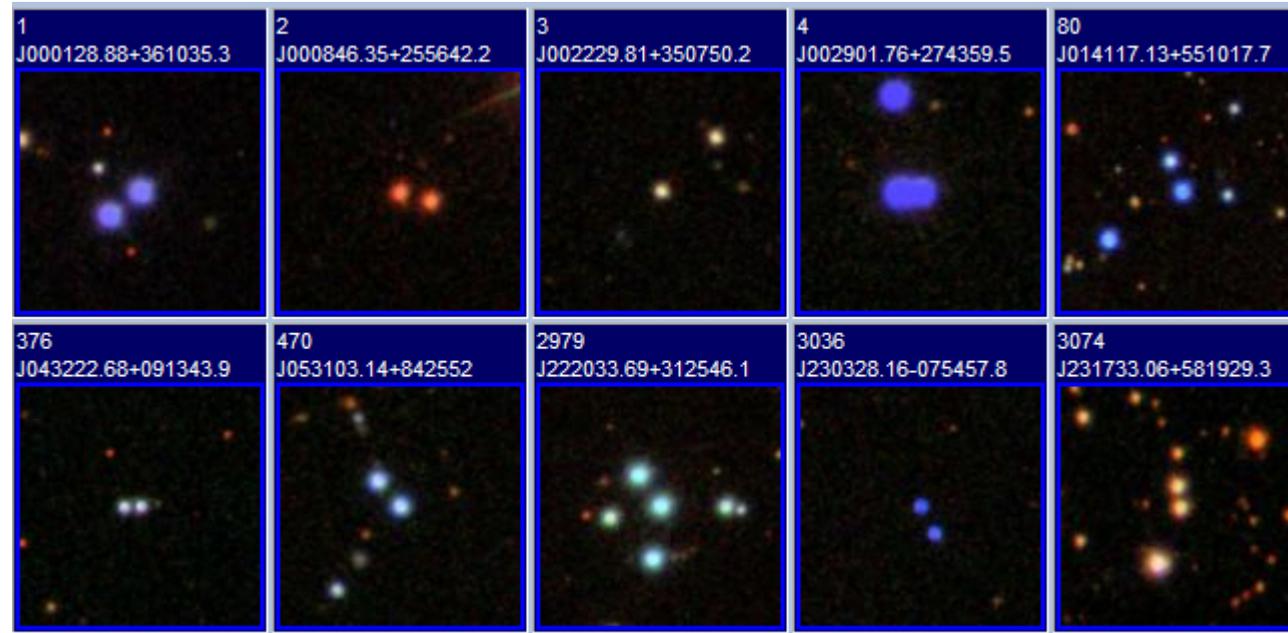


## 3161 BINARY STAR TWINS IN THE SLOAN DIGITAL SKY SURVEY – DATA RELEASE 8



By Martin Nicholson, Ticklerton Barn, Ticklerton, Church Stretton, Shropshire SY6 7DQ

Email [newbinaries@yahoo.co.uk](mailto:newbinaries@yahoo.co.uk)

## INTRODUCTION

There are not many branches of science where amateurs regularly contribute significant observations or discoveries. Astronomy is somewhat different, not least because the number of professional astronomers is relatively small and observing time at the major observatories is very limited. This leaves several areas where amateurs can contribute and in the past measuring the orientation (position angle) and the separation of binary stars was as an example of this.

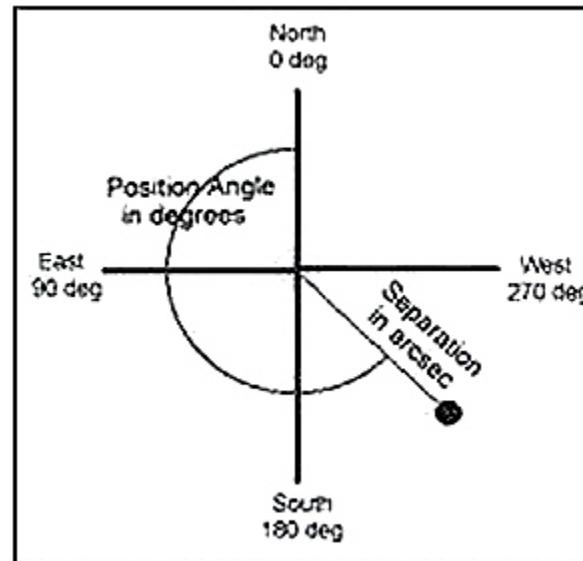


Fig. 1 – The key features of a binary star

## The crucial distinction: Binary Stars v's Double Stars

Two stars orbiting around their centre of mass are called a binary star. Binary stars are important in astrophysics for a number of reasons - not least since orbital studies allows the mass of the stars to be determined.

Various sub-types of binary star exist such as optical binaries, spectroscopic binaries and eclipsing binaries. The last two of these are relatively easy to identify but **optical binary** stars can be hard to distinguish from **optical double** stars that are just "line of sight" arrangements of no particular astronomical significance.

## The start of Pro-Am collaborations

Most of the wider pairs - such as those typically observed by amateur astronomers - change very slowly and only need to be measured perhaps once a year. For this reason some amateur astronomers, looking for a new challenge, switched from measuring binary stars to searching for previously unreported examples. In July 2002 I contacted the United States Naval Observatory seeking advice as to what would qualify as a pair worth reporting. One section of the reply I received from Dr. William I. Hartkopf (July 2002) of the Astrometry Department is worth quoting in full. (Journal of the British Astronomical Association, Vol. 115, No. 6, p.342)

*"As for qualifications - what pairs are worth reporting - that's a more difficult question! The WDS contains a rather eclectic mix of physical and optical pairs - essentially any published double. Some are very wide and are only included because someone thought they were, for example, a common-proper motion pair, etc. and published a measurement! (In other words, they're included for historical interest or "completeness", but are otherwise of little use.) Physical pairs are most interesting from an astronomical standpoint, but it's very difficult to determine with any degree of certainty whether a pair is indeed physical. Several "rules of thumb" have been published, however. Robert Aitken used the following formula in one of his books:  $\log p = 2.8 - 0.2 m$ , where  $p$  is the separation in arc-seconds and  $m$  is the apparent visual magnitude (probably combined magnitude, although it isn't mentioned). Binaries of a given magnitude closer than  $p$  are considered probably physical. Aitken (and others who came up with similar formula) would often include "borderline" cases if they found them interesting, so these rules weren't set in stone! For your purposes you might use this formula as a guideline, but also keep any systems fainter than 9th magnitude if their separations are 10" or less."*

Brian D. Mason, Project Manager, Washington Double Star Program, subsequently contacted me (December 2002) saying:

*What criteria did you use for identifying new doubles? When we have gone through astrometric catalogs (like the AC) looking for new doubles we've only selected ones meeting one of two possible parameters: a. Aitken's parameter : described in the introduction to the ADS, this relates apparent magnitude and separation, b. outer limit : we arbitrarily set this at ten arc seconds, i.e., if the two stars are at 10" and closer we call it a double and put it in the WDS, even if it is so faint that the likely physical separation probably rules out it being a real double. If you use criteria similar to this, it might reduce the number of doubles and increase the wheat to chaff ratio.*

It soon became clear that the 10 arc second framework **when used on its own** was generating vast numbers of candidate double stars without clearly identifying any binary stars. It has been claimed that the sheer number of candidate double stars notified to the Washington Observatory in the first few years of the 21<sup>st</sup> century quickly made them realise that they had set the criteria for inclusion in “their” catalogue incorrectly!

Luckily a new tool was becoming available and researchers – amateur and professional alike – turned to proper motion as a diagnostic aid.

### **Proper Motion - One of the major tools for distinguishing binary stars from double stars**

Careful measurement over many years reveals that all stars are moving independently through space and this results in slow changes in their position relative to the earth. [Proper Motion](#) is a vector, that is it has both a magnitude and a direction. The magnitude has units of arc seconds per year and the direction is expressed in degrees with 0 degrees being north, 90 degrees being east and so on. Most catalogues present this information in the form of the magnitude of the motion in both [right ascension and in declination](#) since these are at right angles to each other.

For a pair to be considered a binary the two components would be expected to show very similar proper motion. Reliable and up-to-date results are not available for all stars but where such information is used it is clear that some systems previously reported as binaries were in fact "just" double stars. One complicating factor was the lack of professional guidance on exactly what constituted “very similar proper motion”. This was an unfortunate oversight and led to some over optimistic claims about the binary nature of some pairs. ([http://www.philica.com/display\\_observation.php?observation\\_id=55](http://www.philica.com/display_observation.php?observation_id=55))

By 2010 most of the stronger candidates for being “common proper motion pairs” had been published – many in the Journal of Double Star Observations (<http://www.jdso.org/>).

It was time to explore the new technique of photometric parallax

## Photometric parallax using colours from the Sloan Digital Sky Survey

The SDSS provides photometry in five different wavebands and these results can be used to estimate the spectral energy distribution of the star. It is possible to extrapolate from the SDSS results obtained from previously studied stars to the absolute magnitude, and hence the distance, of previously unstudied stars. There have been a number of published papers that use photometric parallax as a key element of the analysis – for example [Baraffe et al. \(1998\)](#), [West et al. \(2005\)](#), [Sesar et al. \(2008\)](#), [Smith \(2010\)](#) and [Longhitano \(2011\)](#). An extension of the technique of photometric parallax is the idea that if two stars have, essentially, identical photometry in all five SDSS wavebands then they must be at the same distance – ignoring for a moment any errors introduced by the two star undergoing different interstellar absorption. If the two stars have an angular separation within 60 arc seconds they are likely to be subject to the same absorption and this source of error becomes insignificant.

**Two stars at the same distance and with a small angular separation are, almost by definition, part of a binary star system.**

```
SELECT TOP 1000 s1.ra as s1, s1.dec as s2, s1.u as s3, s1.g as s4, s1.r as s5, s1.i as s6, s1.z as s7, s2.ra as s8,
s2.dec as s9, s2.u as s10, s2.g as s11, s2.r as s12, s2.i as s13, s2.z as s14 into mydb.pairlady41a from Photoprimary
S1,
    Neighbors N,
    Photoprimary S2
WHERE S1.objID = N.objID
    and S2.objID = N.NeighborObjID
    and N.neighborType = dbo.fPhotoType('Star')
    and N.distance < 1.00
    and N.distance > .05
    and abs(S1.u - S2.u) < 0.03
    and abs(S1.g - S2.g) < 0.03
    and abs(S1.r - S2.r) < 0.03
    and abs(S1.i - S2.i) < 0.03
    and abs(S1.z - S2.z) < 0.03
    and S1.i < 20
    and s1.dec < -22.5
    and s1.dec > -25.0
```

Fig. 2 – One possible way, using SQL, to identify stellar twins

The CasJobs facility can be accessed here – <http://skyservice.pha.jhu.edu/casjobs/>

## Results

#	PRIMARY STAR							SECONDARY STAR							SEPARATION POSITION ANGLE	
	RA	DEC	SDSS u mag	SDSS g mag	SDSS r mag	SDSS i mag	SDSS z mag	RA	DEC	SDSS u mag	SDSS g mag	SDSS r mag	SDSS i mag	SDSS z mag	ARC SEC	DEGREES
1	0.37036	36.17650	16.767	15.470	15.033	14.871	14.818	0.37300	36.17484	16.748	15.466	15.034	14.879	14.823	9.731	127.88
2	2.19315	25.94506	20.744	18.360	16.925	15.685	15.043	2.19081	25.94449	20.743	18.350	16.928	15.687	15.030	7.87	254.845
3	5.62424	35.13062	20.269	18.091	17.140	16.814	16.614	5.61963	35.13437	20.259	18.113	17.151	16.788	16.633	19.141	314.774
4	7.25734	27.73321	16.716	15.526	15.075	14.904	14.856	7.25937	27.73992	16.742	15.513	15.083	14.920	14.855	25.025	15
5	8.58235	16.07731	18.774	17.203	16.574	16.372	16.273	8.58235	16.08098	18.793	17.227	16.583	16.355	16.244	13.215	359.942
6	9.03548	31.53464	19.798	17.651	16.776	16.484	16.340	9.04331	31.53045	19.810	17.673	16.792	16.486	16.314	28.354	122.12
7	10.09517	39.61987	18.427	16.923	16.384	16.204	16.131	10.09651	39.61423	18.402	16.953	16.412	16.216	16.133	20.617	169.652
8	10.15970	25.19189	17.908	16.696	16.236	16.071	16.001	10.16685	25.19393	17.898	16.688	16.245	16.093	16.027	24.415	72.492
9	10.85432	36.63854	19.229	17.879	17.420	17.291	17.217	10.84516	36.63745	19.205	17.905	17.430	17.297	17.227	26.746	261.595
10	11.11022	3.14761	18.585	17.098	16.551	16.356	16.286	11.11347	3.15333	18.569	17.093	16.565	16.370	16.290	23.694	29.572
11	11.34098	25.02960	19.499	17.981	17.401	17.195	17.118	11.33971	25.02800	19.476	17.978	17.405	17.191	17.091	7.07	215.717
12	13.11219	44.96164	16.476	15.260	14.868	14.728	14.691	13.11648	44.96663	16.468	15.277	14.872	14.727	14.684	21.024	31.362
13	14.22343	32.36804	18.087	16.676	16.091	15.855	15.754	14.22218	32.36929	18.060	16.667	16.097	15.857	15.757	5.88	319.998
14	14.39837	42.72703	21.097	19.575	18.977	18.777	18.665	14.38926	42.73179	21.118	19.601	18.981	18.758	18.647	29.544	305.427
15	14.60088	45.24939	20.318	18.899	18.354	18.138	18.045	14.59669	45.24547	20.337	18.928	18.363	18.158	18.054	17.647	216.961
16	14.70164	40.71786	17.251	15.959	15.525	15.395	15.344	14.70730	40.72070	17.246	15.955	15.532	15.404	15.346	18.506	56.485
17	15.26319	40.43855	20.062	18.311	17.697	17.492	17.380	15.26406	40.43795	20.047	18.327	17.706	17.502	17.366	3.208	131.799
18	17.03920	48.00323	17.736	16.255	15.588	15.350	15.341	17.03879	48.01147	17.744	16.244	15.589	15.352	15.346	29.658	358.077
19	17.12293	48.12383	18.014	16.746	16.222	16.022	16.076	17.12242	48.12131	18.028	16.767	16.224	16.037	16.074	9.179	187.738
20	17.17135	44.04588	19.555	18.261	17.772	17.626	17.495	17.17669	44.04110	19.535	18.264	17.783	17.625	17.521	22.059	141.239
21	17.33009	0.90530	17.928	16.815	16.438	16.298	16.258	17.33816	0.90707	17.930	16.844	16.451	16.291	16.240	29.734	77.621
22	17.52995	42.15892	17.586	16.318	15.862	15.681	15.616	17.52927	42.16192	17.565	16.297	15.864	15.687	15.626	10.957	350.501
23	17.75551	42.36610	19.312	18.125	17.716	17.570	17.516	17.76245	42.36707	19.292	18.133	17.743	17.595	17.534	18.789	79.336
24	17.90378	47.14349	17.269	15.873	15.329	15.117	15.033	17.90246	47.14562	17.266	15.867	15.338	15.129	15.056	8.341	337.363
25	18.02040	3.28026	17.700	16.691	16.341	16.208	16.144	18.02167	3.28043	17.722	16.710	16.349	16.212	16.143	4.608	82.671
26	18.19081	47.33600	17.259	16.066	15.653	15.502	15.434	18.18588	47.34318	17.243	16.086	15.666	15.528	15.458	28.516	335.087
27	18.77782	48.33960	18.300	16.591	15.892	15.621	15.490	18.77482	48.33262	18.303	16.612	15.908	15.627	15.480	26.143	195.943
28	19.51103	48.08608	19.463	18.264	17.797	17.679	17.542	19.51839	48.08083	19.467	18.241	17.803	17.686	17.556	25.909	136.921
29	19.95006	47.14682	16.010	14.841	14.505	14.380	14.344	19.94644	47.15001	16.033	14.858	14.523	14.387	14.352	14.531	322.382
30	20.31090	40.19318	18.816	17.744	17.364	17.227	17.221	20.30389	40.18794	18.834	17.767	17.383	17.234	17.207	26.963	225.644
31	20.36751	24.99006	18.146	16.415	15.707	15.453	15.330	20.36776	24.99164	18.121	16.404	15.716	15.466	15.344	5.753	8.119

32	21.58549	36.60177	21.751	20.118	19.425	19.150	19.041	21.58076	36.59635	21.722	20.125	19.452	19.179	19.041	23.801	215.02
33	21.89923	50.71532	17.810	16.503	15.974	15.761	15.647	21.89692	50.72043	17.837	16.500	15.977	15.762	15.663	19.124	343.993
34	22.00010	48.80299	16.874	15.425	14.905	14.714	14.647	21.99654	48.80838	16.855	15.425	14.923	14.730	14.665	21.164	336.514
35	22.04232	38.06264	18.615	17.454	17.029	16.868	16.811	22.03539	38.06233	16.814	17.452	17.034	16.870	16.821	19.687	266.787
36	22.39620	45.35170	17.250	15.741	15.192	15.011	14.951	22.40385	45.35174	17.268	15.752	15.206	15.026	14.962	19.354	89.586
37	22.65358	4.66677	17.443	16.304	15.965	15.823	15.792	22.65162	4.67020	17.448	16.299	15.968	15.825	15.799	14.202	330.211
38	22.66817	53.46924	18.387	16.948	16.330	16.120	15.951	22.67572	53.47482	18.385	16.933	16.349	16.104	15.966	25.775	38.883
39	22.85582	51.08093	18.063	16.638	15.998	15.742	15.562	22.86500	51.08632	18.087	16.665	16.014	15.750	15.578	28.434	46.906
40	22.88298	54.18215	19.945	18.433	17.754	17.467	17.348	22.87769	54.17730	19.972	18.416	17.774	17.482	17.325	20.732	212.566
41	22.91331	53.09423	20.725	19.164	18.478	18.175	18.041	22.91268	53.09549	20.707	19.186	18.494	18.184	18.018	4.757	343.425
42	22.97002	54.71694	19.271	17.898	17.330	17.129	16.984	22.96647	54.72145	19.289	17.901	17.335	17.126	17.002	17.847	335.535
43	23.05899	51.13356	21.097	19.687	19.048	18.754	18.625	23.06210	51.14052	21.122	19.660	19.062	18.767	18.638	26.005	15.678
44	23.10834	51.42887	18.863	17.462	16.867	16.621	16.484	23.09885	51.43264	18.862	17.483	16.896	16.639	16.496	25.271	302.545
45	23.36148	54.72181	19.966	18.525	17.891	17.658	17.524	23.35654	54.72545	19.945	18.542	17.894	17.669	17.540	16.64	321.888
46	23.38992	47.94586	19.621	18.248	17.714	17.526	17.425	23.38562	47.94506	19.609	18.223	17.716	17.518	17.400	10.767	254.432
47	23.41139	45.63444	20.399	18.799	18.174	17.932	17.858	23.41037	45.63063	20.380	18.779	18.180	17.941	17.836	13.925	190.632
48	23.42071	54.41358	18.483	16.983	16.395	16.185	16.045	23.41357	54.41727	18.500	16.999	16.400	16.174	16.051	20.001	311.595
49	23.43073	47.57605	16.632	15.143	14.553	14.371	14.268	23.43217	47.57406	16.637	15.144	14.569	14.371	14.279	7.963	153.916
50	23.66955	52.87050	17.679	16.116	15.455	15.159	14.999	23.65901	52.86594	17.667	16.125	15.459	15.177	15.025	28.172	234.337
51	23.92106	56.86449	21.614	19.859	18.873	18.444	18.117	23.92430	56.86218	21.605	19.840	18.897	18.455	18.115	10.469	142.389
52	23.93085	55.48167	18.640	17.072	16.356	16.076	15.930	23.92759	55.48690	18.665	17.093	16.362	16.068	15.905	19.977	340.563
53	23.97493	54.59882	18.209	17.006	16.544	16.396	16.310	23.97815	54.59781	18.237	17.004	16.550	16.403	16.291	7.637	118.48
54	23.97512	53.94906	19.279	17.887	17.337	17.103	16.993	23.97868	53.94713	19.264	17.917	17.351	17.112	16.983	10.23	132.556
55	23.98029	48.84194	20.456	18.994	18.330	18.061	17.958	23.98411	48.84016	20.483	18.994	18.340	18.038	17.944	11.095	125.44
56	23.99254	51.55425	20.414	19.037	18.482	18.250	18.141	23.99698	51.54647	20.423	19.056	18.484	18.240	18.155	29.718	160.453
57	24.01151	57.68804	20.745	19.032	18.092	17.643	17.315	24.00939	57.68758	20.773	19.021	18.118	17.661	17.339	4.419	247.852
58	24.01411	56.33327	17.667	16.044	15.270	14.921	14.733	24.02193	56.33255	17.675	16.032	15.273	14.933	14.752	15.82	99.431
59	24.07716	55.83431	19.908	18.406	17.737	17.443	17.284	24.06759	55.83526	19.936	18.421	17.746	17.433	17.268	19.654	280.025
60	24.12992	53.91065	20.158	18.558	17.917	17.706	17.513	24.12803	53.90502	20.137	18.571	17.919	17.711	17.509	20.658	191.231
61	24.23303	56.07045	21.857	19.309	18.142	17.693	17.420	24.22400	56.06700	21.865	19.295	18.156	17.683	17.395	21.996	235.545
62	24.40026	29.91827	18.720	17.220	16.681	16.507	16.386	24.39893	29.91519	18.748	17.217	16.683	16.488	16.365	11.851	200.549
63	24.48399	54.60761	19.852	18.558	18.125	17.875	17.722	24.47909	54.61459	19.856	18.583	18.130	17.868	17.736	27.133	337.897
64	24.49005	54.92589	21.329	19.560	18.768	18.448	18.232	24.50325	54.92629	21.335	19.590	18.789	18.461	18.227	27.331	87.015
65	24.55884	57.19152	20.641	18.920	17.997	17.525	17.243	24.55507	57.18917	20.652	18.947	17.998	17.498	17.213	11.209	220.965
66	24.55913	58.99011	19.389	17.640	16.868	16.504	16.265	24.54371	58.99145	19.363	17.653	16.879	16.516	16.277	28.999	279.567
67	24.56785	49.23848	19.638	18.240	17.691	17.479	17.367	24.56604	49.23904	19.659	18.268	17.704	17.480	17.378	4.705	295.274
68	24.61795	55.19028	19.912	18.261	17.476	17.158	17.007	24.61471	55.18640	19.912	18.262	17.495	17.173	17.015	15.483	205.474
69	24.81326	58.14576	19.395	17.996	17.415	17.159	16.982	24.80599	58.14902	19.395	18.024	17.419	17.133	16.958	18.134	310.446

70	24.86461	59.01439	21.658	19.717	18.720	18.256	17.951	24.86427	59.01903	21.649	19.698	18.722	18.248	17.962	16.714	357.848
71	24.89844	-1.98493	20.368	17.819	16.448	15.846	15.499	24.90304	-1.98622	20.371	17.813	16.471	15.865	15.515	17.192	105.699
72	24.90337	54.38668	18.591	17.345	16.919	16.768	16.688	24.90895	54.38006	18.609	17.371	16.936	16.771	16.686	26.562	153.862
73	24.91760	58.05919	18.817	17.360	16.688	16.415	16.219	24.91107	58.06031	18.845	17.351	16.711	16.431	16.234	13.062	287.924
74	24.93215	58.97336	20.163	18.210	17.225	16.805	16.548	24.92003	58.97219	20.158	18.221	17.240	16.819	16.522	22.896	259.333
75	25.10759	58.84184	20.652	18.923	18.064	17.658	17.379	25.09293	58.83897	20.644	18.897	18.068	17.668	17.362	29.196	249.243
76	25.14064	55.78084	20.337	18.596	17.773	17.406	17.148	25.14556	55.78452	20.346	18.625	17.796	17.434	17.122	16.559	37
77	25.14125	55.52707	17.267	15.894	15.307	15.069	14.949	25.13612	55.52402	17.241	15.888	15.307	15.060	14.924	15.169	223.605
78	25.17756	60.57412	20.526	18.442	17.385	16.882	16.542	25.16916	60.57599	20.528	18.467	17.405	16.891	16.532	16.306	294.332
79	25.27185	54.53188	20.116	18.541	17.868	17.577	17.404	25.25792	54.53146	20.118	18.556	17.879	17.582	17.383	29.131	267.056
80	25.32140	55.17160	18.499	17.162	16.699	16.521	16.450	25.33032	55.16824	18.517	17.184	16.712	16.534	16.463	21.964	123.383
81	25.46311	59.88709	19.308	17.584	16.735	16.331	16.073	25.46394	59.89181	19.319	17.607	16.736	16.343	16.089	17.075	5.034
82	25.48896	58.10217	21.868	20.307	19.585	19.184	18.925	25.48251	58.09860	21.847	20.333	19.602	19.170	18.924	17.774	223.64
83	25.51459	56.41790	19.443	17.887	17.142	16.814	16.631	25.52241	56.41752	19.417	17.913	17.164	16.820	16.613	15.625	95.104
84	25.52529	59.32007	21.289	19.316	18.293	17.849	17.558	25.53496	59.31379	21.307	19.308	18.307	17.861	17.554	28.759	141.849
85	25.53617	58.78146	20.667	19.058	18.196	17.824	17.545	25.53699	58.77446	20.696	19.036	18.199	17.796	17.552	25.26	176.535
86	25.61283	57.12204	18.587	17.026	16.287	15.965	15.773	25.61183	57.12135	18.595	17.029	16.294	15.976	15.774	3.148	218.551
87	25.66301	56.64076	21.217	19.659	18.977	18.671	18.470	25.65529	56.64378	21.207	19.633	19.000	18.688	18.479	18.738	305.411
88	25.69261	50.45959	21.370	20.145	19.602	19.399	19.342	25.68193	50.46047	21.396	20.135	19.623	19.424	19.353	24.677	277.425
89	25.70086	54.30174	19.736	18.356	17.899	17.625	17.514	25.68729	54.30088	19.724	18.370	17.899	17.640	17.542	28.677	263.754
90	25.78041	53.43145	19.762	17.935	17.167	16.867	16.697	25.78624	53.43693	19.737	17.958	17.187	16.873	16.691	23.372	32.376
91	25.80280	59.08491	19.149	17.547	16.774	16.404	16.153	25.81147	59.08869	19.162	17.549	16.778	16.419	16.175	21.042	49.62
92	25.92343	56.82346	20.520	18.711	17.899	17.523	17.300	25.91389	56.82236	20.513	18.706	17.912	17.526	17.316	19.219	258.089
93	25.95326	56.58559	20.270	18.710	17.983	17.541	17.308	25.96059	56.59201	20.293	18.700	17.983	17.542	17.280	27.301	32.185
94	26.01793	55.42238	20.299	18.886	18.261	17.970	17.747	26.00918	55.42607	20.279	18.914	18.267	17.947	17.749	22.273	306.58
95	26.07504	9.41214	18.700	16.767	16.007	15.716	15.558	26.07683	9.41274	18.718	16.796	16.023	15.722	15.559	6.72	71.025
96	26.08465	60.46993	21.468	19.558	18.534	17.997	17.650	26.08061	60.46872	21.451	19.556	18.537	18.008	17.653	8.384	238.851
97	26.08543	59.35264	20.336	18.589	17.614	17.170	16.868	26.08811	59.35536	20.308	18.570	17.622	17.158	16.885	10.964	26.635
98	26.14703	59.56488	20.781	18.942	18.019	17.600	17.357	26.16013	59.56386	20.775	18.952	18.045	17.616	17.360	24.174	98.742
99	26.26693	54.62345	19.494	18.140	17.590	17.349	17.215	26.26025	54.62366	19.473	18.140	17.591	17.345	17.229	13.947	273.069
100	26.28055	53.38256	16.005	14.570	14.107	13.922	13.856	26.28038	53.38032	15.976	14.599	14.124	13.923	13.831	8.079	182.584
101	26.30833	58.49129	19.539	18.046	17.442	17.152	16.978	26.31357	58.49051	19.513	18.039	17.456	17.174	16.993	10.253	105.972
102	26.32431	58.40803	20.718	19.098	18.275	17.886	17.648	26.33737	58.41187	20.728	19.118	18.286	17.900	17.648	28.246	60.663
103	26.36830	59.27857	19.278	17.717	16.946	16.604	16.338	26.36226	59.27866	19.264	17.716	16.947	16.603	16.325	11.115	271.772
104	26.38753	55.93646	19.410	17.864	17.201	16.944	16.768	26.39240	55.93995	19.436	17.865	17.209	16.962	16.778	15.949	38.037
105	26.39642	64.10025	20.824	19.035	18.038	17.589	17.202	26.39198	64.09248	20.839	19.048	18.044	17.566	17.181	28.843	194.01
106	26.42166	56.84652	18.608	16.788	15.967	15.638	15.426	26.42249	56.84926	18.628	16.808	15.989	15.659	15.445	10.017	9.422
107	26.44880	63.11375	21.231	19.270	18.237	17.711	17.350	26.43449	63.11589	21.223	19.278	18.242	17.708	17.336	24.552	288.298

108	26.49542	63.00947	20.272	18.238	17.188	16.671	16.333	26.50613	63.01488	20.276	18.248	17.213	16.691	16.345	26.193	41.923
109	26.52058	59.22422	19.467	17.681	16.772	16.362	16.109	26.51587	59.22498	19.490	17.696	16.785	16.380	16.130	9.103	287.536
110	26.62397	57.60498	19.642	18.179	17.477	17.154	16.918	26.62819	57.60272	19.654	18.196	17.479	17.142	16.912	11.509	134.949
111	26.71675	64.60783	20.318	18.300	17.243	16.764	16.410	26.71427	64.59957	20.345	18.317	17.266	16.784	16.415	29.978	187.344
112	26.76095	60.27930	19.948	18.262	17.540	16.993	16.762	26.77606	60.27692	19.967	18.289	17.556	17.020	16.757	28.292	107.654
113	26.79911	56.54306	19.859	18.262	17.608	17.282	17.099	26.79058	56.54678	19.843	18.237	17.609	17.311	17.125	21.582	308.322
114	26.85609	64.40831	21.474	19.635	18.525	18.002	17.682	26.84675	64.40842	21.465	19.633	18.551	18.007	17.683	14.532	271.61
115	26.86902	56.04419	19.308	17.914	17.301	17.047	16.922	26.87454	56.04446	19.291	17.928	17.305	17.051	16.924	11.137	85.004
116	26.90793	58.28803	19.950	18.280	17.463	17.081	16.807	26.89995	58.28671	19.924	18.303	17.470	17.087	16.837	15.828	252.638
117	26.93717	63.14393	20.717	18.822	17.792	17.304	16.999	26.93465	63.14721	20.721	18.827	17.816	17.319	16.996	12.486	340.849
118	26.94217	54.85456	19.194	17.737	17.133	16.923	16.824	26.95154	54.85269	19.172	17.740	17.155	16.929	16.844	20.562	109.13
119	26.99784	57.40665	18.752	17.237	16.611	16.307	16.132	26.99134	57.40252	18.724	17.267	16.622	16.321	16.141	19.489	220.292
120	27.01132	61.01450	20.376	18.614	17.719	17.234	16.967	27.01323	61.00874	20.396	18.614	17.721	17.226	16.961	20.999	170.866
121	27.08039	63.31409	21.735	19.662	18.640	18.104	17.796	27.06269	63.31519	21.708	19.655	18.647	18.087	17.771	28.9	277.901
122	27.12459	56.63412	20.273	18.937	18.328	18.062	17.919	27.11069	56.63565	20.277	18.938	18.329	18.050	17.918	28.066	281.295
123	27.12584	57.08463	19.535	18.207	17.631	17.378	17.256	27.13205	57.08907	19.526	18.221	17.636	17.382	17.236	20.076	37.287
124	27.14950	59.93966	20.410	18.475	17.473	16.985	16.619	27.14938	59.94181	20.437	18.486	17.484	16.991	16.637	7.741	358.343
125	27.24173	57.94661	18.353	16.847	16.229	15.949	15.803	27.24428	57.94942	18.376	16.839	16.254	15.944	15.773	11.215	25.735
126	27.31652	55.85707	21.360	19.356	18.382	17.967	17.698	27.32280	55.86317	21.344	19.357	18.392	17.945	17.725	25.338	30.032
127	27.39654	60.19629	21.337	19.478	18.494	18.007	17.692	27.40247	60.19269	21.358	19.488	18.506	18.033	17.707	16.746	140.694
128	27.42525	55.69539	17.995	16.222	15.350	14.943	14.769	27.42251	55.69713	17.975	16.198	15.360	14.963	14.787	8.37	318.32
129	27.44045	60.82885	19.421	17.622	16.632	16.164	15.864	27.44168	60.82367	19.442	17.609	16.643	16.175	15.881	18.794	173.428
130	27.47909	56.63675	21.003	19.292	18.536	18.155	18.024	27.47482	56.64328	21.010	19.316	18.566	18.175	18.050	24.986	340.248
131	27.52749	57.13417	18.305	16.695	15.989	15.694	15.520	27.52669	57.12870	18.328	16.716	15.999	15.704	15.527	19.756	184.512
132	27.58570	58.38524	18.948	17.278	16.518	16.142	15.900	27.58132	58.39080	18.927	17.289	16.521	16.137	15.889	21.657	337.561
133	27.62327	57.65846	20.581	19.076	18.377	18.052	17.898	27.60974	57.65812	20.608	19.088	18.392	18.078	17.891	26.087	267.34
134	27.70475	57.67908	20.465	18.982	18.246	17.897	17.677	27.70128	57.67384	20.477	18.987	18.249	17.884	17.667	19.984	199.532
135	27.77993	59.74280	21.496	19.549	18.713	18.306	17.996	27.76907	59.73687	21.503	19.573	18.728	18.292	18.013	29.043	222.696
136	27.84778	56.65850	18.907	17.317	16.566	16.261	16.099	27.85502	56.65451	18.894	17.345	16.583	16.255	16.073	20.276	135.006
137	27.86807	64.65845	21.046	19.053	18.082	17.552	17.290	27.87242	64.65187	21.046	19.073	18.105	17.575	17.317	24.607	164.195
138	27.87961	65.12265	20.341	18.379	17.399	16.920	16.617	27.87524	65.12980	20.323	18.372	17.407	16.934	16.618	26.553	345.571
139	27.89000	58.62131	21.751	19.753	18.749	18.299	17.971	27.88030	58.62658	21.741	19.762	18.759	18.305	17.984	26.263	316.161
140	27.89438	64.29473	21.796	19.729	18.680	18.126	17.768	27.88066	64.29384	21.770	19.738	18.700	18.138	17.798	21.667	261.553
141	27.96789	57.64190	20.013	18.591	17.966	17.709	17.515	27.95459	57.64382	20.008	18.620	17.994	17.713	17.518	26.553	285.122
142	27.96941	62.38031	21.413	19.480	18.431	17.917	17.606	27.97005	62.38252	21.400	19.506	18.431	17.909	17.576	8.036	7.605
143	28.03766	56.87962	18.643	17.242	16.680	16.438	16.257	28.04556	56.87858	18.663	17.252	16.697	16.441	16.266	15.976	103.487
144	28.05200	57.94502	18.956	17.520	16.873	16.566	16.370	28.04069	57.94441	18.977	17.511	16.875	16.571	16.374	21.733	264.18
145	28.15127	57.93839	20.645	19.071	18.377	17.993	17.826	28.15900	57.93222	20.655	19.078	18.385	18.016	17.809	26.679	146.373

146	28.21333	58.07640	18.996	17.501	16.828	16.529	16.318	28.21480	58.07097	19.023	17.511	16.830	16.530	16.347	19.759	171.864
147	28.32351	57.95120	21.294	19.740	18.928	18.557	18.304	28.30932	57.95464	21.269	19.751	18.948	18.572	18.324	29.792	294.518
148	28.45833	64.00106	21.342	19.210	18.226	17.691	17.334	28.44352	64.00196	21.313	19.220	18.242	17.718	17.330	23.59	277.844
149	28.52179	63.32832	18.798	17.209	16.467	16.116	15.903	28.51580	63.32376	18.789	17.235	16.492	16.133	15.908	19.037	210.535
150	28.62016	62.67099	19.923	17.967	16.882	16.321	15.915	28.60621	62.67552	19.907	17.966	16.887	16.317	15.922	28.237	305.281
151	28.67268	63.13810	19.238	17.670	16.913	16.536	16.325	28.67913	63.13425	19.237	17.686	16.924	16.535	16.319	17.372	142.864
152	28.73505	65.07786	20.836	19.091	18.125	17.653	17.321	28.72794	65.07031	20.843	19.111	18.136	17.652	17.340	29.24	201.629
153	28.80192	58.59398	20.052	18.524	17.792	17.470	17.268	28.79501	58.59615	20.066	18.515	17.802	17.476	17.279	15.129	301.026
154	28.96201	59.81445	21.845	19.969	18.986	18.559	18.221	28.95267	59.81991	21.855	19.976	18.997	18.537	18.198	25.935	319.297
155	28.96473	61.60629	21.815	19.899	18.823	18.271	17.861	28.97170	61.60841	21.808	19.903	18.823	18.282	17.873	14.164	57.508
156	28.97009	63.32695	20.321	18.611	17.701	17.294	16.990	28.95535	63.33131	20.336	18.627	17.728	17.308	17.015	28.521	303.389
157	28.99840	66.89984	18.388	16.106	14.892	14.284	13.922	28.98954	66.90075	18.413	16.126	14.896	14.284	13.923	12.922	284.635
158	29.29299	59.81603	21.335	19.613	18.598	18.141	17.796	29.30473	59.82054	21.336	19.604	18.598	18.132	17.783	26.752	52.62
159	29.49829	64.69516	20.652	19.008	18.135	17.692	17.393	29.49014	64.69234	20.635	19.018	18.163	17.715	17.422	16.142	231.016
160	29.52856	62.63820	20.585	18.625	17.610	17.064	16.736	29.52888	62.64000	20.593	18.622	17.622	17.073	16.748	6.511	4.756
161	29.58645	64.62463	19.766	18.018	17.135	16.691	16.395	29.60405	64.62228	19.752	18.030	17.141	16.700	16.400	28.444	107.329
162	29.60893	64.10674	21.557	19.727	18.627	18.142	17.727	29.61164	64.11200	21.559	19.756	18.629	18.116	17.723	19.425	12.713
163	29.83832	63.96203	21.629	19.607	18.513	17.912	17.527	29.83440	63.96444	21.653	19.618	18.530	17.926	17.527	10.641	324.412
164	29.93201	64.77767	18.726	16.933	16.289	15.993	15.777	29.92293	64.77153	18.742	16.925	16.290	15.984	15.754	26.116	212.201
165	29.99766	63.22640	20.614	18.704	17.709	17.199	16.863	29.99576	63.23081	20.606	18.730	17.728	17.186	16.859	16.205	349.046
166	30.12250	62.67199	21.317	19.620	18.625	18.160	17.840	30.12422	62.67031	21.301	19.627	18.641	18.133	17.845	6.665	154.737
167	30.14801	63.15669	21.649	19.463	18.319	17.759	17.378	30.15769	63.16189	21.662	19.482	18.323	17.787	17.350	24.446	40.09
168	30.16668	64.42279	21.635	19.513	18.236	17.620	17.185	30.16348	64.42749	21.609	19.537	18.249	17.608	17.179	17.634	343.623
169	30.19329	64.80014	18.024	16.308	15.469	15.072	14.814	30.19900	64.80293	18.017	16.330	15.470	15.071	14.826	13.335	41.034
170	30.27021	63.54252	18.379	16.734	15.934	15.569	15.371	30.25540	63.54604	18.380	16.740	15.961	15.592	15.387	26.934	298.116
171	30.38481	64.63608	20.670	18.911	18.013	17.578	17.272	30.36784	64.63374	20.671	18.884	18.020	17.570	17.269	27.486	252.197
172	30.74201	63.86901	21.709	19.733	18.696	18.206	17.821	30.74310	63.86709	21.703	19.714	18.717	18.196	17.825	7.13	165.961
173	30.75545	69.54484	20.971	18.653	17.457	16.819	16.417	30.74909	69.54496	20.962	18.646	17.461	16.800	16.389	8.018	272.952
174	30.77357	62.90034	20.681	18.691	17.617	17.088	16.673	30.77165	62.89526	20.676	18.683	17.642	17.104	16.693	18.564	189.773
175	30.79772	65.44032	20.903	19.142	18.249	17.841	17.540	30.79725	65.43300	20.927	19.157	18.271	17.827	17.515	26.336	181.533
176	30.87469	63.05141	19.208	17.519	16.830	16.493	16.276	30.88398	63.04736	19.234	17.529	16.833	16.484	16.256	21.035	133.861
177	31.09332	65.38273	19.939	17.998	17.016	16.540	16.235	31.10419	65.38240	19.959	18.021	17.042	16.568	16.248	16.337	94.255
178	31.43107	65.21510	21.285	19.175	18.176	17.680	17.329	31.42567	65.21190	21.301	19.166	18.198	17.694	17.320	14.135	215.23
179	31.43448	63.92886	20.892	19.076	17.994	17.529	17.118	31.44547	63.93379	20.873	19.091	18.020	17.528	17.148	24.841	44.414
180	31.44113	4.35480	21.988	19.064	17.601	16.491	15.893	31.44139	4.35364	22.003	19.087	17.622	16.482	15.893	4.284	167.491
181	31.66162	65.01125	21.015	18.995	17.966	17.469	17.133	31.65457	65.00699	21.039	19.022	17.974	17.440	17.106	18.7	215.033
182	31.71213	22.22441	18.578	17.005	16.342	16.087	15.955	31.71130	22.22371	18.596	17.025	16.345	16.088	15.960	3.717	227.463
183	31.73074	64.90267	20.952	19.101	18.024	17.487	17.141	31.74455	64.90284	20.967	19.102	18.028	17.500	17.162	21.093	88.414

184	31.94726	47.20818	19.002	17.736	17.247	17.053	16.961	31.95468	47.20770	18.977	17.762	17.276	17.081	16.987	18.233	95.484
185	32.02464	64.13538	19.065	17.218	16.294	15.838	15.547	32.02781	64.13303	19.072	17.242	16.301	15.839	15.546	9.791	149.446
186	32.26118	64.32310	20.588	18.848	17.891	17.458	17.155	32.25338	64.32579	20.599	18.824	17.892	17.463	15.167	15.559	308.553
187	32.37251	32.42840	17.772	16.364	15.824	15.638	15.551	32.36925	32.42113	17.785	16.392	15.842	15.651	15.554	27.99	200.713
188	32.45102	64.75692	19.213	17.211	16.359	15.955	15.671	32.46083	64.75572	19.206	17.212	16.360	15.950	15.654	15.66	105.986
189	32.68665	28.63211	17.361	15.963	15.451	15.231	15.148	32.68315	28.62926	17.352	15.982	15.458	15.251	15.162	15.11	227.083
190	34.10906	68.75838	21.889	20.068	18.948	18.381	17.975	34.10255	68.76603	21.862	20.047	18.952	18.380	17.979	28.795	342.827
191	34.53296	46.45804	17.930	16.592	16.083	15.888	15.805	34.53792	46.45901	17.921	16.589	16.093	15.902	15.826	12.776	74.275
192	34.56795	47.23399	18.936	17.556	17.057	16.874	16.771	34.56898	47.23198	18.921	17.576	17.077	16.888	16.767	7.669	160.81
193	34.61015	70.33139	21.035	18.795	17.477	16.778	16.309	34.62047	70.33592	21.034	18.802	17.494	16.798	16.333	20.541	37.507
194	35.05125	72.21145	21.129	19.001	17.772	17.110	16.675	35.05673	72.20830	21.107	18.983	17.773	17.125	16.699	12.838	152.032
195	35.27418	45.13874	19.318	18.160	17.741	17.616	17.546	35.27106	45.13662	19.326	18.142	17.748	17.624	17.573	10.995	226.055
196	35.36935	46.16582	18.781	17.623	17.176	17.014	16.948	35.36620	46.16448	18.792	17.608	17.194	17.038	16.975	9.209	238.463
197	35.36969	48.88917	20.522	18.798	18.079	17.782	17.636	35.36592	48.89191	20.549	18.789	18.079	17.787	17.659	13.315	317.882
198	35.49877	69.07224	18.563	15.959	14.476	13.660	13.211	35.49016	69.06641	18.581	15.974	14.486	13.667	13.216	23.721	207.807
199	35.50350	72.86607	20.424	18.593	17.615	17.118	16.840	35.52157	72.86097	20.426	18.620	17.637	17.133	16.861	26.546	133.767
200	35.56961	47.91275	17.723	16.275	15.718	15.504	15.410	35.57177	47.91413	17.728	16.283	15.735	15.514	15.417	7.198	46.333
201	35.71052	73.75574	20.935	19.177	18.210	17.715	17.447	35.71055	73.75965	20.944	19.172	18.214	17.724	17.461	14.074	0.14
202	35.75378	45.29465	18.575	17.293	16.851	16.696	16.632	35.75698	45.28968	18.574	17.297	16.868	16.717	16.648	19.655	155.646
203	35.83761	70.19422	20.279	18.341	17.282	16.751	16.407	35.83257	70.19625	20.308	18.348	17.302	16.767	16.414	9.55	319.907
204	35.90828	48.87340	20.532	19.050	18.424	18.191	18.067	35.91652	48.87777	20.556	19.072	18.427	18.177	18.045	25.056	51.14
205	36.00179	48.29499	20.671	18.825	18.031	17.724	17.562	35.99333	48.30104	20.660	18.828	18.051	17.743	17.561	29.752	317.048
206	36.24229	71.15833	19.879	17.872	16.785	16.224	15.840	36.25517	71.15800	19.861	17.871	16.786	16.239	15.857	15.027	94.476
207	36.68648	46.16682	19.401	18.002	17.448	17.244	17.162	36.68282	46.15954	19.422	18.010	17.461	17.256	17.134	27.738	199.188
208	36.88559	70.89731	17.872	16.129	15.276	14.894	14.655	36.88722	70.89044	17.850	16.117	15.289	14.903	14.658	24.807	175.565
209	37.08753	48.05667	17.720	16.416	15.907	15.745	15.658	37.08207	48.06263	17.717	16.418	15.930	15.755	15.638	25.155	328.556
210	37.13399	70.96409	18.044	15.449	14.171	13.717	13.463	37.14554	70.96090	18.073	15.459	14.172	13.712	13.456	17.774	130.244
211	37.30605	71.77077	16.330	14.814	14.210	13.966	13.872	37.29343	71.77024	16.345	14.841	14.224	13.984	13.890	14.341	262.388
212	37.39926	47.45284	16.866	15.533	15.041	14.862	14.788	37.38773	47.45336	16.850	15.548	15.066	14.863	14.771	28.145	273.819
213	37.96580	70.44633	20.786	19.010	18.080	17.643	17.345	37.97950	70.44182	20.779	19.012	18.082	17.630	17.356	23.152	134.521
214	38.05948	48.45753	19.333	17.996	17.511	17.315	17.198	38.06814	48.46071	19.308	18.011	17.526	17.332	17.217	23.625	61.046
215	38.28279	46.92132	20.163	18.764	18.158	17.923	17.829	38.28592	46.91851	20.141	18.757	18.158	17.919	17.826	12.717	142.745
216	38.68100	25.33456	17.108	15.912	15.476	15.313	15.267	38.67631	25.33301	17.102	15.903	15.493	15.331	15.288	16.246	249.885
217	38.83654	27.74500	17.564	16.226	15.673	15.434	15.333	38.84236	27.74149	17.576	16.249	15.678	15.448	15.344	22.422	124.306
218	39.22167	44.63248	19.877	18.174	17.566	17.371	17.307	39.23090	44.63082	19.870	18.195	17.582	17.378	17.293	24.391	104.118
219	39.90267	46.52815	21.306	19.126	18.225	17.889	17.655	39.91323	46.52838	21.291	19.142	18.237	17.861	17.639	26.158	88.146
220	39.91864	45.13469	20.688	19.284	18.694	18.480	18.376	39.91032	45.13904	20.668	19.290	18.712	18.484	18.362	26.308	306.546
221	40.20708	75.42770	20.314	18.530	17.552	17.024	16.729	40.20245	75.43382	20.298	18.523	17.567	17.053	16.752	22.431	349.222

222	40.26495	44.22946	19.604	18.205	17.635	17.395	17.304	40.26864	44.23370	19.581	18.211	17.645	17.401	17.326	17.985	31.932
223	40.99877	46.14799	18.587	17.331	16.897	16.712	16.639	40.99996	46.14753	18.562	17.352	16.903	16.734	16.638	3.396	119.161
224	41.13806	32.55208	18.289	16.952	16.422	16.193	16.092	41.13733	32.55579	18.298	16.962	16.424	16.188	16.082	13.518	350.621
225	41.24309	72.76945	21.073	19.325	18.409	17.968	17.699	41.22445	72.76409	21.097	19.323	18.418	17.969	17.682	27.679	225.897
226	41.25812	42.85852	21.422	20.261	19.734	19.534	19.348	41.26118	42.86238	21.436	20.281	19.755	19.526	19.353	16.063	30.132
227	41.36852	75.57642	21.035	19.085	18.104	17.633	17.384	41.35854	75.57895	21.036	19.096	18.127	17.655	17.405	12.763	315.512
228	41.71225	46.58925	20.531	19.170	18.556	18.309	18.177	41.72137	46.58643	20.540	19.176	18.572	18.325	18.192	24.732	114.23
229	42.03636	43.71681	17.840	16.603	16.134	15.952	15.872	42.02822	43.71643	17.845	16.615	16.137	15.944	15.853	21.238	266.316
230	42.51102	75.25056	19.608	17.803	16.926	16.545	16.312	42.49714	75.24699	19.606	17.798	16.943	16.563	16.335	18.1	224.678
231	42.52666	44.35064	18.433	17.140	16.624	16.438	16.365	42.51638	44.35206	18.421	17.120	16.640	16.457	16.387	26.951	280.879
232	42.73561	45.30399	21.504	19.644	18.792	18.443	18.235	42.73681	45.30232	21.502	19.659	18.803	18.451	18.208	6.74	153.227
233	42.78628	29.86471	18.484	16.812	16.134	15.900	15.768	42.78580	29.86283	18.477	16.797	16.134	15.910	15.793	6.944	192.314
234	42.82310	41.85426	18.124	16.851	16.383	16.206	16.133	42.82356	41.86103	18.140	16.881	16.391	16.203	16.139	24.385	2.887
235	42.83665	42.44730	17.878	16.654	16.217	16.105	16.039	42.83828	42.44885	17.866	16.669	16.241	16.120	16.061	7.065	37.739
236	42.85897	44.64312	19.059	17.644	17.062	16.840	16.721	42.86045	44.64666	19.040	17.629	17.062	16.846	16.729	13.293	16.579
237	43.01404	32.83399	19.105	17.746	17.208	17.002	16.904	43.01620	32.84068	19.094	17.751	17.213	17.013	16.923	24.935	15.148
238	43.31001	46.19924	19.547	18.183	17.648	17.406	17.249	43.30991	46.19151	19.547	18.197	17.656	17.414	17.272	27.803	180.517
239	43.42871	35.19964	18.852	17.748	17.339	17.181	17.132	43.43480	35.19788	18.860	17.754	17.362	17.192	17.146	18.99	109.465
240	43.52175	46.79460	17.760	16.452	15.907	15.679	15.603	43.51229	46.79959	17.744	16.471	15.929	15.695	15.611	29.437	307.639
241	43.66991	-9.03106	17.083	15.514	14.965	14.784	14.720	43.67097	-9.02991	17.076	15.515	14.969	14.794	14.732	5.611	42.563
242	44.54000	45.83529	19.723	18.222	17.560	17.274	17.100	44.54455	45.82824	19.752	18.231	17.565	17.246	17.083	27.839	155.828
243	44.65073	44.19901	20.521	19.098	18.428	18.103	17.930	44.65971	44.19975	20.531	19.117	18.447	18.112	17.914	23.312	83.483
244	44.66661	42.22164	18.014	16.323	15.713	15.525	15.451	44.66864	42.21783	18.038	16.336	15.718	15.538	15.450	14.771	158.583
245	45.01764	46.21300	18.165	16.859	16.388	16.209	16.126	45.01866	46.21684	18.137	16.864	16.395	16.217	16.134	14.075	10.409
246	45.03956	78.87284	18.826	17.251	16.522	16.208	15.982	45.02933	78.87576	18.807	17.254	16.524	16.211	15.984	12.701	325.958
247	45.41460	38.04409	19.129	17.983	17.566	17.415	17.363	45.41264	38.04151	19.147	17.984	17.582	17.412	17.382	10.828	210.922
248	45.44136	-5.01504	18.998	17.055	16.287	15.998	15.878	45.43709	-5.01589	18.978	17.041	16.296	16.013	15.899	15.604	258.65
249	45.67452	37.04131	20.534	19.333	18.811	18.614	18.569	45.67122	37.04459	20.515	19.344	18.829	18.642	18.549	15.131	321.14
250	45.98159	44.93046	20.947	19.392	18.680	18.347	18.162	45.97914	44.93761	20.971	19.420	18.694	18.337	18.173	26.489	346.347
251	45.98670	43.43035	18.798	17.645	17.248	17.121	17.055	45.98051	43.42821	18.806	17.636	17.257	17.143	17.059	17.906	244.52
252	46.08426	42.88095	17.841	16.485	15.976	15.797	15.716	46.07691	42.88073	17.844	16.500	15.981	15.798	15.706	19.398	267.665
253	46.18601	42.24524	17.955	16.535	15.976	15.776	15.666	46.19579	42.24798	17.955	16.543	15.979	15.779	15.672	27.845	69.292
254	46.30530	44.25739	19.992	18.600	18.023	17.787	17.682	46.30816	44.25018	19.969	18.615	18.045	17.811	17.690	26.999	164.132
255	46.64810	41.25565	20.253	18.749	18.201	17.956	17.897	46.65039	41.25198	20.259	18.771	18.224	17.985	17.897	14.566	154.869
256	46.79444	44.80995	21.275	19.663	18.982	18.646	18.479	46.78626	44.80982	21.252	19.647	18.983	18.650	18.454	20.891	268.734
257	47.29613	42.28010	17.825	16.464	15.931	15.725	15.638	47.29838	42.27791	17.844	16.489	15.950	15.734	15.630	9.904	142.726
258	47.41921	40.25002	21.617	19.513	18.602	18.247	18.090	47.41367	40.24929	21.619	19.509	18.623	18.255	18.103	15.42	260.284
259	47.52662	40.93416	19.822	18.543	18.121	17.954	17.893	47.52769	40.93860	19.796	18.570	18.125	17.952	17.911	16.241	10.276

260	47.63738	40.42480	19.740	18.147	17.484	17.237	17.089	47.64528	40.42070	19.710	18.165	17.499	17.214	17.069	26.2	124.263
261	47.72157	41.32397	18.534	17.163	16.637	16.441	16.356	47.72403	41.32356	18.539	17.192	16.657	16.458	16.386	6.817	102.641
262	47.88707	44.78949	19.908	18.479	17.834	17.557	17.393	47.89005	44.79402	19.879	18.450	17.847	17.570	17.412	18.012	24.972
263	48.21193	42.18816	21.648	19.247	18.174	17.723	17.482	48.21100	42.18451	21.656	19.271	18.186	17.748	17.512	13.368	190.675
264	48.31942	40.72372	21.155	19.743	19.195	19.013	18.898	48.32200	40.73091	21.127	19.767	19.217	19.009	18.899	26.796	15.207
265	48.48116	43.76079	17.644	16.253	15.680	15.433	15.311	48.47354	43.75478	17.655	16.280	15.702	15.460	15.340	29.335	222.458
266	48.50317	41.51189	18.082	16.904	16.518	16.366	16.327	48.50047	41.51408	18.090	16.882	16.520	16.382	16.349	10.71	317.283
267	48.78826	43.92235	20.468	18.811	18.076	17.763	17.579	48.78323	43.92043	20.445	18.829	18.090	17.778	17.580	14.731	242.125
268	49.23183	44.43653	21.195	19.749	19.096	18.862	18.676	49.23868	44.43119	21.168	19.731	19.107	18.879	18.706	26.056	137.527
269	49.64888	4.52979	18.014	16.857	16.458	16.289	16.198	49.64247	4.52631	18.007	16.887	16.478	16.306	16.214	26.22	241.429
270	50.03016	39.36592	20.763	19.016	18.241	17.932	17.758	50.02598	39.36472	20.734	19.019	18.264	17.941	17.764	12.404	249.53
271	51.02151	40.66364	21.752	20.301	19.588	19.299	19.127	51.01644	40.66210	21.757	20.296	19.612	19.318	19.153	14.918	248.235
272	51.22563	45.44703	19.131	17.677	17.051	16.792	16.678	51.22261	45.45458	19.123	17.675	17.063	16.793	16.653	28.236	344.319
273	51.40650	41.56783	19.381	18.095	17.557	17.341	17.220	51.40401	41.56021	19.387	18.079	17.581	17.358	17.233	28.259	193.723
274	51.75035	38.19026	19.512	18.050	17.435	17.199	17.087	51.75764	38.18945	19.517	18.035	17.442	17.205	17.084	20.841	98.134
275	51.90337	44.19008	19.487	18.083	17.467	17.256	17.131	51.89684	44.19158	19.495	18.080	17.479	17.252	17.134	17.698	287.706
276	51.94401	42.77456	19.210	17.795	17.158	16.886	16.727	51.94892	42.76728	19.193	17.813	17.181	16.901	16.727	29.248	153.681
277	52.12249	44.86784	19.960	18.271	17.584	17.265	17.101	52.12403	44.87574	19.979	18.301	17.589	17.269	17.081	28.689	7.851
278	52.36099	46.87818	19.640	17.903	17.164	16.794	16.576	52.35090	46.87628	19.667	17.931	17.181	16.780	16.571	25.75	254.605
279	52.36852	37.93180	19.380	17.349	16.386	15.968	15.711	52.37109	37.92610	19.392	17.341	16.398	15.986	15.739	21.779	160.433
280	52.38620	39.62496	20.068	17.380	15.932	15.052	14.566	52.38556	39.62144	20.042	17.400	15.952	15.067	14.593	12.796	187.919
281	52.40119	41.23448	20.579	19.000	18.319	18.070	17.886	52.41015	41.22979	20.577	19.018	18.333	18.071	17.901	29.571	124.865
282	52.58920	46.58217	20.041	18.408	17.598	17.261	17.055	52.59433	46.58487	20.051	18.427	17.624	17.281	17.070	15.985	52.548
283	52.75519	44.42311	20.573	18.861	18.094	17.795	17.609	52.75587	44.42218	20.572	18.850	18.110	17.817	17.603	3.775	152.162
284	52.75779	39.31323	19.772	18.195	17.539	17.302	17.200	52.75775	39.31852	19.761	18.173	17.563	17.316	17.208	19.015	359.733
285	52.77222	45.18398	18.732	17.264	16.566	16.280	16.069	52.77703	45.18127	18.731	17.274	16.579	16.290	16.093	15.626	128.745
286	52.80786	18.64297	17.637	16.036	15.381	15.133	15.018	52.80572	18.64071	17.609	16.043	15.383	15.124	14.993	10.944	221.906
287	53.09255	40.43439	20.862	19.408	18.694	18.417	18.304	53.08803	40.43222	20.849	19.384	18.698	18.429	18.285	14.661	237.803
288	53.09843	42.20923	20.125	18.246	17.406	17.053	16.864	53.08855	42.21160	20.141	18.260	17.419	17.045	16.838	27.69	287.974
289	53.12357	46.43420	20.484	18.874	17.965	17.511	17.241	53.12012	46.43720	20.488	18.849	17.981	17.491	17.213	13.799	321.605
290	53.43860	47.93937	19.446	17.841	17.097	16.738	16.503	53.44507	47.93473	19.447	17.860	17.104	16.752	16.532	22.874	136.93
291	53.51433	47.37584	21.544	19.566	18.530	18.032	17.737	53.52524	47.37582	21.568	19.593	18.545	18.046	17.734	26.584	90.15
292	53.76561	48.41855	18.597	16.984	16.250	15.924	15.727	53.76737	48.41126	18.576	16.957	16.254	15.946	15.755	26.6	170.931
293	53.80685	48.02155	19.365	17.636	16.796	16.397	16.168	53.80357	48.02823	19.351	17.622	16.800	16.407	16.152	25.289	341.822
294	53.88457	48.19867	18.798	17.067	16.256	15.887	15.675	53.88128	48.19823	18.820	17.096	16.275	15.908	15.687	8.073	258.619
295	53.95464	40.17411	19.222	17.976	17.459	17.254	17.180	53.96181	40.17519	19.210	17.979	17.475	17.253	17.151	20.097	78.84
296	54.51720	38.33203	18.118	16.756	16.203	15.976	15.884	54.51369	38.33638	18.110	16.776	16.205	15.974	15.860	18.557	327.664
297	54.57733	48.34136	20.640	18.892	17.984	17.589	17.339	54.57768	48.33939	20.634	18.918	18.008	17.573	17.314	7.113	173.273

298	54.58214	41.01117	19.558	18.229	17.675	17.434	17.291	54.58290	41.00341	19.585	18.210	17.696	17.432	17.320	28.013	175.772
299	54.62713	40.76588	18.180	16.888	16.475	16.311	16.231	54.62302	40.75918	18.183	16.891	16.478	16.316	16.225	26.602	204.941
300	54.69793	48.35999	21.096	19.380	18.453	17.987	17.731	54.69359	48.36228	21.123	19.406	18.471	17.977	17.745	13.254	308.497
301	54.86182	49.04180	21.712	19.915	18.948	18.506	18.235	54.85521	49.03904	21.692	19.942	18.959	18.532	18.233	18.494	237.541
302	54.93766	37.65582	20.352	18.578	17.700	17.258	17.007	54.92903	37.65596	20.351	18.600	17.713	17.287	17.031	24.605	271.213
303	55.19485	41.34114	19.184	17.871	17.257	17.012	16.886	55.20036	41.33478	19.159	17.863	17.274	17.029	16.898	27.336	146.963
304	55.31194	49.20159	20.893	19.097	18.584	18.238	18.062	55.30759	49.19668	20.864	19.112	18.585	18.260	18.091	20.408	210.062
305	55.35531	49.83030	20.417	18.682	17.693	17.208	16.879	55.35010	49.83013	20.394	18.655	17.697	17.223	16.888	12.099	267.077
306	55.36898	36.21683	21.555	19.796	18.920	18.455	18.179	55.36898	36.21918	21.568	19.777	18.925	18.445	18.208	8.454	359.937
307	55.38083	49.71399	21.878	19.400	18.203	17.673	17.358	55.39347	49.71269	21.851	19.416	18.206	17.683	17.366	29.784	98.997
308	55.48338	47.55869	19.359	17.755	17.022	16.695	16.491	55.49069	47.56231	19.366	17.781	17.027	16.698	16.469	22.024	53.767
309	55.52242	48.79451	20.480	18.833	17.938	17.509	17.228	55.51394	48.79647	20.492	18.832	17.959	17.535	17.243	21.333	289.379
310	55.77745	46.28461	18.434	16.856	16.083	15.757	15.550	55.78381	46.28815	18.452	16.864	16.096	15.737	15.549	20.321	51.125
311	55.78095	39.71488	18.721	17.383	16.858	16.620	16.504	55.77799	39.72122	18.728	17.387	16.866	16.624	16.510	24.25	340.204
312	55.93313	48.66153	20.291	18.489	17.522	17.050	16.727	55.93051	48.66412	20.275	18.471	17.531	17.061	16.737	11.223	326.201
313	56.21347	48.12333	19.657	17.999	17.196	16.840	16.620	56.21068	48.12120	19.670	17.998	17.207	16.848	16.616	10.199	221.127
314	56.42206	50.21861	20.394	18.453	17.399	16.874	16.532	56.42707	50.22257	20.403	18.425	17.405	16.882	16.513	18.333	38.978
315	56.54531	47.03236	21.942	20.243	19.237	18.773	18.449	56.53609	47.03288	21.930	20.253	19.248	18.756	18.465	22.694	274.681
316	56.72863	47.33793	19.299	17.763	17.035	16.700	16.503	56.72943	47.34291	19.292	17.773	17.046	16.716	16.507	18.028	6.204
317	56.76506	38.74639	20.855	19.357	18.699	18.372	18.236	56.77116	38.74034	20.847	19.380	18.704	18.371	18.250	27.721	141.785
318	56.96965	49.39278	21.783	19.406	17.961	17.246	16.734	56.97627	49.38669	21.790	19.421	17.972	17.253	16.763	26.856	144.767
319	57.24705	49.13621	21.857	19.628	18.349	17.693	17.257	57.24089	49.12969	21.880	19.619	18.354	17.703	17.242	27.592	211.696
320	57.27372	49.59079	21.213	19.200	18.006	17.434	17.047	57.26995	49.58622	21.200	19.209	18.027	17.459	17.067	18.651	208.12
321	57.63850	35.89658	20.546	19.157	18.567	18.342	18.198	57.64119	35.89407	20.525	19.161	18.572	18.326	18.181	11.964	139.037
322	57.70518	50.20054	20.564	18.397	17.025	16.312	15.810	57.69359	50.20425	20.590	18.371	17.026	16.309	15.821	29.853	296.538
323	57.79620	49.02341	21.421	19.093	17.885	17.236	16.793	57.80215	49.01982	21.413	19.122	17.913	17.237	16.778	19.077	132.57
324	58.02752	50.43875	20.492	18.299	17.060	16.407	15.947	58.02591	50.43178	20.465	18.314	17.069	16.407	15.959	25.34	188.358
325	58.06594	37.22892	20.940	19.545	18.890	18.640	18.524	58.06426	37.22105	20.933	19.536	18.911	18.661	18.546	28.746	189.679
326	58.27944	36.36332	21.359	19.900	19.172	18.859	18.673	58.27931	36.36989	21.343	19.897	19.178	18.880	18.695	23.661	359.11
327	59.20520	49.16616	20.185	18.151	17.004	16.430	16.023	59.19896	49.16849	20.184	18.145	17.005	16.420	15.997	16.913	299.645
328	59.57802	49.73722	20.918	18.829	17.718	17.164	16.791	59.58124	49.73274	20.938	18.843	17.725	17.146	16.776	17.778	155.038
329	60.83504	52.45707	18.843	16.976	16.015	15.587	15.304	60.83060	52.45802	18.841	16.975	16.031	15.605	15.327	10.318	289.298
330	61.15071	-5.21076	19.570	17.845	17.138	16.853	16.702	61.14496	-5.20619	19.541	17.860	17.145	16.866	16.701	26.381	308.584
331	61.61783	53.43541	21.258	19.333	18.228	17.743	17.411	61.60672	53.43947	21.263	19.310	18.245	17.725	17.400	27.955	301.529
332	61.72172	51.12776	16.793	15.187	14.420	14.074	13.879	61.72050	51.13403	16.775	15.162	14.431	14.090	13.883	22.734	353.035
333	61.77321	53.21317	19.950	18.157	17.231	16.744	16.426	61.77601	53.21674	19.935	18.161	17.252	16.768	16.448	14.202	25.123
334	62.12692	52.85801	21.933	19.732	18.470	17.904	17.490	62.12282	52.85463	21.947	19.726	18.474	17.910	17.513	15.084	216.223
335	62.38822	54.17094	21.886	19.758	18.490	17.798	17.364	62.39327	54.17594	21.866	19.785	18.490	17.827	17.367	20.92	30.574

336	62.55065	52.66664	21.293	19.131	17.914	17.348	16.978	62.55935	52.67297	21.272	19.102	17.933	17.347	16.958	29.684	39.8
337	62.56266	26.22757	18.282	16.768	16.165	15.913	15.790	62.55436	26.22805	18.307	16.797	16.189	15.925	15.793	26.854	273.737
338	62.88364	52.24836	19.592	17.734	16.802	16.350	16.045	62.89403	52.25017	19.563	17.763	16.819	16.366	16.063	23.802	74.111
339	62.97024	53.06803	20.652	18.811	17.820	17.325	17.024	62.98175	53.07013	20.639	18.815	17.821	17.313	16.994	26.021	73.102
340	63.11738	52.15511	21.381	19.451	18.322	17.813	17.406	63.12836	52.15393	21.409	19.466	18.349	17.821	17.430	24.63	99.942
341	63.62544	53.55777	21.748	19.753	18.529	17.936	17.542	63.61659	53.56077	21.759	19.726	18.542	17.961	17.535	21.788	299.665
342	63.63906	52.82279	19.679	17.895	17.027	16.573	16.272	63.62533	52.82203	19.697	17.922	17.033	16.585	16.296	29.991	264.779
343	63.65773	52.68799	21.180	19.458	18.563	18.161	17.906	63.66101	52.68636	21.169	19.442	18.583	18.150	17.900	9.26	129.425
344	63.97894	55.95354	20.351	18.824	17.891	17.474	17.167	63.97109	55.95214	20.365	18.821	17.907	17.461	17.146	16.581	252.402
345	64.03227	31.16318	20.286	17.738	16.505	16.013	15.694	64.03202	31.16171	20.304	17.764	16.529	16.039	15.723	5.333	188.082
346	64.13383	31.06066	21.183	19.691	18.895	18.520	18.357	64.12744	31.05882	21.179	19.710	18.917	18.537	18.363	20.789	251.431
347	64.50213	29.64779	20.310	18.531	17.649	17.269	17.041	64.50166	29.64887	20.294	18.547	17.657	17.271	17.054	4.141	339.174
348	64.51680	31.73180	19.275	17.854	17.244	16.964	16.825	64.52070	31.73801	19.274	17.878	17.250	16.968	16.813	25.338	28.129
349	64.73766	31.77452	18.329	16.719	16.021	15.734	15.593	64.73048	31.77475	18.351	16.743	16.046	15.763	15.612	21.999	272.139
350	64.75184	32.61830	19.351	18.011	17.418	17.158	17.020	64.75509	32.61669	19.336	17.981	17.421	17.168	17.041	11.446	120.487
351	64.82867	53.17383	20.107	18.198	17.135	16.602	16.227	64.82557	53.17264	20.083	18.217	17.147	16.608	16.221	7.96	237.363
352	64.94915	22.14453	18.383	16.805	16.063	15.759	15.565	64.94376	22.13918	18.368	16.781	16.076	15.773	15.591	26.304	223.019
353	65.02784	36.34595	20.712	18.638	17.587	17.110	16.788	65.02409	36.34311	20.698	18.664	17.612	17.126	16.810	14.936	226.666
354	65.08687	34.80904	19.407	17.563	16.670	16.307	16.074	65.07783	34.80597	19.391	17.579	16.681	16.306	16.071	28.927	247.51
355	65.11188	33.64990	17.677	16.146	15.441	15.141	14.982	65.11265	33.65245	17.688	16.164	15.449	15.145	14.976	9.458	14.166
356	65.13413	31.23125	21.179	19.374	18.570	18.223	18.009	65.14001	31.22834	21.174	19.368	18.595	18.238	18.003	20.91	120.082
357	65.39647	56.02747	19.743	17.842	16.798	16.313	15.969	65.40177	56.02535	19.715	17.858	16.804	16.302	15.963	13.106	125.592
358	65.45919	56.83724	19.207	16.478	15.054	14.343	13.906	65.44705	56.83294	19.185	16.450	15.060	14.334	13.910	28.465	237.108
359	65.49387	53.38142	20.966	19.106	18.045	17.510	17.173	65.48847	53.38745	20.985	19.131	18.049	17.525	17.164	24.606	331.872
360	65.64580	36.42236	19.646	17.998	17.203	16.837	16.593	65.65070	36.42905	19.646	18.013	17.212	16.838	16.597	27.973	30.521
361	66.08600	32.41209	19.238	17.838	17.193	16.937	16.784	66.08011	32.41138	19.253	17.842	17.220	16.941	16.780	18.1	261.961
362	66.24788	36.43587	21.036	18.821	17.611	17.044	16.623	66.25545	36.43040	21.065	18.846	17.612	17.030	16.631	29.481	131.905
363	66.33612	56.12947	20.807	19.068	18.109	17.642	17.364	66.34170	56.12723	20.793	19.068	18.134	17.658	17.379	13.788	125.843
364	66.58597	20.52236	20.645	18.873	17.894	17.394	17.082	66.58303	20.52232	20.625	18.896	17.894	17.405	17.089	9.913	269.018
365	66.63779	55.85684	20.005	18.082	17.091	16.592	16.268	66.62883	55.85536	19.996	18.092	17.103	16.613	16.284	18.868	253.622
366	66.73674	17.55183	21.176	18.207	16.503	15.728	15.258	66.73292	17.55441	21.166	18.211	16.513	15.741	15.272	16.089	305.322
367	66.78699	35.18575	21.107	19.237	18.223	17.715	17.393	66.78262	35.19168	21.091	19.218	18.228	17.715	17.364	24.905	328.918
368	66.92591	-5.87802	18.924	16.206	14.914	14.387	14.129	66.92395	-5.87905	18.912	16.216	14.925	14.400	14.133	7.972	242.173
369	66.96891	54.37159	21.562	19.352	18.233	17.623	17.245	66.97580	54.37405	21.544	19.338	18.243	17.631	17.228	16.933	58.528
370	67.04770	56.64285	20.133	18.551	17.830	17.492	17.283	67.04984	56.64912	20.125	18.566	17.832	17.489	17.277	22.953	10.608
371	67.04900	55.32328	21.442	19.037	17.691	17.015	16.560	67.04797	55.31956	21.430	19.063	17.710	17.027	16.557	13.564	189
372	67.44003	56.12776	20.246	18.267	17.204	16.705	16.357	67.42671	56.12695	20.248	18.275	17.216	16.697	16.366	26.891	263.713
373	67.63387	56.24117	21.251	19.369	18.349	17.918	17.590	67.63713	56.24814	21.242	19.347	18.375	17.895	17.618	25.908	14.567

374	67.68853	56.14705	20.010	18.284	17.431	17.040	16.741	67.68514	56.14000	19.988	18.308	17.437	17.031	16.765	26.28	195.012
375	67.72352	55.34147	21.951	19.863	18.710	18.148	17.754	67.71000	55.34160	21.973	19.845	18.728	18.148	17.764	27.684	270.988
376	68.09451	9.22888	18.943	17.682	17.180	16.982	16.857	68.09565	9.22883	18.945	17.681	17.184	16.976	16.854	4.075	92.445
377	68.11005	57.05124	17.802	16.267	15.608	15.288	15.110	68.11180	57.05892	17.827	16.281	15.618	15.301	15.122	27.857	7.06
378	68.26533	57.08783	20.972	19.281	18.340	17.898	17.615	68.25916	57.08751	20.957	19.291	18.341	17.911	17.598	12.107	264.65
379	68.43558	56.67143	19.931	18.346	17.598	17.259	17.003	68.43176	56.67702	19.938	18.373	17.617	17.242	17.013	21.514	339.421
380	68.46979	18.76406	21.638	20.241	19.511	19.201	19.016	68.46549	18.75985	21.623	20.230	19.514	19.200	18.991	21.092	223.975
381	68.65356	20.03984	19.850	17.555	16.467	16.005	15.691	68.65768	20.04320	19.850	17.560	16.473	15.995	15.668	18.434	49.04
382	68.68708	56.88216	21.267	19.595	18.713	18.278	17.996	68.69884	56.88584	21.286	19.606	18.723	18.302	17.975	26.655	60.197
383	68.76245	57.52615	21.173	19.393	18.459	18.015	17.718	68.76075	57.52862	21.189	19.399	18.481	18.014	17.708	9.468	339.709
384	68.93388	25.89662	21.390	19.267	18.036	17.342	16.914	68.93988	25.89140	21.375	19.240	18.038	17.345	16.901	27.066	134.038
385	69.39667	18.82160	19.084	17.510	16.709	16.388	16.172	69.39521	18.82157	19.073	17.496	16.714	16.393	16.201	4.973	268.946
386	69.43925	58.45851	20.476	18.883	18.061	17.702	17.435	69.43332	58.46584	20.488	18.887	18.087	17.713	17.445	28.641	337.026
387	69.49719	57.39626	21.849	20.001	19.000	18.517	18.224	69.48963	57.39146	21.835	20.003	19.002	18.540	18.235	22.672	220.334
388	69.53616	21.39952	20.670	19.243	18.561	18.233	18.041	69.53016	21.39860	20.686	19.216	18.565	18.246	18.063	20.404	260.619
389	70.13272	57.45288	21.753	19.991	18.919	18.422	18.106	70.13354	57.44617	21.745	19.976	18.926	18.439	18.094	24.201	176.225
390	70.36871	56.21660	20.256	18.488	17.528	17.075	16.757	70.36619	56.21145	20.270	18.495	17.532	17.082	16.768	19.236	195.179
391	70.38512	59.27560	19.431	17.855	17.093	16.723	16.516	70.37822	59.26820	19.431	17.843	17.093	16.748	16.521	29.521	205.482
392	70.45558	11.11060	20.932	19.432	18.694	18.368	18.196	70.46155	11.11256	20.906	19.430	18.695	18.373	18.208	22.247	71.496
393	70.76643	59.48219	20.184	18.478	17.474	17.001	16.716	70.76828	59.47703	20.164	18.490	17.497	17.004	16.709	18.904	169.695
394	70.78535	57.97336	21.730	19.878	18.842	18.334	18.001	70.78876	57.97424	21.728	19.866	18.854	18.354	18.002	7.24	63.88
395	71.13071	57.65214	21.328	19.663	18.656	18.160	17.841	71.12157	57.65019	21.320	19.678	18.668	18.173	17.822	18.964	248.275
396	71.17744	21.85921	20.225	18.377	17.484	17.049	16.793	71.17218	21.86289	20.203	18.367	17.504	17.074	16.805	22.02	307.039
397	71.37051	57.35526	20.315	18.539	17.607	17.171	16.882	71.36027	57.35241	20.336	18.548	17.618	17.182	16.892	22.381	242.771
398	71.70817	57.19086	18.842	17.151	16.276	15.875	15.628	71.70499	57.18418	18.854	17.131	16.282	15.876	15.618	24.844	194.446
399	71.78524	57.18496	20.201	18.527	17.653	17.269	17.008	71.78048	57.18417	20.195	18.547	17.671	17.269	16.996	9.718	253.037
400	72.10425	58.69249	21.677	19.604	18.428	17.813	17.396	72.08908	58.69113	21.684	19.603	18.429	17.810	17.394	28.805	260.17
401	72.65550	24.36678	20.237	18.330	17.295	16.776	16.450	72.65219	24.37149	20.252	18.324	17.305	16.789	16.460	20.148	327.43
402	72.73890	58.27554	19.724	17.948	17.003	16.580	16.283	72.72706	58.27123	19.724	17.960	17.010	16.574	16.286	27.263	235.297
403	72.95957	23.61455	21.017	19.253	18.342	17.946	17.654	72.95967	23.61573	21.030	19.276	18.352	17.927	17.640	4.272	4.459
404	73.26531	58.16814	19.017	17.144	16.096	15.595	15.249	73.27533	58.17157	19.045	17.165	16.121	15.609	15.252	22.685	57.023
405	73.86830	22.27499	19.678	18.037	17.225	16.869	16.637	73.87632	22.27488	19.665	18.057	17.234	16.873	16.638	26.727	90.834
406	74.18390	22.85356	18.339	16.782	16.048	15.744	15.567	74.18592	22.85695	18.328	16.790	16.061	15.754	15.583	13.918	28.833
407	74.24511	-1.06869	16.556	14.887	14.292	14.099	14.000	74.24458	-1.06797	16.553	14.900	14.302	14.083	14.025	3.204	323.598
408	74.26095	23.03947	20.690	19.133	18.352	18.009	17.805	74.26494	23.03572	20.666	19.163	18.373	18.010	17.781	18.889	135.59
409	74.43401	26.07551	21.781	19.697	18.464	17.859	17.413	74.43890	26.07525	21.782	19.674	18.467	17.853	17.422	15.841	93.441
410	74.52278	57.91751	21.431	19.533	18.467	17.961	17.656	74.52714	57.92140	21.401	19.509	18.482	17.981	17.658	16.265	30.787
411	74.54308	23.86180	19.764	17.932	17.054	16.638	16.408	74.54362	23.86078	19.737	17.955	17.072	16.666	16.411	4.087	154.157

412	74.81966	14.83453	18.963	17.578	16.931	16.674	16.540	74.82264	14.84090	18.989	17.607	16.939	16.658	16.510	25.164	24.282
413	75.08547	25.00520	17.218	15.565	14.700	14.290	14.035	75.08719	25.00648	17.223	15.557	14.709	14.305	14.061	7.247	50.701
414	75.77758	59.94568	21.810	19.943	18.951	18.436	18.162	75.77027	59.94234	21.798	19.928	18.960	18.452	18.162	17.861	227.577
415	76.18714	23.68685	21.582	19.486	18.456	18.034	17.719	76.19173	23.68790	21.596	19.474	18.467	18.020	17.715	15.592	75.931
416	76.19902	24.76696	19.983	18.455	17.686	17.376	17.141	76.20258	24.75947	19.969	18.429	17.692	17.365	17.130	29.385	156.676
417	77.54195	-4.90571	20.666	19.157	18.595	18.317	18.168	77.54286	-4.90900	20.691	19.167	18.618	18.326	18.198	12.288	164.574
418	77.56768	27.29431	21.308	19.416	18.133	17.604	17.171	77.57522	27.29871	21.295	19.402	18.143	17.608	17.160	28.845	56.716
419	77.68039	0.88476	16.975	15.494	14.968	14.800	14.746	77.67917	0.88407	16.959	15.508	14.984	14.801	14.719	5.071	240.743
420	77.74096	24.98606	20.759	19.047	18.150	17.749	17.482	77.74640	24.98850	20.760	19.054	18.153	17.757	17.500	19.8	63.684
421	78.28988	59.27765	21.010	18.993	17.949	17.505	17.220	78.30310	59.27822	20.985	18.995	17.977	17.525	17.231	24.398	85.147
422	78.42680	17.41283	21.129	19.783	19.193	18.919	18.729	78.42393	17.41679	21.112	19.805	19.197	18.919	18.759	17.326	325.364
423	78.62871	27.82705	20.222	18.294	17.224	16.682	16.324	78.62562	27.82436	20.237	18.308	17.240	16.700	16.329	13.8	225.582
424	78.66346	27.24886	19.978	17.780	16.516	15.852	15.365	78.66597	27.24150	19.977	17.799	16.519	15.859	15.382	27.668	163.089
425	78.67902	28.11207	20.800	19.167	18.334	17.848	17.580	78.68679	28.11632	20.827	19.155	18.349	17.865	17.603	29.017	58.228
426	78.96228	0.20697	18.815	17.669	17.241	17.100	17.010	78.96842	0.20266	18.842	17.686	17.249	17.089	17.028	26.982	125.03
427	79.48533	25.94348	21.598	19.428	18.146	17.533	17.051	79.48899	25.93826	21.620	19.440	18.149	17.525	17.059	22.238	147.794
428	79.58171	60.27084	18.700	17.124	16.329	15.975	15.763	79.58861	60.27410	18.710	17.122	16.340	15.982	15.786	16.999	46.416
429	79.68648	27.55148	20.354	18.593	17.663	17.195	16.869	79.67927	27.55021	20.348	18.615	17.671	17.208	16.888	23.48	258.771
430	79.69622	17.92211	18.343	16.714	15.971	15.666	15.505	79.69958	17.92782	18.362	16.701	15.972	15.678	15.515	23.57	29.243
431	79.85844	28.99536	18.318	16.748	15.954	15.615	15.383	79.85693	28.99518	18.295	16.729	15.955	15.602	15.396	4.817	262.191
432	79.86314	17.16855	19.934	18.393	17.665	17.369	17.174	79.85814	17.16229	19.942	18.397	17.670	17.342	17.146	28.32	217.354
433	79.88174	28.27540	19.903	18.175	17.273	16.848	16.582	79.88833	28.27188	19.909	18.202	17.290	16.866	16.579	24.436	121.198
434	79.94588	-5.14388	18.954	17.575	16.978	16.721	16.585	79.95025	-5.13986	18.961	17.604	16.986	16.711	16.565	21.324	47.242
435	80.11437	62.82205	20.590	18.916	18.016	17.619	17.410	80.11117	62.81722	20.580	18.916	18.031	17.603	17.412	18.149	196.864
436	80.11629	28.58097	20.716	18.940	17.976	17.532	17.263	80.11030	28.58118	20.728	18.911	17.977	17.535	17.272	18.947	272.263
437	80.14873	61.39081	21.491	19.719	18.873	18.516	18.313	80.16408	61.39421	21.512	19.704	18.902	18.533	18.290	29.15	65.214
438	80.25357	16.00110	20.636	18.999	18.199	17.872	17.596	80.26193	16.00240	20.644	19.027	18.208	17.851	17.613	29.296	80.773
439	80.31297	28.17246	20.839	18.943	17.929	17.421	17.060	80.31484	28.16463	20.827	18.961	17.957	17.433	17.078	28.81	168.056
440	80.33591	-0.13551	21.564	20.035	19.411	19.161	19.021	80.34246	-0.13237	21.555	20.011	19.416	19.153	19.029	26.154	64.451
441	80.37157	61.94769	19.676	17.897	16.997	16.603	16.387	80.36852	61.95022	19.681	17.915	17.023	16.633	16.398	10.492	330.486
442	80.62258	18.14086	19.826	18.486	17.922	17.697	17.560	80.61478	18.13826	19.796	18.486	17.925	17.701	17.539	28.267	250.654
443	80.74353	18.33423	19.437	17.984	17.336	17.062	16.935	80.74437	18.34201	19.465	18.013	17.361	17.080	16.912	28.141	5.852
444	80.93176	18.34862	19.847	18.521	17.947	17.691	17.558	80.92749	18.35247	19.817	18.535	17.953	17.707	17.572	20.144	313.498
445	80.99712	18.59933	20.147	18.641	17.956	17.649	17.467	80.99575	18.60417	20.156	18.670	17.966	17.651	17.457	18.055	344.919
446	81.05006	-0.58283	18.656	17.435	17.070	16.938	16.868	81.04926	-0.58480	18.637	17.438	17.076	16.938	16.879	7.663	202.249
447	81.08581	28.42613	19.731	18.253	17.534	17.173	16.949	81.08090	28.43098	19.730	18.277	17.537	17.162	16.933	23.385	318.329
448	81.09175	28.39151	21.485	19.905	19.116	18.713	18.515	81.08893	28.39840	21.498	19.928	19.128	18.717	18.488	26.354	340.198
449	81.13704	27.25442	21.351	19.514	18.570	18.074	17.801	81.14274	27.25776	21.365	19.496	18.594	18.093	17.788	21.862	56.583

450	81.16107	16.49149	20.987	19.572	18.930	18.659	18.503	81.15756	16.49072	20.993	19.585	18.951	18.686	18.479	12.44	257.029
451	81.17684	61.05983	21.240	19.332	18.337	17.899	17.599	81.17885	61.05639	21.229	19.353	18.363	17.899	17.593	12.851	164.133
452	81.17760	27.27897	20.896	18.450	17.132	16.473	15.999	81.17847	27.27227	20.887	18.448	17.137	16.479	16.001	24.285	173.403
453	81.18168	18.16728	19.906	18.216	17.381	17.015	16.785	81.18638	18.17288	19.895	18.196	17.382	17.028	16.809	25.775	38.55
454	81.23963	29.23742	19.847	18.267	17.541	17.216	16.997	81.24639	29.24189	19.825	18.250	17.555	17.222	17.004	26.661	52.853
455	81.30533	18.59434	20.853	19.444	18.859	18.626	18.520	81.30402	18.59655	20.874	19.423	18.877	18.647	18.521	9.156	330.651
456	81.33418	29.58951	20.987	19.003	18.088	17.680	17.441	81.32550	29.58816	21.000	18.991	18.100	17.697	17.462	27.6	259.847
457	81.51631	27.55356	20.735	18.861	17.764	17.172	16.776	81.51153	27.55487	20.754	18.874	17.775	17.149	16.765	15.971	287.167
458	81.59023	29.40244	19.299	17.567	16.738	16.379	16.152	81.59581	29.40706	19.323	17.589	16.742	16.384	16.162	24.16	46.484
459	81.63461	27.33247	20.397	18.498	17.438	16.909	16.558	81.63883	27.33434	20.369	18.484	17.443	16.930	16.574	15.061	63.398
460	81.74345	28.91334	20.718	19.181	18.451	18.082	17.843	81.74640	28.91421	20.702	19.201	18.465	18.095	17.854	9.799	71.354
461	81.93864	16.97358	19.635	17.851	16.974	16.611	16.362	81.93113	16.97657	19.631	17.849	16.982	16.616	16.368	28.02	292.595
462	82.09519	19.46250	19.130	17.244	16.261	15.786	15.485	82.09543	19.46089	19.119	17.271	16.266	15.773	15.459	5.834	171.903
463	82.12036	28.21788	21.060	18.948	17.820	17.263	16.880	82.12214	28.21680	21.054	18.962	17.842	17.283	16.895	6.862	124.661
464	82.17463	19.28294	20.124	18.310	17.371	16.906	16.612	82.16728	19.28714	20.099	18.314	17.372	16.907	16.607	29.185	301.176
465	82.32066	30.17134	21.532	19.644	18.575	18.059	17.707	82.32398	30.17757	21.520	19.661	18.578	18.060	17.700	24.701	24.677
466	82.38199	19.30304	19.303	17.640	16.775	16.379	16.133	82.37532	19.30579	19.278	17.651	16.795	16.405	16.162	24.728	293.578
467	82.69936	18.06941	19.894	18.323	17.567	17.230	16.995	82.69213	18.07017	19.879	18.350	17.582	17.248	17.022	24.894	276.36
468	82.72277	63.04020	18.878	17.403	16.753	16.526	16.449	82.73762	63.04191	18.855	17.396	16.762	16.548	16.458	25	75.742
469	82.73746	17.81499	19.419	17.958	17.314	17.080	16.912	82.73973	17.81036	19.395	17.953	17.343	17.089	16.916	18.372	155.009
470	82.76312	84.43113	17.962	16.847	16.501	16.354	16.307	82.77924	84.43289	17.975	16.854	16.507	16.358	16.315	8.476	41.635
471	82.87220	0.23602	19.713	18.300	17.679	17.406	17.249	82.86731	0.24099	19.685	18.315	17.695	17.417	17.273	25.095	315.372
472	83.03593	17.77453	21.067	19.315	18.434	18.059	17.797	83.03303	17.77058	21.072	19.299	18.443	18.053	17.821	17.322	214.966
473	83.08340	-0.56386	21.768	19.593	18.645	18.231	17.919	83.08494	-0.55611	21.770	19.616	18.659	18.239	17.917	28.469	11.268
474	83.08625	19.71435	20.583	18.918	18.113	17.783	17.599	83.08954	19.70820	20.582	18.937	18.142	17.804	17.600	24.792	153.283
475	83.09173	19.05538	19.740	18.028	17.154	16.800	16.551	83.09764	19.05208	19.711	18.035	17.174	16.804	16.560	23.383	120.528
476	83.30919	19.05477	19.850	18.252	17.501	17.164	16.971	83.31684	19.05452	19.878	18.262	17.510	17.175	16.996	26.024	91.947
477	83.49805	28.12627	19.854	17.883	17.082	16.672	16.322	83.49395	28.12475	19.882	17.893	17.087	16.657	16.301	14.115	247.229
478	83.59851	17.92888	20.822	18.824	17.857	17.435	17.175	83.59723	17.92334	20.797	18.796	17.879	17.434	17.185	20.413	192.354
479	83.66162	2.50347	20.858	19.537	19.018	18.812	18.731	83.66179	2.50148	20.872	19.524	19.025	18.813	18.716	7.166	175.155
480	83.67948	44.97117	18.675	17.322	16.689	16.426	16.289	83.66958	44.97199	18.677	17.311	16.700	16.445	16.291	25.368	276.703
481	83.76184	20.69760	18.393	16.865	16.136	15.831	15.646	83.76140	20.69422	18.407	16.888	16.139	15.808	15.625	12.253	186.987
482	83.76812	5.10383	19.997	18.793	18.294	18.080	17.922	83.77208	5.10811	20.019	18.804	18.302	18.056	17.944	20.948	42.62
483	83.84487	19.90198	20.154	18.571	17.852	17.520	17.327	83.84438	19.90559	20.152	18.571	17.867	17.513	17.305	13.113	352.684
484	83.84712	18.48969	17.785	16.310	15.686	15.438	15.285	83.84537	18.48600	17.806	16.312	15.700	15.455	15.288	14.556	204.233
485	83.94949	30.68298	20.466	18.420	17.337	16.706	16.290	83.95762	30.67997	20.487	18.431	17.357	16.727	16.284	27.419	113.338
486	84.02989	29.74321	20.294	18.283	17.145	16.567	16.173	84.03655	29.74666	20.322	18.270	17.151	16.565	16.148	24.238	59.225
487	84.04767	44.78898	19.050	17.472	16.848	16.583	16.550	84.05872	44.78656	19.041	17.467	16.878	16.608	16.551	29.541	107.149

488	84.07195	20.07148	21.120	19.745	18.949	18.605	18.414	84.07312	20.07390	21.114	19.743	18.973	18.613	18.399	9.564	24.34
489	84.15690	0.22306	20.618	19.112	18.380	18.022	17.825	84.15755	0.22215	20.615	19.102	18.402	18.036	17.844	4.026	144.474
490	84.17843	46.04577	18.448	16.909	16.185	15.848	15.671	84.17741	46.04677	18.473	16.913	16.192	15.859	15.664	4.411	324.69
491	84.19455	19.60838	19.342	17.865	17.132	16.800	16.618	84.19910	19.60423	19.355	17.878	17.138	16.819	16.629	21.473	134.043
492	84.24012	-2.36505	18.643	17.096	16.435	16.169	16.033	84.23607	-2.35882	18.644	17.069	16.443	16.170	16.017	26.759	327.036
493	84.29018	20.57768	19.686	18.363	17.784	17.520	17.392	84.29658	20.57405	19.706	18.346	17.788	17.547	17.390	25.239	121.247
494	84.34544	20.84235	20.444	18.993	18.338	18.042	17.847	84.34747	20.84949	20.415	19.012	18.351	18.053	17.824	26.587	14.839
495	84.41329	19.51298	21.497	19.869	19.020	18.665	18.435	84.41553	19.51265	21.489	19.847	19.039	18.691	18.416	7.703	98.842
496	84.46788	-2.20939	18.895	17.369	16.713	16.422	16.241	84.47302	-2.20411	18.898	17.385	16.722	16.428	16.257	26.507	44.14
497	84.54192	31.41226	20.306	18.529	17.598	17.080	16.779	84.53568	31.41703	20.284	18.549	17.600	17.081	16.759	25.737	311.805
498	84.54791	3.86020	20.553	19.194	18.575	18.269	18.110	84.54046	3.86218	20.539	19.177	18.580	18.268	18.101	27.705	284.892
499	84.54800	5.22067	20.198	18.424	17.535	17.166	16.917	84.54838	5.21472	20.200	18.422	17.549	17.173	16.919	21.438	176.349
500	84.55552	19.13810	18.726	17.212	16.459	16.127	15.919	84.55808	19.14179	18.747	17.230	16.476	16.136	15.901	15.9	33.235
501	84.71396	44.95082	18.184	16.752	16.185	15.917	15.782	84.70615	44.94642	18.190	16.758	16.185	15.921	15.765	25.437	231.482
502	84.73642	46.96032	19.784	17.711	16.718	16.313	16.063	84.74229	46.95800	19.777	17.740	16.745	16.325	16.042	16.654	119.976
503	84.90619	20.14349	19.644	18.181	17.473	17.151	16.959	84.90533	20.14042	19.639	18.196	17.498	17.154	16.963	11.427	194.75
504	84.92525	30.40843	21.262	19.274	18.168	17.597	17.188	84.92184	30.41099	21.281	19.275	18.175	17.617	17.196	14.027	310.941
505	84.92606	19.12443	21.233	19.836	19.069	18.739	18.553	84.92546	19.11937	21.263	19.847	19.095	18.743	18.528	18.324	186.452
506	84.94014	6.41524	19.378	17.641	16.818	16.455	16.241	84.94338	6.41835	19.368	17.631	16.829	16.478	16.248	16.127	45.995
507	84.94151	45.30974	20.062	18.647	17.968	17.634	17.445	84.93489	45.30857	20.055	18.658	17.978	17.653	17.459	17.297	255.93
508	85.09382	-0.43488	18.010	16.616	16.090	15.864	15.746	85.09832	-0.43298	18.036	16.645	16.109	15.885	15.761	17.615	67.086
509	85.12671	62.27864	18.249	17.020	16.547	16.378	16.290	85.11953	62.28264	18.269	17.003	16.563	16.390	16.308	18.769	320.159
510	85.17216	45.61934	19.862	18.448	17.757	17.424	17.217	85.17169	45.62509	19.843	18.451	17.760	17.434	17.236	20.742	356.714
511	85.19914	28.68808	20.905	18.726	17.552	17.016	16.631	85.19900	28.68711	20.888	18.741	17.568	17.008	16.637	3.52	187.585
512	85.27965	19.13535	19.839	18.306	17.595	17.264	17.059	85.27750	19.14200	19.835	18.322	17.610	17.288	17.031	25.031	343.033
513	85.29820	18.78175	19.680	18.232	17.579	17.263	17.085	85.30350	18.78372	19.694	18.240	17.582	17.277	17.084	19.415	68.553
514	85.34658	19.96025	20.254	18.521	17.604	17.215	16.934	85.34551	19.95521	20.252	18.541	17.625	17.218	16.948	18.499	191.262
515	85.47908	30.23790	20.139	18.347	17.287	16.776	16.420	85.47603	30.24536	20.113	18.349	17.315	16.804	16.443	28.509	340.573
516	85.50004	19.08858	19.782	18.417	17.777	17.509	17.326	85.49652	19.09448	19.802	18.411	17.790	17.522	17.347	24.391	330.553
517	85.52919	19.87235	18.124	16.271	15.537	15.246	15.166	85.52215	19.87177	18.151	16.285	15.547	15.222	15.171	23.93	264.962
518	85.58609	30.23976	19.839	17.895	16.877	16.400	16.066	85.59103	30.24356	19.835	17.903	16.900	16.412	16.040	20.56	48.357
519	85.65388	19.21591	19.238	17.712	16.958	16.630	16.431	85.65325	19.20780	19.247	17.738	16.985	16.645	16.437	29.269	184.149
520	85.77945	0.81149	20.096	18.660	17.897	17.555	17.331	85.77739	0.80548	20.121	18.638	17.906	17.573	17.359	22.853	198.942
521	85.82089	3.12859	19.365	17.629	16.716	16.254	15.963	85.82315	3.12530	19.374	17.636	16.722	16.259	15.988	14.348	145.558
522	85.94996	30.09063	19.214	17.413	16.509	16.063	15.769	85.94475	30.08575	19.226	17.405	16.517	16.085	15.774	23.904	222.715
523	86.09870	21.89924	19.692	17.760	16.635	16.004	15.539	86.10487	21.89577	19.675	17.732	16.652	15.988	15.567	24.093	121.211
524	86.20373	19.67442	21.453	19.572	18.575	18.140	17.809	86.20664	19.67113	21.424	19.573	18.596	18.141	17.782	15.431	140.13
525	86.28105	19.49622	21.547	19.793	18.795	18.331	18.089	86.28014	19.49298	21.537	19.784	18.809	18.358	18.094	12.045	194.706

526	86.28712	19.54531	21.297	19.435	18.470	18.029	17.753	86.28429	19.54329	21.281	19.444	18.479	18.051	17.769	12.057	232.849
527	86.31597	21.83136	20.453	18.764	17.870	17.422	17.133	86.31914	21.82513	20.454	18.774	17.873	17.440	17.143	24.822	154.672
528	86.62743	2.25034	21.599	20.042	19.196	18.828	18.559	86.62222	2.25554	21.608	20.061	19.223	18.830	18.589	26.493	314.997
529	86.65617	29.98017	21.245	19.668	18.693	18.233	17.926	86.66466	29.97911	21.268	19.690	18.710	18.243	17.907	26.755	98.22
530	86.66929	30.86087	21.158	19.413	18.557	18.089	17.762	86.66931	30.86377	21.135	19.409	18.564	18.072	17.741	10.456	0.366
531	86.73640	19.57676	20.984	19.058	18.063	17.569	17.251	86.73105	19.57291	20.955	19.074	18.083	17.583	17.277	22.853	232.664
532	86.76310	32.16833	21.616	19.765	18.717	18.237	17.931	86.76034	32.17585	21.624	19.748	18.718	18.259	17.952	28.333	342.714
533	86.82078	31.55030	21.155	19.414	18.581	18.161	17.912	86.82104	31.54714	21.173	19.399	18.594	18.175	17.925	11.423	175.899
534	86.83997	21.77796	19.915	18.350	17.675	17.315	17.167	86.84486	21.77998	19.919	18.380	17.679	17.327	17.167	17.885	66.034
535	86.88578	22.15873	21.915	20.224	19.368	18.881	18.646	86.88314	22.16185	21.932	20.233	19.374	18.898	18.620	14.278	321.946
536	86.91018	19.64629	21.747	19.916	18.753	18.198	17.821	86.91485	19.64739	21.748	19.920	18.767	18.198	17.813	16.338	75.887
537	86.96328	20.41166	21.328	19.480	18.548	18.022	17.651	86.95675	20.40622	21.348	19.510	18.550	18.026	17.644	29.464	228.384
538	87.05334	22.30823	20.781	19.024	18.157	17.741	17.481	87.05891	22.31376	20.774	19.028	18.174	17.729	17.480	27.205	42.951
539	87.08055	46.91549	19.672	17.876	17.131	16.790	16.580	87.07288	46.92000	19.643	17.893	17.143	16.818	16.584	24.892	310.754
540	87.09272	31.06690	20.249	18.622	17.791	17.383	17.083	87.08493	31.06511	20.265	18.637	17.794	17.384	17.097	24.86	255.016
541	87.12490	32.32760	20.803	19.284	18.515	18.151	17.909	87.12518	32.33482	20.804	19.312	18.517	18.159	17.927	26.016	1.88
542	87.27198	30.94737	21.732	20.069	19.152	18.716	18.361	87.26400	30.94855	21.749	20.057	19.153	18.702	18.353	24.998	279.822
543	87.29958	30.32449	19.377	17.817	17.106	16.782	16.563	87.29402	30.32645	19.370	17.846	17.106	16.772	16.561	18.643	292.19
544	87.32019	30.94543	20.430	18.924	18.150	17.786	17.517	87.31677	30.94406	20.419	18.931	18.174	17.815	17.520	11.673	244.872
545	87.33536	29.91527	18.913	17.218	16.421	16.071	15.842	87.33636	29.92107	18.914	17.243	16.438	16.072	15.815	21.098	8.49
546	87.36413	20.83243	17.676	16.027	15.606	15.455	15.320	87.36087	20.82796	17.700	16.003	15.612	15.458	15.312	19.475	214.286
547	87.38628	29.04360	20.271	18.657	17.861	17.465	17.214	87.38364	29.04605	20.298	18.678	17.864	17.479	17.211	12.107	316.709
548	87.39688	21.90466	18.862	17.341	16.738	16.435	16.274	87.38853	21.90560	18.871	17.350	16.745	16.448	16.261	28.1	276.904
549	87.40363	28.85950	20.934	19.080	18.068	17.586	17.266	87.40452	28.86430	20.920	19.083	18.097	17.613	17.291	17.481	9.196
550	87.40452	32.29334	20.574	18.781	17.909	17.527	17.288	87.41284	32.28991	20.549	18.797	17.912	17.543	17.298	28.175	115.991
551	87.41165	21.15275	21.390	19.736	18.896	18.536	18.293	87.41137	21.15447	21.401	19.762	18.924	18.529	18.294	6.262	351.539
552	87.44306	21.18243	20.563	18.993	18.191	17.835	17.623	87.43747	21.18280	20.549	18.981	18.198	17.843	17.625	18.81	274.079
553	87.46096	22.12539	21.753	20.072	19.144	18.708	18.409	87.46869	22.12135	21.782	20.094	19.154	18.713	18.429	29.608	119.468
554	87.51510	28.92103	19.403	17.731	17.091	16.760	16.594	87.52194	28.91656	19.410	17.737	17.097	16.785	16.610	26.906	126.746
555	87.56189	22.00234	20.112	18.455	17.619	17.206	16.956	87.55513	21.99887	20.123	18.474	17.630	17.219	16.972	25.805	240.986
556	87.60561	32.97025	18.188	16.674	16.019	15.729	15.551	87.60216	32.97285	18.168	16.703	16.044	15.746	15.561	14.017	312.032
557	87.62862	30.38463	19.108	17.560	16.866	16.551	16.333	87.62602	30.38340	19.109	17.544	16.870	16.567	16.348	9.196	241.25
558	87.64952	29.13531	20.519	18.771	17.944	17.539	17.282	87.64657	29.14203	20.524	18.796	17.948	17.521	17.256	25.919	339.032
559	87.79638	33.13863	21.126	19.538	18.769	18.378	18.156	87.79963	33.14057	21.130	19.523	18.773	18.395	18.179	12.013	54.476
560	87.81510	28.98313	19.827	18.217	17.410	17.037	16.809	87.81280	28.98392	19.842	18.191	17.411	17.058	16.827	7.803	291.483
561	87.83090	44.57713	19.678	18.275	17.647	17.365	17.197	87.83687	44.57669	19.658	18.267	17.654	17.378	17.205	15.394	95.795
562	87.84530	20.15453	19.378	17.602	16.715	16.326	16.075	87.84233	20.15402	19.359	17.604	16.721	16.323	16.075	10.218	259.657
563	87.92485	21.56647	21.835	19.946	19.019	18.612	18.263	87.93128	21.56860	21.836	19.957	19.032	18.616	18.289	22.848	70.356

564	87.98031	31.68009	16.893	15.461	15.098	14.970	14.908	87.97919	31.68247	16.889	15.462	15.112	14.996	14.930	9.233	338.165
565	88.10175	30.88505	20.812	19.219	18.509	18.182	17.967	88.10145	30.88918	20.814	19.192	18.529	18.191	17.963	14.891	356.397
566	88.18916	31.34129	19.539	18.081	17.420	17.145	16.975	88.18498	31.33455	19.530	18.070	17.435	17.144	16.947	27.449	207.877
567	88.21970	33.18665	18.812	17.397	16.731	16.458	16.268	88.22343	33.19012	18.797	17.389	16.740	16.473	16.282	16.801	42.026
568	88.25729	0.10803	21.494	18.963	17.502	16.751	16.215	88.25096	0.10439	21.475	18.944	17.510	16.762	16.238	26.297	240.178
569	88.46782	21.40926	18.699	17.125	16.359	15.990	15.759	88.46738	21.41668	18.716	17.128	16.368	15.994	15.781	26.75	356.88
570	88.53219	20.96388	18.114	16.676	16.013	15.728	15.563	88.53296	20.96520	18.104	16.686	16.028	15.746	15.567	5.39	28.9
571	88.53477	30.90801	20.792	19.109	18.184	17.738	17.455	88.52876	30.90539	20.813	19.120	18.206	17.741	17.458	20.812	243.1
572	88.62294	31.53187	19.822	18.316	17.674	17.373	17.168	88.63018	31.53526	19.849	18.316	17.692	17.378	17.175	25.346	61.191
573	88.67107	21.21549	16.760	15.424	14.915	14.693	14.582	88.67473	21.21653	16.786	15.446	14.926	14.703	14.579	12.843	73.168
574	88.81712	45.87222	19.634	18.175	17.565	17.292	17.145	88.80638	45.87420	19.614	18.168	17.593	17.299	17.143	27.847	284.883
575	88.89572	33.60511	21.245	19.047	18.120	17.716	17.434	88.88689	33.60390	21.226	19.055	18.143	17.726	17.432	26.821	260.658
576	89.07211	31.81411	18.716	17.222	16.616	16.346	16.179	89.07793	31.81407	18.745	17.227	16.645	16.363	16.182	17.798	90.46
577	89.08025	45.41363	19.057	17.695	17.130	16.936	16.837	89.08214	45.41280	19.072	17.701	17.131	16.924	16.816	5.647	121.971
578	89.14324	31.41617	18.760	17.356	16.651	16.327	16.141	89.14497	31.41739	18.777	17.347	16.655	16.329	16.160	6.875	50.484
579	89.21819	-0.11484	20.267	17.579	16.144	15.280	14.798	89.21907	-0.11463	20.256	17.552	16.153	15.280	14.797	3.249	76.102
580	89.32369	21.58994	20.711	18.744	17.620	16.999	16.591	89.32560	21.59446	20.705	18.729	17.638	17.020	16.592	17.504	21.4
581	89.38920	64.01660	20.055	18.285	17.540	17.238	17.095	89.38438	64.00999	20.068	18.297	17.545	17.256	17.117	24.984	197.727
582	89.41079	32.96843	20.841	19.070	18.142	17.763	17.497	89.41336	32.97232	20.831	19.053	18.155	17.782	17.494	16.016	29.051
583	89.42783	31.36257	20.962	19.422	18.561	18.224	18.043	89.43490	31.36347	20.937	19.396	18.564	18.242	18.042	21.975	81.514
584	89.50890	4.26214	21.190	19.492	18.598	18.194	17.946	89.51614	4.26066	21.163	19.475	18.605	18.222	17.966	26.553	101.605
585	89.51021	46.13837	18.644	17.349	16.892	16.709	16.605	89.50460	46.13488	18.665	17.359	16.899	16.729	16.626	18.816	227.999
586	89.59074	32.96100	19.416	17.908	17.173	16.873	16.655	89.59520	32.96543	19.387	17.882	17.188	16.886	16.672	20.872	40.178
587	89.70738	45.28068	19.047	17.724	17.241	17.064	16.972	89.70426	45.28316	19.066	17.752	17.254	17.075	16.960	11.936	318.623
588	89.72010	32.46448	21.464	19.673	18.819	18.424	18.121	89.71308	32.45966	21.481	19.702	18.821	18.414	18.106	27.517	230.858
589	89.78425	34.06822	21.328	19.270	18.185	17.616	17.235	89.77647	34.06319	21.349	19.292	18.188	17.616	17.237	29.407	232.057
590	89.79224	22.58248	21.139	19.215	18.057	17.461	17.070	89.79394	22.57825	21.141	19.243	18.070	17.487	17.080	16.277	159.614
591	89.84415	34.02705	21.175	18.749	17.566	17.032	16.692	89.84438	34.01879	21.179	18.760	17.590	17.056	16.698	29.746	178.642
592	89.86074	33.58954	21.922	20.148	19.169	18.737	18.492	89.86271	33.58584	21.949	20.130	19.179	18.762	18.473	14.569	156.088
593	89.94747	32.57889	16.653	15.185	14.552	14.315	14.175	89.93995	32.57641	16.653	15.200	14.578	14.341	14.202	24.49	248.691
594	89.96673	0.79469	20.033	18.462	17.652	17.235	16.942	89.96454	0.80224	20.035	18.445	17.656	17.247	16.961	28.307	343.843
595	90.08073	33.64434	20.409	18.556	17.562	17.089	16.792	90.09037	33.64520	20.387	18.574	17.589	17.091	16.777	29.043	83.881
596	90.15868	4.13362	19.065	17.472	16.683	16.328	16.095	90.16360	4.12778	19.084	17.486	16.697	16.337	16.099	27.444	139.921
597	90.22060	32.41708	18.951	17.456	16.817	16.469	16.268	90.21589	32.41411	18.949	17.445	16.830	16.487	16.272	17.868	233.239
598	90.24697	45.26357	18.430	17.137	16.595	16.364	16.222	90.24581	45.25741	18.446	17.119	16.601	16.380	16.251	22.396	187.586
599	90.33400	22.83630	21.524	19.401	18.201	17.566	17.170	90.32699	22.83482	21.515	19.402	18.221	17.578	17.172	23.855	257.067
600	90.55680	22.38494	21.022	18.763	17.565	17.058	16.696	90.56000	22.38754	21.024	18.742	17.577	17.052	16.674	14.175	48.672
601	90.60724	4.35974	18.020	16.322	15.453	15.073	14.802	90.61147	4.35857	18.041	16.337	15.474	15.077	14.827	15.766	105.507

602	90.65713	32.14134	20.822	19.164	18.418	18.069	17.840	90.65004	32.13670	20.824	19.176	18.435	18.086	17.836	27.322	232.308
603	90.70359	33.88391	19.295	17.588	16.771	16.362	16.143	90.69657	33.87911	19.266	17.575	16.774	16.380	16.132	27.172	230.522
604	90.84669	23.37485	21.013	18.814	17.603	17.034	16.633	90.84333	23.36912	21.021	18.815	17.612	17.018	16.622	23.438	208.294
605	90.95132	23.52315	21.730	19.880	18.672	18.023	17.613	90.95295	23.51907	21.756	18.890	18.695	18.025	17.600	15.639	159.823
606	91.00616	24.04462	21.405	19.175	18.020	17.472	17.103	90.99897	24.04281	21.380	19.192	18.041	17.484	17.131	24.531	254.539
607	91.03214	32.32660	19.529	17.851	17.031	16.629	16.363	91.03819	32.32803	19.527	17.879	17.042	16.617	16.339	19.112	74.364
608	91.15752	32.81182	18.114	16.700	16.099	15.822	15.671	91.14770	32.81205	18.131	16.730	16.118	15.832	15.677	29.714	271.635
609	91.19554	-0.89927	19.764	18.084	17.224	16.841	16.587	91.19218	-0.89702	19.776	18.090	17.230	16.859	16.603	14.568	303.734
610	91.20287	1.20918	19.978	18.481	17.725	17.386	17.169	91.19726	1.21235	20.005	18.475	17.731	17.390	17.142	23.213	299.436
611	91.20338	5.64695	20.176	18.605	17.857	17.507	17.324	91.20395	5.63964	20.186	18.625	17.861	17.516	17.303	26.376	175.595
612	91.32932	24.67687	21.134	19.451	18.601	18.214	17.930	91.32196	24.67223	21.158	19.453	18.609	18.218	17.935	29.325	235.227
613	91.33299	34.04421	19.958	18.257	17.358	16.902	16.612	91.33414	34.04990	19.944	18.263	17.363	16.916	16.597	20.779	9.48
614	91.33938	24.47181	21.695	20.092	19.151	18.689	18.309	91.33972	24.46639	21.666	20.088	19.169	18.669	18.325	19.555	176.726
615	91.41778	24.66865	19.864	18.387	17.662	17.321	17.106	91.41881	24.67614	19.869	18.404	17.691	17.348	17.116	27.176	7.112
616	91.41926	32.79967	21.841	20.032	19.225	18.761	18.473	91.42878	32.80006	21.852	20.055	19.233	18.783	18.475	28.839	87.207
617	91.45257	24.54392	20.564	18.917	18.049	17.603	17.337	91.45004	24.53653	20.563	18.914	18.051	17.633	17.366	27.882	197.265
618	91.49856	34.82997	19.000	17.356	16.607	16.233	15.994	91.48950	34.83152	19.017	17.359	16.632	16.251	16.016	27.33	281.716
619	91.60264	0.43430	19.556	18.039	17.358	17.058	16.884	91.60418	0.42866	19.552	18.057	17.370	17.056	16.882	21.069	164.776
620	91.61742	0.85691	21.500	19.899	19.321	18.979	18.884	91.61371	0.85343	21.478	19.899	19.324	19.001	18.910	18.335	226.819
621	91.65203	34.69088	20.547	18.933	18.074	17.650	17.370	91.65438	34.69763	20.562	18.926	18.075	17.641	17.390	25.272	15.934
622	91.67807	22.65108	21.610	19.479	18.402	17.868	17.522	91.67709	22.65729	21.614	19.459	18.413	17.872	17.516	22.587	351.686
623	91.69545	24.14038	20.731	19.042	18.213	17.771	17.484	91.69867	24.13436	20.710	19.028	18.218	17.784	17.501	24.088	153.956
624	91.70704	4.44734	19.771	18.155	17.465	17.132	16.943	91.70419	4.45075	19.751	18.181	17.473	17.149	16.916	15.966	320.171
625	91.77156	23.77848	18.715	17.159	16.561	16.274	16.091	91.76641	23.77480	18.738	17.170	16.570	16.286	16.082	21.522	232.005
626	91.78165	0.00944	20.367	18.521	17.643	17.272	17.050	91.78600	0.00463	20.395	18.515	17.645	17.263	17.035	23.32	137.876
627	91.79592	34.28990	19.941	18.296	17.499	17.113	16.901	91.79870	34.29067	19.952	18.305	17.520	17.140	16.913	8.718	71.38
628	91.83667	24.65126	19.494	18.003	17.402	17.088	16.943	91.83351	24.65542	19.511	18.033	17.407	17.110	16.962	18.203	325.399
629	91.87337	24.22336	19.998	18.486	17.789	17.429	17.217	91.87192	24.21594	20.028	18.468	17.798	17.445	17.212	27.149	190.106
630	91.89644	32.57222	18.271	16.760	16.068	15.755	15.564	91.88976	32.57455	18.262	16.761	16.082	15.760	15.575	21.925	292.558
631	91.97788	4.64899	20.992	19.024	18.163	17.812	17.576	91.97430	4.64569	20.988	19.037	18.175	17.828	17.591	17.507	227.214
632	92.00894	5.64255	19.512	17.902	17.147	16.824	16.627	92.01391	5.64733	19.532	17.931	17.158	16.814	16.612	24.784	46.009
633	92.09133	25.06322	19.416	17.896	17.196	16.885	16.685	92.09707	25.05689	19.434	17.877	17.208	16.892	16.690	29.486	140.643
634	92.15552	0.32374	19.316	17.946	17.360	17.154	16.982	92.16155	0.32242	19.326	17.938	17.370	17.168	17.006	22.221	102.318
635	92.27010	24.63277	18.934	17.495	16.756	16.430	16.228	92.26594	24.63772	18.919	17.503	16.767	16.425	16.223	22.427	322.565
636	92.31497	1.10007	20.750	19.480	18.864	18.615	18.439	92.32183	1.10242	20.751	19.469	18.882	18.599	18.453	26.119	71.064
637	92.34210	33.96555	18.910	17.484	16.904	16.633	16.484	92.34404	33.97174	18.937	17.510	16.911	16.652	16.498	23.024	14.566
638	92.44383	0.17545	19.966	18.557	17.969	17.739	17.645	92.44575	0.17893	19.951	18.543	17.979	17.748	17.624	14.315	28.88
639	92.46193	-0.65537	20.580	19.039	18.279	17.946	17.735	92.45522	-0.65729	20.608	19.059	18.287	17.949	17.752	25.131	253.966

640	92.47680	24.57167	20.272	18.659	17.910	17.527	17.350	92.48261	24.56763	20.293	18.657	17.919	17.551	17.355	23.931	127.426
641	92.49742	0.76331	20.883	19.532	18.737	18.439	18.280	92.49630	0.76275	20.866	19.508	18.747	18.466	18.293	4.508	243.568
642	92.50635	33.41277	19.798	18.249	17.541	17.204	16.981	92.49952	33.41255	19.810	18.266	17.547	17.223	17.009	20.534	267.785
643	92.55515	35.01099	20.876	18.905	18.000	17.629	17.415	92.55503	35.00935	20.855	18.908	18.018	17.644	17.431	5.899	183.359
644	92.64307	33.34960	19.616	18.149	17.513	17.223	17.034	92.65156	33.34938	19.605	18.156	17.516	17.211	17.010	25.547	91.743
645	92.66126	5.93367	21.051	19.587	18.978	18.662	18.484	92.65923	5.93847	21.036	19.601	18.980	18.664	18.485	18.729	337.205
646	92.66330	5.05801	21.203	19.771	19.038	18.779	18.623	92.65759	5.06173	21.175	19.785	19.057	18.784	18.637	24.456	303.154
647	92.67212	22.70745	19.593	17.672	16.860	16.515	16.351	92.67902	22.70311	19.599	17.693	16.880	16.536	16.350	27.749	124.311
648	92.71857	33.63760	20.046	18.615	17.969	17.672	17.493	92.72831	33.63737	20.074	18.640	17.987	17.672	17.472	29.205	91.628
649	92.78345	-0.13753	21.177	19.761	19.044	18.711	18.501	92.77630	-0.14073	21.160	19.791	19.046	18.726	18.516	28.192	245.868
650	92.79213	6.96917	21.472	19.764	18.915	18.570	18.293	92.78763	6.96973	21.453	19.778	18.932	18.541	18.270	16.21	277.224
651	92.81141	6.50059	19.064	17.676	17.133	16.917	16.797	92.81748	6.50332	19.036	17.705	17.138	16.912	16.795	23.821	65.677
652	92.81374	-1.09907	21.278	19.856	19.171	18.859	18.643	92.80866	-1.09361	21.296	19.828	19.178	18.877	18.631	26.866	317.04
653	92.81833	23.90584	20.731	19.061	18.156	17.702	17.480	92.82244	23.90319	20.723	19.068	18.184	17.723	17.493	16.547	125.191
654	92.81881	23.84951	21.160	19.375	18.404	17.971	17.711	92.82417	23.84339	21.163	19.354	18.415	17.942	17.685	28.229	141.333
655	92.83849	63.66157	19.885	18.703	18.246	18.052	17.996	92.83811	63.66809	19.888	18.713	18.273	18.081	18.020	23.48	358.516
656	92.98987	24.45357	20.257	18.763	18.009	17.674	17.467	92.98797	24.45198	20.253	18.779	18.020	17.685	17.454	8.454	227.342
657	93.03229	25.00173	20.156	18.712	18.002	17.658	17.467	93.03861	24.99924	20.168	18.713	18.008	17.664	17.481	22.483	113.468
658	93.09510	-0.13446	20.369	18.826	18.113	17.801	17.630	93.09158	-0.14092	20.346	18.813	18.126	17.799	17.622	26.464	208.564
659	93.11309	34.78218	20.103	18.387	17.563	17.190	16.951	93.11766	34.77915	20.085	18.382	17.568	17.205	16.975	17.38	128.888
660	93.11916	6.20032	20.640	18.536	17.616	17.225	17.000	93.12432	6.19442	20.613	18.541	17.621	17.244	16.995	28.131	139.043
661	93.25004	34.94610	20.782	19.316	18.660	18.362	18.198	93.24410	34.94521	20.790	19.322	18.670	18.365	18.206	17.842	259.563
662	93.34215	7.31726	20.942	19.211	18.404	17.998	17.766	93.34495	7.32274	20.933	19.191	18.413	18.007	17.775	22.142	26.853
663	93.38654	25.21884	20.809	19.027	18.088	17.642	17.355	93.38135	25.22220	20.815	19.047	18.098	17.635	17.364	20.773	305.577
664	93.43598	34.45393	19.828	18.455	17.785	17.502	17.348	93.43733	34.44740	19.825	18.431	17.792	17.516	17.339	23.851	170.308
665	93.48533	25.11260	20.474	18.677	17.702	17.215	16.907	93.47970	25.10984	20.498	18.654	17.719	17.203	16.897	20.878	241.581
666	93.55217	45.34906	20.281	18.648	17.926	17.670	17.507	93.55684	45.34257	20.286	18.672	17.950	17.689	17.502	26.205	153.16
667	93.55936	46.20424	20.451	18.779	18.098	17.794	17.617	93.56412	46.20364	20.439	18.799	18.107	17.810	17.605	12.05	100.312
668	93.58030	23.12772	21.491	19.436	18.204	17.555	17.133	93.57760	23.12755	21.463	19.415	18.223	17.547	17.155	8.948	266.101
669	93.58557	25.63245	20.119	18.364	17.462	17.011	16.755	93.59292	25.63580	20.123	18.373	17.487	17.033	16.776	26.744	63.133
670	93.63564	5.94204	18.174	16.559	15.780	15.476	15.325	93.63770	5.94097	18.154	16.534	15.798	15.497	15.333	8.318	117.623
671	93.67544	-1.24426	19.808	18.317	17.696	17.457	17.266	93.67496	-1.24691	19.798	18.319	17.702	17.434	17.250	9.667	190.277
672	93.69915	24.35885	19.854	17.979	16.952	16.388	16.040	93.70470	24.36324	19.882	17.992	16.982	16.418	16.070	24.095	49.067
673	93.71055	24.44707	21.933	19.978	18.958	18.468	18.148	93.70568	24.45067	21.934	19.989	18.979	18.472	18.124	20.566	309.09
674	93.75520	0.67016	20.240	18.745	18.195	17.847	17.687	93.75825	0.66388	20.252	18.752	18.215	17.849	17.670	25.125	154.133
675	93.81040	5.63719	20.364	18.624	17.769	17.355	17.098	93.81091	5.63864	20.371	18.652	17.798	17.376	17.107	5.531	19.227
676	93.90749	-0.06366	18.609	17.219	16.626	16.374	16.228	93.91131	-0.06900	18.628	17.244	16.651	16.376	16.237	23.631	144.328
677	94.01601	-0.92048	19.771	18.384	17.848	17.634	17.515	94.01715	-0.92816	19.799	18.373	17.869	17.639	17.529	27.932	171.551

678	94.05498	45.67554	20.372	18.576	17.870	17.556	17.400	94.04792	45.67187	20.376	18.548	17.870	17.546	17.374	22.139	233.319
679	94.07701	5.82607	17.569	16.114	15.492	15.246	15.101	94.06868	5.82667	17.558	16.101	15.512	15.276	15.121	29.935	274.176
680	94.08884	6.30155	20.541	18.924	18.166	17.851	17.656	94.08815	6.29623	20.561	18.953	18.173	17.850	17.672	19.277	187.38
681	94.12063	1.14598	18.874	17.312	16.590	16.267	16.071	94.11854	1.14083	18.857	17.312	16.601	16.259	16.052	20.001	202.045
682	94.13726	7.20219	21.249	19.753	18.963	18.657	18.461	94.14007	7.20116	21.276	19.762	18.988	18.684	18.446	10.71	110.147
683	94.25775	7.35975	21.511	19.884	19.155	18.854	18.672	94.25487	7.35396	21.534	19.895	19.162	18.848	18.648	23.278	206.278
684	94.27294	6.84090	19.645	18.175	17.515	17.231	17.105	94.27160	6.84874	19.665	18.176	17.538	17.252	17.108	28.61	350.36
685	94.31373	34.47332	20.648	19.075	18.308	17.990	17.808	94.30850	34.47217	20.638	19.062	18.317	17.985	17.794	16.049	254.98
686	94.32262	23.89976	18.472	16.727	15.874	15.488	15.260	94.32318	23.90574	18.445	16.728	15.883	15.477	15.231	21.596	4.968
687	94.42939	33.63315	21.543	19.708	18.752	18.337	18.081	94.43216	33.64011	21.563	19.683	18.780	18.356	18.072	26.374	18.35
688	94.52677	35.64585	19.716	18.089	17.260	16.884	16.693	94.51927	35.64884	19.727	18.070	17.272	16.901	16.704	24.423	296.113
689	94.55794	24.17068	21.361	18.710	17.239	16.465	16.012	94.55448	24.16314	21.355	18.687	17.248	16.469	16.013	29.425	202.673
690	94.61494	-1.16671	21.031	18.867	17.904	17.509	17.258	94.61498	-1.15976	21.016	18.838	17.917	17.493	17.264	24.998	0.356
691	94.62785	7.59281	20.421	18.758	18.036	17.701	17.502	94.62893	7.59165	20.448	18.771	18.046	17.731	17.530	5.656	137.158
692	94.63629	5.53390	20.159	18.728	18.093	17.787	17.638	94.62917	5.53452	20.151	18.728	18.113	17.812	17.649	25.622	275.006
693	94.65565	26.45361	19.035	17.607	16.987	16.701	16.526	94.65586	26.45647	19.051	17.636	17.003	16.704	16.537	10.349	3.863
694	94.69146	45.63457	19.515	18.151	17.595	17.382	17.335	94.69809	45.63632	19.533	18.165	17.612	17.390	17.315	17.836	69.334
695	94.83143	35.81686	19.629	18.076	17.320	16.967	16.754	94.82581	35.81939	19.638	18.067	17.330	16.993	16.763	18.773	299.032
696	94.87994	34.05880	19.173	17.648	16.985	16.711	16.598	94.87462	34.05367	19.192	17.641	17.007	16.731	16.596	24.339	220.679
697	94.88908	34.26935	20.671	19.227	18.568	18.276	18.107	94.89260	34.26370	20.669	19.223	18.579	18.292	18.096	22.874	152.809
698	94.89840	35.88096	19.079	17.604	16.887	16.558	16.343	94.90290	35.87818	19.088	17.620	16.890	16.558	16.349	16.517	127.353
699	94.91147	25.58647	18.257	16.787	16.157	15.868	15.704	94.91397	25.57942	18.267	16.806	16.186	15.889	15.722	26.644	162.331
700	94.94286	7.27757	19.277	17.883	17.283	17.070	16.921	94.94049	7.27038	19.293	17.890	17.293	17.049	16.914	27.236	198.134
701	94.95710	7.61989	20.875	19.346	18.631	18.283	18.093	94.95807	7.61300	20.855	19.329	18.633	18.288	18.090	25.045	172.067
702	94.99040	-0.34657	20.090	18.610	18.064	17.825	17.705	94.99824	-0.34671	20.076	18.620	18.074	17.832	17.729	28.221	91.08
703	94.99443	34.80570	20.964	19.347	18.531	18.220	17.993	94.98965	34.80737	20.992	19.375	18.555	18.204	17.972	15.364	293.067
704	95.02663	25.43799	21.162	19.517	18.690	18.296	18.061	95.02406	25.43560	21.147	19.519	18.699	18.303	18.087	11.971	224.211
705	95.05130	24.00251	19.556	17.783	16.948	16.510	16.231	95.05929	24.00026	19.535	17.791	16.954	16.521	16.231	27.463	107.082
706	95.07112	8.16514	19.385	17.912	17.266	16.977	16.829	95.06576	8.15911	19.373	17.894	17.271	16.990	16.834	28.901	221.347
707	95.07327	-0.76098	19.417	18.064	17.557	17.330	17.213	95.07973	-0.75782	19.422	18.052	17.564	17.345	17.213	25.892	63.966
708	95.10855	25.31231	20.460	18.500	17.524	17.079	16.826	95.11206	25.32001	20.434	18.514	17.534	17.101	16.842	29.983	22.366
709	95.15030	7.35999	20.767	19.296	18.642	18.350	18.143	95.15086	7.36200	20.761	19.296	18.643	18.342	18.162	7.523	15.504
710	95.23797	24.66006	21.246	19.499	18.643	18.219	17.920	95.24353	24.66310	21.271	19.472	18.644	18.191	17.890	21.216	58.933
711	95.25629	-0.61020	18.102	16.644	15.849	15.567	15.414	95.25968	-0.60484	18.081	16.635	15.850	15.575	15.407	22.829	32.314
712	95.33266	34.38420	19.242	17.824	17.187	16.922	16.786	95.33744	34.38545	19.257	17.821	17.190	16.921	16.767	14.888	72.452
713	95.34896	36.65472	19.051	17.643	17.041	16.793	16.642	95.35498	36.66136	19.037	17.665	17.063	16.822	16.659	29.548	36.091
714	95.37224	-0.59875	19.121	17.584	16.810	16.454	16.295	95.37294	-0.60465	19.146	17.613	16.825	16.459	16.284	21.402	173.26
715	95.45561	35.48383	19.347	17.775	17.119	16.800	16.624	95.46211	35.48906	19.339	17.753	17.137	16.813	16.615	26.784	45.352

716	95.46114	-1.22986	18.662	17.193	16.541	16.256	16.091	95.46639	-1.22709	18.648	17.207	16.562	16.273	16.089	21.353	62.15
717	95.48994	6.65827	21.418	19.563	18.702	18.257	17.953	95.49027	6.65217	21.410	19.563	18.715	18.269	17.951	21.968	176.852
718	95.49105	6.92694	17.082	15.627	15.061	14.888	14.796	95.49131	6.92579	17.067	15.642	15.087	14.904	14.803	4.243	167.612
719	95.51850	26.11641	20.773	19.054	18.266	17.872	17.694	95.51636	26.11561	20.782	19.051	18.266	17.898	17.665	7.497	247.422
720	95.58303	-0.39278	20.233	18.773	18.136	17.839	17.643	95.58689	-0.38566	20.217	18.801	18.155	17.829	17.623	29.145	28.419
721	95.63565	26.08064	19.524	18.104	17.422	17.138	16.987	95.63152	26.07518	19.504	18.119	17.440	17.136	16.984	23.769	214.121
722	95.63802	8.49071	21.128	19.458	18.690	18.349	18.089	95.63130	8.49518	21.151	19.445	18.707	18.350	18.089	28.835	303.922
723	95.69637	-1.02012	18.077	16.473	15.977	15.739	15.615	95.69718	-1.02540	18.082	16.498	15.987	15.752	15.630	19.249	171.297
724	95.70684	7.49699	20.750	19.044	18.174	17.764	17.487	95.70768	7.49343	20.745	19.048	18.179	17.761	17.490	13.144	166.787
725	95.73225	26.78543	20.495	18.782	18.036	17.697	17.491	95.73139	26.79296	20.470	18.788	18.038	17.711	17.503	27.256	354.143
726	95.80228	6.71803	20.462	18.943	18.288	17.984	17.805	95.80580	6.72000	20.485	18.967	18.305	17.981	17.790	14.446	60.571
727	95.84729	34.71628	20.748	18.906	18.023	17.641	17.390	95.84700	34.72056	20.734	18.888	18.052	17.648	17.399	15.426	356.817
728	95.95094	-1.08737	19.369	17.823	17.142	16.834	16.651	95.95630	-1.09105	19.383	17.852	17.148	16.858	16.666	23.391	124.457
729	96.08586	35.50468	19.377	17.824	17.097	16.809	16.626	96.07964	35.50466	19.349	17.847	17.111	16.796	16.600	18.231	269.873
730	96.09107	7.73982	19.618	18.041	17.356	17.070	16.945	96.09749	7.73683	19.642	18.071	17.385	17.099	16.959	25.294	115.234
731	96.11045	8.63826	19.816	18.336	17.625	17.297	17.141	96.10545	8.64332	19.798	18.338	17.627	17.311	17.122	25.464	315.671
732	96.15679	-0.66637	20.179	18.549	17.760	17.376	17.156	96.16084	-0.66391	20.169	18.559	17.768	17.391	17.132	17.06	58.723
733	96.18220	0.02896	17.304	15.785	15.087	14.774	14.588	96.18266	0.03016	17.317	15.806	15.103	14.788	14.598	4.608	21.045
734	96.21608	7.98332	19.871	18.261	17.561	17.203	16.987	96.21017	7.98473	19.844	18.263	17.564	17.215	17.013	21.671	283.527
735	96.21716	36.19576	19.798	18.386	17.803	17.560	17.420	96.21504	36.19494	19.795	18.369	17.819	17.588	17.433	6.841	244.202
736	96.27670	-0.80937	20.424	18.870	18.150	17.800	17.594	96.27511	-0.80145	20.425	18.864	18.155	17.809	17.573	29.103	348.673
737	96.28571	35.86956	19.549	18.154	17.537	17.277	17.113	96.27715	35.86654	19.552	18.128	17.549	17.305	17.117	27.243	246.473
738	96.37174	9.01145	19.741	18.252	17.423	17.057	16.810	96.36776	9.01449	19.767	18.228	17.428	17.055	16.791	17.897	307.731
739	96.43555	24.59576	18.772	17.401	16.848	16.603	16.474	96.43382	24.59543	18.776	17.408	16.849	16.598	16.467	5.79	258.12
740	96.47722	8.92195	20.889	19.452	18.662	18.293	18.060	96.47486	8.92970	20.914	19.462	18.670	18.277	18.032	29.136	343.276
741	96.48834	27.01784	18.405	17.007	16.471	16.231	16.131	96.48703	27.01834	18.425	17.017	16.475	16.239	16.161	4.576	293.192
742	96.48852	26.42672	20.710	19.051	18.216	17.838	17.582	96.48417	26.42901	20.735	19.059	18.220	17.864	17.605	16.267	300.526
743	96.51865	9.00078	20.174	18.557	17.755	17.396	17.122	96.52035	8.99372	20.152	18.577	17.779	17.392	17.135	26.119	166.625
744	96.69536	7.56637	20.885	19.371	18.555	18.148	17.911	96.70266	7.56500	20.866	19.378	18.559	18.146	17.892	26.515	100.721
745	96.82540	25.00568	19.302	17.928	17.367	17.119	16.948	96.82828	25.00539	19.310	17.928	17.377	17.130	16.946	9.461	96.263
746	96.87164	25.35178	19.421	18.081	17.477	17.223	17.069	96.87859	25.34916	19.408	18.088	17.501	17.236	17.084	24.499	112.648
747	96.92482	27.22384	19.154	17.722	17.120	16.873	16.738	96.91589	27.22371	19.176	17.714	17.131	16.889	16.763	28.589	269.038
748	97.00265	27.37832	18.535	17.157	16.584	16.348	16.200	97.01110	27.38142	18.521	17.181	16.602	16.367	16.229	29.243	67.549
749	97.11107	24.94722	20.126	18.569	17.743	17.369	17.126	97.11735	24.94470	20.104	18.552	17.758	17.374	17.147	22.434	113.846
750	97.14483	-1.06633	21.009	19.212	18.294	17.834	17.569	97.13812	-1.06354	21.017	19.226	18.296	17.859	17.594	26.141	292.553
751	97.14657	26.81799	20.258	18.740	18.037	17.738	17.534	97.15424	26.81498	20.253	18.730	18.062	17.737	17.507	26.923	113.735
752	97.16158	7.85336	19.930	18.214	17.373	16.958	16.680	97.16056	7.84511	19.928	18.221	17.383	16.980	16.707	29.901	187.04
753	97.20728	-20.87185	18.067	16.870	16.459	16.360	16.296	97.20100	-20.87474	18.039	16.874	16.485	16.338	16.271	23.546	243.796

754	97.24288	7.01017	19.756	18.099	17.306	16.938	16.693	97.23681	7.01087	19.768	18.100	17.325	16.961	16.707	21.811	276.659
755	97.24480	7.90493	19.875	18.331	17.563	17.243	17.013	97.24087	7.90801	19.894	18.348	17.581	17.251	17.011	17.868	308.391
756	97.43011	26.18473	20.736	19.292	18.610	18.303	18.158	97.43386	26.18820	20.757	19.314	18.627	18.315	18.142	17.418	44.175
757	97.47377	-19.26447	19.699	18.327	17.722	17.467	17.338	97.47677	-19.26485	19.709	18.320	17.737	17.491	17.343	10.298	97.557
758	97.49251	26.89495	19.565	18.261	17.682	17.436	17.273	97.49599	26.89200	19.595	18.272	17.693	17.424	17.287	15.404	133.574
759	97.50320	-20.58528	20.059	18.730	18.204	18.002	17.888	97.49866	-20.59052	20.080	18.745	18.223	17.992	17.906	24.276	219.073
760	97.52064	27.48536	18.456	17.172	16.697	16.507	16.452	97.52776	27.48680	18.471	17.185	16.704	16.502	16.426	23.337	77.156
761	97.56229	-0.29093	21.987	19.896	18.710	18.112	17.704	97.56690	-0.29049	22.016	19.908	18.735	18.138	17.719	16.66	84.537
762	97.67418	26.46762	19.530	18.113	17.487	17.226	17.057	97.67096	26.46194	19.554	18.135	17.500	17.224	17.066	22.93	206.917
763	97.68046	-0.66145	21.664	19.776	18.605	18.024	17.651	97.68248	-0.66021	21.656	19.771	18.633	18.019	17.626	8.518	58.604
764	97.80910	-19.67903	20.355	19.007	18.382	18.140	18.005	97.80952	-19.68012	20.340	19.034	18.392	18.123	17.999	4.176	160.323
765	97.92762	9.36167	17.970	16.415	15.682	15.336	15.155	97.92559	9.36144	17.994	16.426	15.696	15.351	15.154	7.26	263.489
766	97.95529	8.33749	18.083	16.785	16.248	16.041	15.921	97.95803	8.33915	18.109	16.787	16.261	16.062	15.945	11.466	58.521
767	98.02930	26.15842	20.409	18.960	18.383	18.127	18.028	98.02745	26.16297	20.384	18.981	18.407	18.120	18.033	17.431	339.979
768	98.07320	27.81742	20.305	18.826	18.221	17.949	17.830	98.06741	27.81555	20.301	18.843	18.245	17.967	17.803	19.645	249.937
769	98.17030	45.33643	17.345	16.057	15.612	15.442	15.373	98.17282	45.33935	17.317	16.046	15.626	15.467	15.393	12.277	31.244
770	98.28351	9.75801	20.657	18.986	18.082	17.653	17.409	98.28579	9.75327	20.676	18.991	18.094	17.646	17.405	18.889	154.661
771	98.30232	45.35029	17.507	16.369	15.938	15.822	15.774	98.30070	45.34875	17.485	16.375	15.949	15.835	15.777	6.925	216.393
772	98.47005	27.07317	20.201	18.902	18.324	18.039	17.989	98.46706	27.07403	20.227	18.922	18.325	18.067	17.991	10.072	287.816
773	98.54845	25.79615	18.399	16.970	16.383	16.147	16.041	98.54478	25.80214	18.394	16.971	16.400	16.161	16.067	24.625	331.164
774	98.56802	-18.70452	20.182	18.797	18.209	18.009	17.835	98.56864	-18.70131	20.156	18.797	18.237	18.019	17.825	11.73	10.469
775	98.56830	27.34324	19.069	16.996	16.130	15.821	15.649	98.56528	27.34403	19.053	16.996	16.132	15.831	15.667	10.069	286.372
776	98.60327	8.59976	19.817	17.934	17.052	16.671	16.421	98.60276	8.60582	19.788	17.950	17.053	16.655	16.393	21.897	355.279
777	98.62206	27.54477	20.612	19.109	18.524	18.271	18.145	98.62103	27.54488	20.605	19.128	18.542	18.276	18.141	3.3	276.798
778	98.68111	26.10815	19.034	17.780	17.303	17.117	17.039	98.67737	26.11519	19.061	17.787	17.308	17.107	17.055	28.08	334.52
779	98.69966	8.61381	21.277	19.629	18.692	18.257	17.959	98.70685	8.61038	21.303	19.610	18.719	18.265	17.987	28.426	115.725
780	98.80536	8.76391	19.715	18.087	17.322	16.980	16.727	98.80739	8.76609	19.686	18.086	17.348	17.002	16.719	10.647	42.577
781	98.81830	8.90995	19.653	18.108	17.394	17.053	16.851	98.81326	8.91631	19.654	18.104	17.411	17.078	16.878	29.075	321.873
782	98.83483	8.91038	20.447	18.785	17.987	17.614	17.378	98.83769	8.91734	20.454	18.800	18.010	17.626	17.402	27.041	22.073
783	98.85855	8.41579	18.428	17.027	16.349	16.068	15.906	98.85489	8.41489	18.431	17.011	16.352	16.063	15.902	13.422	256.06
784	98.88177	26.42223	18.036	16.753	16.281	16.099	16.023	98.87783	26.42414	18.030	16.763	16.287	16.114	16.036	14.462	298.389
785	98.93450	36.38505	17.520	16.285	15.888	15.745	15.684	98.93817	36.39199	17.536	16.304	15.900	15.751	15.672	27.164	23.055
786	98.99675	9.26887	20.027	18.379	17.495	17.073	16.781	98.99859	9.26806	20.001	18.378	17.496	17.056	16.766	7.161	113.779
787	99.01214	-20.95286	19.062	17.791	17.352	17.172	17.075	99.00813	-20.95929	19.035	17.778	17.359	17.182	17.096	26.787	210.184
788	99.11093	27.56718	17.945	16.707	16.283	16.154	16.085	99.10758	27.56121	17.952	16.722	16.303	16.129	16.072	24.001	206.462
789	99.14721	-18.40964	17.193	15.785	15.191	14.934	14.800	99.14732	-18.40275	17.183	15.757	15.192	14.946	14.825	24.798	0.838
790	99.18183	-18.34293	21.168	19.405	18.668	18.370	18.210	99.17808	-18.34676	21.167	19.419	18.694	18.380	18.213	18.805	222.897
791	99.18462	8.33496	21.843	19.770	18.633	18.142	17.814	99.18278	8.33035	21.838	19.755	18.653	18.136	17.792	17.83	201.594

792	99.19103	9.44784	20.106	18.459	17.637	17.192	16.906	99.19583	9.45446	20.125	18.477	17.650	17.190	16.899	29.295	35.58
793	99.19356	9.54224	20.243	18.376	17.494	17.108	16.777	99.18523	9.54279	20.232	18.403	17.513	17.080	16.758	29.66	273.835
794	99.24242	9.54569	20.534	18.746	17.849	17.397	17.154	99.24194	9.54473	20.519	18.766	17.864	17.400	17.153	3.857	206.476
795	99.25536	9.86809	21.581	19.698	18.658	18.157	17.847	99.26090	9.86292	21.559	19.693	18.662	18.146	17.839	27.066	133.428
796	99.36864	28.26042	17.835	16.516	16.022	15.839	15.765	99.37231	28.25426	17.853	16.541	16.043	15.848	15.758	25.055	152.32
797	99.39546	-20.86828	19.967	18.741	18.308	18.165	18.046	99.39341	-20.86067	19.987	18.761	18.313	18.169	18.045	28.246	345.845
798	99.43600	-18.41080	19.487	17.461	16.550	16.145	15.892	99.43916	-18.41482	19.464	17.483	16.560	16.129	15.876	18.069	143.315
799	99.45072	10.66667	21.229	19.543	18.587	18.109	17.782	99.44982	10.66709	21.223	19.564	18.612	18.103	17.773	3.543	295.604
800	99.47048	36.69403	17.836	16.459	15.937	15.734	15.637	99.47841	36.69400	17.809	16.487	15.949	15.739	15.657	22.893	90.292
801	99.48041	26.33285	19.408	18.143	17.663	17.466	17.421	99.48379	26.32680	19.387	18.131	17.665	17.490	17.398	24.36	153.394
802	99.50163	10.66582	20.754	19.106	18.153	17.694	17.397	99.50090	10.67056	20.744	19.106	18.164	17.698	17.371	17.259	351.463
803	99.53572	28.16746	17.704	16.500	16.125	15.977	15.914	99.54057	28.17444	17.716	16.518	16.127	15.976	15.913	29.447	31.511
804	99.54822	-20.38094	19.910	18.606	18.060	17.844	17.757	99.54743	-20.37971	19.891	18.587	18.062	17.861	17.769	5.173	328.966
805	99.56270	26.27438	19.301	17.983	17.517	17.344	17.265	99.55546	26.27336	19.317	18.011	17.526	17.330	17.239	23.647	261.118
806	99.58654	26.65725	19.919	18.593	18.073	17.890	17.808	99.57850	26.65923	19.904	18.600	18.078	17.885	17.790	26.845	285.381
807	99.60806	10.89657	17.489	15.778	15.342	15.173	15.019	99.60382	10.89379	17.515	15.794	15.361	15.175	15.012	18.024	236.235
808	99.62412	28.40666	18.060	16.893	16.510	16.379	16.333	99.63250	28.40365	18.047	16.879	16.522	16.404	16.353	28.645	112.258
809	99.65219	10.34937	19.736	17.587	16.660	16.153	15.779	99.64589	10.34671	19.743	17.604	16.661	16.168	15.779	24.279	246.745
810	99.72396	27.63552	16.929	15.621	15.124	14.926	14.873	99.72776	27.63488	16.933	15.638	15.149	14.932	14.866	12.326	100.928
811	99.76051	9.43334	21.910	19.760	18.750	18.247	17.925	99.76216	9.43530	21.887	19.787	18.764	18.233	17.940	9.175	39.86
812	99.85478	26.92986	17.901	16.679	16.333	16.216	16.166	99.85154	26.93481	17.923	16.702	16.344	16.217	16.171	20.643	329.749
813	99.95931	26.55600	19.445	18.080	17.582	17.402	17.346	99.95743	26.55657	19.438	18.088	17.607	17.412	17.359	6.394	288.824
814	99.99041	10.10518	18.764	16.919	15.866	15.301	14.955	99.99885	10.10538	18.749	16.921	15.886	15.324	14.984	29.921	88.618
815	100.01894	8.56661	20.581	18.866	18.001	17.528	17.245	100.02425	8.56151	20.602	18.884	18.004	17.535	17.231	26.343	134.188
816	100.21320	26.81210	19.306	18.073	17.611	17.442	17.370	100.21303	26.80737	19.300	18.076	17.624	17.471	17.395	17.035	181.83
817	100.22695	-19.99140	17.817	16.379	15.790	15.567	15.493	100.22474	-19.99161	17.826	16.397	15.794	15.569	15.489	7.516	264.243
818	100.29343	-0.32096	20.446	18.735	17.927	17.557	17.344	100.29866	-0.31603	20.431	18.714	17.938	17.544	17.317	25.89	46.663
819	100.49569	27.62023	18.617	17.423	16.973	16.815	16.735	100.50026	27.62638	18.608	17.406	16.973	16.821	16.755	26.481	33.404
820	100.51089	-18.34281	19.299	17.869	17.180	16.861	16.677	100.51244	-18.34277	19.319	17.891	17.205	16.885	16.687	5.317	88.514
821	100.54530	27.48310	18.676	17.496	17.049	16.879	16.805	100.54166	27.48759	18.687	17.525	17.061	16.886	16.801	19.906	324.253
822	100.59923	-17.73225	19.145	17.491	17.025	16.831	16.724	100.59622	-17.72777	19.133	17.476	17.034	16.835	16.727	19.137	327.307
823	100.59931	37.00837	20.867	19.425	18.867	18.625	18.542	100.59605	37.00844	20.875	19.439	18.877	18.654	18.525	9.379	271.559
824	100.65398	28.61661	19.120	17.841	17.352	17.158	17.097	100.64662	28.61634	19.102	17.844	17.368	17.180	17.126	23.276	267.615
825	100.65797	10.78985	21.132	19.297	18.270	17.784	17.480	100.66513	10.79234	21.104	19.285	18.279	17.803	17.477	26.878	70.498
826	100.75649	-18.77176	21.366	19.952	19.234	18.947	18.702	100.75461	-18.76730	21.366	19.941	19.252	18.927	18.715	17.275	338.197
827	100.75950	28.21724	20.126	18.769	18.182	17.970	17.887	100.76530	28.21421	20.115	18.793	18.195	17.989	17.883	21.396	120.618
828	100.86839	9.82897	21.661	19.552	18.545	18.098	17.812	100.86512	9.82497	21.650	19.537	18.566	18.105	17.810	18.487	218.961
829	100.90159	10.42211	19.566	18.019	17.245	16.884	16.670	100.89767	10.41916	19.565	18.024	17.260	16.889	16.668	17.463	232.499

830	100.95510	9.12849	20.195	18.515	17.679	17.238	16.992	100.95598	9.12256	20.221	18.511	17.684	17.248	17.014	21.556	171.69
831	101.03175	11.11423	20.690	19.078	18.237	17.838	17.648	101.02565	11.11131	20.664	19.068	18.263	17.836	17.648	23.96	244.048
832	101.05285	-18.75730	20.024	18.730	18.144	17.923	17.808	101.05538	-18.75662	20.029	18.735	18.149	17.906	17.803	8.956	74.153
833	101.07378	9.94695	19.841	18.294	17.567	17.219	17.001	101.07103	9.94840	19.869	18.292	17.577	17.216	17.002	11.06	298.199
834	101.12186	38.44623	20.542	19.214	18.626	18.376	18.283	101.11835	38.44927	20.526	19.192	18.633	18.400	18.287	14.765	317.85
835	101.12633	28.30448	19.662	18.390	17.863	17.694	17.600	101.12862	28.30416	19.669	18.374	17.880	17.702	17.592	7.328	99.045
836	101.14710	-18.18029	19.448	18.010	17.269	16.975	16.814	101.15265	-18.18556	19.422	17.993	17.288	16.996	16.839	26.842	134.966
837	101.21918	9.82092	17.954	16.533	15.990	15.764	15.648	101.22046	9.82308	17.981	16.560	16.002	15.759	15.640	8.977	30.207
838	101.22451	-20.02110	19.295	17.585	16.801	16.579	16.461	101.23092	-20.02443	19.297	17.561	16.802	16.577	16.443	24.775	118.973
839	101.22764	-19.40286	18.404	16.965	16.306	16.068	15.934	101.22461	-19.40416	18.390	16.942	16.330	16.088	15.963	11.289	245.392
840	101.26016	9.17832	20.006	18.373	17.560	17.214	17.034	101.25281	9.17833	20.005	18.358	17.585	17.232	17.056	26.132	270.038
841	101.32710	10.39140	20.412	18.889	18.123	17.763	17.497	101.32463	10.39826	20.394	18.906	18.126	17.733	17.512	26.2	340.442
842	101.37666	10.18622	20.500	18.647	17.737	17.289	16.981	101.38357	10.18383	20.485	18.671	17.763	17.306	17.009	25.957	109.351
843	101.39027	11.00266	19.781	18.198	17.475	17.133	16.932	101.38582	11.00171	19.771	18.179	17.481	17.139	16.943	16.079	257.675
844	101.39101	-19.34058	20.608	19.155	18.432	18.166	18.007	101.38550	-19.33579	20.623	19.153	18.440	18.181	18.023	25.429	312.609
845	101.44236	-19.72977	20.499	19.102	18.508	18.307	18.207	101.44246	-19.73452	20.517	19.073	18.508	18.297	18.219	17.113	178.953
846	101.45770	10.87269	18.355	16.868	16.247	15.975	15.811	101.45994	10.86979	18.371	16.883	16.252	15.976	15.827	13.113	142.808
847	101.53183	9.48481	19.826	17.951	17.115	16.706	16.480	101.52420	9.48671	19.830	17.966	17.116	16.688	16.452	27.969	284.171
848	101.57729	-19.63521	19.883	18.538	18.005	17.817	17.734	101.57924	-19.63614	19.879	18.562	18.027	17.839	17.752	7.404	116.768
849	101.60166	9.91339	21.493	19.867	18.996	18.591	18.354	101.60317	9.91211	21.507	19.846	19.021	18.585	18.338	7.066	130.757
850	101.60928	10.79861	20.811	19.052	18.240	17.846	17.629	101.60893	10.80252	20.838	19.075	18.249	17.864	17.623	14.139	354.945
851	101.70729	28.82440	18.556	17.153	16.615	16.427	16.358	101.70622	28.82606	18.582	17.175	16.633	16.447	16.380	6.867	330.681
852	101.70747	10.32658	20.014	18.456	17.751	17.420	17.225	101.70381	10.32037	20.014	18.486	17.756	17.419	17.231	25.838	210.108
853	101.71215	10.95112	20.211	18.661	17.867	17.529	17.335	101.71971	10.95452	20.231	18.676	17.877	17.539	17.350	29.381	65.427
854	101.73774	37.93437	17.497	16.213	15.733	15.542	15.472	101.73667	37.93572	17.477	16.243	15.753	15.561	15.473	5.733	327.947
855	101.83203	11.94782	20.117	18.573	17.829	17.506	17.325	101.83724	11.94964	20.125	18.597	17.831	17.494	17.322	19.488	70.336
856	101.86320	27.33216	18.667	17.422	16.993	16.841	16.778	101.85611	27.33711	18.672	17.425	16.999	16.844	16.798	28.846	308.137
857	101.90031	-17.27761	21.114	19.355	18.458	18.085	17.825	101.89857	-17.28226	21.088	19.377	18.487	18.113	17.818	17.79	199.55
858	101.91234	-19.30394	21.375	19.587	18.871	18.586	18.422	101.91358	-19.30462	21.405	19.593	18.887	18.574	18.416	4.888	120.008
859	101.91665	-19.27966	20.353	18.997	18.465	18.205	17.978	101.91738	-19.28492	20.336	19.002	18.466	18.219	17.969	19.101	172.466
860	101.96411	-18.36567	20.788	19.089	18.416	18.136	17.926	101.96170	-18.36811	20.766	19.113	18.437	18.154	17.915	12.036	223.096
861	101.99905	28.55535	19.394	17.761	17.110	16.843	16.730	101.99660	28.54930	19.390	17.789	17.122	16.864	16.725	23.097	199.607
862	102.00106	28.94168	19.154	17.937	17.491	17.333	17.244	101.99616	28.93701	19.140	17.930	17.504	17.330	17.247	22.819	222.549
863	102.00231	9.94432	19.167	17.780	17.194	16.975	16.837	102.01071	9.94527	19.180	17.770	17.216	16.978	16.837	29.983	83.446
864	102.04608	18.60882	18.598	17.401	17.093	16.782	16.701	102.04818	18.61622	18.591	17.407	17.102	16.757	16.687	27.565	15.099
865	102.04982	-18.30441	20.796	19.467	18.701	18.325	18.170	102.05601	-18.30079	20.781	19.443	18.705	18.320	18.190	24.844	58.347
866	102.10193	11.89633	19.974	18.627	18.076	17.854	17.750	102.09778	11.89718	19.964	18.643	18.084	17.864	17.770	14.95	281.712
867	102.12737	28.07843	20.924	19.243	18.614	18.383	18.296	102.12512	28.08570	20.950	19.249	18.622	18.388	18.291	27.128	344.767

868	102.13883	11.03682	20.286	18.843	18.152	17.853	17.738	102.13379	11.03394	20.299	18.827	18.170	17.873	17.711	20.609	239.804
869	102.14556	11.38860	21.097	19.520	18.772	18.494	18.302	102.14308	11.38907	21.085	19.530	18.778	18.475	18.297	8.916	281.05
870	102.16536	-19.46709	20.693	18.982	18.307	17.975	17.771	102.17116	-19.47125	20.686	19.002	18.322	17.987	17.782	24.73	127.278
871	102.22307	9.89765	19.959	18.596	17.978	17.744	17.575	102.21638	9.89564	19.953	18.599	18.003	17.748	17.585	24.794	253.086
872	102.26387	11.44506	19.031	17.643	17.027	16.786	16.642	102.26658	11.44422	19.009	17.667	17.037	16.774	16.655	10.056	107.598
873	102.31969	65.86096	21.265	18.486	17.356	16.948	16.727	102.32067	65.86288	21.250	18.513	17.369	16.965	16.749	7.08	11.791
874	102.33152	9.47995	20.378	18.631	17.856	17.535	17.335	102.33613	9.48384	20.372	18.646	17.881	17.544	17.361	21.547	49.484
875	102.34423	17.77327	19.231	18.048	17.603	17.422	17.391	102.33805	17.77600	19.241	18.053	17.617	17.449	17.388	23.361	294.863
876	102.43967	9.74857	19.361	17.987	17.424	17.171	17.023	102.43991	9.75003	19.382	17.970	17.437	17.189	17.041	5.334	9.158
877	102.49381	9.58943	19.478	18.094	17.565	17.358	17.228	102.49269	9.59022	19.452	18.065	17.572	17.385	17.257	4.884	305.576
878	102.54624	15.48162	18.458	17.293	16.949	16.808	16.771	102.54937	15.48019	18.479	17.313	16.951	16.818	16.766	12.036	115.235
879	102.56268	9.88143	18.895	17.595	17.110	16.925	16.834	102.55658	9.88276	18.921	17.602	17.117	16.921	16.817	22.158	282.454
880	102.56466	10.91218	19.827	18.445	17.864	17.637	17.545	102.55968	10.90577	19.827	18.449	17.870	17.631	17.518	29.039	217.286
881	102.57914	17.97325	17.241	16.000	15.587	15.436	15.435	102.58451	17.97478	17.269	16.023	15.597	15.453	15.430	19.196	73.326
882	102.59046	15.04317	17.856	16.479	15.977	15.793	15.759	102.59389	15.04447	17.854	16.501	15.988	15.796	15.730	12.828	68.541
883	102.60089	10.95995	20.114	18.665	18.051	17.790	17.620	102.59502	10.95752	20.141	18.672	18.062	17.796	17.628	22.504	247.08
884	102.60277	9.66663	20.194	18.721	18.091	17.837	17.697	102.60463	9.66481	20.222	18.747	18.107	17.847	17.674	9.291	134.761
885	102.61858	11.57157	19.544	18.244	17.679	17.448	17.344	102.62111	11.57508	19.552	18.255	17.696	17.472	17.351	15.466	35.196
886	102.62206	11.94100	19.684	18.408	17.869	17.634	17.546	102.61882	11.94358	19.679	18.394	17.894	17.664	17.570	14.712	309.215
887	102.65023	14.87405	20.009	18.623	18.080	17.875	17.756	102.64492	14.86896	19.989	18.638	18.086	17.877	17.776	26.027	225.171
888	102.66870	10.33872	19.779	18.411	17.817	17.607	17.489	102.67459	10.34320	19.806	18.400	17.821	17.585	17.491	26.39	52.28
889	102.69930	9.85473	19.684	18.408	17.879	17.644	17.537	102.69659	9.85046	19.671	18.389	17.884	17.670	17.522	18.139	212.045
890	102.76440	-18.13679	20.499	18.494	17.522	17.041	16.729	102.75595	-18.13796	20.475	18.520	17.538	17.054	16.718	29.223	261.694
891	102.95842	16.38618	19.247	18.030	17.624	17.457	17.388	102.95998	16.39182	19.258	18.038	17.632	17.462	17.402	21.01	14.871
892	102.97626	11.85188	19.000	17.628	17.079	16.878	16.769	102.97150	11.84872	18.983	17.633	17.090	16.877	16.780	20.28	235.866
893	102.98184	16.48796	19.231	18.004	17.545	17.352	17.307	102.98018	16.48520	19.250	17.981	17.559	17.382	17.314	11.472	210.091
894	103.01298	15.73822	15.452	14.301	14.072	14.014	14.051	103.01513	15.73976	15.467	14.300	14.083	14.030	14.072	9.276	53.187
895	103.12256	10.76447	18.429	17.124	16.642	16.507	16.404	103.12858	10.76759	18.423	17.122	16.658	16.483	16.403	24.068	62.228
896	103.13511	11.63561	17.739	16.451	15.964	15.784	15.704	103.13881	11.63221	17.738	16.436	15.968	15.763	15.691	17.89	133.294
897	103.14719	13.86026	19.499	18.174	17.668	17.466	17.380	103.15184	13.86183	19.515	18.193	17.694	17.469	17.393	17.19	70.87
898	103.18366	10.72804	19.924	18.658	18.130	17.928	17.857	103.18008	10.72993	19.932	18.670	18.143	17.942	17.886	14.382	298.259
899	103.20915	12.68331	18.489	17.220	16.839	16.681	16.620	103.20930	12.69156	18.460	17.243	16.866	16.700	16.635	29.713	0.996
900	103.24219	17.27466	18.029	16.901	16.555	16.449	16.424	103.24100	17.26772	18.058	16.931	16.583	16.468	16.448	25.304	189.341
901	103.29707	10.10500	20.936	19.562	19.023	18.792	18.683	103.30377	10.10827	20.962	19.558	19.037	18.801	18.693	26.528	63.638
902	103.32244	11.87157	20.022	18.732	18.174	17.937	17.828	103.31995	11.87799	20.045	18.743	18.194	17.964	17.855	24.728	339.226
903	103.37397	10.77854	19.118	17.808	17.357	17.157	17.054	103.36843	10.77266	19.133	17.833	17.360	17.144	17.052	28.844	222.804
904	103.38236	11.36374	19.516	18.191	17.631	17.425	17.313	103.37777	11.36198	19.497	18.199	17.655	17.419	17.321	17.405	248.592
905	103.39988	10.04903	18.834	17.574	17.127	16.967	16.911	103.39219	10.04833	18.862	17.581	17.142	16.988	16.930	27.357	264.756

906	103.40337	-16.32213	20.394	18.767	17.964	17.618	17.375	103.40099	-16.32808	20.402	18.748	17.968	17.604	17.347	22.965	200.946
907	103.42021	9.71199	19.586	18.348	17.840	17.567	17.410	103.42369	9.70586	19.606	18.347	17.856	17.570	17.437	25.288	150.792
908	103.44250	-18.94860	20.319	18.949	18.321	18.041	17.910	103.44700	-18.94237	20.338	18.936	18.342	18.069	17.918	27.139	34.346
909	103.46281	29.85491	20.188	19.090	18.678	18.517	18.509	103.47194	29.85233	20.188	19.113	18.695	18.534	18.512	29.97	108.055
910	103.46693	8.52898	18.392	17.123	16.650	16.474	16.402	103.46872	8.52712	18.401	17.131	16.673	16.491	16.407	9.252	136.306
911	103.51928	8.32841	20.541	18.866	18.150	17.858	17.684	103.52167	8.32891	20.549	18.885	18.176	17.882	17.700	8.706	78.16
912	103.53460	10.30972	18.020	16.825	16.457	16.258	16.231	103.52949	10.31514	18.037	16.833	16.470	16.282	16.224	26.636	317.155
913	103.62012	-16.68952	20.775	18.545	17.531	17.082	16.816	103.61318	-16.68852	20.784	18.548	17.543	17.089	16.787	24.203	278.561
914	103.63505	10.25668	19.336	18.057	17.588	17.412	17.330	103.63088	10.25133	19.362	18.081	17.610	17.422	17.321	24.251	217.511
915	103.63730	15.01010	19.155	17.892	17.441	17.272	17.203	103.63345	15.01479	19.129	17.867	17.446	17.274	17.209	21.568	321.595
916	103.65021	7.72134	19.848	18.426	17.906	17.681	17.586	103.64529	7.72410	19.822	18.439	17.921	17.694	17.604	20.172	299.571
917	103.65101	13.59927	19.693	18.342	17.835	17.654	17.555	103.65513	13.60162	19.718	18.350	17.851	17.633	17.538	16.707	59.591
918	103.67599	10.48130	18.998	17.541	16.989	16.784	16.695	103.67822	10.48797	18.975	17.538	16.991	16.798	16.714	25.251	18.198
919	103.72333	17.07073	19.026	17.845	17.449	17.311	17.278	103.72625	17.06421	19.040	17.857	17.460	17.329	17.306	25.526	156.874
920	103.72412	28.86988	18.195	16.678	16.141	15.971	15.897	103.71782	28.86465	18.169	16.706	16.168	16.000	15.919	27.347	226.555
921	103.76327	16.59979	20.849	19.367	18.706	18.445	18.331	103.76211	16.60039	20.855	19.354	18.712	18.456	18.309	4.519	298.229
922	103.79045	27.99542	20.007	18.602	18.015	17.802	17.699	103.78856	27.99582	19.999	18.599	18.036	17.829	17.703	6.201	283.548
923	103.79695	9.80379	17.936	16.681	16.278	16.084	15.998	103.79532	9.80474	17.927	16.710	16.284	16.083	15.994	6.721	300.533
924	103.84643	11.24187	18.156	16.857	16.394	16.230	16.174	103.84957	11.24259	18.137	16.881	16.417	16.258	16.195	11.398	76.895
925	103.88225	9.19300	18.220	17.008	16.657	16.547	16.493	103.88473	9.19460	18.201	17.001	16.660	16.551	16.480	10.541	56.752
926	103.91884	6.13788	19.374	17.910	17.315	17.092	16.949	103.91727	6.14337	19.346	17.892	17.318	17.098	16.962	20.563	344.072
927	103.92554	12.12960	18.685	17.153	16.503	16.237	16.112	103.92262	12.12925	18.687	17.176	16.528	16.264	16.139	10.375	263.06
928	103.93173	6.19632	17.647	16.370	15.921	15.741	15.646	103.93580	6.18964	17.674	16.372	15.931	15.762	15.664	28.114	148.826
929	103.93354	18.33554	20.305	18.978	18.502	18.323	18.267	103.93160	18.34127	20.276	18.975	18.504	18.313	18.293	21.655	342.213
930	103.93573	29.61220	20.633	19.419	18.966	18.819	18.826	103.93286	29.61254	20.621	19.424	18.980	18.790	18.818	9.061	277.63
931	103.94521	8.15945	16.737	15.496	15.076	14.894	14.834	103.94768	8.15844	16.728	15.505	15.083	14.906	14.858	9.542	112.388
932	103.99618	7.46946	18.739	17.462	17.066	16.899	16.832	103.99878	7.46924	18.756	17.453	17.069	16.908	16.854	9.315	94.771
933	104.02065	11.20397	19.429	18.075	17.498	17.285	17.175	104.02498	11.20746	19.440	18.092	17.515	17.278	17.179	19.809	50.59
934	104.02291	-16.17206	20.787	17.953	16.485	15.729	15.322	104.02051	-16.16847	20.779	17.966	16.498	15.732	15.328	15.343	327.267
935	104.06713	10.91202	20.659	19.244	18.661	18.409	18.325	104.06537	10.91844	20.659	19.270	18.667	18.425	18.304	23.956	344.89
936	104.09560	-16.06774	20.497	18.648	17.694	17.270	16.966	104.08862	-16.07222	20.522	18.664	17.708	17.270	16.962	29.043	236.267
937	104.12167	-16.06781	20.693	18.882	18.104	17.714	17.492	104.12618	-16.06710	20.711	18.870	18.105	17.737	17.494	15.81	80.641
938	104.16484	-17.38042	20.732	18.965	18.021	17.513	17.154	104.16818	-17.37551	20.741	18.984	18.027	17.530	17.168	21.083	32.956
939	104.18532	7.14701	19.717	18.357	17.775	17.547	17.424	104.18106	7.14410	19.707	18.383	17.804	17.551	17.421	18.485	235.495
940	104.20055	13.10144	19.291	18.031	17.570	17.410	17.356	104.19933	13.09619	19.312	18.040	17.598	17.413	17.344	19.39	192.78
941	104.21936	10.20399	18.622	17.419	17.059	16.947	16.881	104.22445	10.20650	18.632	17.448	17.068	16.948	16.876	20.17	63.388
942	104.23321	5.59415	19.982	18.579	18.026	17.795	17.634	104.23209	5.59570	19.952	18.587	18.034	17.788	17.648	6.862	324.209
943	104.24268	9.05658	19.006	17.054	16.346	16.117	16.005	104.23850	9.05495	19.022	17.043	16.348	16.122	16.018	15.99	248.487

944	104.27275	6.00658	21.161	19.684	18.994	18.645	18.411	104.26842	6.00923	21.138	19.703	19.003	18.639	18.407	18.21	301.599
945	104.28797	9.52273	19.047	17.811	17.352	17.160	17.070	104.29178	9.51802	19.060	17.827	17.382	17.172	17.069	21.69	141.403
946	104.30653	12.28603	18.231	16.971	16.611	16.474	16.458	104.30774	12.28178	18.217	16.991	16.618	16.484	16.446	15.895	164.484
947	104.31766	16.37376	19.610	18.400	17.928	17.770	17.702	104.31819	16.36557	19.632	18.417	17.944	17.793	17.724	29.533	174.452
948	104.32212	11.79889	20.071	18.793	18.274	18.064	17.947	104.31503	11.80123	20.090	18.765	18.283	18.047	17.933	26.36	288.613
949	104.33345	28.51233	18.848	17.612	17.152	16.963	16.908	104.34155	28.51261	18.864	17.616	17.156	16.944	16.888	25.644	87.744
950	104.37277	9.33785	18.874	17.593	17.162	17.037	16.952	104.37240	9.32994	18.852	17.619	17.183	17.042	16.962	28.51	182.639
951	104.37656	8.01602	20.000	18.667	18.127	17.926	17.834	104.38146	8.02017	19.977	18.643	18.153	17.951	17.840	22.989	49.465
952	104.39318	-15.82258	19.669	17.853	16.944	16.511	16.231	104.39206	-15.81775	19.667	17.829	16.954	16.523	16.228	17.798	347.429
953	104.40692	8.23224	20.278	19.040	18.578	18.412	18.322	104.41498	8.23003	20.274	19.058	18.583	18.409	18.335	29.773	105.473
954	104.42057	15.15682	18.424	17.291	16.984	16.893	16.866	104.42193	15.15762	18.423	17.298	16.986	16.900	16.876	5.524	58.668
955	104.47818	17.10002	16.753	15.606	15.217	15.096	15.067	104.47251	17.10142	16.760	15.626	15.234	15.103	15.058	20.153	284.45
956	104.47917	12.08723	19.942	18.718	18.250	18.050	17.983	104.48380	12.08346	19.926	18.715	18.257	18.071	17.987	21.198	129.719
957	104.48152	38.78260	18.864	17.581	17.065	16.871	16.771	104.47937	38.77762	18.852	17.575	17.067	16.873	16.775	18.914	198.602
958	104.49684	39.79074	18.872	17.345	16.770	16.550	16.453	104.49534	39.78985	18.845	17.353	16.783	16.567	16.480	5.239	232.303
959	104.54484	28.40434	19.874	18.672	18.205	18.067	17.936	104.54099	28.40999	19.869	18.700	18.219	18.044	17.916	23.717	329.023
960	104.55278	11.42341	19.737	18.497	18.009	17.839	17.760	104.55892	11.41952	19.746	18.510	18.025	17.828	17.739	16.531	125.14
961	104.55892	11.41952	19.746	18.510	18.025	17.828	17.739	104.55662	11.42077	19.752	18.528	18.029	17.821	17.729	9.283	298.951
962	104.56523	13.91449	17.905	16.726	16.359	16.229	16.218	104.57300	13.91788	17.889	16.726	16.379	16.252	16.229	29.776	65.812
963	104.58799	28.65170	17.070	15.950	15.619	15.525	15.517	104.59641	28.65032	17.087	15.956	15.630	15.533	15.524	27.07	100.536
964	104.58950	6.49770	18.911	17.587	17.047	16.828	16.722	104.58995	6.50085	18.911	17.580	17.066	16.858	16.734	11.454	8.201
965	104.62416	7.33316	19.387	17.555	16.823	16.551	16.402	104.63158	7.33480	19.367	17.566	16.826	16.544	16.386	27.154	77.461
966	104.64053	6.93770	19.442	17.931	17.310	17.057	16.947	104.63454	6.93372	19.413	17.942	17.319	17.053	16.954	25.767	236.283
967	104.65998	10.25382	21.131	19.786	19.124	18.985	18.851	104.65956	10.25957	21.154	19.791	19.125	18.958	18.843	20.767	355.926
968	104.70159	6.39168	18.347	17.128	16.761	16.636	16.581	104.70115	6.39083	18.345	17.143	16.769	16.643	16.588	3.449	206.995
969	104.70297	9.35288	18.814	17.586	17.158	17.006	16.946	104.70871	9.35118	18.839	17.616	17.168	17.022	16.968	21.294	106.695
970	104.71384	13.08820	18.433	17.130	16.642	16.471	16.419	104.71173	13.08671	18.427	17.136	16.657	16.481	16.442	9.156	234.121
971	104.73629	16.10979	18.467	17.217	16.763	16.587	16.522	104.72809	16.10829	18.469	17.207	16.769	16.610	16.550	28.864	259.241
972	104.79259	11.09306	19.281	17.985	17.490	17.301	17.188	104.79025	11.08553	19.259	17.985	17.491	17.298	17.206	28.337	196.949
973	104.80475	8.41287	20.701	19.296	18.788	18.576	18.494	104.81255	8.41150	20.676	19.308	18.810	18.600	18.522	28.232	100.114
974	104.83604	5.69555	19.557	18.159	17.567	17.299	17.169	104.84161	5.69957	19.582	18.148	17.571	17.312	17.141	24.676	54.05
975	104.83792	7.84977	19.517	18.338	17.899	17.711	17.644	104.84071	7.84340	19.530	18.348	17.903	17.701	17.625	24.991	156.538
976	104.88863	11.12269	21.264	19.553	18.754	18.497	18.371	104.88316	11.12466	21.259	19.546	18.770	18.526	18.349	20.597	290.044
977	104.91279	11.76448	19.270	18.081	17.654	17.447	17.362	104.90860	11.76205	19.287	18.100	17.669	17.463	17.364	17.156	239.352
978	105.02778	6.85837	19.898	18.553	17.947	17.662	17.539	105.02649	6.85699	19.887	18.547	17.961	17.673	17.537	6.767	223.02
979	105.02835	9.50806	19.539	18.148	17.625	17.455	17.394	105.02362	9.50723	19.554	18.160	17.633	17.445	17.365	17.052	259.81
980	105.05821	-17.90371	18.125	16.685	16.104	15.864	15.716	105.06484	-17.89949	18.144	16.709	16.105	15.864	15.719	27.318	56.216
981	105.13905	6.10619	19.573	18.117	17.544	17.230	17.097	105.14088	6.09860	19.576	18.114	17.552	17.253	17.122	28.106	166.51

982	105.16496	9.48894	21.921	19.891	19.124	18.820	18.627	105.16135	9.49019	21.926	19.921	19.142	18.842	18.611	13.578	289.34
983	105.34395	28.42661	18.602	17.229	16.731	16.542	16.469	105.33799	28.42177	18.587	17.253	16.747	16.554	16.478	25.698	227.26
984	105.35894	10.65762	16.286	15.062	14.654	15.777	14.466	105.36230	10.66308	16.316	15.051	14.660	15.778	14.479	22.98	31.214
985	105.42726	7.13033	20.765	19.103	18.427	18.145	18.021	105.42993	7.13126	20.757	19.123	18.455	18.134	18.005	10.097	70.555
986	105.45122	10.16465	19.893	18.630	18.171	17.954	17.894	105.45319	10.15678	19.872	18.649	18.189	17.959	17.880	29.181	166.16
987	105.51266	6.41549	19.507	18.000	17.425	17.167	17.012	105.51604	6.42094	19.485	18.016	17.440	17.185	17.032	23.045	31.643
988	105.55479	-17.18518	19.736	18.153	17.462	17.099	16.891	105.55429	-17.19062	19.750	18.144	17.476	17.106	16.886	19.647	185.042
989	105.63525	4.94136	21.299	19.591	18.860	18.515	18.365	105.64084	4.94737	21.320	19.563	18.871	18.492	18.370	29.482	42.774
990	105.70972	4.41294	19.297	17.918	17.362	17.114	17.000	105.70833	4.41236	19.277	17.940	17.372	17.109	17.006	5.414	247.012
991	105.71100	11.91582	19.698	18.521	18.101	17.930	17.888	105.71020	11.92126	19.719	18.520	18.122	17.939	17.892	19.774	351.885
992	105.72876	7.45696	19.254	17.916	17.389	17.174	17.077	105.73429	7.46146	19.235	17.908	17.390	17.181	17.081	25.536	50.654
993	105.73864	7.89822	19.617	18.401	17.953	17.780	17.724	105.74059	7.89659	19.614	18.418	17.978	17.788	17.703	9.072	130.141
994	105.74295	11.39148	16.700	15.554	15.207	15.082	15.064	105.73866	11.39116	16.720	15.564	15.224	15.095	15.075	15.188	265.567
995	105.78595	-16.59807	20.337	18.899	18.264	17.972	17.781	105.78193	-16.59859	20.317	18.926	18.271	17.982	17.809	14.018	262.344
996	105.80552	7.99714	20.023	18.791	18.339	18.146	18.134	105.80269	7.99734	20.010	18.820	18.354	18.175	18.112	10.112	274.185
997	105.84254	30.53963	17.648	16.269	15.717	15.540	15.453	105.84238	30.54135	17.669	16.272	15.723	15.551	15.464	6.211	355.525
998	105.97627	12.34995	19.313	18.000	17.612	17.439	17.388	105.97236	12.35371	19.295	18.029	17.629	17.462	17.401	19.309	314.512
999	105.98471	5.34747	19.107	17.738	17.202	17.003	16.919	105.98708	5.35261	19.120	17.739	17.208	16.989	16.905	20.362	24.739
1000	105.98624	-15.22405	20.208	18.610	17.865	17.494	17.254	105.98282	-15.21923	20.225	18.637	17.870	17.502	17.283	21.016	325.567
1001	106.01106	-17.54937	19.579	17.784	16.997	16.655	16.419	106.01499	-17.54982	19.595	17.800	16.997	16.633	16.437	13.582	96.823
1002	106.01537	6.06313	19.350	18.122	17.647	17.427	17.364	106.01085	6.05644	19.368	18.094	17.660	17.451	17.381	29.01	213.863
1003	106.04739	12.22555	17.446	16.121	15.673	15.518	15.472	106.04550	12.22536	17.430	16.148	15.690	15.524	15.477	6.695	264.102
1004	106.06563	5.30093	21.293	19.686	18.951	18.656	18.495	106.05891	5.29936	21.287	19.656	18.965	18.670	18.522	24.719	256.818
1005	106.08735	-17.03494	19.763	18.299	17.720	17.462	17.309	106.08772	-17.04275	19.778	18.300	17.727	17.472	17.292	28.167	177.403
1006	106.15446	-16.94989	18.894	17.468	17.023	16.831	16.695	106.15057	-16.95044	18.872	17.488	17.027	16.838	16.705	13.533	261.605
1007	106.21043	12.61109	18.312	16.958	16.450	16.270	16.210	106.20718	12.61060	18.326	16.986	16.462	16.258	16.184	11.573	261.208
1008	106.23720	4.50383	20.514	19.127	18.567	18.263	18.131	106.24256	4.50551	20.515	19.141	18.573	18.252	18.107	20.167	72.542
1009	106.24251	38.53143	19.975	17.603	16.623	16.273	16.102	106.24192	38.53300	19.951	17.607	16.627	16.286	16.106	5.87	343.602
1010	106.41901	13.94266	17.541	16.389	16.043	15.932	15.928	106.41573	13.94411	17.523	16.401	16.062	15.948	15.942	12.569	294.568
1011	106.50559	13.66803	17.997	16.907	16.565	16.449	16.434	106.50232	13.66131	18.009	16.892	16.570	16.453	16.441	26.754	205.289
1012	106.59827	-16.17368	21.915	19.762	18.843	18.437	18.233	106.60432	-16.17537	21.907	19.770	18.851	18.440	18.221	21.781	106.181
1013	106.63382	-15.36819	20.019	18.234	17.441	17.099	16.889	106.63341	-15.37216	20.027	18.207	17.471	17.119	16.918	14.381	185.664
1014	106.66608	14.35089	17.459	16.126	15.668	15.511	15.491	106.66945	14.35774	17.438	16.123	15.671	15.511	15.477	27.296	25.477
1015	106.76786	-16.69247	19.716	18.153	17.575	17.327	17.225	106.75969	-16.69423	19.701	18.140	17.577	17.342	17.236	28.906	257.327
1016	106.85208	-16.03488	20.665	18.916	18.209	17.852	17.637	106.85045	-16.02964	20.639	18.926	18.236	17.870	17.618	19.68	343.349
1017	106.96161	13.35719	18.198	16.839	16.330	16.156	16.099	106.96770	13.35692	18.182	16.851	16.335	16.163	16.092	21.361	92.552
1018	106.97669	-16.14334	18.769	17.301	16.704	16.434	16.285	106.97509	-16.13884	18.792	17.324	16.716	16.435	16.289	17.114	341.106
1019	106.97871	-15.70179	16.036	14.718	14.257	14.084	14.084	106.97807	-15.70319	16.032	14.739	14.281	14.102	14.093	5.491	203.779

1020	107.00226	11.75882	17.381	16.241	15.996	15.915	15.931	107.00462	11.75148	17.358	16.253	16.006	15.924	15.916	27.724	162.564
1021	107.16643	-16.51055	19.011	17.559	16.944	16.663	16.517	107.16763	-16.50642	19.022	17.560	16.952	16.672	16.539	15.452	15.535
1022	107.23425	-16.83403	19.918	18.389	17.743	17.484	17.295	107.22824	-16.82821	19.904	18.374	17.754	17.457	17.288	29.426	315.326
1023	107.48585	-16.89106	16.934	15.536	15.052	14.868	14.750	107.49339	-16.88843	16.945	15.539	15.053	14.858	14.760	27.661	69.965
1024	107.52214	-16.86202	19.671	18.092	17.435	17.095	16.958	107.52073	-16.85955	19.673	18.105	17.438	17.104	16.969	10.133	331.386
1025	107.59910	12.29642	19.119	17.924	17.517	17.375	17.337	107.60362	12.30097	19.148	17.953	17.536	17.395	17.335	22.844	44.126
1026	107.61765	-15.41337	19.318	17.682	16.947	16.637	16.405	107.62246	-15.41271	19.328	17.696	16.971	16.656	16.430	16.836	81.914
1027	107.63958	-16.70569	20.003	18.460	17.720	17.325	17.082	107.64661	-16.70669	20.023	18.435	17.726	17.338	17.101	24.504	98.446
1028	107.69198	13.00278	20.105	18.890	18.426	18.247	18.200	107.69363	12.99898	20.117	18.892	18.427	18.223	18.197	14.861	157.105
1029	107.90176	13.50307	18.776	17.474	16.948	16.775	16.709	107.89606	13.50043	18.777	17.467	16.966	16.805	16.725	22.103	244.56
1030	108.03709	-14.12618	20.288	18.642	17.832	17.455	17.195	108.04067	-14.12478	20.260	18.668	17.840	17.469	17.173	13.463	68.018
1031	108.04212	-15.08362	20.995	19.301	18.438	18.011	17.758	108.04909	-15.08456	20.999	19.276	18.442	18.035	17.771	24.484	97.954
1032	108.06695	0.08440	21.681	20.135	19.435	19.132	18.847	108.06130	0.07956	21.687	20.131	19.444	19.127	18.840	26.761	229.447
1033	108.08546	0.53451	18.802	17.256	16.610	16.323	16.144	108.08685	0.52945	18.785	17.270	16.638	16.345	16.157	18.878	164.634
1034	108.22328	13.51839	17.202	16.026	15.656	15.526	15.502	108.21890	13.52456	17.187	16.041	15.658	15.534	15.495	26.984	325.354
1035	108.28522	0.54493	17.314	16.076	15.794	15.699	15.689	108.28700	0.53970	17.335	16.072	15.814	15.720	15.702	19.878	161.234
1036	108.46597	1.25041	20.236	18.948	18.349	18.140	18.029	108.46215	1.24457	20.261	18.956	18.368	18.140	18.024	25.122	213.134
1037	108.48053	13.49000	19.587	18.212	17.657	17.448	17.370	108.48416	13.49552	19.572	18.210	17.669	17.466	17.364	23.601	32.504
1038	108.57909	0.94114	16.822	15.645	15.301	15.167	15.116	108.58361	0.94176	16.796	15.651	15.310	15.189	15.145	16.441	82.196
1039	108.66087	0.04645	18.745	17.581	17.149	17.005	16.943	108.66472	0.04854	18.725	17.582	17.178	17.028	16.972	15.778	61.516
1040	108.72219	38.89330	20.858	19.531	19.025	18.879	18.794	108.72776	38.88964	20.834	19.544	19.041	18.908	18.819	20.418	130.134
1041	108.83757	13.15247	21.597	19.756	18.961	18.663	18.487	108.83801	13.15348	21.612	19.737	18.974	18.646	18.460	3.955	23.044
1042	108.90227	-14.72416	20.665	19.011	18.275	17.958	17.820	108.90028	-14.72853	20.660	18.996	18.296	17.973	17.810	17.188	203.675
1043	108.97986	-15.03593	19.531	17.947	17.231	16.964	16.761	108.98594	-15.04052	19.530	17.960	17.238	16.960	16.754	26.838	128.06
1044	109.13433	13.68628	18.008	16.770	16.350	16.221	16.174	109.14132	13.69044	18.021	16.798	16.372	16.228	16.158	28.643	58.504
1045	109.13722	-0.00778	18.947	17.753	17.329	17.163	17.129	109.13881	-0.00270	18.925	17.780	17.358	17.180	17.130	19.161	17.394
1046	109.13925	15.31800	16.921	15.619	15.167	15.010	14.966	109.13328	15.31430	16.924	15.642	15.176	15.013	14.965	24.635	237.339
1047	109.20686	-14.51252	18.305	16.775	16.247	15.985	15.860	109.19996	-14.51181	18.332	16.796	16.250	15.991	15.839	24.178	276.092
1048	109.26374	13.72205	16.857	15.654	15.280	15.163	15.165	109.26429	13.72635	16.875	15.666	15.294	15.174	15.152	15.58	7.207
1049	109.35066	12.90969	18.115	16.971	16.615	16.498	16.500	109.35438	12.91088	18.137	16.956	16.626	16.516	16.523	13.755	71.983
1050	109.37501	0.58892	17.584	16.347	15.955	15.793	15.733	109.38154	0.58839	17.602	16.365	15.960	15.795	15.731	23.565	94.664
1051	109.49813	0.58503	20.836	18.732	17.907	17.560	17.358	109.50412	0.58203	20.860	18.724	17.913	17.541	17.352	24.143	116.63
1052	109.57143	41.85510	20.136	18.693	18.118	17.899	17.813	109.57490	41.84775	20.123	18.686	18.122	17.891	17.795	28.04	160.67
1053	109.66629	-15.55282	20.840	18.880	18.049	17.687	17.370	109.66041	-15.54904	20.814	18.863	18.069	17.715	17.393	24.527	303.698
1054	109.67689	1.37825	18.428	17.240	16.892	16.743	16.683	109.68404	1.37658	18.442	17.261	16.906	16.754	16.696	26.426	103.113
1055	109.80931	0.90165	19.402	18.004	17.474	17.292	17.202	109.81588	0.89738	19.373	18.002	17.482	17.296	17.209	28.21	122.992
1056	109.99949	-14.12668	19.842	18.408	17.775	17.534	17.409	110.00738	-14.12343	19.817	18.421	17.777	17.557	17.418	29.922	67.014
1057	110.01597	-13.58793	19.518	17.952	17.215	16.895	16.714	110.02077	-13.58946	19.548	17.953	17.236	16.914	16.720	17.671	108.163

1058	110.06213	-13.66204	21.445	19.593	18.713	18.346	18.029	110.06825	-13.66424	21.450	19.586	18.734	18.342	18.019	22.829	110.376
1059	110.07949	-14.95723	19.635	18.099	17.389	17.090	16.866	110.08389	-14.95342	19.622	18.091	17.392	17.095	16.858	20.553	48.114
1060	110.11973	-14.57169	18.150	16.861	16.347	16.098	15.940	110.12272	-14.56742	18.174	16.857	16.364	16.108	15.944	18.577	34.193
1061	110.23717	1.31810	19.694	18.500	18.026	17.853	17.739	110.23293	1.32204	19.722	18.488	18.034	17.872	17.763	20.842	312.896
1062	110.30890	-0.29448	18.898	17.742	17.332	17.192	17.160	110.31416	-0.29303	18.917	17.749	17.344	17.197	17.145	19.653	74.579
1063	110.48726	-12.84281	19.416	17.887	17.278	17.000	16.844	110.48976	-12.84637	19.400	17.897	17.288	17.007	16.873	15.521	145.612
1064	110.51148	-14.75615	19.034	17.551	16.927	16.699	16.566	110.51774	-14.75330	19.007	17.556	16.933	16.716	16.566	24.073	64.829
1065	110.54739	13.90993	18.842	17.566	16.991	16.831	16.702	110.55574	13.90924	18.854	17.539	17.019	16.819	16.713	29.278	94.846
1066	110.59040	-15.11423	19.519	17.900	17.322	17.224	16.993	110.59244	-15.12174	19.542	17.907	17.339	17.250	17.011	27.928	165.347
1067	110.60251	0.87394	21.566	19.875	19.196	18.906	18.766	110.60414	0.87762	21.582	19.883	19.222	18.886	18.759	14.519	23.921
1068	110.64687	30.92669	17.273	16.146	15.815	15.710	15.707	110.64215	30.92062	17.265	16.148	15.817	15.727	15.731	26.276	213.748
1069	110.67621	37.11994	20.240	18.755	18.183	17.988	17.891	110.67794	37.12082	20.228	18.753	18.186	17.968	17.904	5.901	57.506
1070	110.71843	13.55930	18.271	17.048	16.658	16.524	16.472	110.72007	13.55745	18.277	17.045	16.663	16.516	16.467	8.799	139.292
1071	110.72517	-14.66788	20.221	18.642	17.967	17.542	17.297	110.72064	-14.66434	20.241	18.657	17.978	17.549	17.309	20.286	308.888
1072	110.72600	-13.81677	20.185	18.404	17.493	17.108	16.849	110.72268	-13.81467	20.192	18.389	17.495	17.128	16.869	13.861	302.976
1073	110.90992	-14.95424	19.625	18.002	17.277	16.968	16.771	110.91025	-14.95990	19.612	17.998	17.285	16.969	16.762	20.398	176.732
1074	111.06970	-0.84506	18.063	16.500	15.914	15.710	15.639	111.07207	-0.85117	18.035	16.494	15.930	15.733	15.648	23.617	158.775
1075	111.13503	-14.86540	19.297	17.812	17.126	16.885	16.736	111.13757	-14.86534	19.286	17.807	17.140	16.900	16.754	8.834	88.566
1076	111.27477	-13.97117	19.000	17.560	16.999	16.757	16.596	111.27628	-13.96799	19.017	17.562	17.003	16.764	16.606	12.597	24.694
1077	111.33500	26.92239	18.114	16.855	16.400	16.240	16.196	111.32744	26.92093	18.109	16.847	16.402	16.243	16.199	24.817	257.808
1078	111.33842	-13.85128	20.431	18.701	17.921	17.591	17.396	111.34624	-13.84960	20.403	18.708	17.926	17.586	17.413	27.981	77.504
1079	111.34831	0.13673	19.788	18.319	17.743	17.557	17.402	111.35251	0.12959	19.763	18.308	17.752	17.549	17.427	29.814	149.518
1080	111.35165	1.36679	18.458	17.266	16.876	16.731	16.649	111.34629	1.36201	18.451	17.261	16.892	16.742	16.673	25.839	228.255
1081	111.39918	-13.35579	19.613	18.093	17.436	17.105	16.951	111.40593	-13.35232	19.618	18.077	17.463	17.104	16.949	26.728	62.176
1082	111.48996	-14.30283	19.893	18.402	17.715	17.434	17.322	111.49242	-14.30910	19.917	18.378	17.732	17.453	17.343	24.13	159.2
1083	111.61136	-14.08172	18.519	16.798	16.102	15.862	15.676	111.60956	-14.07783	18.507	16.804	16.121	15.840	15.678	15.325	335.822
1084	111.81648	32.33941	18.369	17.238	16.875	16.736	16.716	111.81946	32.33918	18.385	17.239	16.877	16.736	16.697	9.12	95.018
1085	111.93880	0.90371	18.388	17.117	16.702	16.514	16.456	111.93927	0.90912	18.371	17.127	16.703	16.531	16.460	19.528	4.93
1086	112.02687	-0.35354	18.850	17.231	16.609	16.374	16.288	112.02220	-0.35260	18.834	17.246	16.616	16.391	16.278	17.155	281.333
1087	112.06930	26.69009	18.431	17.324	16.963	16.812	16.778	112.06137	26.69148	18.410	17.319	16.966	16.811	16.764	26.018	281.056
1088	112.16785	-13.43671	19.902	18.511	17.915	17.637	17.504	112.16452	-13.43734	19.895	18.527	17.918	17.625	17.507	11.865	258.983
1089	112.28083	-0.37367	20.977	18.612	17.672	17.318	17.136	112.28586	-0.37356	20.954	18.621	17.683	17.327	17.142	18.127	88.798
1090	112.33491	0.15218	19.147	17.936	17.518	17.359	17.307	112.33103	0.15337	19.135	17.955	17.535	17.373	17.291	14.62	287.119
1091	112.39363	-12.81617	19.925	18.414	17.667	17.356	17.182	112.39507	-12.81245	19.949	18.421	17.680	17.354	17.166	14.324	20.705
1092	112.45251	0.88237	19.273	17.974	17.501	17.293	17.196	112.45147	0.87493	19.273	17.987	17.512	17.314	17.225	27.058	187.915
1093	112.56259	-11.82154	16.497	15.239	14.870	14.719	14.677	112.56002	-11.82111	16.526	15.260	14.874	14.710	14.655	9.192	279.773
1094	112.61907	16.15370	19.541	18.101	17.563	17.352	17.266	112.62249	16.15895	19.551	18.100	17.568	17.376	17.281	22.285	32.12
1095	112.63379	-11.81012	20.339	18.744	18.162	17.894	17.723	112.62617	-11.81152	20.315	18.763	18.170	17.873	17.718	27.315	259.329

1096	112.64051	-12.20456	20.385	18.923	18.227	17.948	17.780	112.63655	-12.20407	20.408	18.908	18.235	17.974	17.772	14.059	277.132
1097	112.70962	-12.07475	19.466	18.083	17.487	17.194	17.181	112.70299	-12.07398	19.492	18.058	17.487	17.211	17.155	23.503	276.763
1098	112.73581	-14.12959	18.816	17.413	16.848	16.640	16.530	112.72818	-14.12863	18.824	17.432	16.862	16.630	16.531	26.846	277.424
1099	112.80498	-0.29726	18.122	16.830	16.380	16.216	16.167	112.80632	-0.30471	18.102	16.853	16.406	16.239	16.172	27.252	169.864
1100	112.89568	23.92522	20.851	18.350	17.239	16.838	16.623	112.89669	23.93262	20.862	18.320	17.252	16.838	16.604	26.823	7.107
1101	112.93018	-0.03116	18.312	17.117	16.748	16.616	16.556	112.92657	-0.03521	18.303	17.142	16.767	16.634	16.584	19.514	221.749
1102	112.97851	0.54228	19.152	17.567	16.899	16.648	16.505	112.97800	0.54405	19.151	17.578	16.905	16.670	16.526	6.646	343.965
1103	112.97895	-13.45112	18.227	16.827	16.215	16.019	15.910	112.98259	-13.45686	18.229	16.846	16.222	16.019	15.918	24.289	148.356
1104	113.06552	-12.93945	19.389	17.764	17.118	16.861	16.723	113.06244	-12.93665	19.405	17.774	17.134	16.871	16.695	14.792	312.963
1105	113.06786	20.18361	18.194	16.909	16.475	16.331	16.300	113.06731	20.18067	18.193	16.931	16.476	16.317	16.283	10.722	189.919
1106	113.06926	-13.79898	19.964	18.612	18.012	17.771	17.684	113.06550	-13.79706	19.960	18.636	18.030	17.773	17.662	14.871	297.703
1107	113.09180	14.84048	18.600	17.111	16.581	16.396	16.352	113.08882	14.84503	18.577	17.131	16.601	16.422	16.367	19.399	327.67
1108	113.09316	-13.98749	19.865	18.351	17.730	17.466	17.355	113.08980	-13.98785	19.856	18.331	17.737	17.472	17.330	11.821	263.656
1109	113.34025	25.86864	20.869	18.569	17.630	17.319	17.158	113.34301	25.86688	20.894	18.561	17.634	17.330	17.135	10.959	125.204
1110	113.42106	22.44408	17.546	16.021	15.447	15.242	15.151	113.42616	22.43808	17.546	16.011	15.448	15.236	15.129	27.452	141.829
1111	113.44387	22.40431	18.054	16.849	16.459	16.311	16.248	113.44938	22.40086	18.073	16.853	16.463	16.311	16.254	22.148	124.095
1112	113.52533	-13.75889	17.756	16.426	15.946	15.743	15.638	113.52038	-13.75619	17.746	16.448	15.962	15.741	15.642	19.858	299.337
1113	113.60271	-11.31078	19.538	18.079	17.525	17.222	17.080	113.60341	-11.31555	19.543	18.061	17.549	17.239	17.082	17.341	171.725
1114	113.63379	21.38572	20.597	19.035	18.467	18.257	18.160	113.63434	21.38184	20.625	19.065	18.472	18.248	18.143	14.087	172.488
1115	113.63660	15.61975	20.600	19.495	19.006	18.842	18.755	113.64434	15.61659	20.624	19.474	18.013	18.827	18.747	29.148	112.962
1116	113.65022	-12.57439	18.948	17.693	17.307	17.106	17.072	113.65200	-12.56753	18.969	17.722	17.307	17.122	17.087	25.459	14.208
1117	113.66267	-11.07958	16.711	15.426	14.997	14.857	14.827	113.66239	-11.07521	16.699	15.426	15.024	14.855	14.812	15.782	356.399
1118	113.66542	20.67768	18.983	17.539	16.976	16.756	16.664	113.66555	20.68371	18.994	17.552	16.989	16.773	16.668	21.732	1.232
1119	113.70098	48.38724	19.480	17.573	16.824	16.573	16.438	113.70590	48.38511	19.505	17.591	16.833	16.587	16.436	14.05	123.17
1120	113.88721	-11.08861	19.409	17.539	16.841	16.642	16.469	113.88505	-11.09240	19.382	17.553	16.843	16.642	16.460	15.625	209.21
1121	113.95734	-13.38471	20.830	19.298	18.707	18.468	18.327	113.95780	-13.37744	20.816	19.281	18.710	18.462	18.339	26.247	3.529
1122	114.08039	-13.35543	20.606	19.206	18.668	18.461	18.397	114.07889	-13.36223	20.609	19.225	18.680	18.464	18.385	25.015	192.071
1123	114.16305	-10.95675	18.659	17.255	16.710	16.482	16.374	114.16454	-10.95682	18.660	17.272	16.732	16.493	16.389	5.294	92.697
1124	114.23162	-11.28189	17.963	16.744	16.343	16.148	16.089	114.23141	-11.28643	17.958	16.764	16.351	16.137	16.064	16.357	182.61
1125	114.24283	16.01514	19.166	17.968	17.541	17.408	17.350	114.24902	16.02054	19.137	17.956	17.553	17.422	17.373	28.912	47.755
1126	114.40127	16.61184	19.329	18.075	17.586	17.427	17.360	114.40456	16.60745	19.337	18.045	17.586	17.431	17.386	19.449	144.334
1127	114.40592	16.38065	17.070	15.863	15.457	15.333	15.299	114.40183	16.37867	17.068	15.878	15.480	15.357	15.329	15.834	243.341
1128	114.41537	-0.85679	19.086	17.926	17.530	17.395	17.338	114.41829	-0.85457	19.084	17.922	17.532	17.386	17.367	13.192	52.858
1129	114.44767	21.27489	16.907	15.746	15.429	15.334	15.338	114.44575	21.27582	16.914	15.762	15.446	15.353	15.360	7.287	297.334
1130	114.61494	-10.71143	17.811	16.488	16.016	15.796	15.711	114.61318	-10.71215	17.792	16.503	16.017	15.794	15.730	6.752	247.307
1131	114.62446	-10.66746	18.338	17.040	16.674	16.537	16.471	114.62458	-10.67274	18.325	17.065	16.694	16.545	16.478	19.023	178.737
1132	114.63927	-12.16671	19.537	18.162	17.640	17.415	17.371	114.63252	-12.16925	19.552	18.168	17.644	17.425	17.351	25.477	248.966
1133	114.65642	21.69956	18.423	17.185	16.762	16.635	16.574	114.65576	21.69245	18.445	17.181	16.763	16.628	16.581	25.673	184.938

1134	114.66655	9.82382	20.896	18.763	17.913	17.618	17.461	114.66110	9.81763	20.910	18.782	17.927	17.617	17.465	29.51	220.967
1135	114.67188	10.92497	21.904	19.575	18.192	17.555	17.265	114.67279	10.92935	21.923	19.554	18.214	17.580	17.257	16.089	11.466
1136	114.81398	-13.04245	20.221	18.839	18.178	17.880	17.758	114.82189	-13.04507	20.196	18.848	18.188	17.868	17.737	29.318	108.784
1137	114.94504	9.39363	21.168	18.747	17.323	16.395	15.864	114.95126	9.39816	21.169	18.759	17.336	16.423	15.871	27.461	53.556
1138	114.96910	25.92192	18.895	17.699	17.306	17.162	17.131	114.97137	25.92899	18.869	17.721	17.312	17.156	17.125	26.487	16.124
1139	114.98692	28.62370	19.000	17.840	17.448	17.306	17.323	114.98259	28.62763	18.977	17.852	17.471	17.315	17.336	19.677	315.951
1140	115.05795	-11.95659	19.258	17.976	17.542	17.410	17.334	115.05009	-11.95759	19.246	17.962	17.549	17.392	17.338	27.887	262.586
1141	115.12320	-12.71523	20.211	18.685	18.192	17.907	17.822	115.13041	-12.71437	20.213	18.684	18.221	17.907	17.819	25.493	82.985
1142	115.16307	17.14760	20.885	19.241	18.600	18.373	18.286	115.15843	17.14335	20.856	19.234	18.628	18.402	18.304	22.114	226.261
1143	115.19915	39.79241	16.433	15.138	14.716	14.578	14.546	115.20315	39.79368	16.413	15.146	14.729	14.591	14.552	11.989	67.546
1144	115.21357	9.16922	21.253	18.632	17.402	16.929	16.679	115.21906	9.17453	21.267	18.647	17.421	16.947	16.687	27.343	45.547
1145	115.22263	9.12198	19.295	17.854	17.377	17.207	17.189	115.22162	9.12603	19.267	17.857	17.384	17.215	17.193	15.047	346.202
1146	115.24749	-0.85044	18.150	16.261	15.555	15.307	15.194	115.24779	-0.85193	18.157	16.280	15.560	15.309	15.201	5.462	168.501
1147	115.28522	45.49062	18.387	16.909	16.369	16.172	16.099	115.29410	45.49049	18.399	16.938	16.382	16.171	16.086	22.41	91.156
1148	115.30191	0.06334	19.563	18.190	17.684	17.508	17.440	115.30264	0.05693	19.556	18.189	17.684	17.499	17.411	23.219	173.512
1149	115.31662	-10.20741	19.624	18.357	17.933	17.730	17.721	115.31136	-10.20507	19.605	18.362	17.942	17.747	17.698	20.478	294.271
1150	115.38907	28.97185	21.486	19.091	17.920	17.434	17.196	115.38623	28.96789	21.468	19.080	17.942	17.456	17.222	16.815	212.093
1151	115.43508	-12.14514	18.196	16.884	16.475	16.295	16.237	115.43355	-12.14731	18.179	16.910	16.484	16.317	16.246	9.475	214.608
1152	115.46432	0.96560	19.579	18.043	17.401	17.124	17.023	115.45974	0.96222	19.606	18.072	17.424	17.137	17.028	20.495	233.584
1153	115.46715	-12.65790	19.734	18.342	17.770	17.541	17.408	115.46774	-12.66587	19.725	18.321	17.795	17.559	17.437	28.738	175.895
1154	115.52619	31.76839	16.832	15.702	15.328	15.187	15.152	115.52511	31.76987	16.837	15.678	15.334	15.202	15.175	6.27	328.147
1155	115.61655	-12.49415	19.317	17.618	16.968	16.723	16.618	115.61566	-12.49953	19.338	17.625	16.969	16.745	16.611	19.613	189.114
1156	115.63933	10.15372	19.605	18.181	17.681	17.500	17.434	115.63991	10.15986	19.579	18.167	17.698	17.509	17.456	22.213	5.325
1157	115.70418	0.50256	18.708	17.513	17.050	16.882	16.819	115.70708	0.49823	18.711	17.503	17.057	16.882	16.794	18.766	146.231
1158	115.71049	11.58079	19.165	17.697	17.138	16.896	16.800	115.70490	11.57955	19.162	17.722	17.144	16.913	16.814	20.231	257.18
1159	115.76456	19.74702	18.959	17.827	17.396	17.247	17.184	115.76340	19.74761	18.986	17.826	17.411	17.256	17.202	4.468	298.381
1160	115.86490	21.81269	17.918	16.764	16.390	16.252	16.232	115.86782	21.81950	17.948	16.753	16.392	16.254	16.212	26.378	21.697
1161	115.92060	-0.32888	17.043	15.380	14.789	14.596	14.512	115.91397	-0.33117	17.013	15.388	14.814	14.618	14.534	25.246	250.912
1162	115.94689	-0.42543	18.271	17.018	16.612	16.449	16.406	115.94815	-0.42543	18.257	17.036	16.628	16.458	16.398	4.551	90.018
1163	116.04760	-10.36203	19.830	18.599	18.188	18.023	17.921	116.05019	-10.36368	19.811	18.615	18.191	18.023	17.927	10.954	122.978
1164	116.08853	1.37957	20.974	19.425	18.786	18.500	18.357	116.08909	1.38561	20.987	19.447	18.807	18.520	18.382	21.837	5.299
1165	116.12496	-12.19847	19.232	17.769	17.171	16.969	16.901	116.12418	-12.19615	19.257	17.746	17.178	16.971	16.884	8.813	341.802
1166	116.20660	23.73450	19.493	18.151	17.619	17.406	17.346	116.20995	23.73540	19.471	18.125	17.633	17.426	17.356	11.511	73.654
1167	116.27101	17.37376	16.526	15.423	15.120	15.027	15.032	116.26462	17.37284	16.532	15.441	15.140	15.052	15.055	22.185	261.46
1168	116.28407	-12.13601	16.994	15.815	15.430	15.269	15.215	116.28859	-12.13080	17.012	15.815	15.431	15.278	15.233	24.565	40.289
1169	116.35870	-11.62824	18.824	17.561	17.057	16.879	16.792	116.35573	-11.63232	18.818	17.559	17.070	16.872	16.819	18.022	215.485
1170	116.41339	13.69648	20.171	17.753	16.625	16.199	15.974	116.41141	13.69827	20.182	17.769	16.639	16.210	15.984	9.444	312.95
1171	116.47721	-10.15053	18.295	16.974	16.593	16.439	16.398	116.48230	-10.15083	18.271	16.989	16.612	16.459	16.397	18.061	93.424

1172	116.69291	11.45715	19.849	18.380	17.859	17.649	17.590	116.68892	11.46291	19.840	18.400	17.883	17.677	17.618	25.057	325.85
1173	116.70911	-0.43734	18.879	17.823	17.423	17.295	17.310	116.70421	-0.43260	18.908	17.840	17.439	17.309	17.300	24.534	314.084
1174	116.77490	12.00127	18.394	17.051	16.580	16.411	16.367	116.77382	12.00774	18.372	17.057	16.590	16.402	16.348	23.597	350.685
1175	116.87579	21.51589	16.222	15.037	14.734	14.636	14.625	116.87548	21.52241	16.195	15.021	14.762	14.651	14.640	23.488	357.473
1176	116.89187	-11.38815	20.370	19.171	18.651	18.471	18.409	116.89127	-11.39166	20.348	19.178	18.669	18.479	18.400	12.787	189.49
1177	116.92560	-9.50278	20.970	19.208	18.607	18.376	18.317	116.92435	-9.50085	20.979	19.221	18.620	18.365	18.341	8.249	327.376
1178	116.98598	13.00613	19.939	18.462	17.913	17.773	17.690	116.98304	13.00478	19.911	18.476	17.923	17.777	17.707	11.408	244.74
1179	117.11774	8.88308	19.183	17.004	16.220	15.970	15.868	117.11540	8.87657	19.182	16.998	16.227	15.985	15.879	24.838	199.539
1180	117.14679	-10.84190	20.084	18.871	18.367	18.135	18.068	117.14631	-10.83909	20.108	18.846	18.374	18.138	18.065	10.255	350.474
1181	117.18436	28.75245	19.745	18.171	17.619	17.402	17.241	117.17722	28.74767	19.749	18.201	17.644	17.392	17.261	28.361	232.6
1182	117.35158	8.01813	16.188	15.058	14.777	14.671	14.673	117.34961	8.01915	16.180	15.078	14.780	14.662	14.649	7.928	297.622
1183	117.46439	-10.43689	20.466	19.228	18.760	18.536	18.518	117.45999	-10.43341	20.483	19.203	18.777	18.555	18.535	19.999	308.801
1184	117.48884	35.61579	18.808	17.492	17.001	16.818	16.763	117.49124	35.61713	18.781	17.511	17.021	16.832	16.782	8.508	55.432
1185	117.50868	-10.99889	20.835	19.330	18.769	18.531	18.405	117.50819	-10.99534	20.830	19.324	18.772	18.525	18.433	12.921	352.33
1186	117.65820	13.11128	18.865	17.547	17.074	16.916	16.865	117.65292	13.10932	18.867	17.567	17.083	16.917	16.849	19.838	249.159
1187	117.70671	36.06845	18.481	17.317	16.863	16.727	16.688	117.70534	36.06863	18.499	17.294	16.865	16.714	16.675	4.04	279.126
1188	118.01236	-10.31082	20.807	19.513	18.967	18.790	18.705	118.01448	-10.31331	20.793	19.485	18.985	18.808	18.708	11.68	139.998
1189	118.10481	-10.20518	20.110	18.512	17.971	17.724	17.678	118.10558	-10.20438	20.110	18.522	17.973	17.704	17.691	3.984	43.541
1190	118.18851	8.71372	18.530	17.288	16.843	16.686	16.631	118.18571	8.71892	18.544	17.289	16.859	16.684	16.637	21.197	331.945
1191	118.20329	51.65916	20.087	18.516	17.928	17.679	17.608	118.20870	51.65474	20.064	18.497	17.938	17.705	17.637	19.995	142.794
1192	118.32671	41.13010	19.523	17.843	17.240	17.052	16.957	118.32632	41.13134	19.551	17.868	17.251	17.058	16.966	4.58	346.645
1193	118.38206	-0.27492	15.911	14.584	14.127	13.963	13.908	118.38356	-0.28018	15.905	14.572	14.129	13.976	13.932	19.683	164.06
1194	118.38304	11.04049	19.750	18.121	17.527	17.313	17.206	118.38444	11.04292	19.732	18.130	17.542	17.331	17.209	10.047	29.642
1195	118.57989	-8.45297	19.068	17.793	17.322	17.143	17.043	118.58209	-8.44729	19.040	17.809	17.337	17.137	17.026	21.88	21.01
1196	118.65499	4.94869	19.345	18.231	17.835	17.721	17.684	118.65974	4.94840	19.331	18.221	17.856	17.747	17.680	17.087	93.555
1197	118.80966	0.71275	17.508	16.341	15.991	15.887	15.871	118.80595	0.71248	17.488	16.353	16.006	15.904	15.880	13.389	265.775
1198	118.84402	7.14934	17.066	15.843	15.448	15.332	15.315	118.83821	7.14629	17.056	15.838	15.458	15.352	15.343	23.463	242.149
1199	118.98468	-8.69747	21.770	19.956	18.997	18.638	18.435	118.98794	-8.69883	21.763	19.943	19.007	18.643	18.453	12.605	112.909
1200	119.05762	-9.26496	18.549	17.395	16.992	16.796	16.797	119.05704	-9.26894	18.528	17.422	17.007	16.806	16.774	14.486	188.132
1201	119.10606	1.09523	19.310	18.171	17.803	17.672	17.636	119.10501	1.09822	19.312	18.198	17.805	17.665	17.639	11.405	340.548
1202	119.12811	26.93562	19.131	17.803	17.331	17.153	17.081	119.12565	26.93389	19.159	17.803	17.334	17.152	17.094	10.046	231.824
1203	119.20803	-10.09970	20.997	19.411	18.799	18.588	18.504	119.21196	-10.10291	20.982	19.423	18.805	18.600	18.519	18.093	129.626
1204	119.21409	11.16817	17.503	16.221	15.753	15.608	15.574	119.21519	11.16721	17.515	16.228	15.761	15.621	15.584	5.196	131.327
1205	119.23514	49.51735	18.098	16.474	15.851	15.632	15.535	119.23890	49.51670	18.107	16.490	15.872	15.653	15.511	9.093	104.929
1206	119.71250	-0.47808	19.068	17.809	17.382	17.223	17.172	119.70822	-0.47411	19.045	17.785	17.385	17.221	17.198	21.031	312.794
1207	120.29786	4.30087	19.863	18.064	17.387	17.153	17.059	120.29248	4.30266	19.851	18.067	17.390	17.148	17.034	20.35	288.411
1208	120.30219	-9.80875	18.354	17.247	16.879	16.753	16.731	120.30877	-9.80909	18.358	17.253	16.880	16.751	16.703	23.394	93.049
1209	120.96629	-9.54922	19.574	17.983	17.402	17.180	17.105	120.97252	-9.55047	19.604	18.000	17.411	17.191	17.101	22.549	101.547

1210	120.99049	2.85240	17.369	16.010	15.572	15.432	15.389	120.99677	2.85677	17.343	16.032	15.594	15.446	15.390	27.537	55.098
1211	121.28968	-9.52664	21.067	19.391	18.732	18.503	18.449	121.29188	-9.53345	21.070	19.361	18.735	18.519	18.434	25.719	162.318
1212	121.52163	19.15705	17.282	16.160	15.823	15.707	15.686	121.51360	19.15711	17.271	16.153	15.837	15.721	15.701	27.303	270.425
1213	121.63965	1.26227	17.833	16.466	15.978	15.828	15.796	121.63658	1.26556	17.807	16.463	15.992	15.849	15.810	16.218	317.081
1214	121.77023	-8.68303	18.678	17.106	16.545	16.333	16.227	121.76806	-8.68581	18.700	17.134	16.567	16.354	16.243	12.633	217.517
1215	121.84357	52.13069	19.444	17.875	17.272	17.059	16.971	121.84537	52.12807	19.474	17.900	17.290	17.089	16.983	10.216	157.087
1216	121.93140	-1.19841	16.884	15.737	15.374	15.253	15.226	121.93894	-1.20080	16.893	15.736	15.378	15.263	15.241	28.45	107.57
1217	122.09249	8.03281	17.664	16.423	16.023	15.889	15.852	122.09230	8.03795	17.639	16.410	16.024	15.893	15.872	18.502	357.983
1218	122.13132	2.71989	17.059	15.959	15.660	15.569	15.561	122.13465	2.71460	17.088	15.971	15.666	15.573	15.552	22.516	147.826
1219	122.25084	14.96080	21.992	19.609	18.301	17.737	17.431	122.25486	14.96752	22.008	19.616	18.302	17.733	17.412	27.94	29.987
1220	122.59629	22.43890	16.645	15.488	15.150	15.014	14.988	122.60074	22.43961	16.642	15.508	15.160	15.012	14.999	15.022	80.185
1221	122.63128	1.49658	17.646	16.468	16.060	15.914	15.866	122.63598	1.49077	17.641	16.464	16.069	15.922	15.888	26.88	141.017
1222	122.66952	8.83973	18.724	17.371	16.871	16.698	16.611	122.66307	8.83909	18.725	17.371	16.889	16.723	16.624	23.061	264.254
1223	122.76709	-8.53366	19.027	17.473	16.799	16.446	16.205	122.76513	-8.53215	19.000	17.457	16.802	16.449	16.217	8.86	307.864
1224	122.87716	3.61804	19.429	17.525	16.816	16.571	16.464	122.87684	3.61034	19.421	17.532	16.820	16.583	16.474	27.743	182.369
1225	122.95240	-8.57226	21.163	19.623	19.029	18.791	18.656	122.95276	-8.56785	21.135	19.605	19.046	18.799	18.655	15.943	4.549
1226	123.23573	12.83875	18.816	17.043	16.359	16.083	15.961	123.23545	12.84549	18.799	17.061	16.368	16.099	15.951	24.277	357.717
1227	123.66494	-5.74714	16.987	15.401	14.821	14.642	14.507	123.66461	-5.74558	17.016	15.418	14.831	14.639	14.525	5.741	348.112
1228	123.94962	-6.88296	18.603	17.328	16.857	16.701	16.650	123.94953	-6.89047	18.616	17.353	16.867	16.699	16.638	27.052	180.64
1229	124.38017	8.17891	19.000	16.423	15.012	14.297	13.919	124.37794	8.17790	19.008	16.445	15.034	14.314	13.926	8.721	245.271
1230	124.49535	36.59675	18.419	17.289	16.879	16.738	16.684	124.48715	36.59567	18.444	17.301	16.885	16.731	16.660	24.028	260.674
1231	124.56781	11.59369	19.294	17.716	17.148	16.945	16.864	124.56603	11.58852	19.292	17.713	17.158	16.957	16.863	19.632	198.629
1232	124.72541	17.34332	17.600	16.436	16.049	15.910	15.873	124.72658	17.34458	17.601	16.430	16.049	15.917	15.888	6.052	41.478
1233	124.74199	34.38744	17.167	15.983	15.612	15.490	15.447	124.74024	34.38680	17.160	15.989	15.615	15.493	15.459	5.673	246.155
1234	124.97048	11.69314	17.653	16.536	16.173	16.052	16.013	124.96944	11.69504	17.656	16.553	16.182	16.047	16.015	7.745	331.655
1235	125.43710	-4.57812	18.627	17.393	16.909	16.742	16.681	125.43961	-4.57937	18.655	17.399	16.927	16.754	16.684	10.062	116.659
1236	125.54779	4.18503	21.965	19.212	17.781	17.134	16.734	125.55157	4.19054	21.959	19.205	17.787	17.135	16.727	24.056	34.373
1237	126.02257	-0.30467	20.273	19.291	19.022	18.942	18.931	126.01555	-0.30400	20.260	19.301	19.051	18.946	18.918	25.393	275.442
1238	126.12572	-6.48833	18.293	17.080	16.645	16.521	16.462	126.12500	-6.48592	18.291	17.108	16.675	16.533	16.477	9.054	343.604
1239	126.13157	25.34992	19.143	17.792	17.258	17.096	17.039	126.12653	25.35150	19.143	17.773	17.272	17.092	17.032	17.359	289.056
1240	126.43505	-4.22895	17.999	16.741	16.291	16.160	16.096	126.43404	-4.23451	17.982	16.756	16.305	16.171	16.110	20.35	190.204
1241	126.61396	11.60914	17.509	16.182	15.723	15.571	15.547	126.61476	11.60993	17.499	16.185	15.730	15.573	15.526	3.983	44.683
1242	126.80180	36.01660	17.826	16.073	15.405	15.153	15.049	126.80252	36.01511	17.847	16.094	15.423	15.171	15.070	5.761	158.666
1243	127.31318	10.64865	17.604	16.362	15.924	15.763	15.704	127.31627	10.65000	17.608	16.382	15.931	15.764	15.686	11.987	65.961
1244	127.57921	-3.29243	18.725	17.484	17.063	16.936	16.894	127.58528	-3.29128	18.698	17.492	17.090	16.954	16.916	22.18	79.239
1245	128.40617	21.84539	16.952	15.846	15.484	15.365	15.343	128.40405	21.84915	16.981	15.846	15.490	15.375	15.362	15.304	332.329
1246	129.33637	1.31409	20.729	18.644	17.770	17.480	17.309	129.34060	1.32069	20.713	18.640	17.800	17.502	17.305	28.223	32.639
1247	129.54421	16.45271	18.824	17.451	16.972	16.799	16.766	129.54847	16.45032	18.794	17.446	16.985	16.790	16.743	17.059	120.29

1248	129.54869	6.28798	19.418	17.487	16.675	16.353	16.173	129.54178	6.28989	19.402	17.477	16.680	16.342	16.159	25.648	285.512
1249	130.72414	0.78243	17.150	15.970	15.579	15.442	15.426	130.72187	0.78196	17.179	15.978	15.594	15.453	15.432	8.359	258.237
1250	132.18192	2.04197	17.064	15.837	15.448	15.319	15.293	132.18838	2.04022	17.066	15.837	15.456	15.331	15.309	24.057	105.153
1251	133.52985	5.91506	20.795	18.562	17.549	17.166	16.981	133.53069	5.92267	20.820	18.592	17.557	17.176	16.988	27.571	6.2
1252	133.74140	12.89466	17.802	16.425	15.883	15.693	15.622	133.73982	12.89574	17.821	16.439	15.896	15.705	15.629	6.764	305.142
1253	135.63646	1.52136	19.356	16.820	15.670	15.241	15.013	135.63105	1.52331	19.375	16.822	15.682	15.259	15.040	20.668	289.792
1254	140.54747	34.05739	18.834	16.281	14.856	13.956	13.452	140.55191	34.05826	18.823	16.298	14.874	13.970	13.465	13.606	76.799
1255	142.06496	7.08229	17.865	15.633	14.740	14.437	14.284	142.06453	7.08342	17.868	15.618	14.741	14.444	14.300	4.335	339.54
1256	143.41278	54.91070	21.393	18.533	17.008	16.043	15.561	143.41329	54.91150	21.383	18.552	17.021	16.060	15.567	3.052	20.307
1257	143.87558	22.82879	18.303	16.851	16.279	16.075	15.939	143.87597	22.83159	18.327	16.856	16.297	16.081	15.950	10.184	7.438
1258	144.77660	6.56910	17.787	16.803	16.407	16.249	16.193	144.77107	6.56944	17.810	16.812	16.418	16.266	16.221	19.829	273.486
1259	145.59527	32.00325	18.238	16.979	16.521	16.366	16.297	145.60127	32.00687	18.240	17.009	16.535	16.370	16.304	22.471	54.602
1260	146.97790	28.45611	19.267	17.822	17.247	17.051	16.933	146.97696	28.45548	19.294	17.826	17.254	17.031	16.915	3.735	233.064
1261	148.06630	43.29096	17.643	16.599	16.268	16.154	16.159	148.07063	43.28948	17.656	16.616	16.283	16.178	16.177	12.548	115.147
1262	149.04780	46.28040	20.626	17.870	16.428	15.274	14.689	149.04593	46.28242	20.598	17.868	16.455	15.302	14.709	8.614	327.265
1263	154.26762	26.36492	19.559	16.878	15.476	14.366	13.773	154.26640	26.36502	19.550	16.900	15.497	14.385	13.784	3.934	275.366
1264	154.40377	-3.25443	18.413	16.908	16.370	16.189	16.149	154.40489	-3.25301	18.384	16.906	16.376	16.190	16.140	6.485	38.142
1265	155.11777	31.66484	21.952	20.471	19.826	19.520	19.316	155.11727	31.66205	21.935	20.488	19.838	19.509	19.343	10.166	188.64
1266	157.99842	14.25349	17.305	16.207	15.861	15.720	15.690	158.00041	14.25338	17.320	16.225	15.868	15.720	15.698	6.923	93.279
1267	158.09263	80.18564	16.708	15.478	15.092	14.975	14.937	158.09701	80.18506	16.704	15.494	15.100	14.975	14.959	3.412	127.901
1268	160.64713	40.10825	16.931	15.165	14.504	14.276	14.203	160.64723	40.10728	16.932	15.169	14.524	14.288	14.204	3.482	175.701
1269	164.72061	28.71231	19.528	18.586	18.319	18.187	18.156	164.71394	28.71303	19.534	18.611	18.331	18.201	18.170	21.205	276.967
1270	164.75697	10.92860	19.993	17.223	15.794	14.400	13.637	164.75545	10.92817	20.000	17.238	15.801	14.410	13.635	5.593	253.637
1271	166.69453	-15.39499	17.303	15.721	15.160	14.966	14.891	166.69798	-15.39928	17.288	15.732	15.174	14.978	14.906	19.528	142.251
1272	167.56814	14.87287	21.527	18.938	17.505	16.564	16.060	167.57211	14.87303	21.557	18.960	17.534	16.587	16.071	13.823	87.615
1273	167.92998	21.69976	17.838	16.294	15.718	15.529	15.459	167.92419	21.70008	17.830	16.321	15.740	15.554	15.479	19.403	273.406
1274	168.58440	35.30364	21.694	19.081	17.623	16.765	16.300	168.58518	35.30278	21.714	19.056	17.637	16.779	16.314	3.858	143.958
1275	168.93029	25.61696	18.311	17.488	17.140	17.013	16.996	168.92868	25.61592	18.335	17.495	17.141	17.021	17.002	6.421	234.408
1276	169.30820	6.80204	18.104	16.077	15.248	14.952	14.783	169.31016	6.80161	18.129	16.079	15.250	14.955	14.792	7.173	102.296
1277	169.89259	-10.90264	19.188	18.050	17.589	17.422	17.350	169.89579	-10.89594	19.214	18.070	17.601	17.435	17.350	26.622	25.088
1278	170.07723	9.00031	18.884	16.833	15.973	15.685	15.533	170.07782	8.99781	18.884	16.819	15.984	15.679	15.552	9.229	166.761
1279	170.38997	51.20008	20.092	17.636	16.279	14.962	14.249	170.38818	51.20013	20.117	17.653	16.293	14.967	14.249	4.029	272.427
1280	171.72089	68.01454	18.631	16.790	16.135	15.940	15.889	171.72287	68.01492	18.635	16.762	16.144	15.934	15.861	3.001	62.861
1281	171.76036	25.91795	16.069	14.634	14.154	13.982	13.940	171.76254	25.91803	16.068	14.660	14.179	14.004	13.951	7.06	87.642
1282	173.43379	-3.21956	18.477	16.948	16.269	15.999	15.897	173.43561	-3.22128	18.500	16.950	16.286	16.008	15.889	8.998	133.252
1283	174.52293	65.90185	18.069	16.289	15.631	15.408	15.304	174.52374	65.90082	18.099	16.306	15.654	15.430	15.333	3.876	162.058
1284	174.65912	68.38243	19.011	17.514	16.936	16.749	16.649	174.65977	68.38119	19.036	17.504	16.944	16.752	16.652	4.556	169.023
1285	178.39056	-2.89453	15.969	14.893	14.554	14.426	14.404	178.38786	-2.89704	15.985	14.921	14.571	14.438	14.412	13.26	227.071

1286	178.54326	16.59447	17.966	16.126	15.459	15.212	15.099	178.54304	16.59238	17.943	16.136	15.472	15.218	15.105	7.531	185.681
1287	183.67761	49.78827	21.202	20.303	19.958	19.817	19.854	183.68122	49.79316	21.209	20.307	19.960	19.817	19.839	19.509	25.453
1288	185.58552	34.34678	17.311	15.456	14.819	14.621	14.530	185.58280	34.34814	17.323	15.476	14.833	14.635	14.552	9.452	301.145
1289	185.69028	38.66355	16.650	15.414	14.950	14.799	14.762	185.69530	38.66406	16.632	15.407	14.958	14.814	14.790	14.216	82.545
1290	189.74174	-14.10815	19.749	18.887	18.569	18.440	18.380	189.74025	-14.11482	19.738	18.865	18.570	18.451	18.405	24.591	192.227
1291	191.27805	13.19617	17.857	16.581	16.132	15.983	15.945	191.27680	13.19685	17.875	16.610	16.155	16.005	15.969	5.016	299.468
1292	191.61220	63.26543	17.385	16.191	15.793	15.658	15.638	191.60764	63.26691	17.405	16.200	15.806	15.673	15.661	9.118	305.928
1293	193.83871	63.51863	20.365	17.682	16.361	15.817	15.541	193.83556	63.52042	20.353	17.704	16.378	15.831	15.562	8.161	321.8
1294	196.67715	19.54197	18.266	17.045	16.575	16.407	16.348	196.67576	19.54415	18.241	17.041	16.580	16.417	16.368	9.169	329.052
1295	197.63073	10.56484	19.713	18.084	17.475	17.242	17.151	197.63087	10.56401	19.730	18.095	17.487	17.252	17.122	3.023	170.554
1296	199.97529	34.73489	16.453	15.428	15.114	15.005	14.989	199.97816	34.73347	16.438	15.421	15.115	15.017	15.012	9.911	121.14
1297	204.02326	8.47060	20.219	19.223	18.931	18.796	18.781	204.02256	8.47469	20.245	19.201	18.946	18.812	18.810	14.917	350.368
1298	205.39713	28.36382	19.944	18.931	18.709	18.612	18.601	205.40488	28.35953	19.945	18.955	18.728	18.588	18.578	29.01	122.189
1299	205.45359	28.42557	18.888	17.620	17.100	16.835	16.777	205.45096	28.43235	18.901	17.600	17.100	16.847	16.771	25.793	341.113
1300	207.15250	13.37452	19.185	18.261	18.002	17.923	17.874	207.15956	13.37291	19.196	18.291	18.021	17.927	17.856	25.426	103.232
1301	209.59845	-6.10874	20.349	19.487	19.131	19.084	18.977	209.59798	-6.10192	20.335	19.480	19.139	19.057	18.974	24.617	356.112
1302	209.80772	-0.75817	20.051	18.852	18.379	18.152	18.079	209.80690	-0.75949	20.040	18.865	18.387	18.180	18.102	5.617	211.878
1303	210.06974	-9.56469	20.050	19.068	18.682	18.552	18.462	210.06482	-9.56620	20.067	19.050	18.692	18.565	18.486	18.309	252.669
1304	210.42353	11.62338	19.423	17.574	16.864	16.625	16.513	210.42278	11.62261	19.446	17.570	16.873	16.618	16.504	3.856	223.418
1305	210.53487	10.73494	21.729	19.030	17.613	16.966	16.593	210.53515	10.72703	21.746	19.038	17.636	16.984	16.616	28.503	178.035
1306	210.92219	29.39434	16.997	15.068	14.406	14.218	14.150	210.92422	29.39010	17.024	15.085	14.430	14.236	14.168	16.547	157.318
1307	212.27616	24.66700	18.068	16.082	15.285	15.024	14.887	212.27950	24.66675	18.061	16.101	15.310	15.032	14.863	10.975	94.581
1308	213.68152	-18.71191	18.258	16.841	16.332	16.151	16.076	213.68490	-18.71056	18.250	16.869	16.345	16.156	16.059	12.52	67.241
1309	213.93043	-14.51780	17.615	15.646	14.894	14.636	14.522	213.93174	-14.51659	17.636	15.671	14.911	14.651	14.534	6.313	46.378
1310	214.17639	-17.50320	18.848	17.612	17.147	16.969	16.928	214.17316	-17.50255	18.847	17.615	17.173	16.993	16.920	11.341	281.863
1311	214.59756	7.66520	18.337	16.778	16.214	16.038	15.972	214.59618	7.66435	18.321	16.783	16.225	16.050	15.988	5.786	238.211
1312	215.48911	-19.22203	17.636	16.131	15.608	15.411	15.325	215.48808	-19.22162	17.617	16.138	15.629	15.429	15.341	3.81	292.588
1313	215.96079	17.43517	18.684	17.703	17.460	17.365	17.355	215.96509	17.43985	18.706	17.730	17.475	17.378	17.376	22.398	41.228
1314	216.93156	32.20455	19.236	18.260	17.962	17.883	17.790	216.93776	32.20809	19.216	18.254	17.962	17.866	17.818	22.774	55.95
1315	218.24395	2.47322	19.220	16.664	15.556	15.150	14.947	218.24561	2.47319	19.220	16.677	15.572	15.166	14.953	5.971	90.905
1316	220.07029	47.03444	19.102	18.150	17.866	17.762	17.760	220.07766	47.03716	19.093	18.131	17.879	17.773	17.732	20.567	61.573
1317	221.36233	9.77112	18.968	17.693	17.223	17.042	16.989	221.35790	9.76481	18.948	17.693	17.226	17.046	17.010	27.628	214.667
1318	221.51424	41.29288	18.113	16.896	16.453	16.289	16.240	221.51299	41.29427	18.132	16.893	16.456	16.313	16.254	6.035	326.02
1319	222.31515	48.11046	18.261	17.062	16.603	16.475	16.442	222.31245	48.11853	18.278	17.037	16.614	16.479	16.469	29.774	347.431
1320	223.00465	49.78132	21.536	20.130	19.549	19.330	19.223	223.00565	49.77713	21.532	20.132	19.565	19.321	19.233	15.265	171.265
1321	223.54732	16.72634	17.756	16.621	16.243	16.105	16.053	223.54327	16.72645	17.729	16.597	16.254	16.106	16.046	13.953	271.614
1322	225.50438	60.95314	19.562	16.959	15.530	14.529	13.993	225.49938	60.96019	19.571	16.967	15.541	14.528	14.002	26.831	340.995
1323	227.54098	24.28509	19.180	18.205	17.905	17.792	17.756	227.54323	24.28648	19.193	18.232	17.915	17.787	17.769	8.95	55.922

1324	228.13820	2.84525	19.477	18.495	18.171	18.064	18.014	228.14332	2.84636	19.475	18.512	18.176	18.041	18.003	18.838	77.747
1325	228.97583	14.42826	19.067	17.853	17.433	17.283	17.210	228.97945	14.43295	19.054	17.883	17.451	17.293	17.231	21.069	36.762
1326	229.76288	2.02568	19.218	18.224	17.852	17.733	17.733	229.76398	2.03052	19.243	18.252	17.872	17.760	17.744	17.86	12.805
1327	230.92187	-2.40371	18.223	16.421	15.663	15.358	15.169	230.92249	-2.40608	18.231	16.412	15.670	15.368	15.180	8.822	165.346
1328	232.63066	3.12210	17.010	15.690	15.217	15.093	15.039	232.62793	3.12151	17.013	15.673	15.223	15.095	15.056	10.021	257.778
1329	232.88636	9.03048	17.770	16.689	16.360	16.243	16.215	232.88811	9.02941	17.776	16.699	16.369	16.255	16.226	7.32	121.811
1330	232.96070	32.53747	17.939	16.803	16.416	16.280	16.247	232.96074	32.54111	17.956	16.828	16.432	16.289	16.245	13.114	0.476
1331	233.60940	-2.76335	18.292	16.643	15.852	15.480	15.259	233.61079	-2.76880	18.280	16.638	15.859	15.488	15.280	20.223	165.637
1332	233.83578	-1.13890	19.854	18.567	18.059	17.866	17.805	233.83845	-1.14136	19.881	18.586	18.074	17.865	17.781	13.069	132.713
1333	234.00695	-0.76641	18.646	17.463	16.990	16.798	16.699	234.00973	-0.76445	18.664	17.443	16.999	16.810	16.721	12.227	54.771
1334	234.46934	-14.21490	19.177	17.849	17.330	17.098	16.987	234.46835	-14.21939	19.198	17.842	17.339	17.119	16.994	16.557	192.106
1335	234.89690	0.70344	20.423	19.186	18.626	18.422	18.323	234.89279	0.70220	20.449	19.175	18.642	18.418	18.313	15.447	253.274
1336	234.92542	23.39500	19.683	18.536	18.090	17.938	17.871	234.93056	23.39646	19.711	18.556	18.110	17.930	17.887	17.78	72.823
1337	235.29204	-20.96842	20.171	18.813	18.268	17.982	17.843	235.29326	-20.97337	20.143	18.833	18.288	17.978	17.840	18.3	167.126
1338	235.65347	45.33627	18.454	17.347	16.954	16.811	16.794	235.64597	45.33327	18.458	17.343	16.965	16.839	16.810	21.842	240.348
1339	236.40228	-16.77890	20.765	19.677	19.309	19.160	19.017	236.40174	-16.77331	20.793	19.706	19.320	19.163	19.039	20.238	354.693
1340	236.42757	2.73628	17.852	16.698	16.233	16.042	15.972	236.43014	2.73156	17.878	16.688	16.236	16.054	15.970	19.324	151.429
1341	236.83842	-20.40883	20.864	19.225	18.494	18.176	17.954	236.84680	-20.41141	20.864	19.234	18.496	18.156	17.939	29.775	108.219
1342	237.31343	-18.90638	19.459	17.696	16.978	16.727	16.567	237.31086	-18.90786	19.444	17.712	16.984	16.731	16.568	10.243	238.684
1343	237.66717	-1.05491	19.357	18.088	17.536	17.324	17.196	237.67160	-1.05129	19.347	18.078	17.540	17.320	17.204	20.598	50.724
1344	237.81233	1.45886	18.912	17.476	16.922	16.720	16.622	237.80958	1.45703	18.895	17.479	16.929	16.728	16.623	11.883	236.322
1345	237.90654	-17.16070	18.365	17.093	16.583	16.373	16.275	237.91464	-17.16365	18.374	17.105	16.593	16.391	16.277	29.821	110.827
1346	238.16129	3.68358	18.156	16.850	16.314	16.081	15.974	238.16246	3.68244	18.153	16.860	16.331	16.085	15.979	5.871	134.052
1347	238.17804	-16.40627	19.645	18.042	17.402	17.136	16.974	238.17002	-16.40800	19.661	18.068	17.408	17.124	16.951	28.389	257.289
1348	238.39693	-17.00233	19.138	17.707	17.133	16.880	16.741	238.39676	-17.00450	19.144	17.719	17.149	16.883	16.757	7.81	184.1
1349	238.40837	34.35383	17.923	16.984	16.680	16.567	16.542	238.40757	34.36117	17.948	16.980	16.691	16.571	16.546	26.518	354.89
1350	238.40936	2.37830	18.574	17.288	16.760	16.580	16.463	238.41673	2.37863	18.591	17.307	16.783	16.600	16.490	26.531	87.388
1351	238.44157	42.97058	19.528	17.560	16.790	16.514	16.375	238.44043	42.97016	19.520	17.584	16.808	16.531	16.397	3.38	243.419
1352	238.46837	49.67707	18.864	17.488	16.980	16.820	16.762	238.47099	49.68214	18.855	17.479	16.989	16.818	16.756	19.258	18.476
1353	238.62132	-18.60239	18.556	17.159	16.533	16.239	16.071	238.62328	-18.59995	18.541	17.154	16.552	16.264	16.101	11.041	37.335
1354	238.65058	0.45126	21.328	19.807	19.192	18.949	18.818	238.65741	0.44701	21.303	19.829	19.218	18.946	18.829	28.957	121.868
1355	238.67161	-18.79686	21.182	19.712	19.014	18.701	18.547	238.67491	-18.79581	21.191	19.712	19.016	18.708	18.525	11.849	71.41
1356	240.35962	-0.96814	18.463	17.177	16.647	16.391	16.283	240.35890	-0.96724	18.434	17.164	16.648	16.408	16.294	4.151	321.564
1357	241.15739	-17.47597	21.183	19.908	19.333	19.074	18.906	241.16084	-17.47952	21.175	19.901	19.334	19.065	18.904	17.423	137.202
1358	241.43596	-19.17805	21.429	19.771	18.938	18.573	18.333	241.44229	-19.17394	21.433	19.753	18.952	18.590	18.316	26.119	55.521
1359	241.70864	32.33088	19.273	18.369	18.111	17.988	17.973	241.71288	32.32991	19.258	18.368	18.114	17.993	17.990	13.338	105.056
1360	242.02970	-19.55029	21.038	19.636	18.949	18.723	18.483	242.03204	-19.55104	21.016	19.649	18.969	18.735	18.511	8.371	108.958
1361	242.09844	3.59562	18.182	16.927	16.480	16.316	16.251	242.10006	3.58902	18.189	16.941	16.506	16.340	16.270	24.444	166.254

1362	242.18419	35.41529	19.706	18.115	17.497	17.282	17.147	242.17622	35.41696	19.726	18.120	17.506	17.285	17.161	24.135	284.424
1363	242.39012	-14.29965	20.462	19.251	18.682	18.431	18.303	242.38470	-14.30611	20.441	19.263	18.703	18.441	18.301	29.973	219.08
1364	242.51313	0.53629	17.506	16.082	15.540	15.351	15.269	242.51282	0.52806	17.524	16.089	15.545	15.352	15.278	29.637	182.179
1365	242.59142	-0.22436	18.555	16.752	16.082	15.866	15.773	242.58901	-0.22511	18.531	16.762	16.087	15.857	15.751	9.068	252.748
1366	242.81209	27.04618	18.701	17.273	16.754	16.571	16.496	242.80622	27.04521	18.695	17.293	16.777	16.592	16.493	19.144	259.513
1367	243.10926	55.09412	21.928	19.512	18.367	17.924	17.666	243.11393	55.08830	21.932	19.530	18.387	17.938	17.648	23.066	155.371
1368	243.34834	42.87684	18.616	17.122	16.549	16.342	16.226	243.35044	42.88157	18.638	17.127	16.566	16.340	16.231	17.905	18.023
1369	243.39660	-15.66237	20.967	19.299	18.565	18.292	18.090	243.40108	-15.65690	20.949	19.321	18.588	18.287	18.109	25.077	38.267
1370	243.57711	-14.97546	19.502	18.439	18.033	17.842	17.767	243.58313	-14.97187	19.494	18.431	18.050	17.854	17.750	24.6	58.289
1371	243.78620	11.70043	19.667	18.665	18.379	18.251	18.207	243.78048	11.69929	19.644	18.644	18.380	18.265	18.234	20.582	258.508
1372	244.09454	0.04650	16.551	14.946	14.332	14.166	14.034	244.09246	0.04485	16.558	14.954	14.338	14.180	14.040	9.554	231.71
1373	244.37113	19.24948	19.684	17.992	17.346	17.101	16.971	244.36695	19.24884	19.676	17.995	17.348	17.112	16.975	14.395	260.783
1374	244.44130	28.22583	17.996	16.713	16.251	16.094	16.035	244.44502	28.23089	17.996	16.708	16.255	16.089	16.035	21.712	32.902
1375	244.80926	-2.97912	17.947	16.207	15.527	15.265	15.119	244.81087	-2.97716	17.973	16.231	15.535	15.278	15.127	9.135	39.503
1376	244.96740	-4.64203	17.286	15.678	15.022	14.773	14.660	244.96348	-4.63575	17.279	15.657	15.027	14.757	14.669	26.613	328.088
1377	244.97583	-13.04268	21.691	20.386	19.625	19.298	19.032	244.96773	-13.04308	21.665	20.411	19.650	19.275	19.028	28.445	267.096
1378	244.98275	-4.84078	20.442	19.273	18.708	18.459	18.303	244.98788	-4.83778	20.454	19.259	18.719	18.457	18.316	21.345	59.677
1379	245.29103	5.36996	20.427	19.056	18.564	18.381	18.320	245.29761	5.37463	20.403	19.085	18.568	18.396	18.304	28.97	54.541
1380	245.30320	-3.43508	19.555	17.825	17.072	16.752	16.572	245.30556	-3.43136	19.542	17.842	17.087	16.774	16.583	15.831	32.351
1381	245.32798	46.25106	18.112	16.977	16.570	16.448	16.411	245.31803	46.25183	18.114	16.958	16.571	16.462	16.417	24.922	276.41
1382	245.45070	14.63451	17.876	16.643	16.179	16.008	15.963	245.44636	14.62796	17.884	16.648	16.183	15.999	15.951	28.034	212.681
1383	245.54827	4.98982	19.658	18.677	18.333	18.165	18.107	245.55145	4.98916	19.647	18.653	18.346	18.177	18.136	11.673	101.752
1384	245.76850	43.47553	16.280	14.633	14.087	13.668	13.892	245.76634	43.48189	16.257	14.627	14.103	13.681	13.917	23.585	346.156
1385	246.13145	62.32435	21.995	19.823	18.459	17.808	17.414	246.14248	62.32670	22.023	19.816	18.475	17.814	17.434	20.28	65.338
1386	246.36632	-5.00270	21.662	20.346	19.798	19.545	19.444	246.37126	-5.00823	21.652	20.346	19.823	19.572	19.448	26.617	138.353
1387	247.48756	0.01837	20.670	18.832	18.099	17.833	17.709	247.49155	0.02155	20.681	18.844	18.115	17.850	17.738	18.355	51.392
1388	247.51260	18.54161	20.494	19.085	18.461	18.228	18.054	247.51221	18.53961	20.487	19.098	18.462	18.205	18.068	7.328	190.333
1389	247.71725	-9.62012	20.208	18.795	18.132	17.852	17.662	247.72118	-9.61366	20.232	18.805	18.133	17.835	17.640	27.123	30.984
1390	247.76806	18.97627	18.806	16.734	15.953	15.697	15.574	247.77072	18.97017	18.810	16.735	15.969	15.714	15.597	23.763	157.566
1391	247.83614	-5.06461	19.615	18.143	17.501	17.233	17.094	247.83173	-5.06682	19.599	18.130	17.505	17.234	17.097	17.685	243.297
1392	248.00096	16.35007	19.433	18.351	17.946	17.772	17.727	248.00757	16.35325	19.435	18.378	17.966	17.772	17.738	25.517	63.336
1393	248.04617	-9.43178	19.797	18.430	17.794	17.499	17.369	248.03851	-9.43416	19.771	18.406	17.801	17.525	17.398	28.506	252.522
1394	248.04856	0.52437	19.736	18.476	17.962	17.789	17.722	248.04900	0.52613	19.717	18.489	17.989	17.810	17.751	6.532	13.938
1395	248.31963	77.20086	19.213	17.517	16.903	16.688	16.596	248.29515	77.20514	19.216	17.534	16.928	16.706	16.613	24.876	308.299
1396	248.37941	-6.07881	17.884	16.277	15.552	15.239	15.026	248.37805	-6.08581	17.888	16.299	15.563	15.265	15.044	25.661	190.912
1397	248.39586	63.53946	20.862	18.103	16.898	16.392	16.119	248.40296	63.54142	20.872	18.083	16.913	16.409	16.114	13.395	58.291
1398	248.52407	29.41623	18.657	17.527	17.154	17.025	16.960	248.52968	29.42192	18.651	17.540	17.169	17.038	16.987	27.004	40.647
1399	248.69237	43.74310	19.185	17.934	17.470	17.317	17.252	248.69981	43.74590	19.165	17.910	17.474	17.330	17.279	21.836	62.443

1400	248.70593	-7.34414	18.890	17.243	16.492	16.152	15.938	248.71094	-7.34530	18.860	17.246	16.497	16.148	15.927	18.368	103.184
1401	248.72126	12.86208	19.406	18.141	17.633	17.463	17.389	248.72377	12.86094	19.434	18.150	17.637	17.461	17.378	9.745	115.011
1402	248.91429	21.01994	18.917	17.686	17.235	17.081	17.031	248.90706	21.02369	18.939	17.690	17.261	17.110	17.061	27.796	299.045
1403	248.91964	-10.74843	20.566	19.247	18.520	18.177	17.934	248.91311	-10.74728	20.558	19.259	18.533	18.194	17.945	23.459	280.208
1404	248.97193	15.08215	20.219	18.071	17.175	16.859	16.659	248.97078	15.08888	20.246	18.098	17.193	16.859	16.643	24.557	350.651
1405	248.98268	16.79452	20.558	19.518	19.131	19.010	18.950	248.98897	16.79095	20.557	19.544	19.138	19.005	18.946	25.201	120.615
1406	249.23124	-10.06853	19.406	17.581	16.661	16.230	15.956	249.22435	-10.06734	19.379	17.598	16.681	16.244	15.968	24.794	279.919
1407	249.29985	8.96292	17.476	16.080	15.567	15.397	15.315	249.29830	8.96293	17.467	16.088	15.580	15.415	15.329	5.5	270.086
1408	249.31336	-6.40909	20.307	18.745	18.031	17.702	17.492	249.30922	-6.40825	20.298	18.767	18.047	17.723	17.517	15.115	281.58
1409	249.39196	0.96775	15.968	14.660	14.235	14.101	14.079	249.39128	0.96901	15.974	14.683	14.261	14.125	14.108	5.163	331.548
1410	249.48811	-0.69780	19.015	17.685	17.157	16.949	16.830	249.49539	-0.69602	19.028	17.691	17.158	16.950	16.859	26.969	76.296
1411	249.53465	11.91695	18.478	17.209	16.745	16.581	16.527	249.52720	11.91903	18.481	17.230	16.749	16.597	16.539	27.276	285.896
1412	249.61454	-5.20943	20.220	18.645	17.818	17.459	17.210	249.60933	-5.21535	20.217	18.636	17.822	17.457	17.230	28.325	221.192
1413	249.71745	-5.59502	21.446	19.805	18.887	18.456	18.210	249.71995	-5.59738	21.450	19.781	18.894	18.474	18.181	12.328	133.429
1414	249.79044	-10.68353	21.163	19.296	18.378	17.959	17.696	249.78223	-10.68444	21.150	19.318	18.380	17.959	17.685	29.237	263.553
1415	249.83282	-6.78091	20.319	18.851	18.231	17.918	17.729	249.83021	-6.78273	20.332	18.824	18.231	17.915	17.740	11.388	235.047
1416	249.95707	-6.63346	21.065	19.350	18.502	18.103	17.877	249.95244	-6.63679	21.092	19.361	18.516	18.114	17.870	20.436	234.065
1417	250.31833	36.59624	19.851	18.938	18.685	18.571	18.556	250.31683	36.60053	19.824	18.933	18.698	18.578	18.575	16.023	344.315
1418	250.49467	36.32674	20.819	19.827	19.501	19.319	19.345	250.49691	36.32141	20.839	19.850	19.511	19.348	19.363	20.26	161.262
1419	250.77189	-7.82868	20.519	19.043	18.319	17.978	17.799	250.77363	-7.82974	20.542	19.070	18.320	17.957	17.797	7.285	121.74
1420	250.81351	0.60952	19.207	17.957	17.433	17.240	17.151	250.81553	0.60217	19.183	17.959	17.434	17.246	17.169	27.429	164.667
1421	250.92707	4.94365	18.920	17.628	17.122	16.921	16.831	250.92209	4.94725	18.919	17.631	17.133	16.937	16.823	22.086	306.009
1422	250.97230	-8.53606	19.287	17.357	16.387	15.979	15.703	250.97821	-8.54158	19.314	17.357	16.393	15.981	15.715	28.959	133.382
1423	251.05364	-7.09220	20.553	18.922	18.084	17.735	17.513	251.05480	-7.09625	20.536	18.925	18.095	17.712	17.490	15.167	164.184
1424	251.15350	5.30482	18.875	17.480	16.972	16.785	16.706	251.15398	5.29737	18.858	17.498	16.984	16.794	16.705	26.891	176.332
1425	251.17527	-7.03891	19.989	18.566	17.811	17.478	17.303	251.17714	-7.04342	19.959	18.549	17.819	17.487	17.310	17.576	157.681
1426	251.42910	-6.86805	21.181	19.813	19.044	18.720	18.495	251.43437	-6.86549	21.197	19.788	19.066	18.698	18.509	20.987	63.945
1427	251.44618	17.47582	19.701	18.047	17.409	17.171	17.045	251.44288	17.48005	19.687	18.068	17.432	17.196	17.062	18.978	323.415
1428	251.61328	-6.80674	20.330	18.859	18.150	17.830	17.658	251.60517	-6.80554	20.323	18.871	18.160	17.844	17.646	29.31	278.486
1429	251.98774	16.97768	20.537	18.443	17.564	17.223	17.031	251.98871	16.97130	20.556	18.440	17.579	17.241	17.028	23.215	171.763
1430	252.27023	12.41487	21.489	20.241	19.704	19.495	19.522	252.27442	12.41001	21.466	20.268	19.714	19.511	19.507	22.893	139.937
1431	252.34801	-7.54141	20.829	19.431	18.717	18.446	18.235	252.34712	-7.54739	20.843	19.435	18.735	18.435	18.244	21.783	188.304
1432	252.34996	-8.26718	21.347	19.505	18.506	18.037	17.700	252.35461	-8.27174	21.350	19.529	18.512	18.032	17.692	23.335	134.817
1433	252.73128	-0.68553	19.636	18.143	17.481	17.229	17.103	252.73071	-0.68448	19.615	18.163	17.494	17.237	17.096	4.286	331.471
1434	252.98684	36.29868	16.941	15.614	15.140	14.983	14.942	252.98858	36.29976	16.942	15.622	15.147	14.989	14.949	6.374	52.231
1435	252.99623	17.40984	18.637	17.399	16.949	16.820	16.751	253.00219	17.41039	18.623	17.415	16.974	16.825	16.750	20.566	84.524
1436	253.06298	5.34186	19.715	18.611	18.188	17.974	17.883	253.06633	5.34421	19.699	18.639	18.191	17.980	17.896	14.691	54.816
1437	253.10671	-9.93232	21.326	19.470	18.235	17.635	17.203	253.11261	-9.93400	21.353	19.445	18.253	17.654	17.218	21.782	106.103

1438	253.13747	12.35403	18.247	16.992	16.576	16.438	16.392	253.14538	12.35637	18.246	17.014	16.588	16.437	16.386	29.055	73.108
1439	253.29362	1.07870	18.893	17.742	17.299	17.161	17.113	253.29170	1.07176	18.909	17.764	17.327	17.189	17.099	25.926	195.46
1440	253.53806	-10.11069	20.371	18.414	17.363	16.868	16.510	253.54221	-10.11444	20.380	18.442	17.383	16.880	16.515	19.927	132.523
1441	253.57259	-8.54948	20.274	18.732	17.949	17.575	17.335	253.57690	-8.55610	20.266	18.756	17.967	17.594	17.356	28.369	147.258
1442	254.00910	-8.36592	21.135	19.552	18.793	18.421	18.261	254.01401	-8.36146	21.125	19.543	18.800	18.445	18.266	23.752	47.457
1443	254.24598	13.70325	18.680	17.421	16.966	16.812	16.751	254.24053	13.70520	18.659	17.438	16.994	16.840	16.772	20.307	290.313
1444	254.29126	11.25140	21.675	20.160	19.534	19.261	19.137	254.28920	11.25752	21.691	20.186	19.560	19.289	19.149	23.205	341.663
1445	254.32215	35.08508	18.448	17.152	16.720	16.574	16.518	254.31752	35.08221	18.456	17.179	16.750	16.586	16.548	17.142	232.865
1446	254.39793	27.94188	17.105	15.842	15.418	15.256	15.224	254.39723	27.94106	17.120	15.856	15.438	15.275	15.206	3.704	217.185
1447	254.41085	21.46766	19.138	17.663	17.081	16.858	16.771	254.41344	21.47022	19.154	17.671	17.081	16.869	16.753	12.657	43.26
1448	254.68744	20.01421	19.403	17.977	17.410	17.210	17.102	254.69283	20.01668	19.378	17.981	17.430	17.228	17.087	20.289	64.013
1449	254.82560	12.71798	19.940	17.932	17.144	16.897	16.758	254.82706	12.71764	19.946	17.954	17.168	16.926	16.769	5.282	103.411
1450	254.89023	24.09350	17.935	16.535	16.031	15.870	15.806	254.89206	24.09327	17.911	16.532	16.040	15.874	15.818	6.081	97.908
1451	254.96696	-2.95484	19.291	17.725	16.963	16.633	16.450	254.96382	-2.96013	19.316	17.753	16.976	16.651	16.470	22.142	210.601
1452	255.04952	15.66279	18.927	17.622	17.110	16.922	16.824	255.04931	15.65583	18.945	17.646	17.123	16.911	16.825	25.074	181.72
1453	255.17730	-3.53565	20.288	18.704	17.941	17.530	17.389	255.17611	-3.52956	20.264	18.691	17.943	17.526	17.376	22.364	348.98
1454	255.25158	17.86053	20.439	19.273	18.812	18.654	18.586	255.24346	17.85809	20.425	19.273	18.824	18.654	18.603	29.184	252.447
1455	255.30699	40.10969	19.328	18.164	17.792	17.653	17.620	255.31003	40.10620	19.312	18.181	17.813	17.673	17.636	15.101	146.282
1456	255.35856	-4.92444	21.577	19.970	19.061	18.679	18.399	255.35968	-4.92143	21.581	19.982	19.077	18.666	18.406	11.582	20.302
1457	255.55018	-2.44269	20.103	18.321	17.381	16.969	16.750	255.55245	-2.44392	20.096	18.339	17.406	16.999	16.760	9.286	118.411
1458	255.60271	-10.22257	20.591	18.755	17.863	17.460	17.243	255.60713	-10.22151	20.602	18.752	17.884	17.469	17.241	16.095	76.302
1459	255.72995	-10.06104	18.593	16.708	15.840	15.477	15.257	255.73380	-10.06046	18.585	16.704	15.856	15.495	15.268	13.803	81.414
1460	255.74887	-12.17334	21.124	19.286	18.355	17.933	17.646	255.75274	-12.17746	21.130	19.258	18.355	17.960	17.647	20.146	137.468
1461	255.81182	38.12950	15.767	14.692	14.289	14.167	14.158	255.80883	38.13188	15.759	14.687	14.289	14.168	14.159	12.022	315.33
1462	255.85919	-11.85644	18.737	17.158	16.320	15.918	15.672	255.86079	-11.84927	18.756	17.158	16.330	15.942	15.692	26.439	12.339
1463	255.85962	11.07682	20.655	19.646	19.300	19.158	19.083	255.86608	11.08038	20.685	19.673	19.327	19.176	19.060	26.185	60.676
1464	255.87408	-10.09909	20.180	17.896	16.881	16.466	16.201	255.86943	-10.09665	20.196	17.918	16.889	16.450	16.182	18.679	298.011
1465	255.97264	14.96184	21.451	20.191	19.676	19.503	19.402	255.97654	14.95672	21.422	20.182	19.687	19.490	19.414	22.881	143.688
1466	256.07366	-9.93072	21.281	19.642	18.797	18.358	18.031	256.07667	-9.92540	21.260	19.655	18.823	18.365	18.043	21.916	29.115
1467	256.22166	-9.75567	21.804	20.204	19.369	18.989	18.758	256.21732	-9.75930	21.823	20.212	19.371	18.984	18.752	20.219	229.695
1468	256.25440	38.89485	21.613	18.669	17.322	16.780	16.455	256.25354	38.89408	21.601	18.667	17.337	16.788	16.482	3.653	220.787
1469	256.33073	-10.09620	20.863	19.008	17.983	17.488	17.116	256.32657	-10.09092	20.873	19.015	17.988	17.495	17.110	24.071	322.229
1470	256.41002	-10.84442	20.632	18.814	17.827	17.381	17.111	256.40485	-10.84995	20.652	18.841	17.838	17.399	17.086	27.046	222.539
1471	256.41280	76.63192	19.657	18.479	18.079	17.913	17.845	256.38588	76.62824	19.639	18.497	18.084	17.927	17.873	26.036	239.385
1472	256.65234	-11.85748	20.961	18.945	17.903	17.432	17.118	256.64816	-11.85443	20.986	18.921	17.914	17.431	17.125	18.362	306.709
1473	256.65831	-9.84212	21.997	20.152	19.226	18.748	18.483	256.65451	-9.83683	21.988	20.141	19.231	18.765	18.500	23.336	324.733
1474	256.69123	10.09217	20.099	18.807	18.289	18.108	18.018	256.69558	10.09535	20.086	18.826	18.298	18.088	18.020	19.205	53.398
1475	256.69497	-11.68282	21.728	20.034	19.078	18.671	18.354	256.69118	-11.68737	21.735	20.055	19.096	18.651	18.355	21.137	219.244

1476	256.79030	-12.59606	21.434	19.018	17.784	17.244	16.871	256.79277	-12.59391	21.436	19.004	17.786	17.236	16.860	11.607	48.298
1477	256.79909	14.94438	20.162	18.392	17.640	17.328	17.117	256.79513	14.94661	20.146	18.394	17.644	17.313	17.105	15.972	300.258
1478	256.80226	-10.85573	21.608	19.842	18.866	18.383	18.059	256.80935	-10.85887	21.625	19.817	18.868	18.383	18.066	27.49	114.261
1479	256.82191	17.26033	18.780	17.528	17.029	16.834	16.757	256.82765	17.26461	18.752	17.510	17.039	16.859	16.787	25.023	52
1480	256.84831	14.74671	18.449	17.109	16.582	16.388	16.278	256.84747	14.75062	18.474	17.113	16.583	16.397	16.273	14.385	348.265
1481	256.91038	61.07637	20.867	18.381	17.351	16.941	16.697	256.91308	61.07700	20.883	18.395	17.360	16.945	16.694	5.222	64.084
1482	257.04107	-10.74881	21.816	20.038	19.135	18.618	18.316	257.04619	-10.74696	21.798	20.027	19.135	18.621	18.311	19.265	69.815
1483	257.05942	31.69619	21.229	20.264	19.876	19.761	19.696	257.06501	31.69949	21.237	20.270	19.891	19.784	19.703	20.848	55.253
1484	257.09493	10.25913	19.963	18.740	18.234	18.025	17.937	257.09570	10.26153	19.956	18.749	18.246	18.011	17.955	9.051	17.526
1485	257.11466	-1.15959	19.436	17.754	16.875	16.455	16.234	257.11766	-1.15951	19.427	17.771	16.880	16.460	16.224	10.796	88.385
1486	257.13991	-12.40736	21.998	20.021	18.830	18.256	17.816	257.13756	-12.41124	22.027	20.035	18.839	18.244	17.791	16.239	210.625
1487	257.18093	-13.05388	21.230	19.666	18.676	18.188	17.887	257.17446	-13.05847	21.201	19.659	18.686	18.212	17.907	28.028	233.942
1488	257.21563	11.61663	19.141	17.898	17.386	17.143	17.235	257.21028	11.61952	19.156	17.913	17.387	17.145	17.207	21.518	298.892
1489	257.21719	21.23195	19.786	17.780	17.045	16.782	16.631	257.22105	21.23519	19.772	17.794	17.046	16.776	16.608	17.445	48.013
1490	257.28834	-2.69267	21.168	19.317	18.415	18.138	17.877	257.28926	-2.69972	21.143	19.337	18.445	18.115	17.862	25.599	172.502
1491	257.46561	15.24946	21.035	19.160	18.395	18.067	17.882	257.46691	15.24773	21.038	19.163	18.398	18.060	17.858	7.7	143.823
1492	257.66640	-12.59146	21.972	20.181	19.338	18.918	18.668	257.65834	-12.59023	21.974	20.180	19.344	18.919	18.684	28.654	278.864
1493	257.67797	-12.42894	19.874	17.014	15.662	15.020	14.578	257.68153	-12.42373	19.851	17.036	15.671	15.019	14.549	22.576	33.723
1494	258.11567	22.90212	19.670	18.334	17.863	17.670	17.589	258.12242	22.89950	19.644	18.347	17.877	17.691	17.592	24.296	112.858
1495	258.13149	-1.70278	19.854	17.879	16.898	16.446	16.152	258.13051	-1.69498	19.875	17.890	16.913	16.464	16.168	28.311	352.814
1496	258.23760	-12.73084	19.855	17.989	16.934	16.443	16.137	258.23345	-12.73621	19.827	17.984	16.941	16.452	16.147	24.214	217.006
1497	258.54298	12.62018	20.418	19.291	18.788	18.570	18.493	258.54561	12.62222	20.410	19.307	18.797	18.573	18.465	11.804	51.468
1498	258.61542	-11.56118	19.993	17.528	16.091	15.390	14.893	258.62279	-11.56210	19.966	17.542	16.117	15.418	14.919	26.186	97.239
1499	258.62171	35.02613	17.897	16.687	16.277	16.151	16.110	258.61493	35.02363	17.891	16.716	16.295	16.166	16.106	21.912	245.766
1500	258.62786	23.70331	19.223	17.965	17.466	17.304	17.235	258.62519	23.70230	19.230	17.944	17.476	17.298	17.218	9.536	247.533
1501	258.70034	-0.15613	21.440	19.990	19.319	18.953	18.865	258.69986	-0.16226	21.466	19.982	19.333	18.981	18.879	22.131	184.476
1502	258.77419	-12.29002	20.081	18.420	17.543	17.144	16.917	258.77334	-12.29172	20.072	18.449	17.550	17.162	16.933	6.828	206.027
1503	258.80509	35.83618	18.655	17.467	17.054	16.915	16.863	258.79531	35.83684	18.672	17.480	17.070	16.926	16.857	28.659	274.795
1504	258.87435	-12.12274	17.450	15.865	15.052	14.689	14.458	258.87406	-12.11636	17.479	15.865	15.052	14.702	14.486	23.003	357.474
1505	258.93131	-12.15443	18.944	17.256	16.352	15.950	15.691	258.93587	-12.15219	18.915	17.243	16.364	15.974	15.711	17.991	63.248
1506	259.04417	-14.09252	20.850	19.087	18.229	17.838	17.588	259.03742	-14.08759	20.868	19.116	18.255	17.862	17.598	29.521	306.973
1507	259.19310	-12.00789	20.261	17.585	16.330	15.754	15.371	259.19145	-12.00549	20.264	17.594	16.334	15.756	15.396	10.404	326.107
1508	259.21138	-13.16616	21.601	20.314	19.398	18.945	18.736	259.20645	-13.17140	21.617	20.302	19.418	18.951	18.735	25.577	222.484
1509	259.22025	-12.92686	20.802	19.035	18.062	17.596	17.281	259.21672	-12.93233	20.786	19.034	18.066	17.594	17.289	23.26	212.151
1510	259.30183	32.17443	18.019	16.762	16.331	16.183	16.145	259.29539	32.17641	17.998	16.766	16.356	16.211	16.159	20.865	289.909
1511	259.37291	9.29832	20.062	18.718	18.162	17.926	17.843	259.36844	9.29383	20.079	18.736	18.166	17.930	17.849	22.666	224.502
1512	259.43559	-13.49199	20.790	19.096	18.383	17.823	17.541	259.43485	-13.48934	20.771	19.122	18.389	17.813	17.517	9.907	344.892
1513	259.44155	8.54061	19.768	18.339	17.779	17.535	17.452	259.44419	8.54167	19.760	18.315	17.780	17.540	17.452	10.137	68.007

1514	259.49471	9.35321	18.148	16.936	16.463	16.317	16.225	259.50172	9.35477	18.159	16.939	16.464	16.322	16.234	25.525	77.294
1515	259.50505	35.17820	19.122	17.852	17.460	17.293	17.251	259.50398	35.17900	19.129	17.874	17.481	17.318	17.267	4.276	312.369
1516	259.54881	10.51489	20.490	18.767	18.037	17.709	17.558	259.54113	10.51423	20.518	18.766	18.048	17.727	17.555	27.28	265.006
1517	259.57787	39.28885	21.011	19.986	19.614	19.508	19.552	259.58050	39.29305	20.981	19.990	19.638	19.521	19.538	16.79	25.897
1518	259.62637	-13.73706	19.682	17.606	16.628	16.225	15.955	259.61984	-13.73743	19.657	17.633	16.655	16.249	15.979	22.897	266.609
1519	259.71515	43.40807	18.608	17.397	16.982	16.854	16.784	259.70953	43.40842	18.596	17.413	16.993	16.845	16.785	14.761	274.894
1520	259.74644	-13.87857	20.998	19.416	18.533	18.197	17.925	259.75331	-13.87797	20.997	19.395	18.552	18.221	17.911	24.112	84.917
1521	259.79295	42.70529	18.782	17.486	17.037	16.895	16.847	259.80330	42.70389	18.770	17.484	17.042	16.905	16.862	27.843	100.438
1522	259.88939	-12.25738	21.289	19.341	18.495	18.092	17.852	259.89230	-12.26402	21.296	19.353	18.504	18.115	17.858	26.017	156.841
1523	259.95091	-14.21096	20.201	17.991	17.029	16.659	16.383	259.95051	-14.21483	20.214	17.998	17.035	16.645	16.369	14.018	185.731
1524	259.97218	-14.65517	18.886	17.095	16.264	15.900	15.738	259.97951	-14.65649	18.889	17.108	16.276	15.908	15.748	25.959	100.599
1525	259.97325	-13.74547	20.460	18.780	17.900	17.530	17.262	259.97690	-13.74746	20.450	18.783	17.907	17.531	17.250	14.64	119.282
1526	260.10063	1.27926	19.706	18.087	17.344	17.085	16.890	260.10152	1.27666	19.706	18.098	17.347	17.071	16.865	9.896	161.072
1527	260.22281	52.35625	20.960	18.708	17.628	17.259	17.046	260.21982	52.35303	20.968	18.706	17.629	17.256	17.024	13.328	209.579
1528	260.23786	7.94011	18.894	17.522	16.967	16.732	16.635	260.24468	7.94394	18.881	17.530	16.972	16.755	16.655	27.964	60.511
1529	260.28261	35.90827	16.749	15.394	14.979	14.844	14.803	260.28351	35.90927	16.729	15.396	14.982	14.848	14.809	4.446	36.462
1530	260.30340	1.86072	20.160	18.488	17.819	17.428	17.217	260.30570	1.85993	20.175	18.518	17.820	17.429	17.230	8.753	109.069
1531	260.33926	-12.36081	19.888	18.157	17.291	16.895	16.694	260.33366	-12.36338	19.879	18.177	17.306	16.923	16.716	21.748	244.783
1532	260.36742	-12.93975	21.619	19.629	18.809	18.261	17.892	260.36645	-12.93993	21.625	19.600	18.822	18.287	17.909	3.457	258.893
1533	260.54180	27.33207	19.868	17.908	17.175	16.934	16.809	260.53686	27.33092	19.839	17.892	17.181	16.933	16.790	16.324	255.329
1534	260.60881	-12.46290	20.068	18.196	17.296	16.949	16.738	260.61522	-12.46166	20.053	18.171	17.298	16.944	16.711	22.967	78.859
1535	260.63690	-12.71388	19.636	17.435	16.317	15.765	15.359	260.63277	-12.70972	19.609	17.431	16.329	15.766	15.386	20.837	315.874
1536	260.84666	37.91729	19.096	17.630	17.072	16.892	16.815	260.85342	37.91219	19.114	17.654	17.075	16.871	16.790	26.591	133.739
1537	260.87083	-15.08829	21.175	19.346	18.262	17.774	17.497	260.86888	-15.09421	21.153	19.326	18.270	17.800	17.511	22.354	197.596
1538	260.87202	-14.08701	20.237	18.278	17.318	16.899	16.663	260.87549	-14.08763	20.235	18.289	17.325	16.904	16.646	12.308	100.36
1539	260.87613	9.79014	20.485	19.098	18.578	18.371	18.257	260.87109	9.79611	20.506	19.117	18.589	18.350	18.259	27.968	320.243
1540	261.02328	-12.92449	21.408	19.794	18.954	18.578	18.392	261.02909	-12.92824	21.398	19.817	18.981	18.580	18.376	24.447	123.5
1541	261.06340	-0.07941	19.903	18.164	17.360	16.988	16.808	261.05780	-0.07719	19.927	18.169	17.369	16.958	16.827	21.707	291.559
1542	261.06542	1.63286	21.020	19.211	18.108	17.806	17.651	261.06578	1.62522	21.020	19.201	18.118	17.816	17.641	27.539	177.294
1543	261.12978	23.57198	19.898	18.576	18.146	17.994	17.925	261.13180	23.56400	19.904	18.594	18.157	17.984	17.939	29.471	166.957
1544	261.15542	8.99679	18.347	17.025	16.495	16.269	16.177	261.15763	8.99795	18.357	17.037	16.500	16.279	16.178	8.876	62.13
1545	261.17160	2.76562	19.020	17.683	17.096	16.840	16.755	261.17364	2.76673	19.036	17.694	17.107	16.852	16.760	8.362	61.463
1546	261.20493	30.58840	16.903	15.628	15.198	15.047	15.014	261.20213	30.58066	16.919	15.615	15.198	15.072	15.042	29.156	197.273
1547	261.21975	-13.49937	21.131	19.467	18.507	18.075	17.812	261.22497	-13.49939	21.118	19.492	18.509	18.083	17.784	18.273	90.229
1548	261.27396	24.63996	21.471	18.998	17.684	17.083	16.753	261.27721	24.63578	21.474	19.024	17.700	17.073	16.728	18.43	144.67
1549	261.28052	27.19684	19.265	17.953	17.528	17.379	17.325	261.28430	27.19397	19.243	17.980	17.547	17.403	17.347	15.899	130.524
1550	261.36860	31.12391	17.865	16.607	16.180	16.027	15.974	261.37323	31.12137	17.879	16.611	16.181	16.047	15.996	16.936	122.604
1551	261.37192	2.47297	19.199	17.687	17.063	16.846	16.723	261.36550	2.47731	19.223	17.688	17.082	16.867	16.739	27.889	304.045

1552	261.61332	0.42031	20.000	18.318	17.482	17.110	16.897	261.61423	0.41803	19.998	18.319	17.497	17.087	16.890	8.852	158.263
1553	261.61745	7.78743	19.319	17.670	17.089	16.850	16.729	261.62215	7.78384	19.328	17.692	17.107	16.847	16.722	21.18	127.589
1554	261.80790	2.88451	19.610	18.187	17.540	17.260	17.161	261.80567	2.88056	19.620	18.177	17.545	17.283	17.155	16.346	209.361
1555	262.02597	2.47057	19.478	18.060	17.449	17.241	17.131	262.01992	2.47112	19.463	18.059	17.449	17.241	17.135	21.857	275.193
1556	262.04147	2.58260	20.294	18.622	17.960	17.687	17.596	262.04190	2.58583	20.324	18.646	17.975	17.707	17.566	11.727	7.618
1557	262.19166	3.66354	20.262	18.907	18.362	18.164	18.093	262.19353	3.66773	20.290	18.919	18.383	18.152	18.071	16.503	24.057
1558	262.30552	2.24130	19.523	18.276	17.700	17.504	17.396	262.30417	2.24222	19.552	18.252	17.702	17.525	17.420	5.896	304.392
1559	262.30916	26.41058	18.100	16.851	16.401	16.249	16.196	262.31500	26.41061	18.124	16.868	16.408	16.250	16.208	18.822	89.673
1560	262.41830	63.19443	21.116	20.021	19.664	19.591	19.495	262.40530	63.19954	21.110	20.024	19.665	19.568	19.504	27.999	311.055
1561	262.68339	1.31289	20.835	19.415	18.728	18.339	18.503	262.68244	1.31638	20.809	19.404	18.734	18.354	18.497	13.02	344.838
1562	262.72017	0.23906	18.872	17.424	16.756	16.468	16.300	262.72444	0.23913	18.879	17.438	16.759	16.465	16.307	15.364	89.169
1563	262.73242	8.73804	19.575	17.801	17.094	16.791	16.615	262.74034	8.73618	19.581	17.801	17.101	16.813	16.621	28.976	103.387
1564	262.95134	6.95135	19.699	18.293	17.734	17.534	17.397	262.94986	6.95672	19.670	18.302	17.759	17.564	17.389	20.038	344.672
1565	262.97960	26.13057	18.685	17.424	16.961	16.808	16.762	262.98803	26.13305	18.702	17.436	16.963	16.814	16.771	28.648	71.866
1566	263.38829	0.59099	20.679	19.024	18.232	17.917	17.722	263.38489	0.58889	20.657	18.995	18.251	17.939	17.751	14.415	238.293
1567	263.42835	4.21284	19.468	18.058	17.431	17.144	17.049	263.42690	4.21602	19.464	18.047	17.442	17.142	17.035	12.539	335.562
1568	263.48802	6.73131	19.853	18.464	17.914	17.694	17.584	263.48716	6.72802	19.859	18.486	17.932	17.672	17.584	12.244	194.606
1569	263.49142	6.54386	19.616	18.497	18.070	17.904	17.842	263.48759	6.54494	19.587	18.493	18.088	17.933	17.851	14.218	285.905
1570	263.65046	26.52784	19.714	18.583	18.172	18.024	17.974	263.65285	26.52875	19.720	18.598	18.177	18.029	17.984	8.39	67.031
1571	263.79682	29.10510	17.846	16.462	16.034	15.874	15.815	263.79034	29.10424	17.858	16.484	16.040	15.877	15.809	20.614	261.358
1572	263.79962	4.22899	19.341	17.463	16.674	16.373	16.202	263.79960	4.22314	19.330	17.486	16.697	16.391	16.214	21.077	180.22
1573	264.01109	6.57296	18.929	17.524	17.007	16.786	16.668	264.00934	6.56820	18.913	17.540	17.033	16.801	16.656	18.265	200.06
1574	264.20226	43.13245	21.294	19.849	19.312	19.123	19.004	264.19885	43.12887	21.304	19.870	19.342	19.140	19.011	15.687	214.84
1575	264.21755	-0.54248	20.087	18.531	17.879	17.620	17.481	264.21334	-0.54657	20.105	18.548	17.890	17.613	17.453	21.118	225.861
1576	264.29701	6.59036	19.720	18.495	18.002	17.825	17.762	264.29658	6.59528	19.725	18.501	18.014	17.834	17.758	17.775	355.017
1577	264.30381	-0.13778	20.772	19.175	18.466	18.170	17.993	264.30392	-0.13082	20.789	19.184	18.485	18.158	17.993	25.075	0.86
1578	264.36959	24.14631	19.647	18.042	17.385	17.177	17.061	264.37101	24.14624	19.644	18.067	17.415	17.188	17.079	4.698	93.036
1579	264.37773	19.34108	20.285	19.316	19.018	18.852	18.890	264.37680	19.33338	20.269	19.305	19.019	18.868	18.865	27.897	186.515
1580	264.45388	0.28066	20.540	18.814	18.019	17.663	17.492	264.44801	0.28340	20.562	18.830	18.026	17.636	17.493	23.345	295.062
1581	264.53970	28.43828	19.035	17.537	17.074	16.897	16.813	264.54086	28.43886	19.033	17.555	17.077	16.898	16.838	4.209	60.234
1582	264.70687	62.15044	17.950	16.448	15.924	15.752	15.675	264.69725	62.15412	17.926	16.449	15.924	15.746	15.669	20.932	309.362
1583	264.90778	50.51812	19.224	18.069	17.617	17.454	17.387	264.90285	50.51828	19.235	18.096	17.634	17.462	17.396	11.313	272.951
1584	264.98199	6.19992	19.031	17.529	16.940	16.734	16.629	264.97670	6.20634	19.049	17.516	16.957	16.761	16.641	29.849	320.713
1585	265.03505	-0.69004	21.232	19.495	18.750	18.465	18.320	265.03242	-0.68874	21.203	19.482	18.753	18.476	18.336	10.558	296.347
1586	265.04135	28.71468	16.496	15.240	14.822	14.666	14.602	265.04442	28.71932	16.510	15.251	14.842	14.687	14.596	19.313	30.179
1587	265.20161	6.11062	18.747	17.088	16.467	16.222	16.099	265.19946	6.10825	18.728	17.117	16.486	16.223	16.100	11.495	222.104
1588	265.29053	4.94231	20.054	18.799	18.102	17.864	17.754	265.28587	4.94586	20.050	18.799	18.127	17.892	17.754	21.029	307.426
1589	265.37427	5.78509	20.176	18.373	17.603	17.323	17.181	265.36744	5.78618	20.201	18.361	17.611	17.328	17.160	24.784	279.094

1590	265.47121	3.97518	20.497	18.975	18.307	17.935	17.783	265.47043	3.97980	20.501	18.946	18.316	17.946	17.786	16.844	350.519
1591	265.51007	4.44798	20.096	18.530	17.782	17.546	17.413	265.51012	4.44514	20.104	18.544	17.801	17.572	17.432	10.236	178.907
1592	265.52295	6.88869	20.205	18.841	18.251	18.048	17.947	265.52926	6.88474	20.201	18.860	18.264	18.067	17.954	26.65	122.233
1593	265.55529	20.18963	18.347	16.901	16.350	16.150	16.052	265.55839	20.19514	18.336	16.908	16.350	16.148	16.055	22.422	27.831
1594	265.67529	25.36037	19.715	18.723	18.329	18.183	18.118	265.67660	25.35805	19.690	18.702	18.333	18.190	18.113	9.379	152.921
1595	265.73058	23.55909	19.555	18.003	17.442	17.216	17.115	265.72256	23.55861	19.547	17.988	17.451	17.238	17.134	26.546	266.271
1596	265.79228	4.10666	20.897	19.135	18.244	17.905	17.647	265.79436	4.10502	20.869	19.106	18.252	17.899	17.663	9.534	128.223
1597	265.86173	6.68460	20.000	18.678	18.061	17.846	17.680	265.85896	6.68000	20.018	18.659	18.072	17.835	17.657	19.276	210.896
1598	265.90017	7.01482	19.590	17.951	17.257	17.009	16.848	265.90349	7.01142	19.587	17.961	17.264	17.001	16.840	17.054	135.929
1599	265.98738	7.05626	20.731	19.245	18.566	18.313	18.127	265.99197	7.05179	20.743	19.250	18.569	18.323	18.139	22.973	134.521
1600	266.22901	7.52802	21.494	20.031	19.360	19.056	18.894	266.23406	7.52826	21.507	20.038	19.364	19.033	18.884	18.038	87.224
1601	266.22934	16.08711	20.256	18.844	18.278	18.032	17.966	266.22264	16.09071	20.248	18.853	18.284	18.049	17.981	26.545	299.218
1602	266.24565	4.57917	21.504	20.188	19.334	18.994	18.782	266.24200	4.57239	21.477	20.162	19.350	18.979	18.791	27.699	208.191
1603	266.35218	7.71650	17.984	16.605	16.066	15.888	15.759	266.35308	7.70903	17.975	16.607	16.072	15.901	15.781	27.07	173.205
1604	266.35761	26.59029	21.718	19.600	18.663	18.350	18.209	266.35709	26.59473	21.702	19.613	18.684	18.364	18.207	16.073	354
1605	266.35999	24.40098	20.409	19.066	18.619	18.465	18.375	266.36011	24.39631	20.401	19.054	18.621	18.455	18.371	16.817	178.712
1606	266.38028	7.65422	19.770	18.331	17.745	17.540	17.398	266.37391	7.65861	19.786	18.321	17.749	17.541	17.421	27.678	304.812
1607	266.42061	18.25055	19.811	18.524	18.042	17.860	17.784	266.41449	18.25170	19.801	18.506	18.048	17.857	17.757	21.332	281.241
1608	266.45820	6.07230	20.573	19.041	18.350	18.027	17.948	266.45097	6.07008	20.565	19.051	18.350	18.048	17.963	27.117	252.833
1609	266.47802	6.86899	20.047	18.373	17.732	17.474	17.351	266.48468	6.87331	20.068	18.403	17.741	17.491	17.373	28.449	56.854
1610	266.57867	47.82981	21.892	19.357	17.993	17.401	17.058	266.58209	47.83304	21.879	19.335	17.999	17.414	17.042	14.271	35.469
1611	266.62660	6.28298	19.786	18.342	17.734	17.480	17.387	266.61928	6.28315	19.772	18.348	17.740	17.495	17.414	26.214	271.293
1612	266.63333	6.65493	20.921	19.434	18.771	18.526	18.424	266.63155	6.65759	20.950	19.421	18.785	18.555	18.404	11.508	326.293
1613	266.66226	4.69667	20.587	19.041	18.229	17.863	17.638	266.65414	4.69624	20.596	19.042	18.245	17.870	17.656	29.204	266.947
1614	266.78253	7.14938	20.349	18.320	17.479	17.067	16.807	266.78014	7.14700	20.352	18.307	17.489	17.084	16.835	12.101	224.898
1615	266.93336	5.78617	18.459	16.979	16.404	16.147	16.153	266.93284	5.78988	18.439	17.002	16.409	16.170	16.159	13.465	352.034
1616	267.16647	44.54914	21.466	20.050	19.485	19.278	19.247	267.15565	44.54635	21.441	20.064	19.499	19.288	19.244	29.524	250.173
1617	267.20646	18.08501	20.376	18.877	18.302	18.084	18.022	267.20804	18.09054	20.347	18.895	18.304	18.087	18.012	20.631	15.166
1618	267.58322	4.84982	21.171	19.812	19.143	18.843	18.715	267.58039	4.85140	21.149	19.803	19.158	18.871	18.719	11.63	299.309
1619	267.63626	6.26093	20.844	19.449	18.919	18.691	18.624	267.63298	6.26664	20.820	19.476	18.945	18.666	18.617	23.683	330.322
1620	267.64064	4.84516	20.322	18.611	17.817	17.471	17.292	267.63551	4.83962	20.344	18.623	17.832	17.483	17.321	27.136	222.727
1621	267.75455	4.19891	17.064	15.657	15.113	14.904	14.814	267.75661	4.20352	17.071	15.678	15.129	14.914	14.816	18.154	24.045
1622	267.86785	16.42153	19.507	18.222	17.729	17.526	17.448	267.86680	16.42142	19.529	18.227	17.730	17.530	17.462	3.644	263.756
1623	267.94892	7.78377	20.409	19.124	18.627	18.412	18.343	267.95274	7.78638	20.439	19.135	18.631	18.421	18.342	16.546	55.349
1624	267.99988	48.54704	17.050	15.796	15.368	15.218	15.174	268.00567	48.54253	17.075	15.814	15.376	15.211	15.156	21.31	139.634
1625	268.09756	17.29180	18.043	16.809	16.355	16.173	16.118	268.09225	17.29679	18.028	16.825	16.362	16.162	16.115	25.596	314.551
1626	268.24910	8.72902	20.119	18.776	18.187	17.971	17.869	268.24530	8.73299	20.125	18.781	18.201	17.990	17.882	19.676	316.61
1627	268.27587	8.12381	20.280	18.498	17.785	17.526	17.378	268.27706	8.12818	20.292	18.496	17.795	17.507	17.376	16.287	15.052

1628	268.28183	7.59152	20.319	18.932	18.438	18.175	18.097	268.28523	7.59756	20.346	18.952	18.461	18.194	18.085	24.891	29.195
1629	268.30778	6.99142	20.277	18.852	18.330	18.048	18.070	268.30041	6.99319	20.250	18.852	18.359	18.061	18.080	27.074	283.631
1630	268.35393	24.01960	16.582	15.466	15.212	15.123	15.115	268.34679	24.01738	16.593	15.479	15.223	15.117	15.132	24.782	251.241
1631	268.39540	7.62426	19.801	18.466	17.904	17.745	17.608	268.39648	7.62873	19.821	18.493	17.931	17.761	17.617	16.558	13.524
1632	268.40748	5.26999	18.873	17.421	16.776	16.511	16.390	268.40801	5.27788	18.867	17.430	16.796	16.541	16.404	28.468	3.853
1633	268.44699	15.50870	20.375	19.291	18.839	18.675	18.616	268.44223	15.50742	20.362	19.309	18.847	18.693	18.606	17.138	254.44
1634	268.50786	4.39456	20.497	19.106	18.489	18.208	18.077	268.51038	4.39975	20.505	19.126	18.505	18.230	18.083	20.747	25.845
1635	268.56206	9.15147	19.982	18.536	17.878	17.646	17.520	268.56184	9.15899	19.976	18.531	17.878	17.620	17.493	27.078	358.381
1636	268.57639	7.46316	19.411	17.905	17.286	17.037	16.910	268.56934	7.45901	19.406	17.912	17.292	17.041	16.923	29.253	239.318
1637	268.62208	5.17627	18.827	17.322	16.685	16.411	16.286	268.62387	5.18204	18.837	17.345	16.706	16.432	16.283	21.751	17.18
1638	268.72391	6.81696	20.110	18.673	18.073	17.858	17.879	268.71805	6.81245	20.114	18.683	18.094	17.866	17.897	26.503	232.265
1639	268.81252	4.10829	20.966	19.329	18.667	18.355	18.218	268.81653	4.11124	20.983	19.328	18.683	18.380	18.226	17.88	53.586
1640	268.83689	9.73847	21.398	19.873	19.201	18.852	18.751	268.84175	9.74160	21.400	19.861	19.219	18.877	18.751	20.611	56.795
1641	268.85590	15.45353	20.265	18.622	17.983	17.772	17.640	268.86061	15.44814	20.252	18.633	17.990	17.772	17.659	25.372	139.904
1642	268.97831	15.48491	19.725	18.506	18.007	17.865	17.764	268.98387	15.48084	19.706	18.483	18.022	17.889	17.742	24.22	127.28
1643	269.13264	3.98095	20.615	18.710	17.931	17.601	17.450	269.12757	3.98226	20.589	18.725	17.941	17.617	17.433	18.809	284.554
1644	269.19911	3.63686	20.263	18.631	17.984	17.718	17.571	269.19590	3.64364	20.282	18.626	18.009	17.727	17.564	26.991	334.698
1645	269.21421	7.79908	20.130	18.631	17.996	17.655	17.530	269.21646	7.80028	20.128	18.612	18.004	17.677	17.547	9.094	61.748
1646	269.32582	8.01484	19.535	17.344	16.449	15.968	15.753	269.32150	8.01758	19.564	17.360	16.468	15.969	15.740	18.279	302.751
1647	269.39651	3.36817	20.424	18.818	18.114	17.814	17.699	269.39445	3.36370	20.421	18.801	18.116	17.821	17.717	17.702	204.813
1648	269.39843	8.07586	20.698	18.976	18.252	17.939	17.838	269.39170	8.07488	20.685	18.996	18.258	17.949	17.822	24.244	261.617
1649	269.42981	3.37162	19.738	18.382	17.757	17.493	17.372	269.43780	3.37242	19.745	18.362	17.763	17.510	17.366	28.86	84.205
1650	269.43505	5.20780	20.204	18.605	17.932	17.667	17.530	269.44200	5.20407	20.184	18.587	17.939	17.682	17.558	28.296	118.304
1651	269.49798	7.59546	20.913	19.517	18.901	18.703	18.591	269.50498	7.59830	20.936	19.496	18.913	18.723	18.571	26.971	67.747
1652	269.54251	8.88445	19.527	18.191	17.632	17.417	17.273	269.54638	8.88211	19.524	18.209	17.636	17.419	17.275	16.139	121.496
1653	269.64657	7.75391	20.053	18.521	17.809	17.577	17.409	269.63956	7.75001	20.073	18.514	17.809	17.568	17.408	28.664	240.724
1654	269.68429	5.25422	20.460	18.848	18.220	17.951	17.835	269.68777	5.24785	20.435	18.876	18.221	17.961	17.851	26.081	151.444
1655	269.69525	4.61449	19.070	17.455	16.788	16.519	16.398	269.69643	4.60882	19.044	17.449	16.793	16.531	16.407	20.837	168.303
1656	269.71178	9.55371	18.889	17.165	16.516	16.246	16.145	269.70629	9.55185	18.899	17.187	16.528	16.264	16.132	20.604	251.029
1657	269.73383	4.72156	18.581	17.117	16.501	16.255	16.156	269.74016	4.72539	18.573	17.147	16.525	16.277	16.146	26.556	58.701
1658	269.79375	3.25745	21.950	20.448	19.758	19.508	19.279	269.79740	3.25307	21.935	20.468	19.770	19.512	19.271	20.511	140.203
1659	269.92261	5.43621	19.035	17.609	17.022	16.806	16.637	269.91539	5.43836	19.044	17.602	17.029	16.791	16.660	27.01	286.708
1660	269.99997	4.57030	18.022	16.401	15.735	15.473	15.349	270.00294	4.56846	17.998	16.400	15.744	15.485	15.357	12.544	121.896
1661	270.02665	51.89133	17.691	16.233	15.717	15.550	15.500	270.02973	51.88769	17.707	16.226	15.729	15.578	15.528	14.78	152.37
1662	270.03649	9.20882	21.417	19.757	18.968	18.622	18.452	270.03537	9.21394	21.441	19.761	18.983	18.626	18.446	18.843	347.831
1663	270.06367	11.04167	19.454	17.932	17.287	17.033	16.910	270.06411	11.03435	19.443	17.937	17.302	17.033	16.889	26.37	176.615
1664	270.11563	4.88806	20.563	19.038	18.387	18.126	17.996	270.12010	4.88262	20.577	19.018	18.396	18.127	18.006	25.303	140.658
1665	270.14533	8.13962	19.428	17.977	17.328	17.035	16.930	270.14724	8.14128	19.448	17.980	17.333	17.048	16.941	9.038	48.788

1666	270.15762	24.74635	19.857	18.304	17.680	17.447	17.331	270.16014	24.74384	19.866	18.312	17.691	17.456	17.344	12.229	137.635
1667	270.17881	3.96933	19.619	17.651	16.801	16.470	16.282	270.18328	3.97400	19.604	17.673	16.821	16.480	16.289	23.238	43.668
1668	270.24768	24.22330	17.752	16.398	15.877	15.689	15.610	270.25060	24.22941	17.751	16.384	15.879	15.692	15.616	23.983	23.601
1669	270.25368	10.46944	20.035	18.755	18.193	17.992	17.877	270.25395	10.46608	20.045	18.762	18.200	17.981	17.858	12.164	175.587
1670	270.30470	9.44140	19.184	17.826	17.226	16.994	16.880	270.31137	9.43907	19.194	17.847	17.245	17.018	16.886	25.134	109.475
1671	270.46780	3.27557	18.751	17.371	16.784	16.549	16.444	270.47331	3.27081	18.737	17.365	16.796	16.534	16.429	26.19	130.877
1672	270.48162	23.58667	19.137	17.782	17.211	17.004	16.909	270.48505	23.58283	19.158	17.762	17.224	17.031	16.934	17.89	140.695
1673	270.52447	4.22494	21.251	19.738	19.089	18.842	18.714	270.52282	4.22978	21.259	19.736	19.096	18.866	18.720	18.429	341.255
1674	270.55802	3.80102	20.884	19.480	18.877	18.657	18.554	270.56397	3.80121	20.860	19.490	18.907	18.679	18.534	21.393	88.158
1675	270.56176	4.80253	18.177	16.701	16.136	15.920	15.825	270.56127	4.79942	18.163	16.730	16.140	15.917	15.817	11.323	188.899
1676	270.67732	4.10382	20.037	18.338	17.640	17.398	17.281	270.67167	4.10384	20.053	18.364	17.668	17.424	17.306	20.304	270.281
1677	270.69042	3.11234	20.853	19.468	18.849	18.628	18.523	270.69097	3.11069	20.839	19.481	18.867	18.600	18.498	6.275	161.35
1678	270.69465	24.42848	20.348	19.132	18.674	18.465	18.382	270.69887	24.42690	20.365	19.146	18.679	18.486	18.386	14.945	112.384
1679	270.72464	10.88374	21.200	19.471	18.812	18.338	18.331	270.72795	10.89084	21.206	19.479	18.813	18.348	18.325	28.116	24.584
1680	270.72486	3.58505	17.270	15.847	15.298	15.099	15.009	270.72443	3.57676	17.271	15.863	15.320	15.100	15.009	29.907	182.986
1681	270.75736	8.75123	21.887	20.427	19.651	19.283	19.111	270.76400	8.74775	21.857	20.418	19.655	19.292	19.117	26.714	117.905
1682	270.81134	24.72629	17.733	16.085	15.468	15.258	15.164	270.80992	24.72594	17.716	16.087	15.483	15.280	15.193	4.819	255.033
1683	270.87323	3.99146	20.313	18.826	18.210	17.995	17.898	270.87977	3.98995	20.315	18.826	18.230	17.993	17.898	24.123	102.953
1684	270.88576	3.08309	19.881	18.463	17.840	17.565	17.439	270.88479	3.08150	19.905	18.463	17.854	17.582	17.433	6.7	211.384
1685	270.88977	47.35681	19.784	18.575	18.209	18.011	17.936	270.89210	47.36209	19.771	18.583	18.223	18.040	17.935	19.818	16.672
1686	270.89799	2.55234	20.702	19.199	18.592	18.326	18.130	270.89890	2.55839	20.712	19.218	18.596	18.317	18.119	22.022	8.531
1687	270.90783	2.62925	19.514	17.983	17.321	17.031	16.882	270.91468	2.63169	19.491	17.960	17.328	17.058	16.898	26.149	70.383
1688	270.95363	5.01632	19.781	18.177	17.539	17.257	17.107	270.95479	5.02359	19.809	18.187	17.540	17.259	17.137	26.511	9.015
1689	270.99295	4.01632	20.981	19.201	18.533	18.318	18.182	270.99360	4.01948	20.958	19.192	18.551	18.297	18.203	11.617	11.431
1690	271.00984	3.44281	21.003	19.656	19.045	18.799	18.663	271.00606	3.44564	21.020	19.654	19.054	18.815	18.658	16.981	306.897
1691	271.04279	3.89185	20.868	19.320	18.678	18.396	18.310	271.04123	3.89378	20.844	19.339	18.687	18.398	18.282	8.928	321.153
1692	271.04365	4.84191	19.998	18.431	17.794	17.576	17.438	271.04246	4.84992	20.002	18.453	17.813	17.582	17.419	29.167	351.551
1693	271.05320	3.93519	20.248	18.708	18.072	17.790	17.752	271.05929	3.93394	20.264	18.713	18.082	17.807	17.732	22.339	101.646
1694	271.07892	4.34915	19.484	18.131	17.552	17.302	17.170	271.07627	4.34301	19.487	18.154	17.574	17.314	17.190	24.081	203.263
1695	271.08844	9.72959	20.156	18.743	18.232	17.901	17.805	271.09292	9.72817	20.131	18.761	18.250	17.923	17.796	16.714	107.873
1696	271.09858	47.29073	19.838	18.545	18.030	17.847	17.767	271.10842	47.28601	19.825	18.562	18.032	17.840	17.786	29.426	125.286
1697	271.17335	11.32435	20.864	19.549	18.989	18.776	18.686	271.17383	11.31836	20.871	19.557	19.009	18.805	18.672	21.629	175.56
1698	271.17383	11.31836	20.871	19.557	19.009	18.805	18.672	271.17513	11.32016	20.878	19.560	19.037	18.817	18.676	7.933	35.245
1699	271.21541	9.60451	21.313	19.721	19.057	18.724	18.583	271.21277	9.59773	21.335	19.709	19.073	18.736	18.574	26.131	201.015
1700	271.26265	3.04071	20.453	19.027	18.394	18.171	18.042	271.26037	3.04730	20.462	19.043	18.403	18.185	18.032	25.11	340.948
1701	271.29700	24.52394	21.122	19.395	18.628	18.333	18.171	271.29648	24.53039	21.133	19.387	18.631	18.311	18.196	23.264	355.845
1702	271.32904	9.23089	20.185	18.863	18.303	18.005	17.872	271.33713	9.23189	20.211	18.880	18.305	18.031	17.874	28.948	82.824
1703	271.34687	3.25366	19.341	18.001	17.428	17.221	17.081	271.34524	3.25078	19.328	17.999	17.456	17.236	17.108	11.922	209.502

1704	271.36597	9.96918	21.873	20.638	19.979	19.776	19.754	271.36343	9.96640	21.846	20.659	20.009	19.802	19.748	13.46	221.977
1705	271.37207	11.48891	20.308	18.627	17.970	17.773	17.687	271.37951	11.48632	20.311	18.600	17.984	17.781	17.678	27.838	109.594
1706	271.42104	4.15781	20.522	18.976	18.406	18.147	18.112	271.41818	4.15717	20.496	18.981	18.420	18.163	18.105	10.519	257.305
1707	271.42446	11.12275	19.314	17.907	17.382	17.174	17.073	271.43004	11.12721	19.294	17.937	17.403	17.180	17.062	25.435	50.876
1708	271.43537	2.74213	18.027	16.660	16.074	15.857	15.729	271.43482	2.75041	18.035	16.661	16.094	15.867	15.758	29.895	356.223
1709	271.46913	9.99247	21.213	19.522	18.740	18.391	18.314	271.47179	9.99667	21.240	19.534	18.762	18.404	18.286	17.808	32.058
1710	271.48938	10.67262	20.562	19.039	18.408	18.224	18.102	271.49568	10.67136	20.547	19.064	18.434	18.240	18.102	22.756	101.565
1711	271.58824	3.71002	21.003	19.505	18.901	18.655	18.540	271.59234	3.70594	20.977	19.503	18.902	18.655	18.529	20.805	134.943
1712	271.60447	4.17891	20.689	18.628	17.769	17.420	17.185	271.61114	4.17799	20.676	18.652	17.775	17.409	17.179	24.175	97.891
1713	271.60742	10.20506	20.564	18.603	17.859	17.574	17.469	271.61026	10.20182	20.536	18.623	17.874	17.552	17.457	15.395	139.159
1714	271.64383	12.29824	19.730	18.153	17.455	17.179	17.065	271.64009	12.30421	19.728	18.164	17.464	17.185	17.067	25.223	328.536
1715	271.66132	2.81295	20.835	19.382	18.766	18.462	18.329	271.66358	2.81892	20.830	19.374	18.767	18.469	18.307	22.968	20.725
1716	271.66357	4.57267	20.368	18.862	18.245	18.001	17.896	271.65756	4.57490	20.370	18.886	18.247	18.011	17.900	23.036	290.387
1717	271.66990	4.16382	21.181	19.702	19.089	18.785	18.641	271.67448	4.15724	21.178	19.728	19.094	18.802	18.643	28.832	145.266
1718	271.68296	12.54427	19.876	18.340	17.701	17.398	17.265	271.68268	12.53933	19.902	18.358	17.705	17.414	17.261	17.823	183.097
1719	271.70318	3.08234	19.741	18.212	17.576	17.360	17.240	271.69498	3.08210	19.759	18.221	17.589	17.338	17.215	29.5	268.322
1720	271.70574	4.22458	20.579	19.056	18.433	18.179	17.988	271.70529	4.22099	20.596	19.061	18.441	18.178	17.972	13.007	187.225
1721	271.71390	4.50999	20.310	18.746	18.173	17.969	17.811	271.71098	4.51018	20.288	18.746	18.182	17.949	17.800	10.512	273.916
1722	271.73665	77.86048	18.004	16.432	15.837	15.632	15.545	271.72328	77.86340	18.005	16.431	15.848	15.637	15.551	14.598	316.106
1723	271.77193	4.44889	20.219	18.664	18.031	17.748	17.634	271.76926	4.45189	20.200	18.669	18.036	17.737	17.631	14.44	318.368
1724	271.79363	4.64597	19.597	18.335	17.788	17.550	17.415	271.78583	4.64723	19.592	18.319	17.791	17.531	17.399	28.373	279.185
1725	271.79612	3.52958	19.184	17.784	17.221	16.976	16.855	271.79749	3.52572	19.198	17.790	17.234	16.992	16.844	14.754	160.469
1726	271.82168	2.22916	19.919	18.299	17.591	17.328	17.198	271.82834	2.22723	19.930	18.310	17.613	17.340	17.213	24.948	106.163
1727	271.84293	24.93125	19.634	18.266	17.721	17.524	17.392	271.84931	24.93562	19.652	18.293	17.748	17.519	17.418	26.108	52.861
1728	271.86978	12.14151	18.641	16.990	16.361	16.135	16.025	271.87061	12.14410	18.616	16.973	16.362	16.123	16.000	9.773	17.406
1729	271.89253	3.18686	19.733	18.264	17.657	17.400	17.282	271.89391	3.19012	19.718	18.281	17.681	17.418	17.290	12.735	22.823
1730	271.92771	4.46112	21.947	20.461	19.710	19.432	19.256	271.92797	4.46309	21.933	20.437	19.725	19.461	19.231	7.144	7.619
1731	271.93526	4.59376	20.988	19.542	18.901	18.650	18.544	271.93656	4.59935	20.995	19.514	18.919	18.635	18.519	20.656	12.984
1732	271.95679	3.18066	19.770	18.276	17.652	17.352	17.218	271.96048	3.17574	19.743	18.304	17.658	17.376	17.235	22.128	143.175
1733	271.95988	4.43951	20.756	19.163	18.456	18.184	18.057	271.95979	4.43550	20.743	19.137	18.465	18.193	18.062	14.406	181.268
1734	271.96464	3.16892	20.484	19.059	18.480	18.230	18.112	271.96018	3.17458	20.495	19.057	18.488	18.236	18.085	25.925	321.859
1735	272.00781	12.64447	20.098	18.444	17.706	17.420	17.299	272.00622	12.65027	20.106	18.464	17.723	17.427	17.283	21.628	345.056
1736	272.01188	3.01651	20.018	18.643	18.041	17.826	17.668	272.01093	3.02256	19.996	18.622	18.046	17.817	17.650	22.046	351.066
1737	272.03055	2.00787	19.719	18.257	17.580	17.309	17.157	272.03133	2.01605	19.699	18.264	17.602	17.299	17.146	29.563	5.465
1738	272.07758	3.93259	20.556	19.292	18.731	18.517	18.388	272.08326	3.93172	20.566	19.277	18.738	18.514	18.385	20.628	98.797
1739	272.09460	2.44307	20.772	19.178	18.502	18.135	18.065	272.09460	2.44506	20.756	19.197	18.505	18.160	18.047	7.166	359.896
1740	272.15505	2.94787	19.834	18.260	17.539	17.239	17.071	272.15001	2.94755	19.829	18.276	17.549	17.250	17.084	18.157	266.343
1741	272.15848	4.29267	19.866	18.482	17.953	17.718	17.591	272.16024	4.29248	19.888	18.502	17.967	17.732	17.582	6.361	96.342

1742	272.19586	3.45719	20.569	19.245	18.639	18.371	18.252	272.20167	3.45766	20.581	19.226	18.642	18.357	18.237	20.946	85.351
1743	272.20578	23.42861	21.309	19.907	19.326	19.087	18.948	272.21138	23.42777	21.325	19.911	19.328	19.082	18.969	18.739	99.316
1744	272.28894	2.35935	20.718	19.098	18.355	18.033	17.925	272.29586	2.35954	20.748	19.101	18.373	18.033	17.910	24.887	88.467
1745	272.33782	3.70164	19.395	17.979	17.362	17.134	16.978	272.33595	3.70913	19.375	17.987	17.369	17.133	16.988	27.791	346.017
1746	272.37436	3.90284	19.891	18.175	17.458	17.189	17.003	272.37851	3.90546	19.903	18.169	17.458	17.209	16.990	17.606	57.694
1747	272.38826	3.35084	20.267	18.863	18.240	18.013	17.870	272.39365	3.34549	20.286	18.863	18.258	18.019	17.863	27.299	134.841
1748	272.40506	3.81908	20.833	19.451	18.780	18.496	18.382	272.40142	3.82231	20.822	19.458	18.794	18.524	18.396	17.476	311.682
1749	272.48312	12.58540	18.412	16.945	16.324	16.216	16.011	272.48127	12.58063	18.398	16.955	16.336	16.207	15.991	18.378	200.82
1750	272.49335	10.75760	19.666	18.118	17.529	17.347	17.287	272.49208	10.75154	19.637	18.125	17.529	17.333	17.257	22.277	191.69
1751	272.50453	10.27478	19.855	18.117	17.330	17.101	16.912	272.50473	10.27701	19.851	18.141	17.353	17.103	16.884	8.063	5.005
1752	272.51197	11.47219	19.827	18.595	18.144	17.903	17.823	272.50972	11.47540	19.832	18.612	18.155	17.897	17.806	14.027	325.622
1753	272.52218	12.00672	20.051	18.830	18.352	18.133	18.082	272.52848	12.00917	20.075	18.858	18.361	18.148	18.107	23.862	68.351
1754	272.59590	10.26229	19.776	18.262	17.545	17.287	17.106	272.59794	10.25706	19.772	18.275	17.556	17.292	17.114	20.15	159.025
1755	272.61092	2.76976	21.881	20.148	19.436	19.168	19.055	272.60540	2.77493	21.885	20.146	19.451	19.140	19.030	27.214	313.195
1756	272.62859	10.47197	18.753	17.335	16.690	16.532	16.423	272.62978	10.46683	18.737	17.350	16.705	16.530	16.410	18.982	167.131
1757	272.64878	10.49783	21.092	19.060	18.151	17.830	17.680	272.64950	10.49037	21.089	19.061	18.155	17.833	17.685	26.978	174.576
1758	272.65175	11.12518	20.867	19.639	19.205	18.973	18.896	272.64810	11.11943	20.889	19.664	19.205	18.977	18.900	24.38	211.948
1759	272.66738	4.14713	21.160	19.978	19.459	19.210	19.109	272.66654	4.14147	21.143	19.963	19.470	19.237	19.104	20.578	188.429
1760	272.74905	3.05432	20.977	19.483	18.782	18.455	18.366	272.75591	3.05716	20.969	19.483	18.803	18.477	18.396	26.709	67.52
1761	272.75524	22.71960	18.181	16.766	16.239	16.035	15.941	272.75679	22.71575	18.162	16.773	16.246	16.040	15.945	14.774	159.581
1762	272.79861	11.74757	18.752	17.305	16.662	16.506	16.402	272.79727	11.75080	18.738	17.295	16.673	16.527	16.430	12.544	337.899
1763	272.86328	1.60987	21.411	19.587	18.602	18.181	17.951	272.85642	1.60847	21.437	19.609	18.628	18.200	17.928	25.198	258.44
1764	272.92137	10.66986	19.733	18.457	17.907	17.672	17.608	272.92831	10.67050	19.733	18.449	17.914	17.680	17.609	24.66	84.625
1765	273.03706	1.48820	21.883	20.099	19.060	18.564	18.238	273.04381	1.49023	21.878	20.126	19.083	18.567	18.240	25.357	73.247
1766	273.06447	2.50664	20.560	18.886	18.053	17.677	17.490	273.06650	2.50134	20.571	18.912	18.082	17.682	17.490	20.414	159.058
1767	273.11520	1.55921	18.309	16.510	15.627	15.190	14.956	273.11324	1.56188	18.293	16.527	15.635	15.202	14.962	11.929	323.623
1768	273.12076	11.43773	19.951	18.694	18.138	17.905	17.853	273.12518	11.43203	19.979	18.714	18.165	17.931	17.868	25.786	142.799
1769	273.12470	2.51159	21.385	19.755	18.933	18.542	18.299	273.12381	2.51303	21.378	19.759	18.956	18.521	18.315	6.106	328.219
1770	273.14583	2.36727	19.939	18.155	17.278	16.883	16.610	273.15108	2.36126	19.923	18.183	17.292	16.869	16.604	28.73	138.846
1771	273.16943	23.35357	18.114	16.016	15.124	14.799	14.612	273.17404	23.35579	18.090	16.006	15.139	14.816	14.633	17.189	62.343
1772	273.17252	13.72130	19.269	17.929	17.322	17.137	17.002	273.16918	13.72510	19.250	17.947	17.323	17.128	16.995	17.999	319.566
1773	273.17562	13.76038	21.052	19.686	18.987	18.762	18.601	273.17057	13.75935	21.073	19.689	19.001	18.768	18.614	18.043	258.114
1774	273.20382	3.82262	19.521	17.809	17.128	16.867	16.731	273.21073	3.82117	19.506	17.822	17.151	16.894	16.759	25.377	101.843
1775	273.39614	11.21732	20.419	19.336	18.905	18.644	18.550	273.39830	11.20990	20.444	19.346	18.922	18.626	18.543	27.789	164.093
1776	273.43234	12.37391	20.129	18.832	18.211	18.014	17.952	273.42595	12.37732	20.125	18.860	18.241	18.027	17.951	25.585	298.659
1777	273.55202	2.69909	20.616	18.929	18.144	17.750	17.555	273.55461	2.70165	20.630	18.949	18.154	17.762	17.531	13.129	45.342
1778	273.63086	13.51699	21.229	19.983	19.380	19.187	19.146	273.63142	13.51625	21.236	19.977	19.398	19.191	19.135	3.32	143.507
1779	273.63498	14.10658	19.257	17.710	17.108	16.871	16.775	273.64272	14.10537	19.259	17.735	17.128	16.890	16.801	27.352	99.139

1780	273.67788	11.98316	18.807	17.472	16.927	16.771	16.652	273.67582	11.98171	18.808	17.478	16.930	16.752	16.627	8.929	234.144
1781	273.69295	12.35198	21.200	19.540	18.814	18.575	18.385	273.68726	12.35780	21.203	19.548	18.816	18.559	18.409	28.977	316.295
1782	273.77433	3.00711	21.115	19.328	18.529	18.186	17.951	273.76988	3.01074	21.119	19.357	18.552	18.166	17.976	20.648	309.328
1783	273.79967	3.02387	21.898	19.629	18.555	18.058	17.777	273.80194	3.03058	21.883	19.602	18.556	18.059	17.751	25.463	18.658
1784	273.93515	13.86549	19.848	17.933	17.181	16.930	16.780	273.92885	13.86132	19.822	17.931	17.196	16.937	16.798	26.643	235.74
1785	273.95448	23.64059	20.483	19.212	18.637	18.425	18.328	273.95312	23.64293	20.507	19.194	18.662	18.452	18.310	9.543	331.897
1786	273.95712	12.75413	21.527	19.883	19.040	18.690	18.542	273.95635	12.75361	21.545	19.899	19.051	18.684	18.540	3.294	235.14
1787	273.99199	14.43808	20.185	18.744	18.137	17.880	17.704	273.99864	14.43638	20.190	18.737	18.147	17.890	17.727	23.981	104.75
1788	274.10179	12.72861	21.838	20.496	19.784	19.590	19.458	274.09851	12.73384	21.836	20.505	19.803	19.568	19.460	22.066	328.545
1789	274.16170	63.62153	18.399	17.105	16.668	16.525	16.464	274.14661	63.62184	18.400	17.127	16.684	16.524	16.440	24.171	272.666
1790	274.20238	2.35582	20.857	18.969	18.047	17.619	17.408	274.20757	2.35213	20.879	18.964	18.055	17.640	17.425	22.916	125.452
1791	274.20265	2.77264	21.685	19.995	19.124	18.715	18.469	274.20602	2.77710	21.699	19.988	19.140	18.736	18.487	20.13	37.068
1792	274.39708	23.82704	21.712	20.227	19.567	19.318	19.284	274.39208	23.83073	21.695	20.230	19.583	19.311	19.261	21.16	308.848
1793	274.48693	3.22324	21.573	20.025	19.151	18.727	18.562	274.48666	3.22064	21.597	20.018	19.155	18.754	18.547	9.428	185.897
1794	274.53148	12.70516	19.662	18.239	17.620	17.374	17.274	274.52888	12.70524	19.681	18.239	17.630	17.385	17.300	9.159	271.77
1795	274.60875	14.90153	20.649	18.967	18.326	18.002	17.877	274.61185	14.90736	20.625	18.992	18.340	18.030	17.905	23.595	27.134
1796	274.61536	3.09644	21.076	19.662	18.871	18.484	18.248	274.62032	3.10002	21.105	19.688	18.880	18.487	18.222	21.982	54.095
1797	274.62055	14.31253	19.295	17.774	17.137	16.880	16.727	274.62392	14.30608	19.279	17.777	17.161	16.893	16.751	26.017	153.149
1798	274.66756	13.21406	19.229	17.906	17.303	17.105	16.988	274.65960	13.21140	19.239	17.898	17.308	17.112	17.015	29.477	251.026
1799	274.68071	14.47000	20.833	19.475	18.756	18.505	18.386	274.68691	14.46905	20.812	19.455	18.761	18.498	18.361	21.905	98.941
1800	274.69033	13.27099	21.175	19.592	18.851	18.558	18.426	274.68910	13.26709	21.173	19.596	18.867	18.584	18.411	14.679	197.062
1801	274.79485	23.28974	21.317	19.590	18.822	18.565	18.403	274.79458	23.29236	21.295	19.572	18.842	18.559	18.430	9.487	354.604
1802	274.81324	14.02131	18.738	16.962	16.325	16.090	15.977	274.81976	14.01696	18.718	16.985	16.354	16.108	15.988	27.627	124.507
1803	274.86042	15.11600	19.519	18.010	17.268	17.032	16.975	274.86823	15.11894	19.506	18.038	17.285	17.036	16.982	29.15	68.689
1804	274.87355	15.08976	19.484	17.993	17.283	17.067	17.013	274.87710	15.09411	19.482	18.004	17.291	17.049	17.004	19.934	38.228
1805	274.92627	13.11822	19.464	17.941	17.394	17.154	17.073	274.91960	13.11946	19.435	17.945	17.400	17.166	17.068	23.801	280.729
1806	275.14522	14.81546	19.233	17.781	17.112	16.859	16.660	275.14377	14.81130	19.221	17.775	17.118	16.878	16.687	15.778	198.66
1807	275.24337	22.07854	19.924	18.437	17.822	17.606	17.443	275.23773	22.07388	19.939	18.454	17.832	17.627	17.446	25.211	228.32
1808	275.29941	13.31807	20.146	18.686	18.074	17.839	17.734	275.29529	13.31552	20.158	18.663	18.079	17.830	17.749	17.094	237.609
1809	275.35537	20.94707	19.249	17.733	17.094	16.855	16.752	275.35537	20.93949	19.258	17.758	17.113	16.869	16.752	27.302	179.982
1810	275.51149	14.13191	21.431	19.947	19.319	19.053	19.004	275.50955	14.12690	21.445	19.950	19.338	19.036	18.995	19.249	200.679
1811	275.79367	22.40958	20.890	19.327	18.696	18.424	18.246	275.80057	22.40532	20.876	19.319	18.711	18.407	18.247	27.613	123.752
1812	275.81243	21.25428	21.919	20.397	19.766	19.519	19.416	275.80876	21.25252	21.911	20.378	19.774	19.502	19.425	13.852	242.798
1813	275.82688	13.67111	18.153	16.782	16.288	16.038	15.949	275.83500	13.67092	18.177	16.797	16.306	16.051	15.964	28.417	91.367
1814	275.92633	20.77185	17.286	15.478	14.797	14.565	14.441	275.92507	20.77257	17.312	15.478	14.804	14.575	14.455	4.939	301.394
1815	275.93656	13.77256	20.855	19.343	18.772	18.577	18.438	275.93786	13.76956	20.835	19.363	18.777	18.570	18.440	11.702	157.084
1816	275.94331	13.18287	21.335	19.749	19.074	18.739	18.681	275.93711	13.18635	21.364	19.720	19.074	18.752	18.669	25.075	299.947
1817	276.17182	13.91831	20.224	18.413	17.747	17.471	17.258	276.17583	13.92526	20.251	18.440	17.771	17.467	17.242	28.683	29.178

1818	276.26762	14.62101	19.921	18.444	17.807	17.468	17.308	276.26297	14.62555	19.933	18.468	17.821	17.468	17.299	22.994	315.196
1819	276.29786	20.59731	19.487	17.774	17.044	16.722	16.557	276.30125	20.59791	19.499	17.773	17.051	16.711	16.563	11.627	79.266
1820	276.31180	21.29606	21.505	19.804	19.085	18.804	18.772	276.30472	21.29467	21.480	19.800	19.100	18.788	18.748	24.271	258.104
1821	276.31585	14.60426	18.059	16.371	15.629	15.340	15.134	276.31884	14.60744	18.070	16.397	15.650	15.318	15.115	15.48	42.269
1822	276.34046	15.76858	19.598	18.039	17.318	17.035	16.854	276.33985	15.77546	19.601	18.022	17.333	17.043	16.867	24.858	355.122
1823	276.46619	16.00578	20.017	18.513	17.767	17.451	17.313	276.46724	15.99938	20.022	18.513	17.780	17.451	17.284	23.343	171.013
1824	276.49710	21.44179	19.735	18.305	17.704	17.491	17.377	276.49547	21.44607	19.707	18.309	17.732	17.500	17.393	16.371	340.598
1825	276.49849	21.65749	19.061	17.347	16.664	16.424	16.307	276.50272	21.65291	19.083	17.358	16.683	16.450	16.328	21.73	139.425
1826	276.66836	13.92929	20.411	18.849	18.190	17.934	17.792	276.66290	13.93021	20.385	18.836	18.206	17.926	17.788	19.361	279.818
1827	276.71834	13.81504	20.252	18.692	18.074	17.783	17.638	276.71503	13.81354	20.277	18.708	18.075	17.756	17.649	12.797	244.891
1828	276.82418	14.59969	21.644	19.718	18.912	18.569	18.404	276.81872	14.59842	21.638	19.725	18.939	18.590	18.417	19.562	256.482
1829	276.86889	20.62026	19.926	18.446	17.804	17.517	17.407	276.86415	20.62054	19.933	18.442	17.808	17.520	17.397	15.992	273.584
1830	276.98402	21.55660	20.970	19.720	19.221	19.034	18.887	276.98018	21.55165	20.991	19.750	19.233	19.054	18.865	21.966	215.773
1831	277.03774	21.42374	19.053	17.605	17.039	16.830	16.710	277.04591	21.42629	19.083	17.614	17.053	16.859	16.725	28.88	71.462
1832	277.14225	20.20395	16.596	15.180	14.641	14.487	14.393	277.14403	20.20944	16.603	15.194	14.669	14.481	14.401	20.652	16.897
1833	277.16194	14.23250	19.869	17.941	17.172	16.887	16.726	277.16380	14.23503	19.880	17.949	17.182	16.890	16.745	11.178	35.424
1834	277.22185	17.08427	21.978	20.511	19.673	19.276	19.011	277.22490	17.08860	21.994	20.538	19.674	19.286	19.035	18.822	33.946
1835	277.26787	14.51412	19.484	17.970	17.360	17.054	16.872	277.27299	14.51046	19.485	17.997	17.373	17.034	16.845	22.178	126.439
1836	277.27866	21.91282	20.819	18.571	17.754	17.394	17.185	277.28502	21.91503	20.844	18.592	17.768	17.393	17.187	22.684	69.52
1837	277.27941	21.39843	20.144	18.631	18.015	17.779	17.680	277.28181	21.40533	20.140	18.633	18.033	17.795	17.668	26.09	17.931
1838	277.34737	14.35051	18.476	16.981	16.363	16.070	15.874	277.34831	14.34270	18.451	16.973	16.368	16.073	15.897	28.328	173.31
1839	277.35522	15.05568	20.717	18.918	18.216	17.922	17.794	277.35833	15.06224	20.744	18.942	18.227	17.915	17.791	25.957	24.566
1840	277.35536	20.15645	20.315	18.845	18.199	17.964	17.803	277.35786	20.15759	20.320	18.834	18.228	17.973	17.822	9.38	64.043
1841	277.38058	22.11397	21.087	19.650	19.022	18.797	18.700	277.37714	22.11124	21.105	19.679	19.035	18.802	18.691	15.147	229.378
1842	277.43795	15.60457	21.143	19.746	19.055	18.769	18.656	277.43089	15.60126	21.156	19.734	19.060	18.769	18.645	27.211	244.044
1843	277.49673	40.60795	19.035	17.649	17.135	16.945	16.844	277.49657	40.60261	19.035	17.660	17.140	16.940	16.850	19.254	181.232
1844	277.49987	16.13465	21.297	19.181	18.318	17.921	17.760	277.49376	16.13183	21.270	19.210	18.336	17.916	17.775	23.451	244.289
1845	277.54213	22.70538	19.542	18.064	17.482	17.284	17.182	277.53508	22.70758	19.531	18.091	17.489	17.292	17.163	24.705	288.696
1846	277.55447	40.71624	19.900	18.728	18.299	18.135	18.072	277.54496	40.71655	19.896	18.746	18.322	18.160	18.074	25.99	272.477
1847	277.78262	16.06820	20.604	18.979	18.231	17.947	17.792	277.78199	16.06145	20.633	18.987	18.242	17.927	17.817	24.411	185.097
1848	277.86291	16.61028	20.116	18.441	17.717	17.444	17.275	277.85607	16.60845	20.092	18.434	17.719	17.441	17.267	24.475	254.448
1849	277.89872	22.30291	19.817	18.364	17.764	17.542	17.438	277.90264	22.29823	19.836	18.378	17.793	17.551	17.461	21.302	142.214
1850	277.90784	17.68410	19.160	17.584	16.819	16.491	16.290	277.90708	17.68912	19.137	17.593	16.825	16.505	16.303	18.251	351.864
1851	277.91230	20.37339	20.510	18.993	18.373	18.088	17.972	277.90612	20.36995	20.512	19.015	18.376	18.091	17.988	24.257	239.269
1852	277.93347	21.01338	20.001	18.530	17.878	17.641	17.544	277.93200	21.00665	20.014	18.539	17.882	17.636	17.516	24.75	191.468
1853	277.94617	17.31837	21.308	19.761	18.944	18.578	18.324	277.94854	17.32361	21.290	19.772	18.945	18.584	18.352	20.557	23.379
1854	277.95246	15.46116	21.581	19.883	19.098	18.871	18.724	277.95431	15.45395	21.573	19.873	19.098	18.882	18.733	26.705	166.097
1855	278.02235	21.60416	21.766	20.106	19.280	18.948	18.744	278.02478	21.60739	21.767	20.110	19.296	18.963	18.731	14.192	34.918

1856	278.05837	20.61759	21.382	19.632	18.905	18.633	18.504	278.06515	20.61545	21.385	19.634	18.928	18.636	18.508	24.111	108.708
1857	278.12807	19.94961	20.806	19.292	18.591	18.344	18.168	278.12654	19.95027	20.812	19.279	18.597	18.324	18.152	5.694	294.585
1858	278.15021	22.02076	20.977	19.659	19.038	18.799	18.719	278.14292	22.02462	20.981	19.633	19.049	18.819	18.690	28.021	299.733
1859	278.25842	22.09623	19.327	17.954	17.372	17.147	17.020	278.25363	22.09390	19.352	17.968	17.385	17.170	17.039	18.039	242.337
1860	278.43297	20.71928	19.410	17.849	17.184	16.917	16.781	278.43398	20.71126	19.402	17.845	17.197	16.941	16.806	12.679	254.89
1861	278.43398	20.71126	19.402	17.845	17.197	16.941	16.806	278.42934	20.71836	19.391	17.861	17.204	16.936	16.795	29.968	328.556
1862	278.51552	19.98148	18.107	16.764	16.242	16.032	15.904	278.51375	19.97676	18.107	16.781	16.252	16.037	15.920	18.026	199.356
1863	278.64929	15.47107	19.888	18.166	17.417	17.171	16.942	278.65662	15.47327	19.865	18.154	17.428	17.154	16.935	26.623	72.732
1864	278.67761	17.33539	21.512	19.859	19.062	18.695	18.540	278.67860	17.32877	21.530	19.884	19.083	18.724	18.520	24.087	171.893
1865	278.68575	64.47188	17.938	16.781	16.355	16.216	16.186	278.67796	64.47652	17.957	16.794	16.363	16.228	16.193	20.607	324.096
1866	278.71315	20.63314	20.571	19.095	18.416	18.164	18.019	278.71490	20.64063	20.573	19.112	18.429	18.155	18.003	27.609	12.338
1867	278.80495	16.75071	20.036	18.306	17.534	17.187	17.019	278.80430	16.74889	20.032	18.297	17.554	17.207	17.039	6.911	198.886
1868	278.88650	21.02868	19.771	18.166	17.422	17.195	17.091	278.88295	21.03293	19.775	18.188	17.440	17.216	17.102	19.384	322.036
1869	278.88852	20.79325	19.363	17.073	16.100	15.711	15.463	278.88148	20.79816	19.345	17.079	16.107	15.711	15.445	29.546	306.745
1870	278.89683	20.18096	21.012	19.457	18.770	18.460	18.353	278.89456	20.17763	21.008	19.444	18.782	18.474	18.332	14.221	212.544
1871	278.98899	20.57778	20.641	19.259	18.625	18.383	18.243	278.98275	20.57227	20.614	19.243	18.638	18.375	18.263	28.916	226.672
1872	279.02826	19.50866	20.526	19.054	18.412	18.175	18.012	279.03298	19.51038	20.523	19.074	18.434	18.179	17.993	17.174	68.921
1873	279.04115	21.16058	20.177	18.380	17.615	17.321	17.197	279.03305	21.15712	20.166	18.362	17.638	17.343	17.191	29.908	245.373
1874	279.04686	21.33892	21.419	20.305	19.743	19.520	19.391	279.05199	21.34192	21.408	20.309	19.762	19.522	19.404	20.29	57.891
1875	279.09715	16.04417	19.365	17.739	16.964	16.662	16.434	279.09746	16.04570	19.367	17.726	16.966	16.667	16.460	5.619	11.274
1876	279.12975	19.66386	20.293	18.636	17.877	17.602	17.445	279.12626	19.66304	20.269	18.637	17.901	17.622	17.458	12.168	256.052
1877	279.16870	41.32177	18.851	17.468	16.968	16.783	16.704	279.17341	41.32306	18.849	17.478	16.986	16.813	16.723	13.574	69.873
1878	279.22209	21.98690	19.161	17.776	17.187	16.957	16.831	279.21415	21.99065	19.138	17.794	17.204	16.964	16.852	29.732	296.998
1879	279.22924	16.55395	21.356	19.643	18.925	18.551	18.413	279.22520	16.55499	21.336	19.661	18.933	18.543	18.383	14.431	285.051
1880	279.25245	18.75834	19.525	17.902	17.206	16.907	16.716	279.25418	18.75775	19.508	17.931	17.214	16.925	16.739	6.262	109.963
1881	279.25741	19.31978	19.324	17.841	17.202	16.940	16.780	279.26499	19.31996	19.303	17.856	17.226	16.967	16.808	25.78	88.603
1882	279.27979	21.12031	20.283	18.678	17.937	17.651	17.534	279.28392	21.11896	20.302	18.653	17.945	17.655	17.529	19.832	52.392
1883	279.35309	16.67683	18.775	17.000	16.230	15.885	15.714	279.34742	16.67191	18.769	17.003	16.243	15.891	15.711	26.37	227.818
1884	279.41690	18.87791	20.419	18.597	17.868	17.561	17.364	279.41280	18.87838	20.420	18.625	17.887	17.563	17.382	14.046	276.92
1885	279.45845	17.72652	21.480	19.672	18.950	18.657	18.493	279.45589	17.72764	21.479	19.695	18.952	18.674	18.505	9.664	294.797
1886	279.48372	19.78931	20.750	19.079	18.446	18.180	18.035	279.48216	19.78823	20.750	19.077	18.449	18.191	18.052	6.551	233.647
1887	279.50511	17.47305	18.659	16.884	16.139	15.831	15.640	279.50928	17.47416	18.670	16.909	16.164	15.846	15.668	14.885	74.367
1888	279.52034	21.11001	21.450	20.023	19.326	19.085	18.886	279.51199	21.10896	21.432	20.031	19.342	19.108	18.858	28.296	262.308
1889	279.55513	21.77674	19.253	17.735	17.143	16.924	16.792	279.54912	21.77598	19.244	17.750	17.161	16.926	16.814	20.309	262.232
1890	279.59683	21.01791	20.049	18.548	17.894	17.614	17.500	279.59328	21.01769	20.057	18.554	17.914	17.608	17.520	11.963	266.161
1891	279.61653	21.84391	20.157	18.401	17.669	17.397	17.237	279.61408	21.84828	20.176	18.418	17.676	17.372	17.235	17.73	332.523
1892	279.62665	16.35074	20.462	18.689	17.865	17.511	17.301	279.63197	16.35204	20.461	18.673	17.869	17.512	17.295	18.982	75.748
1893	279.65508	21.10207	19.696	18.113	17.449	17.167	17.047	279.65246	21.10592	19.670	18.136	17.453	17.176	17.022	16.402	327.606

1894	279.73430	19.21476	18.329	16.695	16.014	15.794	15.589	279.73275	19.21100	18.300	16.671	16.018	15.805	15.605	14.522	201.393
1895	279.78982	19.37346	21.054	18.968	18.144	17.842	17.691	279.78321	19.37018	21.041	18.998	18.160	17.864	17.712	25.359	242.248
1896	279.80534	19.54394	21.329	19.504	18.776	18.501	18.309	279.80515	19.53599	21.331	19.494	18.783	18.472	18.339	28.652	181.297
1897	279.90050	20.67679	19.207	17.471	16.759	16.495	16.365	279.90095	20.67848	19.190	17.474	16.777	16.522	16.382	6.255	13.772
1898	279.91984	20.43644	20.846	19.100	18.425	18.149	18.020	279.92132	20.43746	20.875	19.091	18.426	18.144	17.999	6.198	53.698
1899	279.93142	20.44810	20.542	18.958	18.279	17.989	17.806	279.93221	20.44328	20.562	18.982	18.290	17.999	17.826	17.534	171.337
1900	279.97304	18.90566	20.756	19.183	18.477	18.140	17.972	279.96553	18.90599	20.740	19.212	18.494	18.158	17.957	25.592	272.654
1901	279.99868	19.68792	20.819	19.218	18.557	18.316	18.140	279.99232	19.68644	20.827	19.211	18.576	18.315	18.155	22.2	256.047
1902	280.00983	18.83533	19.210	17.696	17.017	16.702	16.559	280.00838	18.84259	19.199	17.707	17.033	16.724	16.558	26.604	349.299
1903	280.01497	21.06938	21.016	19.469	18.814	18.566	18.486	280.01745	21.07006	21.021	19.448	18.814	18.578	18.508	8.662	73.695
1904	280.11650	19.96060	20.259	18.662	17.962	17.674	17.516	280.12273	19.96423	20.243	18.649	17.970	17.674	17.528	24.82	58.178
1905	280.14243	19.21596	19.184	17.709	17.030	16.771	16.602	280.13868	19.22149	19.209	17.714	17.033	16.762	16.595	23.668	327.393
1906	280.16291	21.01108	19.886	18.373	17.721	17.463	17.362	280.15955	21.01836	19.877	18.397	17.749	17.480	17.363	28.516	336.732
1907	280.22270	17.32451	21.743	19.669	18.779	18.365	18.136	280.23007	17.32128	21.750	19.698	18.788	18.347	18.162	27.863	114.636
1908	280.27394	19.03123	21.879	19.856	18.915	18.471	18.219	280.27814	19.03789	21.909	19.877	18.928	18.473	18.211	27.909	30.777
1909	280.30572	21.08798	19.940	18.498	17.823	17.540	17.413	280.30050	21.09240	19.954	18.491	17.828	17.543	17.441	23.664	312.274
1910	280.30874	17.91609	20.906	19.493	18.684	18.337	18.099	280.31434	17.91772	20.935	19.485	18.699	18.344	18.128	20.074	73.032
1911	280.36381	40.93758	19.927	18.665	18.161	18.010	17.913	280.36851	40.94265	19.932	18.658	18.189	18.006	17.914	22.289	34.972
1912	280.44926	17.56219	20.948	18.823	17.888	17.461	17.182	280.44419	17.56505	20.968	18.820	17.896	17.468	17.192	20.239	300.613
1913	280.51547	18.03236	20.565	18.732	17.847	17.511	17.265	280.51062	18.03001	20.548	18.720	17.849	17.521	17.252	18.617	243.03
1914	280.53484	16.94732	19.676	17.547	16.675	16.260	16.073	280.53321	16.95421	19.653	17.562	16.688	16.281	16.075	25.434	347.225
1915	280.58627	21.25262	20.607	18.931	18.204	17.956	17.772	280.59404	21.25366	20.619	18.921	18.218	17.977	17.799	26.314	81.803
1916	280.64988	20.78298	19.674	18.235	17.632	17.363	17.226	280.64347	20.78074	19.702	18.257	17.643	17.375	17.226	23.038	249.525
1917	280.67936	20.06244	20.045	18.426	17.769	17.528	17.391	280.68083	20.06373	20.028	18.426	17.793	17.522	17.403	6.796	46.895
1918	280.73017	20.82224	19.706	17.967	17.295	16.975	16.814	280.73074	20.82965	19.691	17.993	17.304	17.000	16.843	26.741	4.116
1919	280.79506	19.88415	19.040	17.278	16.499	16.193	16.015	280.79384	19.88020	19.056	17.274	16.500	16.212	16.030	14.809	196.148
1920	280.82681	20.18511	20.143	18.554	17.841	17.576	17.430	280.82820	20.17831	20.115	18.571	17.861	17.593	17.417	24.928	169.105
1921	280.86008	17.93613	19.572	17.704	16.919	16.538	16.368	280.85897	17.92855	19.558	17.705	16.943	16.531	16.387	27.544	187.96
1922	280.89871	19.03613	21.172	19.416	18.663	18.348	18.123	280.90192	19.03664	21.178	19.401	18.689	18.373	18.150	11.086	80.448
1923	280.97020	20.61103	21.086	19.454	18.732	18.449	18.258	280.97567	20.61278	21.066	19.464	18.734	18.429	18.262	19.482	71.093
1924	280.98562	17.33513	20.881	19.386	18.570	18.217	17.907	280.98691	17.33197	20.864	19.379	18.598	18.229	17.900	12.236	158.647
1925	280.98845	20.03687	19.901	18.070	17.316	17.019	16.838	280.98330	20.04107	19.891	18.083	17.319	16.997	16.823	23.068	310.997
1926	281.01609	18.09148	20.524	18.884	18.135	17.813	17.614	281.02134	18.08764	20.549	18.902	18.138	17.811	17.629	22.663	127.576
1927	281.02977	20.84625	18.994	17.114	16.344	16.050	15.893	281.03181	20.84201	18.979	17.128	16.348	16.039	15.878	16.72	155.747
1928	281.04512	19.22688	17.454	15.678	14.913	14.657	14.462	281.04864	19.22516	17.450	15.685	14.935	14.682	14.482	13.485	117.352
1929	281.07299	18.10121	18.043	16.528	15.821	15.498	15.331	281.07241	18.09835	18.018	16.501	15.830	15.522	15.359	10.494	190.833
1930	281.07967	19.10107	16.731	15.342	14.793	14.580	14.473	281.08350	19.10792	16.753	15.351	14.816	14.591	14.487	27.888	27.826
1931	281.08902	21.10653	20.746	19.217	18.617	18.370	18.223	281.09109	21.10785	20.775	19.190	18.646	18.360	18.229	8.419	55.496

1932	281.09154	18.97797	18.837	16.931	16.115	15.796	15.612	281.08928	18.97980	18.825	16.935	16.125	15.788	15.607	10.131	310.512
1933	281.15352	18.95894	20.773	19.139	18.302	17.945	17.717	281.15847	18.95723	20.752	19.124	18.310	17.938	17.698	17.945	110.115
1934	281.15415	19.58644	20.369	18.753	17.992	17.659	17.463	281.15761	19.58580	20.353	18.748	18.006	17.642	17.466	11.96	101.063
1935	281.16019	40.02937	17.640	16.318	15.844	15.669	15.622	281.15340	40.03586	17.637	16.324	15.860	15.694	15.634	29.932	321.285
1936	281.19310	18.98510	21.341	19.395	18.549	18.193	17.948	281.18596	18.98399	21.362	19.408	18.555	18.187	17.977	24.649	260.722
1937	281.21358	19.53350	19.712	18.114	17.376	17.051	16.883	281.20696	19.52850	19.708	18.127	17.383	17.059	16.872	28.769	231.339
1938	281.21620	21.02663	19.195	17.906	17.324	17.057	16.981	281.21224	21.02859	19.218	17.906	17.336	17.037	16.975	15.041	297.893
1939	281.28087	19.41609	20.566	18.944	18.306	18.078	17.830	281.27598	19.41720	20.538	18.964	18.330	18.101	17.834	17.065	283.497
1940	281.31904	17.63938	20.654	18.887	18.035	17.657	17.437	281.31927	17.64097	20.663	18.860	18.057	17.674	17.437	5.793	7.784
1941	281.34237	20.30316	20.598	18.450	17.526	17.185	16.988	281.34852	20.30281	20.597	18.441	17.528	17.198	16.983	20.792	93.491
1942	281.37782	20.99919	20.106	18.501	17.830	17.546	17.450	281.37825	21.00478	20.135	18.529	17.845	17.569	17.447	20.16	4.084
1943	281.40994	19.42138	18.553	16.884	16.148	15.857	15.738	281.41204	19.42534	18.578	16.904	16.163	15.869	15.752	15.918	26.564
1944	281.42133	19.76843	20.747	18.825	17.979	17.655	17.465	281.42398	19.76061	20.733	18.842	18.005	17.677	17.494	29.536	162.294
1945	281.42933	17.72949	20.956	19.096	18.267	17.865	17.696	281.42658	17.73508	20.939	19.099	18.292	17.867	17.687	22.223	334.911
1946	281.43387	18.27211	19.310	17.474	16.685	16.399	16.217	281.42517	18.27253	19.330	17.497	16.699	16.401	16.214	29.806	272.888
1947	281.49215	19.70812	20.472	18.936	18.211	17.864	17.708	281.49897	19.70581	20.475	18.934	18.220	17.887	17.689	24.55	109.775
1948	281.55702	18.37821	20.130	18.142	17.272	16.927	16.750	281.56299	18.38047	20.123	18.125	17.282	16.931	16.763	21.982	68.235
1949	281.60619	19.86285	21.164	19.290	18.418	18.073	17.846	281.60021	19.86359	21.167	19.280	18.421	18.079	17.849	20.42	277.494
1950	281.61620	20.32741	20.467	18.880	18.180	17.902	17.690	281.61898	20.31989	20.483	18.879	18.186	17.915	17.710	28.641	160.901
1951	281.64419	41.16777	21.253	19.240	18.448	18.153	18.010	281.63599	41.16399	21.280	19.232	18.456	18.172	18.006	26.033	238.528
1952	281.68726	20.74646	20.765	19.198	18.602	18.355	18.202	281.68032	20.74677	20.749	19.185	18.612	18.355	18.232	23.383	272.713
1953	281.68948	20.69638	20.925	19.441	18.720	18.459	18.309	281.69164	20.69734	20.952	19.420	18.740	18.459	18.297	8.05	64.63
1954	281.70620	19.46429	21.449	19.615	18.782	18.373	18.227	281.70296	19.46688	21.452	19.590	18.789	18.357	18.204	14.412	310.15
1955	281.74680	20.80383	21.348	19.165	18.274	17.928	17.765	281.75407	20.80467	21.335	19.162	18.291	17.952	17.747	24.674	82.981
1956	281.75054	19.59359	20.538	18.618	17.669	17.305	17.093	281.75462	19.58950	20.520	18.597	17.680	17.302	17.087	20.205	136.811
1957	281.75923	18.45001	20.868	19.038	18.201	17.898	17.679	281.75884	18.45725	20.870	19.035	18.224	17.920	17.665	26.109	357.039
1958	281.77937	19.69797	20.770	18.893	17.938	17.490	17.222	281.77916	19.70065	20.742	18.876	17.947	17.476	17.209	9.697	355.801
1959	281.91512	18.21846	20.661	18.813	18.013	17.659	17.488	281.91130	18.21665	20.689	18.806	18.020	17.666	17.493	14.583	243.508
1960	281.97405	19.88536	18.389	16.811	16.152	15.898	15.729	281.97115	19.88869	18.401	16.824	16.161	15.914	15.742	15.493	320.689
1961	281.99049	18.34405	19.966	18.385	17.721	17.364	17.246	281.99206	18.34151	19.956	18.395	17.725	17.355	17.262	10.621	149.634
1962	282.04020	19.67854	20.469	18.873	18.094	17.763	17.511	282.04469	19.67480	20.461	18.894	18.116	17.748	17.541	20.325	131.513
1963	282.05859	18.81755	20.409	18.606	17.851	17.510	17.328	282.05414	18.82445	20.426	18.629	17.878	17.525	17.314	29.103	328.631
1964	282.10714	20.05104	19.058	17.402	16.698	16.336	16.141	282.10970	20.04450	19.083	17.414	16.699	16.347	16.171	25.088	159.794
1965	282.10812	18.21899	20.896	19.187	18.326	18.039	17.839	282.10871	18.22358	20.904	19.207	18.342	18.063	17.859	16.635	6.96
1966	282.17609	18.01353	21.138	19.273	18.494	18.140	17.982	282.17619	18.01025	21.158	19.274	18.519	18.128	17.962	11.806	178.202
1967	282.18138	18.49979	20.873	19.187	18.487	18.196	18.012	282.18111	18.50502	20.844	19.213	18.501	18.176	18.000	18.841	357.228
1968	282.19180	18.28225	20.721	18.943	18.194	17.887	17.710	282.18663	18.27564	20.698	18.918	18.196	17.900	17.737	29.641	216.585
1969	282.21127	18.76048	20.772	19.007	18.228	17.836	17.665	282.20814	18.75347	20.752	19.001	18.239	17.841	17.675	27.425	202.953

1970	282.21504	63.74952	19.838	18.721	18.322	18.229	18.190	282.22907	63.74427	19.813	18.750	18.352	18.220	18.194	29.256	130.241
1971	282.21809	39.77353	18.887	17.279	16.688	16.482	16.377	282.21661	39.78097	18.913	17.296	16.711	16.508	16.393	27.09	351.296
1972	282.23077	20.41829	19.860	18.216	17.467	17.158	16.996	282.23098	20.42489	19.862	18.202	17.472	17.164	16.974	23.786	1.7
1973	282.28150	18.33395	20.691	19.001	18.258	17.962	17.795	282.28361	18.32935	20.672	19.029	18.272	17.972	17.791	18.048	156.439
1974	282.28184	18.77924	21.484	19.726	18.853	18.431	18.192	282.28341	18.77375	21.499	19.705	18.856	18.430	18.218	20.484	164.92
1975	282.28380	18.89167	20.255	18.719	17.979	17.705	17.486	282.27622	18.88826	20.268	18.737	17.990	17.722	17.503	28.574	244.568
1976	282.28442	18.86155	21.126	19.207	18.340	18.040	17.815	282.28731	18.86278	21.102	19.230	18.343	18.060	17.842	10.786	65.744
1977	282.30554	20.15909	19.994	18.122	17.330	16.999	16.879	282.30418	20.16240	19.982	18.143	17.359	17.011	16.853	12.755	338.934
1978	282.35684	18.86908	20.194	18.629	17.837	17.540	17.326	282.36052	18.86386	20.201	18.636	17.854	17.549	17.327	22.586	146.3
1979	282.38397	18.87256	21.904	20.105	19.302	18.973	18.763	282.38514	18.87040	21.876	20.109	19.308	18.993	18.738	8.746	152.851
1980	282.44608	20.73415	20.244	18.542	17.691	17.339	17.212	282.45128	20.73895	20.258	18.555	17.715	17.314	17.202	24.609	45.425
1981	282.45831	18.70163	21.143	19.341	18.542	18.281	18.043	282.45727	18.70802	21.118	19.354	18.552	18.294	18.017	23.271	351.257
1982	282.60289	20.92293	18.025	16.256	15.570	15.330	15.214	282.59856	20.93008	18.025	16.271	15.575	15.317	15.197	29.583	330.474
1983	282.67535	18.81006	21.888	19.599	18.603	18.193	18.059	282.67505	18.81099	21.869	19.612	18.631	18.220	18.065	3.49	343.021
1984	282.72474	18.33702	21.104	18.766	17.789	17.367	17.116	282.72694	18.34116	21.094	18.790	17.812	17.385	17.101	16.677	26.769
1985	282.77606	19.58545	20.338	18.590	17.759	17.397	17.194	282.78087	19.58710	20.356	18.586	17.772	17.396	17.176	17.366	70.051
1986	282.79157	18.43043	21.528	19.575	18.751	18.392	18.183	282.78934	18.43223	21.520	19.590	18.754	18.372	18.182	9.999	310.467
1987	282.80676	20.14421	19.742	17.785	16.877	16.561	16.312	282.80094	20.14689	19.729	17.768	16.890	16.577	16.320	21.921	296.181
1988	282.86218	20.35923	20.878	18.850	17.997	17.700	17.525	282.86542	20.36529	20.869	18.834	18.012	17.689	17.503	24.405	26.623
1989	282.90304	21.67359	20.765	18.878	18.104	17.862	17.747	282.90437	21.68093	20.761	18.897	18.133	17.882	17.725	26.814	9.535
1990	282.90583	17.81493	18.572	17.022	16.415	16.117	15.971	282.90366	17.81675	18.581	17.046	16.426	16.129	15.994	9.917	311.459
1991	282.94150	20.16443	20.738	18.799	17.966	17.544	17.368	282.94683	20.16750	20.753	18.795	17.968	17.553	17.370	21.139	58.491
1992	282.98173	21.12013	17.862	16.222	15.560	15.317	15.169	282.98619	21.12637	17.835	16.222	15.574	15.294	15.170	26.984	33.706
1993	282.99911	39.65774	16.486	15.125	14.580	14.387	14.321	283.00046	39.65368	16.495	15.137	14.596	14.402	14.338	15.101	165.714
1994	283.06418	18.84052	20.898	18.964	18.133	17.795	17.578	283.07015	18.83935	20.910	18.985	18.151	17.791	17.571	20.772	101.768
1995	283.12066	19.22916	20.628	18.877	18.067	17.810	17.637	283.11431	19.22409	20.599	18.897	18.074	17.834	17.639	28.256	229.78
1996	283.12682	18.73471	20.465	18.751	17.974	17.613	17.407	283.12128	18.74056	20.464	18.731	17.990	17.614	17.402	28.279	318.105
1997	283.14517	18.26360	20.035	18.373	17.645	17.333	17.188	283.15346	18.26224	20.026	18.390	17.650	17.345	17.206	28.75	99.811
1998	283.18200	18.82407	19.977	18.124	17.291	16.942	16.732	283.18525	18.82825	19.956	18.144	17.310	16.947	16.715	18.702	36.338
1999	283.28053	18.67934	21.348	19.493	18.677	18.315	18.105	283.27597	18.68282	21.319	19.499	18.697	18.294	18.078	19.958	308.836
2000	283.40149	19.86483	21.563	19.962	19.226	18.937	18.735	283.39639	19.86020	21.578	19.980	19.253	18.936	18.719	23.992	226.068
2001	283.43908	18.12154	21.115	18.942	18.011	17.567	17.343	283.43925	18.12430	21.100	18.938	18.025	17.582	17.353	9.973	3.306
2002	283.49467	18.41842	21.157	19.054	18.201	17.773	17.620	283.49182	18.41405	21.169	19.081	18.202	17.779	17.646	18.51	211.725
2003	283.51814	21.43833	19.533	17.694	16.908	16.549	16.393	283.51007	21.44099	19.504	17.713	16.912	16.523	16.389	28.71	289.513
2004	283.58112	21.68480	20.621	19.100	18.409	18.132	17.919	283.57580	21.68000	20.619	19.110	18.428	18.141	17.940	24.824	225.8
2005	283.63110	18.68417	20.271	18.755	18.057	17.842	17.659	283.62823	18.68392	20.279	18.744	18.074	17.858	17.677	9.85	264.749
2006	283.64975	19.12952	20.099	18.191	17.397	17.091	16.945	283.65554	19.13575	20.092	18.187	17.404	17.092	16.937	29.857	41.26
2007	283.67781	22.33530	20.845	18.715	17.654	17.217	16.923	283.67427	22.32883	20.850	18.724	17.656	17.226	16.934	26.092	206.835

2008	283.70067	22.28244	19.477	17.826	17.063	16.719	16.531	283.70641	22.28112	19.495	17.812	17.067	16.726	16.549	19.708	103.916
2009	283.71981	19.57894	21.151	18.921	17.989	17.606	17.376	283.71321	19.57686	21.150	18.934	18.011	17.613	17.401	23.618	251.524
2010	283.73215	20.19578	21.203	19.065	18.182	17.853	17.611	283.72907	20.19968	21.193	19.086	18.210	17.859	17.625	17.46	323.393
2011	283.78270	20.72810	19.971	18.250	17.510	17.217	17.009	283.78335	20.73191	19.965	18.251	17.529	17.223	17.005	13.894	9.079
2012	283.79364	19.20514	20.201	18.546	17.803	17.440	17.272	283.79316	19.20188	20.196	18.558	17.807	17.451	17.278	11.844	187.901
2013	283.86265	20.70414	19.171	17.561	16.851	16.534	16.286	283.86289	20.70285	19.148	17.552	16.867	16.547	16.307	4.737	169.879
2014	283.88677	18.37314	21.822	20.047	19.170	18.804	18.547	283.88782	18.37407	21.818	20.076	19.176	18.804	18.565	4.925	46.822
2015	283.91665	20.75623	20.948	19.328	18.472	18.220	17.979	283.91528	20.76361	20.939	19.355	18.496	18.210	17.996	26.989	350.165
2016	283.93883	19.79147	20.635	19.116	18.446	18.148	18.016	283.93080	19.78838	20.633	19.133	18.467	18.145	18.008	29.403	247.747
2017	283.97230	21.34268	20.139	18.396	17.667	17.459	17.284	283.97524	21.34331	20.147	18.394	17.679	17.475	17.262	10.109	77.085
2018	284.01372	19.17121	20.729	19.300	18.595	18.352	18.150	284.01351	19.17359	20.750	19.291	18.620	18.360	18.158	8.602	355.225
2019	284.08072	19.66119	21.633	19.615	18.717	18.330	18.159	284.08581	19.66647	21.620	19.641	18.723	18.315	18.136	25.654	42.234
2020	284.08565	21.43694	19.229	17.604	16.907	16.633	16.437	284.08893	21.44343	19.216	17.597	16.928	16.648	16.467	25.852	25.201
2021	284.10450	20.27930	19.821	16.554	15.144	14.522	14.117	284.10446	20.28218	19.834	16.573	15.152	14.528	14.121	10.369	359.369
2022	284.14675	17.95723	21.016	19.090	18.204	17.912	17.681	284.14766	17.95196	21.026	19.094	18.215	17.919	17.710	19.222	170.644
2023	284.17471	22.56416	20.814	18.918	18.094	17.670	17.443	284.17319	22.57217	20.825	18.917	18.122	17.696	17.452	29.297	350.067
2024	284.20791	19.75630	19.931	18.264	17.540	17.222	17.042	284.21645	19.75721	19.936	18.274	17.546	17.243	17.045	29.123	83.472
2025	284.22289	18.46126	20.427	18.516	17.640	17.269	17.042	284.22451	18.45626	20.406	18.533	17.661	17.287	17.039	18.809	162.909
2026	284.23701	19.61705	21.305	18.796	17.623	17.126	16.841	284.23315	19.62173	21.291	18.771	17.645	17.129	16.814	21.348	322.13
2027	284.28211	20.04925	21.349	19.791	19.027	18.756	18.587	284.28718	20.05109	21.378	19.767	19.043	18.734	18.580	18.366	68.956
2028	284.29078	22.20072	21.277	19.043	18.098	17.636	17.346	284.29649	22.20255	21.304	19.033	18.127	17.637	17.352	20.14	70.93
2029	284.32519	20.59735	20.087	18.021	17.125	16.738	16.487	284.32966	20.60190	20.104	18.016	17.142	16.735	16.486	22.272	42.606
2030	284.39022	19.52883	21.685	19.971	19.236	18.875	18.779	284.39521	19.52853	21.678	19.976	19.249	18.893	18.775	16.948	93.702
2031	284.39773	19.66678	20.229	18.362	17.572	17.259	17.097	284.39788	19.66117	20.202	18.367	17.594	17.280	17.111	20.224	178.558
2032	284.41108	19.51597	20.515	18.973	18.234	17.886	17.742	284.41403	19.51662	20.530	18.994	18.261	17.898	17.724	10.256	76.91
2033	284.42583	20.61129	21.266	19.013	18.024	17.538	17.222	284.42131	20.61750	21.263	19.038	18.028	17.546	17.241	27.05	325.758
2034	284.43315	21.78605	20.369	18.613	17.853	17.568	17.447	284.43165	21.79193	20.375	18.630	17.863	17.563	17.423	21.756	346.65
2035	284.48563	20.69977	20.946	18.864	17.857	17.456	17.188	284.48788	20.69702	20.926	18.869	17.869	17.440	17.177	12.483	142.5
2036	284.56788	18.95490	20.334	18.411	17.381	16.939	16.668	284.56123	18.95075	20.334	18.422	17.398	16.942	16.673	27.128	236.59
2037	284.59765	21.76575	20.276	18.344	17.515	17.221	17.026	284.59591	21.76354	20.275	18.329	17.526	17.210	17.016	9.863	216.315
2038	284.60801	40.91062	19.756	18.195	17.560	17.310	17.161	284.61560	40.90579	19.749	18.205	17.562	17.309	17.186	27.003	130.176
2039	284.69696	40.93271	19.336	18.112	17.649	17.462	17.351	284.69745	40.93353	19.357	18.125	17.651	17.433	17.333	3.246	24.684
2040	284.72843	20.27784	20.859	19.042	18.326	17.849	17.645	284.72493	20.27194	20.859	19.065	18.336	17.863	17.654	24.306	209.048
2041	284.74526	18.51633	20.386	18.466	17.509	17.037	16.771	284.74698	18.51210	20.395	18.490	17.530	17.040	16.771	16.329	158.935
2042	284.98555	21.55461	21.560	19.556	18.610	18.179	17.896	284.98783	21.54732	21.565	19.578	18.624	18.174	17.892	27.33	163.803
2043	285.01825	20.41281	20.367	18.152	17.146	16.648	16.354	285.02156	20.41204	20.346	18.127	17.150	16.651	16.365	11.513	104.004
2044	285.07911	22.21943	20.730	18.896	17.953	17.486	17.189	285.07407	22.21423	20.733	18.910	17.965	17.507	17.191	25.155	221.96
2045	285.10936	20.63776	20.858	18.497	17.443	17.050	16.778	285.10605	20.64065	20.874	18.495	17.471	17.033	16.775	15.27	312.978

2046	285.11154	21.22415	16.624	15.021	14.273	13.959	13.811	285.11020	21.22823	16.630	15.015	14.281	13.962	13.796	15.364	342.984
2047	285.16999	21.18629	20.368	18.634	17.818	17.369	17.174	285.17875	21.18566	20.348	18.642	17.822	17.352	17.174	29.487	94.37
2048	285.20754	21.32798	20.763	18.980	18.076	17.720	17.493	285.20570	21.32023	20.784	18.978	18.086	17.743	17.507	28.549	192.501
2049	285.29868	39.64127	17.243	15.866	15.327	15.108	15.002	285.29664	39.64452	17.249	15.865	15.330	15.123	15.027	12.998	334.27
2050	285.31121	38.58705	19.626	17.940	17.300	17.058	17.109	285.30565	38.59130	19.608	17.948	17.305	17.067	17.110	21.887	314.343
2051	285.38435	21.85316	17.070	15.505	14.873	14.597	14.442	285.38514	21.85557	17.062	15.511	14.881	14.615	14.416	9.083	16.841
2052	285.60793	23.53495	19.434	17.767	17.028	16.678	16.502	285.61170	23.53500	19.441	17.794	17.033	16.690	16.491	12.436	89.074
2053	285.64719	23.15566	17.796	16.137	15.286	14.934	14.725	285.64740	23.15651	17.810	16.145	15.315	14.943	14.719	3.146	12.195
2054	285.68491	22.57317	20.839	18.841	17.949	17.475	17.163	285.68233	22.56779	20.810	18.832	17.958	17.461	17.182	21.179	203.877
2055	285.74608	23.82545	20.651	18.638	17.746	17.343	17.141	285.74344	23.81977	20.654	18.624	17.755	17.372	17.141	22.238	203.005
2056	285.83673	23.79159	20.921	18.937	18.064	17.800	17.504	285.83975	23.79149	20.898	18.962	18.086	17.822	17.514	9.936	92.089
2057	286.28198	23.12125	20.541	18.648	17.734	17.311	17.086	286.27479	23.12234	20.528	18.677	17.752	17.301	17.085	24.124	279.367
2058	286.31639	22.08415	21.101	18.808	17.601	16.989	16.560	286.31833	22.08026	21.124	18.835	17.605	16.983	16.581	15.413	155.262
2059	286.34908	38.73853	20.810	19.370	18.764	18.553	18.457	286.35610	38.73835	20.783	19.346	18.773	18.544	18.475	19.732	91.845
2060	286.39212	22.55280	21.439	19.648	18.586	18.121	17.768	286.39334	22.55234	21.422	19.618	18.602	18.113	17.778	4.367	111.984
2061	286.69737	23.74572	21.676	19.708	18.711	18.311	18.101	286.69405	23.74333	21.646	19.698	18.737	18.324	18.096	13.891	231.792
2062	286.99427	24.58767	19.703	17.830	16.982	16.650	16.457	286.99702	24.58223	19.674	17.816	16.987	16.644	16.460	21.563	155.299
2063	287.02145	24.05174	18.749	16.576	15.570	15.145	14.864	287.02773	24.05270	18.724	16.584	15.576	15.166	14.884	20.915	80.514
2064	287.32190	24.38536	17.517	15.951	15.238	14.889	14.708	287.31731	24.38569	17.492	15.948	15.245	14.888	14.703	15.096	274.478
2065	287.44484	24.94759	19.249	17.729	17.006	16.796	16.502	287.44330	24.95217	19.240	17.713	17.021	16.810	16.515	17.232	343.1
2066	287.45133	39.17998	20.700	19.128	18.408	18.135	18.030	287.45097	39.18259	20.705	19.108	18.415	18.111	18.032	9.469	354.056
2067	287.46125	23.84954	21.867	19.453	18.172	17.576	17.184	287.46934	23.84914	21.858	19.433	18.187	17.554	17.160	26.667	93.037
2068	287.50079	25.04893	17.850	16.160	15.412	15.020	14.852	287.50715	25.05259	17.832	16.173	15.435	15.025	14.823	24.566	57.615
2069	287.55962	24.46134	20.547	18.536	17.542	17.104	16.809	287.56822	24.45998	20.525	18.563	17.557	17.119	16.835	28.594	99.82
2070	287.80122	24.53325	21.387	19.385	18.379	17.923	17.671	287.79547	24.53614	21.391	19.360	18.404	17.950	17.681	21.506	298.969
2071	287.89199	24.08784	20.864	18.892	17.873	17.384	17.161	287.89015	24.09545	20.893	18.890	17.878	17.357	17.180	28.02	347.587
2072	288.17371	22.81753	20.065	18.030	17.024	16.554	16.294	288.17605	22.81374	20.093	18.006	17.045	16.581	16.300	15.706	150.301
2073	288.28510	22.92456	19.688	17.846	16.956	16.602	16.356	288.27700	22.92658	19.692	17.822	16.966	16.611	16.363	27.847	285.197
2074	288.40118	37.52390	19.833	18.430	17.902	17.702	17.609	288.40259	37.52483	19.824	18.418	17.913	17.708	17.632	5.226	50.37
2075	288.49486	25.71875	19.201	17.625	16.941	16.588	16.376	288.49116	25.72135	19.178	17.648	16.949	16.584	16.392	15.229	307.992
2076	288.52193	39.69771	18.812	17.294	16.724	16.494	16.402	288.51628	39.70094	18.785	17.298	16.728	16.516	16.412	19.505	306.597
2077	288.67075	25.26088	21.735	19.700	18.727	18.415	18.109	288.67703	25.25965	21.712	19.686	18.731	18.425	18.120	20.91	102.214
2078	288.71000	23.13707	20.591	18.428	17.419	16.960	16.573	288.70451	23.13754	20.564	18.457	17.420	16.931	16.583	18.228	275.342
2079	289.02514	25.96086	20.624	18.533	17.556	17.191	16.888	289.03214	25.95540	20.618	18.523	17.575	17.178	16.861	29.991	130.941
2080	289.22256	39.55738	20.060	18.641	18.111	17.907	17.774	289.23114	39.55893	20.086	18.665	18.118	17.916	17.775	24.469	76.775
2081	289.27369	63.12490	19.326	17.949	17.416	17.239	17.189	289.28525	63.12937	19.353	17.953	17.426	17.231	17.209	24.757	49.46
2082	289.58901	37.12351	19.773	18.420	17.887	17.715	17.578	289.58543	37.11692	19.770	18.424	17.894	17.734	17.599	25.828	203.403
2083	289.67713	37.51659	20.908	19.267	18.584	18.325	18.149	289.68079	37.52054	20.885	19.285	18.594	18.322	18.169	17.624	36.324

2084	289.86049	23.92918	21.725	19.356	18.043	17.472	17.086	289.85878	23.93178	21.753	19.331	18.048	17.471	17.069	10.921	328.972
2085	289.98704	25.59150	20.068	18.322	17.433	17.079	16.890	289.99325	25.58643	20.088	18.295	17.447	17.109	16.905	27.201	132.129
2086	290.03081	26.22591	19.311	17.576	16.730	16.439	16.198	290.03528	26.23205	19.285	17.585	16.751	16.446	16.202	26.399	33.136
2087	290.13877	37.78667	19.996	18.045	17.350	17.121	16.976	290.13886	37.78336	20.008	18.062	17.368	17.141	16.986	11.929	178.694
2088	290.19822	37.70396	19.733	17.835	17.143	16.934	16.802	290.20750	37.70666	19.756	17.844	17.161	16.927	16.821	28.18	69.799
2089	290.50214	36.66880	19.458	18.069	17.514	17.301	17.222	290.49663	36.66289	19.445	18.080	17.531	17.322	17.224	26.571	216.843
2090	290.54344	36.59115	20.923	19.176	18.537	18.344	18.176	290.54621	36.59063	20.899	19.159	18.556	18.344	18.191	8.205	103.326
2091	290.58937	-6.20623	19.277	17.706	16.937	16.616	16.415	290.58938	-6.20825	19.304	17.718	16.939	16.615	16.401	7.278	179.637
2092	290.88077	36.89820	21.541	19.133	17.970	17.502	17.206	290.87676	36.90420	21.542	19.131	17.978	17.508	17.187	24.505	331.921
2093	290.89451	38.88120	19.453	17.959	17.416	17.199	17.118	290.89586	38.88575	19.449	17.964	17.423	17.204	17.147	16.799	12.998
2094	291.15761	37.72586	19.138	17.493	16.872	16.669	16.541	291.15566	37.72327	19.141	17.497	16.872	16.672	16.559	10.834	210.849
2095	291.24157	38.61291	19.546	18.128	17.588	17.417	17.315	291.24154	38.61480	19.564	18.141	17.600	17.434	17.339	6.79	359.305
2096	291.26683	37.81143	20.009	18.309	17.624	17.394	17.251	291.25877	37.81261	20.020	18.307	17.650	17.405	17.268	23.32	280.519
2097	291.27516	36.93246	21.026	19.472	18.930	18.744	18.696	291.28285	36.93246	21.031	19.497	18.932	18.766	18.714	22.124	90.059
2098	291.29014	36.33416	20.350	18.781	18.168	17.893	17.791	291.29594	36.33398	20.337	18.781	18.170	17.912	17.786	16.835	92.248
2099	291.75548	37.99662	19.903	18.431	17.876	17.652	17.546	291.76427	37.99280	19.922	18.407	17.882	17.666	17.550	28.47	118.89
2100	291.80635	38.11494	20.552	19.040	18.468	18.260	18.138	291.80068	38.12052	20.564	19.052	18.491	18.258	18.161	25.7	321.395
2101	291.89971	38.36381	20.294	18.754	18.151	17.887	17.807	291.90118	38.35686	20.288	18.768	18.172	17.907	17.819	25.367	170.588
2102	291.90046	37.01391	20.673	18.902	18.208	17.931	17.820	291.89155	37.01478	20.656	18.918	18.226	17.944	17.803	25.813	276.976
2103	291.99497	37.35942	19.367	18.061	17.561	17.342	17.231	291.99524	37.36547	19.395	18.045	17.567	17.335	17.252	21.781	1.995
2104	292.43608	35.94468	20.379	18.864	18.327	18.158	18.097	292.43303	35.94695	20.388	18.894	18.333	18.149	18.069	12.057	312.601
2105	292.54865	37.74418	18.585	16.964	16.348	16.134	16.021	292.54948	37.73641	18.590	16.991	16.377	16.163	16.048	28.042	175.203
2106	292.60066	35.71364	17.089	15.800	15.323	15.186	15.113	292.59439	35.70871	17.101	15.783	15.338	15.176	15.111	25.503	225.901
2107	292.62748	36.66904	19.366	18.007	17.489	17.312	17.275	292.63211	36.67372	19.381	17.988	17.502	17.341	17.281	21.493	38.472
2108	292.70001	37.14153	20.750	19.259	18.674	18.448	18.281	292.70456	37.13754	20.765	19.262	18.688	18.432	18.298	19.399	137.719
2109	292.70273	61.10395	20.033	18.913	18.514	18.341	18.295	292.70368	61.09837	20.028	18.885	18.520	18.363	18.269	20.162	175.295
2110	292.70841	62.72482	18.563	17.089	16.542	16.353	16.303	292.70579	62.72776	18.541	17.100	16.545	16.342	16.297	11.456	337.805
2111	292.87569	37.14149	20.323	18.145	17.356	17.042	16.869	292.87991	37.14806	20.332	18.171	17.381	17.071	16.895	26.566	27.131
2112	292.97357	36.94314	19.300	17.896	17.358	17.120	17.059	292.97739	36.94979	19.300	17.902	17.360	17.139	17.076	26.352	24.66
2113	292.97772	35.55423	20.715	19.246	18.690	18.466	18.376	292.97466	35.55833	20.713	19.220	18.717	18.489	18.397	17.289	328.719
2114	292.97981	36.03737	18.835	17.422	16.919	16.734	16.622	292.98304	36.03331	18.821	17.426	16.928	16.714	16.628	17.383	147.3
2115	293.07564	36.54169	19.429	17.807	17.201	16.988	16.899	293.07795	36.53663	19.410	17.816	17.222	17.000	16.910	19.415	159.845
2116	293.28146	36.98216	18.140	15.861	14.988	14.654	14.449	293.28631	36.97828	18.116	15.881	14.997	14.664	14.461	19.713	134.985
2117	293.35257	62.31260	20.961	19.864	19.354	19.183	19.180	293.35369	62.32072	20.967	19.841	19.375	19.211	19.175	29.294	3.664
2118	293.55971	36.45746	19.090	17.342	16.691	16.455	16.339	293.55022	36.46054	19.084	17.348	16.707	16.483	16.342	29.641	291.943
2119	293.63075	36.85173	19.142	16.778	15.843	15.499	15.294	293.63194	36.84515	19.149	16.770	15.858	15.509	15.286	23.933	171.818
2120	293.63744	35.24470	20.235	18.671	18.177	17.901	17.816	293.62957	35.24818	20.207	18.689	18.194	17.902	17.830	26.308	298.428
2121	293.75595	35.83105	20.733	18.838	18.169	17.877	17.775	293.75751	35.83842	20.707	18.823	18.171	17.890	17.746	26.898	9.724

2122	293.84042	35.16962	19.272	17.865	17.378	17.143	17.106	293.83047	35.17097	19.285	17.857	17.393	17.157	17.123	29.683	279.44
2123	293.89200	37.64962	20.130	18.323	17.598	17.338	17.148	293.88910	37.64858	20.138	18.334	17.619	17.340	17.145	9.096	245.567
2124	293.90654	37.13322	19.614	18.187	17.663	17.504	17.420	293.90665	37.13816	19.589	18.203	17.679	17.490	17.433	17.755	0.998
2125	293.99239	36.12339	19.216	17.816	17.313	17.138	17.053	293.99284	36.12799	19.217	17.825	17.332	17.143	17.081	16.592	4.565
2126	294.08559	37.50997	19.919	18.035	17.326	17.177	16.972	294.08786	37.51276	19.897	18.023	17.340	17.162	16.947	11.953	32.788
2127	294.20410	35.58036	19.023	17.534	16.982	16.734	16.626	294.19890	35.58674	19.006	17.545	17.007	16.728	16.634	27.569	326.514
2128	294.26836	37.07508	19.595	18.247	17.712	17.533	17.421	294.26332	37.07496	19.575	18.222	17.720	17.547	17.424	14.492	268.309
2129	294.31146	36.12388	20.765	19.232	18.664	18.403	18.348	294.31490	36.13098	20.740	19.238	18.671	18.429	18.347	27.464	21.391
2130	294.40112	36.98941	20.466	18.912	18.207	17.971	17.825	294.39473	36.98891	20.448	18.913	18.214	17.955	17.829	18.468	264.477
2131	294.43460	35.85037	20.535	18.631	17.929	17.627	17.439	294.44188	35.84655	20.516	18.624	17.930	17.633	17.468	25.316	122.929
2132	294.64680	36.77508	18.843	17.482	16.986	16.739	16.630	294.65028	36.77416	18.831	17.495	16.990	16.741	16.620	10.549	108.397
2133	294.94255	36.27103	19.153	17.801	17.213	16.984	16.916	294.94946	36.27219	19.158	17.815	17.233	16.999	16.893	20.508	78.192
2134	295.33584	36.48780	17.750	16.253	15.614	15.381	15.199	295.33721	36.48496	17.757	16.278	15.616	15.378	15.197	10.947	158.766
2135	295.53989	35.41813	21.383	19.690	18.982	18.748	18.630	295.53624	35.41953	21.380	19.700	19.004	18.764	18.619	11.847	295.335
2136	295.55846	36.95887	21.562	19.331	18.463	18.115	17.930	295.55367	36.95774	21.555	19.358	18.480	18.119	17.925	14.382	253.61
2137	296.01848	36.28649	21.621	19.204	18.060	17.502	17.194	296.02465	36.28090	21.632	19.187	18.064	17.507	17.216	26.95	138.388
2138	296.38061	36.00555	18.886	17.330	16.695	16.434	16.214	296.37300	36.00136	18.872	17.339	16.711	16.422	16.230	26.811	235.71
2139	296.38401	60.97325	19.617	18.386	17.902	17.767	17.726	296.37512	60.97145	19.601	18.405	17.928	17.785	17.698	16.826	247.382
2140	296.39128	61.50852	19.322	18.182	17.753	17.622	17.591	296.37957	61.50735	19.334	18.172	17.762	17.643	17.598	20.551	258.193
2141	296.42844	36.57514	18.538	16.801	16.011	15.773	15.506	296.43093	36.58138	18.555	16.806	16.017	15.782	15.491	23.575	17.776
2142	296.45492	62.57203	19.879	18.425	17.849	17.674	17.627	296.43786	62.57119	19.890	18.447	17.855	17.680	17.617	28.441	263.902
2143	296.61880	62.51314	20.234	18.470	17.725	17.480	17.384	296.61635	62.51999	20.222	18.443	17.728	17.481	17.375	24.97	350.608
2144	296.91023	60.95404	19.392	17.780	17.165	16.991	16.890	296.90851	60.95608	19.373	17.754	17.167	16.980	16.894	7.931	337.748
2145	297.29634	-10.65085	19.121	17.574	16.955	16.568	16.349	297.29659	-10.65715	19.142	17.596	16.956	16.573	16.338	22.702	177.82
2146	297.31767	11.41680	19.157	17.538	16.812	16.492	16.313	297.31013	11.41608	19.160	17.537	16.817	16.511	16.333	26.746	264.455
2147	297.47543	10.50939	18.486	16.808	16.011	15.688	15.489	297.47325	10.51019	18.507	16.789	16.018	15.714	15.516	8.208	290.58
2148	297.48283	12.06939	19.880	18.374	17.702	17.502	17.320	297.48621	12.06757	19.870	18.376	17.711	17.503	17.323	13.575	118.858
2149	297.55375	10.23011	21.627	19.783	18.762	18.559	18.237	297.54786	10.23056	21.598	19.782	18.786	18.544	18.211	20.928	274.371
2150	297.73131	10.94887	20.684	19.064	18.450	17.997	17.853	297.73198	10.94094	20.707	19.093	18.467	18.023	17.872	28.642	175.245
2151	297.77648	10.22396	19.629	17.960	17.202	16.918	16.760	297.77676	10.23152	19.614	17.966	17.213	16.902	16.746	27.248	2.104
2152	297.81355	9.97616	19.474	17.925	17.220	16.884	16.693	297.80932	9.98194	19.502	17.938	17.237	16.862	16.709	25.614	324.238
2153	297.83281	10.27578	20.977	19.160	18.283	17.937	17.713	297.82822	10.27118	20.949	19.149	18.289	17.929	17.736	23.212	224.57
2154	297.84716	10.05434	21.549	19.496	18.678	18.223	18.020	297.85469	10.05311	21.542	19.472	18.705	18.230	18.020	27.045	99.441
2155	297.85632	10.20828	21.177	19.364	18.529	18.241	18.022	297.85377	10.20121	21.178	19.365	18.558	18.224	18.046	27.019	199.514
2156	297.89912	-0.99287	20.241	18.439	17.626	17.583	16.938	297.90651	-0.99615	20.231	18.425	17.641	17.593	16.953	29.103	113.877
2157	297.91902	10.36115	20.515	18.780	18.063	17.730	17.555	297.92381	10.35529	20.488	18.774	18.074	17.756	17.539	27.076	141.182
2158	297.98759	10.66204	21.497	19.823	19.131	18.843	18.610	297.99102	10.66264	21.495	19.833	19.132	18.825	18.599	12.338	79.815
2159	298.14005	11.93090	19.988	18.313	17.598	17.316	17.183	298.13579	11.93397	20.017	18.309	17.615	17.339	17.179	18.653	306.3

2160	298.19457	9.78130	20.949	19.252	18.548	18.265	18.114	298.20048	9.77583	20.955	19.248	18.570	18.251	18.134	28.772	133.196
2161	298.20471	11.96532	18.605	17.036	16.412	16.205	16.089	298.20835	11.96764	18.624	17.032	16.412	16.214	16.113	15.305	56.947
2162	298.36018	11.96305	18.599	17.012	16.358	16.126	16.007	298.35564	11.96495	18.591	17.020	16.376	16.114	16.022	17.387	293.127
2163	298.38832	10.48700	20.070	18.340	17.494	17.173	16.923	298.39016	10.48603	20.059	18.311	17.512	17.199	16.937	7.391	118.229
2164	298.39846	10.86454	20.868	19.067	18.265	17.951	17.793	298.40387	10.86942	20.872	19.096	18.268	17.926	17.773	25.961	47.423
2165	298.44521	11.22457	20.930	19.230	18.581	18.240	18.130	298.44449	11.23027	20.911	19.215	18.603	18.260	18.153	20.654	353.009
2166	298.45595	10.46615	21.339	19.544	18.698	18.333	18.072	298.46391	10.46781	21.320	19.533	18.714	18.361	18.095	28.827	78.062
2167	298.48507	10.03714	20.766	19.144	18.359	18.074	17.905	298.49248	10.03591	20.775	19.169	18.371	18.087	17.894	26.636	99.575
2168	298.49193	-11.10791	19.773	18.269	17.608	17.326	17.175	298.49384	-11.10177	19.751	18.292	17.630	17.332	17.172	23.104	16.974
2169	298.53529	10.53461	21.807	19.944	19.107	18.723	18.561	298.53105	10.53477	21.815	19.937	19.109	18.744	18.554	15.032	272.262
2170	298.54035	9.66348	19.631	17.971	17.247	16.962	16.823	298.53303	9.66577	19.647	17.971	17.261	16.979	16.851	27.245	287.563
2171	298.58825	11.32482	20.398	18.727	17.989	17.670	17.549	298.59551	11.32538	20.396	18.737	18.005	17.699	17.557	25.723	85.505
2172	298.61087	10.44858	21.597	20.093	19.273	18.899	18.585	298.61353	10.45608	21.597	20.092	19.282	18.889	18.608	28.59	19.204
2173	298.66063	10.75399	20.027	18.346	17.596	17.331	17.161	298.66183	10.75404	20.009	18.335	17.604	17.322	17.156	4.264	87.745
2174	298.70039	-10.76727	20.420	18.940	18.324	18.029	17.887	298.70246	-10.76627	20.395	18.936	18.336	18.024	17.866	8.149	63.838
2175	298.71843	10.62682	19.687	18.203	17.544	17.273	17.144	298.72595	10.63038	19.664	18.224	17.558	17.283	17.157	29.533	64.247
2176	298.72272	10.31985	21.003	19.050	18.067	17.626	17.356	298.72196	10.32498	21.015	19.067	18.070	17.620	17.341	18.679	351.784
2177	298.80400	9.60749	19.540	17.749	17.041	16.769	16.619	298.79881	9.60981	19.539	17.778	17.067	16.789	16.640	20.236	294.368
2178	298.81919	11.66379	20.513	18.810	17.927	17.552	17.299	298.82486	11.66407	20.492	18.791	17.932	17.565	17.292	19.984	87.107
2179	298.83290	-10.48239	20.082	18.708	18.114	17.882	17.747	298.83743	-10.48003	20.097	18.728	18.128	17.896	17.732	18.161	62.123
2180	298.87224	9.55212	19.944	18.052	17.340	17.117	16.987	298.87248	9.54826	19.920	18.057	17.347	17.104	16.996	13.936	176.567
2181	298.89050	10.49557	19.392	17.303	16.290	15.849	15.547	298.88693	10.49396	19.419	17.304	16.297	15.828	15.576	13.915	245.462
2182	298.92902	9.84387	18.879	17.325	16.742	16.506	16.357	298.93385	9.83866	18.890	17.347	16.759	16.526	16.377	25.393	137.586
2183	298.93855	11.35995	20.627	18.708	17.828	17.468	17.285	298.94506	11.35646	20.618	18.733	17.843	17.486	17.296	26.182	118.668
2184	298.99059	9.44939	20.257	18.749	18.141	17.918	17.787	298.99475	9.45519	20.254	18.740	18.151	17.944	17.804	25.591	35.286
2185	299.06621	10.62277	21.477	19.676	18.919	18.666	18.443	299.06881	10.62433	21.467	19.652	18.942	18.670	18.467	10.795	58.608
2186	299.08723	12.05096	19.327	17.810	17.170	16.964	16.828	299.08070	12.05428	19.343	17.808	17.176	16.967	16.824	25.912	297.498
2187	299.13981	10.39131	18.199	16.735	16.152	15.950	15.820	299.13209	10.38929	18.191	16.735	16.175	15.964	15.841	28.274	255.091
2188	299.18960	10.05602	19.925	18.099	17.338	17.042	16.861	299.18747	10.06200	19.906	18.077	17.364	17.062	16.889	22.78	340.674
2189	299.20148	10.88567	20.832	19.141	18.400	18.078	17.895	299.20114	10.88241	20.818	19.113	18.406	18.055	17.911	11.786	185.833
2190	299.20416	-9.54970	18.811	17.449	16.753	16.577	16.418	299.20867	-9.55060	18.835	17.463	16.758	16.575	16.420	16.335	101.337
2191	299.22144	9.52327	19.474	17.927	17.282	17.082	16.944	299.21305	9.52318	19.470	17.910	17.294	17.065	16.950	29.761	269.376
2192	299.24639	9.79601	18.080	16.631	16.083	15.887	15.783	299.24959	9.79592	18.083	16.640	16.105	15.910	15.798	11.381	91.555
2193	299.32179	10.27877	20.010	18.369	17.691	17.439	17.275	299.32545	10.27608	20.028	18.395	17.701	17.428	17.300	16.211	126.764
2194	299.33189	11.68031	19.235	17.613	16.967	16.699	16.572	299.32771	11.67422	19.233	17.604	16.976	16.704	16.583	26.418	213.894
2195	299.34744	10.92226	19.724	18.184	17.524	17.290	17.107	299.35298	10.92237	19.709	18.179	17.533	17.278	17.109	19.581	88.922
2196	299.40837	9.24688	19.475	18.012	17.517	17.231	17.162	299.41144	9.25297	19.478	18.041	17.524	17.236	17.151	24.494	26.462
2197	299.41021	11.37237	20.279	18.744	18.113	17.849	17.710	299.40616	11.36566	20.263	18.754	18.132	17.863	17.719	28.075	210.631

2198	299.41333	11.42915	20.619	19.297	18.690	18.465	18.384	299.41883	11.42476	20.597	19.272	18.707	18.468	18.378	25.05	129.105
2199	299.45777	10.14169	19.924	18.021	17.302	16.983	16.868	299.45858	10.13490	19.908	18.032	17.313	16.996	16.882	24.598	173.269
2200	299.47700	10.29125	20.989	18.921	18.050	17.717	17.513	299.47706	10.29737	20.977	18.934	18.070	17.737	17.531	22.032	0.625
2201	299.47740	10.85657	20.256	18.370	17.620	17.353	17.216	299.48076	10.85329	20.226	18.395	17.636	17.351	17.200	16.752	134.743
2202	299.48637	9.34490	19.615	18.062	17.431	17.167	17.071	299.49248	9.33925	19.626	18.047	17.444	17.171	17.097	29.716	133.146
2203	299.51928	9.78098	21.723	20.109	19.460	19.199	19.094	299.52331	9.78772	21.714	20.134	19.471	19.190	19.111	28.182	30.471
2204	299.53009	10.97984	19.738	18.070	17.411	17.158	17.006	299.53411	10.97639	19.752	18.090	17.440	17.162	17.001	18.867	131.156
2205	299.53513	10.23001	21.574	19.974	19.248	18.969	18.849	299.53118	10.23219	21.583	19.990	19.274	18.995	18.857	16.05	299.256
2206	299.54049	11.09780	20.562	18.199	17.195	16.834	16.634	299.53947	11.09555	20.534	18.205	17.223	16.858	16.654	8.874	204.056
2207	299.54988	10.12679	19.233	17.450	16.678	16.368	16.184	299.55767	10.12752	19.204	17.475	16.686	16.376	16.188	27.735	84.573
2208	299.55571	11.12666	20.793	19.232	18.596	18.391	18.284	299.55954	11.11932	20.781	19.244	18.608	18.368	18.302	29.662	152.913
2209	299.56714	-11.48282	18.152	16.841	16.282	16.050	15.936	299.56375	-11.48974	18.168	16.831	16.293	16.057	15.937	27.611	205.618
2210	299.56879	11.33029	20.463	18.789	18.113	17.907	17.750	299.57582	11.32731	20.446	18.804	18.130	17.908	17.739	27.049	113.373
2211	299.60428	-11.49763	20.884	19.751	19.199	18.964	18.903	299.59943	-11.50026	20.908	19.743	19.219	18.973	18.932	19.557	241.071
2212	299.60640	11.41682	17.529	15.971	15.339	15.114	14.988	299.60078	11.42014	17.517	15.972	15.363	15.120	15.004	23.124	301.117
2213	299.62500	10.18815	19.467	17.690	16.980	16.722	16.576	299.62173	10.19395	19.471	17.712	16.995	16.725	16.558	23.895	330.979
2214	299.63767	-11.61980	16.562	15.115	14.568	14.324	14.204	299.63779	-11.61760	16.555	15.121	14.582	14.345	14.233	7.917	3.056
2215	299.64158	9.25239	20.363	18.926	18.350	18.150	17.998	299.64308	9.24737	20.342	18.956	18.358	18.129	17.980	18.826	163.632
2216	299.65634	10.94062	20.142	18.592	17.949	17.687	17.549	299.66361	10.94067	20.130	18.591	17.959	17.682	17.570	25.678	89.584
2217	299.66645	10.86413	19.095	17.412	16.723	16.449	16.291	299.66805	10.86252	19.074	17.420	16.744	16.468	16.291	8.083	135.568
2218	299.67784	10.47867	20.498	18.521	17.717	17.455	17.231	299.67102	10.47485	20.471	18.531	17.742	17.455	17.205	27.791	240.322
2219	299.68423	10.75351	20.003	17.668	16.678	16.316	16.110	299.68641	10.75244	19.987	17.655	16.692	16.326	16.106	8.641	116.483
2220	299.77868	9.82057	18.145	16.810	16.265	16.061	15.990	299.77942	9.81993	18.143	16.790	16.290	16.063	15.979	3.5	131.603
2221	299.78465	11.52148	20.829	19.204	18.411	18.147	17.971	299.78647	11.51679	20.848	19.179	18.432	18.132	17.942	18.056	159.17
2222	299.79880	41.78623	19.220	17.743	17.172	16.938	16.747	299.79485	41.79144	19.234	17.759	17.198	16.915	16.767	21.541	330.497
2223	299.84882	9.36097	18.000	16.404	15.790	15.554	15.434	299.84238	9.36458	18.028	16.415	15.801	15.571	15.455	26.327	299.629
2224	299.85383	8.90989	19.456	17.847	17.221	17.067	16.875	299.84937	8.90584	19.455	17.863	17.222	17.082	16.893	21.537	227.435
2225	299.86600	-9.92489	20.222	18.697	18.002	17.705	17.550	299.87260	-9.92063	20.209	18.707	18.014	17.703	17.527	28.006	56.799
2226	299.87777	11.54917	21.172	19.434	18.738	18.473	18.322	299.87232	11.54383	21.171	19.423	18.761	18.475	18.300	27.185	224.998
2227	299.94216	10.06822	20.831	18.780	17.906	17.572	17.395	299.94011	10.06132	20.806	18.785	17.910	17.602	17.409	25.896	196.348
2228	299.96973	9.74119	19.403	17.799	17.142	16.885	16.739	299.96519	9.74388	19.419	17.826	17.145	16.887	16.726	18.796	300.939
2229	299.97854	9.68888	20.303	18.737	18.131	17.878	17.764	299.97772	9.68499	20.305	18.750	18.131	17.860	17.762	14.317	191.767
2230	300.02379	8.92547	18.242	16.812	16.289	16.112	15.999	300.01842	8.92556	18.226	16.840	16.293	16.108	16.003	19.109	270.995
2231	300.02757	41.34574	20.183	18.661	17.907	17.592	17.378	300.02969	41.34417	20.193	18.662	17.909	17.597	17.383	8.048	134.766
2232	300.05109	8.64511	19.334	17.882	17.304	17.091	16.996	300.05459	8.64501	19.322	17.898	17.324	17.115	17.013	12.443	91.499
2233	300.05303	61.73644	21.018	19.882	19.315	19.091	18.988	300.03743	61.73539	20.993	19.855	19.324	19.092	19.007	26.85	261.925
2234	300.06814	41.43616	21.184	19.272	18.355	17.984	17.742	300.07811	41.43952	21.194	19.291	18.376	17.995	17.754	29.517	65.829
2235	300.12898	11.42039	20.197	18.721	18.081	17.810	17.744	300.12554	11.42326	20.211	18.710	18.101	17.834	17.725	15.952	310.428

2236	300.15487	11.04025	20.489	18.963	18.184	18.059	17.859	300.16137	11.04243	20.467	18.958	18.188	18.082	17.865	24.264	71.143
2237	300.24008	41.76410	20.100	18.237	17.220	16.755	16.474	300.24347	41.76657	20.085	18.225	17.235	16.783	16.493	12.725	45.733
2238	300.24987	10.67921	20.413	18.991	18.409	18.089	18.005	300.25647	10.68191	20.394	18.970	18.419	18.083	18.007	25.299	67.432
2239	300.25964	9.74711	20.042	18.416	17.865	17.524	17.307	300.25633	9.74661	20.066	18.399	17.866	17.552	17.322	11.891	261.323
2240	300.28075	-11.78787	20.182	18.904	18.317	18.102	17.953	300.28554	-11.78209	20.191	18.905	18.336	18.124	17.938	26.774	39.031
2241	300.29556	1.06307	21.266	19.748	19.044	18.712	18.697	300.29526	1.06181	21.283	19.742	19.069	18.730	18.684	4.669	193.328
2242	300.31570	10.93628	19.518	18.185	17.655	17.486	17.370	300.31289	10.93684	19.512	18.195	17.670	17.475	17.381	10.143	281.411
2243	300.32815	9.88454	21.149	19.805	19.228	19.014	18.899	300.32352	9.88666	21.151	19.805	19.247	19.025	18.902	18.12	294.938
2244	300.33472	10.18948	20.471	18.816	18.114	17.759	17.630	300.33378	10.18124	20.461	18.811	18.122	17.781	17.660	29.877	186.392
2245	300.39597	10.59515	21.787	19.708	18.852	18.493	18.408	300.39627	10.60326	21.771	19.736	18.859	18.500	18.409	29.212	2.119
2246	300.40510	10.60825	19.921	18.405	17.779	17.499	17.387	300.40230	10.60854	19.919	18.435	17.794	17.511	17.401	9.944	276.054
2247	300.40622	61.01902	18.337	16.549	15.880	15.660	15.571	300.40217	61.02239	18.342	16.568	15.895	15.667	15.569	14.053	329.791
2248	300.44334	10.97574	19.272	17.919	17.431	17.187	17.084	300.44521	10.97476	19.267	17.910	17.433	17.197	17.091	7.491	118.145
2249	300.47815	-0.50932	20.533	19.114	18.487	18.259	18.098	300.47687	-0.51665	20.505	19.084	18.491	18.256	18.081	26.784	189.902
2250	300.49463	-11.32847	20.721	18.469	17.549	17.232	17.029	300.49454	-11.32383	20.722	18.477	17.568	17.229	17.012	16.702	358.965
2251	300.53342	10.20199	20.519	19.036	18.413	18.151	18.035	300.53144	10.19540	20.508	19.008	18.414	18.175	18.060	24.73	196.443
2252	300.55142	11.05042	20.926	19.061	18.337	18.061	17.908	300.55603	11.05659	20.905	19.085	18.360	18.070	17.900	27.561	36.227
2253	300.57217	10.36434	20.813	19.213	18.445	18.162	18.038	300.56675	10.36112	20.801	19.216	18.475	18.160	18.026	22.438	238.894
2254	300.57710	8.91174	20.155	18.749	18.168	17.952	17.818	300.58059	8.91315	20.140	18.733	18.190	17.953	17.814	13.434	67.703
2255	300.60732	9.45575	19.127	17.609	16.980	16.741	16.640	300.60552	9.45464	19.148	17.625	16.997	16.743	16.625	7.528	238.036
2256	300.61705	10.72638	18.688	16.840	16.121	15.869	15.720	300.62416	10.72904	18.683	16.845	16.122	15.847	15.713	26.924	69.215
2257	300.64564	-0.43692	18.673	17.083	16.408	16.214	16.100	300.63907	-0.43408	18.652	17.092	16.431	16.232	16.111	25.768	293.378
2258	300.80037	10.00510	20.756	19.360	18.800	18.609	18.436	300.80288	10.00154	20.774	19.368	18.812	18.622	18.424	15.601	145.17
2259	300.81041	-11.35707	20.566	19.167	18.549	18.300	18.197	300.81425	-11.35985	20.553	19.140	18.565	18.329	18.203	16.848	126.444
2260	300.86337	41.17499	21.524	19.834	18.841	18.413	18.157	300.86151	41.18176	21.509	19.813	18.853	18.416	18.152	24.895	348.328
2261	300.87339	8.64164	19.199	17.781	17.255	17.056	16.936	300.87341	8.63781	19.182	17.809	17.266	17.063	16.954	13.771	179.81
2262	300.89699	10.64153	20.156	18.206	17.474	17.242	17.100	300.89929	10.63553	20.183	18.193	17.483	17.258	17.089	23.077	159.38
2263	300.89802	10.06080	19.509	17.573	16.805	16.506	16.358	300.89320	10.06410	19.503	17.590	16.809	16.515	16.335	20.802	304.769
2264	300.91539	32.92057	17.043	15.530	14.942	14.730	14.597	300.91353	32.91791	17.042	15.536	14.967	14.739	14.607	11.131	210.446
2265	300.93185	10.07472	20.177	18.644	18.020	17.757	17.658	300.92699	10.07960	20.169	18.642	18.025	17.765	17.659	24.616	315.596
2266	300.95034	1.17247	19.549	18.103	17.493	17.421	17.134	300.94954	1.16887	19.530	18.102	17.509	17.448	17.161	13.278	192.436
2267	300.95978	9.56809	18.595	16.928	16.266	16.032	15.933	300.95497	9.56855	18.567	16.936	16.285	16.050	15.960	17.16	275.59
2268	300.99485	9.82130	18.854	17.553	17.043	16.827	16.770	300.99158	9.81530	18.875	17.550	17.047	16.853	16.768	15.702	5.069
2269	300.99524	9.82564	20.257	18.434	17.698	17.430	17.294	300.98763	9.82766	20.238	18.437	17.724	17.453	17.322	27.96	285.036
2270	301.02011	9.51784	19.797	18.217	17.599	17.356	17.299	301.01435	9.52129	19.805	18.232	17.600	17.361	17.293	23.95	301.308
2271	301.10429	11.56189	18.570	16.979	16.402	16.216	16.138	301.10669	11.55767	18.573	17.006	16.419	16.240	16.132	17.405	150.932
2272	301.11001	8.12732	20.513	18.860	18.225	17.979	17.836	301.10758	8.13107	20.529	18.874	18.228	18.003	17.854	16.049	327.247
2273	301.13115	8.70553	20.544	19.161	18.556	18.332	18.283	301.13104	8.70295	20.536	19.160	18.574	18.349	18.294	9.283	182.303

2274	301.15331	61.03978	17.987	16.609	16.081	15.909	15.805	301.15631	61.04661	18.002	16.632	16.093	15.898	15.776	25.15	11.988
2275	301.18725	9.45466	20.543	18.291	17.276	16.998	16.908	301.19028	9.44771	20.544	18.278	17.285	16.999	16.880	27.218	156.743
2276	301.19500	8.17256	20.877	19.289	18.599	18.349	18.283	301.18736	8.17328	20.905	19.280	18.602	18.362	18.278	27.352	275.379
2277	301.26404	9.80362	20.577	18.669	17.958	17.703	17.574	301.26657	9.80483	20.571	18.691	17.968	17.675	17.567	9.953	64.188
2278	301.28435	1.13406	19.465	17.712	16.965	16.679	16.498	301.28317	1.13866	19.436	17.732	16.982	16.686	16.476	17.112	345.6
2279	301.32343	10.18213	19.822	18.362	17.744	17.515	17.400	301.31934	10.18361	19.845	18.371	17.744	17.529	17.392	15.418	290.223
2280	301.32619	8.60392	19.793	18.414	17.852	17.634	17.575	301.32995	8.59832	19.777	18.390	17.857	17.648	17.549	24.188	146.398
2281	301.33664	9.61140	20.857	19.642	19.056	18.806	18.783	301.33546	9.61688	20.834	19.616	19.079	18.813	18.790	20.176	348.037
2282	301.35712	9.13028	20.325	18.833	18.279	18.048	17.972	301.35497	9.12798	20.310	18.850	18.299	18.058	17.984	11.262	222.611
2283	301.40946	10.36986	20.093	18.618	18.086	17.856	17.788	301.40828	10.36279	20.120	18.609	18.112	17.881	17.797	25.788	189.36
2284	301.41428	8.72624	21.744	19.321	18.315	17.938	17.705	301.40889	8.72440	21.756	19.343	18.316	17.928	17.731	20.273	250.975
2285	301.42301	-11.21714	20.214	18.792	18.184	17.975	17.816	301.42151	-11.22041	20.205	18.801	18.206	17.983	17.790	12.92	204.229
2286	301.44955	10.65767	21.065	19.663	19.112	18.884	18.726	301.44802	10.66096	21.041	19.677	19.118	18.902	18.722	13.022	335.376
2287	301.50206	9.22287	19.457	17.787	17.046	16.774	16.594	301.50062	9.21911	19.478	17.766	17.047	16.790	16.606	14.462	200.742
2288	301.50793	9.76364	18.999	17.553	16.919	16.676	16.592	301.51060	9.75853	19.007	17.542	16.927	16.677	16.565	20.679	152.786
2289	301.52597	10.58250	21.287	19.718	19.175	18.988	18.944	301.52803	10.57665	21.316	19.713	19.176	18.987	18.940	22.283	160.908
2290	301.63438	9.77085	21.267	19.227	18.384	18.039	17.861	301.63968	9.76969	21.264	19.207	18.388	18.045	17.881	19.279	102.549
2291	301.64868	10.02178	19.260	17.546	16.846	16.566	16.433	301.64517	10.02924	19.267	17.554	16.853	16.578	16.437	29.581	335.125
2292	301.65115	-12.56073	17.802	15.949	15.177	14.851	14.661	301.65064	-12.56209	17.820	15.974	15.192	14.851	14.675	5.202	200.337
2293	301.67055	10.07748	20.761	19.371	18.765	18.492	18.369	301.67318	10.07939	20.742	19.368	18.789	18.506	18.371	11.601	53.664
2294	301.68694	42.12540	19.186	17.470	16.640	16.414	15.914	301.68608	42.12747	19.194	17.466	16.667	16.392	15.911	7.79	342.765
2295	301.71678	7.95074	19.414	17.325	16.537	16.268	16.130	301.71683	7.95551	19.390	17.351	16.560	16.271	16.112	17.155	0.622
2296	301.72798	31.65939	17.365	15.742	15.030	14.800	14.651	301.72786	31.65378	17.335	15.737	15.043	14.807	14.669	20.224	181
2297	301.73356	42.10803	21.347	19.339	18.421	18.009	17.557	301.73479	42.10466	21.370	19.347	18.442	18.012	17.563	12.572	164.872
2298	301.78804	8.89580	21.211	19.862	19.258	19.032	18.944	301.79083	8.90197	21.240	19.853	19.285	19.058	18.949	24.336	24.134
2299	301.87665	-0.11193	19.801	18.453	17.871	17.518	17.515	301.87753	-0.10900	19.798	18.443	17.886	17.533	17.527	11.01	16.627
2300	301.94891	9.03632	19.693	18.269	17.711	17.488	17.365	301.95529	9.04072	19.722	18.282	17.726	17.482	17.391	27.669	55.083
2301	301.97090	41.80106	19.956	18.093	17.141	16.713	16.466	301.97221	41.80071	19.963	18.104	17.168	16.738	16.487	3.736	109.987
2302	301.98728	0.78372	19.060	17.578	16.943	16.851	16.630	301.98644	0.77745	19.051	17.602	16.945	16.834	16.601	22.757	187.656
2303	302.02826	-0.54706	17.874	16.507	15.904	15.663	15.522	302.02444	-0.54365	17.894	16.518	15.930	15.689	15.541	18.439	311.746
2304	302.05964	9.86305	19.920	18.613	18.082	17.855	17.801	302.05700	9.86729	19.900	18.593	18.090	17.872	17.800	17.92	328.539
2305	302.08987	-0.59281	17.456	15.911	15.287	15.062	14.946	302.08359	-0.59282	17.430	15.913	15.301	15.077	14.962	22.598	269.938
2306	302.10272	9.76771	21.087	18.887	18.019	17.702	17.501	302.09597	9.77023	21.110	18.912	18.028	17.694	17.525	25.603	290.815
2307	302.20184	9.45250	20.601	18.497	17.683	17.347	17.141	302.20519	9.46007	20.613	18.472	17.697	17.352	17.117	29.754	23.543
2308	302.23265	7.91379	21.337	20.026	19.390	19.205	19.123	302.22657	7.91954	21.310	20.006	19.405	19.220	19.144	29.983	313.71
2309	302.30621	31.19439	18.596	16.824	15.954	15.594	15.376	302.29917	31.19486	18.597	16.848	15.981	15.597	15.352	21.734	274.432
2310	302.31366	0.30084	19.554	18.176	17.640	17.415	17.335	302.30954	0.30569	19.572	18.154	17.669	17.428	17.321	22.911	319.66
2311	302.33328	-0.08446	18.598	17.399	16.896	16.704	16.591	302.33442	-0.08858	18.575	17.378	16.910	16.720	16.606	15.385	164.555

2312	302.33432	-0.15544	21.879	20.116	19.407	19.060	18.826	302.33097	-0.16047	21.864	20.139	19.432	19.041	18.821	21.764	213.625
2313	302.36836	-0.91609	19.605	18.300	17.719	17.442	17.310	302.36926	-0.90915	19.633	18.329	17.733	17.428	17.290	25.222	7.388
2314	302.37025	8.40817	19.953	18.585	17.999	17.779	17.619	302.37327	8.40729	19.972	18.565	18.003	17.767	17.639	11.235	106.409
2315	302.37114	-0.18084	20.225	18.833	18.236	17.973	17.867	302.36668	-0.17430	20.226	18.836	18.254	18.001	17.877	28.53	325.687
2316	302.40027	9.32486	18.712	17.223	16.610	16.356	16.228	302.39560	9.32749	18.738	17.234	16.629	16.375	16.243	19.11	299.705
2317	302.53675	7.48224	20.364	19.006	18.453	18.246	18.153	302.53001	7.47738	20.345	19.015	18.476	18.258	18.146	29.745	233.974
2318	302.65005	8.18667	20.781	18.916	18.202	17.923	17.729	302.65504	8.19101	20.760	18.945	18.204	17.940	17.738	23.657	48.725
2319	302.68181	10.92205	20.055	18.361	17.765	17.520	17.499	302.68755	10.91799	20.074	18.338	17.795	17.542	17.519	25.018	125.761
2320	302.71228	7.24768	17.882	16.273	15.710	15.514	15.412	302.71447	7.25144	17.862	16.300	15.738	15.532	15.421	15.628	30.05
2321	302.71931	9.65394	20.417	18.779	18.199	17.904	17.807	302.71300	9.65770	20.440	18.788	18.215	17.908	17.811	26.181	301.09
2322	302.80244	60.22269	21.109	18.956	17.975	17.582	17.387	302.79852	60.22930	21.095	18.977	18.001	17.597	17.358	24.815	343.593
2323	302.80962	32.88191	17.717	16.012	15.257	14.962	14.796	302.80527	32.87626	17.696	16.004	15.268	14.975	14.814	24.23	212.939
2324	302.86628	1.25754	18.494	16.986	16.390	16.158	16.022	302.86220	1.25358	18.485	16.979	16.394	16.155	16.020	20.462	225.78
2325	302.90094	8.42288	21.452	20.161	19.555	19.320	19.286	302.90317	8.41574	21.438	20.145	19.566	19.320	19.293	26.909	162.827
2326	302.93208	8.19487	21.534	18.828	17.611	17.161	16.904	302.93013	8.19942	21.551	18.849	17.628	17.185	16.905	17.789	336.974
2327	303.06425	8.17757	20.851	19.003	18.287	17.999	17.851	303.06442	8.18255	20.847	19.002	18.287	18.011	17.825	17.938	1.914
2328	303.11479	7.23616	19.383	18.009	17.437	17.210	17.093	303.10840	7.23149	19.405	18.033	17.455	17.205	17.083	28.361	233.568
2329	303.25556	13.73257	20.975	19.286	18.521	18.330	18.128	303.25743	13.73530	20.997	19.299	18.528	18.341	18.149	11.822	33.673
2330	303.27383	-12.92506	20.748	19.387	18.705	18.399	18.212	303.27450	-12.92694	20.738	19.383	18.729	18.400	18.228	7.16	160.679
2331	303.28104	58.82035	17.907	16.194	15.471	15.194	15.076	303.28658	58.82513	17.886	16.210	15.488	15.213	15.085	20.064	31.02
2332	303.36773	0.81632	17.893	16.616	16.131	15.935	15.841	303.36305	0.81786	17.891	16.637	16.135	15.939	15.833	17.73	288.267
2333	303.42648	8.37170	20.786	18.539	17.660	17.365	17.132	303.41997	8.36708	20.792	18.551	17.681	17.391	17.147	28.548	234.325
2334	303.50126	13.83769	18.709	17.448	16.883	16.665	16.556	303.49976	13.83601	18.738	17.455	16.900	16.694	16.572	8.002	221.12
2335	303.51246	-11.83365	19.707	18.405	17.838	17.594	17.458	303.51032	-11.83758	19.698	18.421	17.850	17.574	17.433	16.023	208.026
2336	303.55151	-11.70246	19.658	18.465	17.944	17.753	17.616	303.55122	-11.69880	19.674	18.448	17.955	17.750	17.614	13.191	355.535
2337	303.66379	13.46986	20.736	19.375	18.661	18.609	18.381	303.66264	13.46247	20.765	19.376	18.688	18.629	18.411	26.889	188.68
2338	303.74720	13.39702	17.444	16.263	15.613	15.751	15.290	303.75545	13.39524	17.423	16.265	15.619	15.756	15.286	29.588	102.521
2339	303.79647	12.48099	20.170	18.466	17.967	17.851	17.402	303.79304	12.48203	20.178	18.478	17.975	17.853	17.385	12.606	287.198
2340	303.80862	76.29660	18.249	15.635	14.189	13.149	12.625	303.79682	76.30257	18.257	15.661	14.211	13.170	12.645	23.726	334.899
2341	303.83249	6.47463	21.117	19.434	18.673	18.412	18.230	303.82837	6.47487	21.126	19.414	18.675	18.433	18.235	14.751	273.364
2342	303.86900	-12.45045	18.608	17.359	16.847	16.647	16.549	303.87425	-12.45373	18.611	17.365	16.855	16.646	16.543	21.897	122.624
2343	303.88464	9.11406	18.128	16.483	15.851	15.605	15.482	303.89030	9.11021	18.113	16.505	15.869	15.617	15.478	24.411	124.576
2344	303.88523	8.65297	20.317	18.940	18.363	18.149	18.060	303.88636	8.65629	20.346	18.944	18.384	18.153	18.054	12.596	18.638
2345	304.04046	-0.12670	20.043	18.674	18.122	17.925	17.812	304.03489	-0.12069	20.059	18.694	18.138	17.910	17.794	29.47	317.165
2346	304.07130	12.59197	19.494	18.053	17.460	17.216	17.008	304.07323	12.59385	19.508	18.046	17.469	17.217	17.037	9.602	45.17
2347	304.13678	8.49936	20.241	18.968	18.374	18.128	18.033	304.13459	8.50228	20.262	18.945	18.377	18.150	18.040	13.107	323.49
2348	304.21363	0.09589	17.332	16.041	15.516	15.302	15.213	304.21642	0.10355	17.339	16.036	15.519	15.315	15.243	29.366	19.981
2349	304.21695	7.60802	19.355	17.596	16.858	16.604	16.455	304.22101	7.60340	19.373	17.583	16.864	16.606	16.463	22.051	138.939

2350	304.25928	-0.37632	18.634	17.388	16.895	16.685	16.623	304.25196	-0.37578	18.632	17.371	16.895	16.688	16.626	26.418	274.211
2351	304.25930	12.73356	21.123	19.651	19.014	18.763	18.705	304.25976	12.73212	21.133	19.678	19.035	18.756	18.715	5.457	162.789
2352	304.26003	14.10354	21.050	19.336	18.587	18.335	18.175	304.26100	14.10048	21.038	19.355	18.595	18.347	18.166	11.499	162.873
2353	304.26311	60.48951	18.336	16.851	16.171	15.903	15.759	304.26689	60.48242	18.334	16.829	16.179	15.908	15.785	26.42	165.328
2354	304.28322	13.20062	20.435	19.085	18.652	18.251	18.266	304.28572	13.19444	20.435	19.081	18.669	18.265	18.287	23.914	158.504
2355	304.35899	8.02213	20.826	19.340	18.712	18.469	18.373	304.35830	8.02088	20.844	19.368	18.728	18.498	18.374	5.114	208.719
2356	304.39157	8.67976	20.236	18.712	18.018	17.773	17.616	304.38630	8.67582	20.242	18.702	18.037	17.801	17.630	23.515	232.888
2357	304.45544	13.97218	19.941	18.525	17.967	17.778	17.484	304.45399	13.96580	19.947	18.555	17.992	17.791	17.510	23.529	192.425
2358	304.48379	-1.21063	19.974	18.333	17.635	17.417	17.230	304.48468	-1.21313	19.976	18.321	17.640	17.422	17.252	9.553	160.259
2359	304.52695	7.26954	19.370	17.985	17.389	17.146	17.032	304.52021	7.27227	19.366	18.000	17.405	17.158	17.035	25.986	292.282
2360	304.53859	-13.96090	19.214	18.023	17.568	17.383	17.294	304.53127	-13.95953	19.242	18.051	17.590	17.406	17.322	26.037	280.933
2361	304.54372	0.40104	19.333	17.913	17.274	17.051	16.915	304.54363	0.40637	19.331	17.917	17.291	17.054	16.926	19.181	359.059
2362	304.54830	-13.73251	19.905	18.595	18.092	17.913	17.837	304.55529	-13.73438	19.892	18.611	18.105	17.913	17.814	25.368	105.388
2363	304.64990	0.60428	20.194	18.835	18.406	18.198	18.047	304.65570	0.60487	20.218	18.850	18.425	18.227	18.073	20.985	84.24
2364	304.70817	7.18902	20.788	19.292	18.640	18.397	18.238	304.70896	7.19640	20.798	19.311	18.641	18.374	18.219	26.739	6.095
2365	304.72420	6.37828	20.926	19.370	18.738	18.481	18.382	304.72894	6.37897	20.951	19.378	18.747	18.477	18.353	17.157	81.678
2366	304.74857	-1.05323	18.271	17.059	16.546	16.341	16.227	304.74040	-1.05254	18.262	17.079	16.571	16.352	16.234	29.518	274.84
2367	304.87266	-13.17626	20.359	19.110	18.577	18.354	18.227	304.87646	-13.17364	20.341	19.112	18.587	18.354	18.198	16.323	54.716
2368	304.97198	-12.66105	20.396	19.087	18.538	18.346	18.241	304.96764	-12.66567	20.400	19.064	18.557	18.364	18.246	22.56	222.506
2369	305.04377	13.33759	21.111	19.318	18.773	18.345	18.243	305.04614	13.33921	21.092	19.333	18.790	18.341	18.247	10.141	54.986
2370	305.04430	30.94988	21.558	19.597	18.195	17.461	16.950	305.04828	30.94569	21.539	19.613	18.207	17.473	16.935	19.443	140.874
2371	305.07191	30.07293	19.472	17.424	16.271	15.677	15.267	305.06389	30.06977	19.501	17.424	16.299	15.703	15.283	27.45	245.522
2372	305.08394	12.10025	20.371	19.034	18.436	18.252	18.154	305.08809	12.09537	20.354	19.013	18.440	18.272	18.151	22.85	140.217
2373	305.08656	13.51703	18.966	17.684	17.172	17.341	16.839	305.09339	13.51689	18.971	17.713	17.183	17.344	16.858	23.916	91.2
2374	305.10482	7.27971	19.608	17.705	16.975	16.715	16.559	305.10003	7.27318	19.625	17.713	16.983	16.706	16.549	29.102	216.061
2375	305.10640	59.41180	20.885	19.141	18.363	18.042	17.889	305.09461	59.40623	20.858	19.128	18.385	18.036	17.871	29.475	227.127
2376	305.12273	12.90290	20.218	18.820	18.313	18.106	18.002	305.12857	12.90824	20.246	18.837	18.317	18.125	17.986	28.127	46.843
2377	305.12613	5.86051	20.510	18.745	18.072	17.802	17.640	305.13109	5.85401	20.488	18.751	18.089	17.810	17.645	29.357	142.744
2378	305.17577	7.59649	16.948	15.632	15.169	15.014	14.955	305.18086	7.59245	16.947	15.657	15.186	15.020	14.963	23.274	128.714
2379	305.18977	7.18857	20.358	18.911	18.314	18.076	17.972	305.18760	7.18058	20.355	18.899	18.331	18.094	17.971	29.767	195.064
2380	305.19949	12.85962	20.177	18.705	18.179	18.018	17.877	305.20659	12.86254	20.151	18.723	18.193	17.992	17.860	27.034	67.107
2381	305.20580	13.28486	17.633	16.535	16.243	15.957	15.761	305.20556	13.28686	17.653	16.547	16.260	15.981	15.770	7.26	353.496
2382	305.21084	-0.83747	18.387	17.103	16.622	16.447	16.354	305.20913	-0.84489	18.377	17.126	16.638	16.450	16.361	27.417	192.981
2383	305.33484	8.82687	20.014	18.787	18.264	18.063	17.960	305.33491	8.83212	20.042	18.795	18.269	18.056	17.968	18.912	0.763
2384	305.39636	14.35778	20.817	19.126	18.420	18.025	17.781	305.38994	14.35734	20.802	19.105	18.425	18.009	17.779	22.459	265.921
2385	305.43104	12.95171	19.985	18.628	18.113	17.941	17.784	305.43782	12.95568	19.955	18.619	18.117	17.947	17.765	27.757	59.018
2386	305.53435	14.31841	20.588	18.650	17.891	17.396	17.145	305.53414	14.31745	20.577	18.640	17.896	17.426	17.154	3.525	191.813
2387	305.55283	7.38332	18.553	17.161	16.566	16.364	16.238	305.54661	7.38774	18.559	17.156	16.576	16.373	16.254	27.337	305.689

2388	305.59367	13.99304	21.483	20.203	19.807	19.608	19.430	305.59533	13.98531	21.457	20.219	19.821	19.594	19.460	28.438	168.211
2389	305.63580	8.13984	18.301	16.919	16.421	16.237	16.154	305.63150	8.14352	18.318	16.947	16.445	16.248	16.140	20.236	310.833
2390	305.69266	6.83072	19.062	17.808	17.339	17.168	17.057	305.69383	6.82398	19.044	17.833	17.359	17.179	17.080	24.626	170.172
2391	305.71448	12.99852	20.645	19.337	18.850	18.680	18.556	305.71843	12.99185	20.641	19.311	18.857	18.683	18.573	27.756	149.995
2392	305.72346	14.66133	18.953	17.607	17.082	16.960	16.787	305.72431	14.65736	18.932	17.612	17.082	16.954	16.772	14.567	168.28
2393	305.76097	31.19240	21.515	19.018	17.813	17.197	16.852	305.76451	31.19499	21.520	19.026	17.842	17.215	16.871	14.335	49.437
2394	305.76447	5.59035	18.288	16.644	16.045	15.857	15.780	305.76855	5.58575	18.266	16.656	16.058	15.849	15.760	22.097	138.569
2395	305.78536	12.77533	18.147	16.621	16.060	15.884	15.792	305.78325	12.78228	18.161	16.642	16.076	15.884	15.798	26.071	343.428
2396	305.80674	-0.86591	19.021	17.502	16.937	16.709	16.609	305.80912	-0.86613	18.992	17.510	16.940	16.721	16.624	8.595	95.413
2397	305.85117	12.62618	20.621	18.628	17.921	17.643	17.461	305.85236	12.62889	20.628	18.602	17.934	17.659	17.452	10.613	23.115
2398	305.86195	0.95251	19.475	18.110	17.449	17.170	17.062	305.86359	0.94463	19.457	18.081	17.450	17.171	17.079	28.98	168.236
2399	305.97106	6.64675	17.804	16.472	15.959	15.752	15.768	305.97775	6.64947	17.796	16.491	15.971	15.778	15.739	25.846	67.668
2400	305.97688	59.61079	20.311	18.437	17.512	17.126	16.891	305.97493	59.61423	20.312	18.422	17.518	17.152	16.910	12.878	343.961
2401	306.02256	6.35235	21.551	19.921	19.269	19.011	18.877	306.02114	6.35072	21.522	19.932	19.282	19.013	18.899	7.769	220.826
2402	306.06602	30.26543	20.463	18.485	17.374	16.880	16.457	306.06961	30.26195	20.459	18.468	17.385	16.858	16.481	16.764	138.236
2403	306.08237	14.04444	21.056	19.510	18.799	18.526	18.314	306.08486	14.03962	21.028	19.528	18.802	18.536	18.323	19.438	153.367
2404	306.14646	14.61418	20.108	18.346	17.722	17.371	17.237	306.14976	14.60706	20.088	18.343	17.726	17.383	17.222	28.066	155.832
2405	306.17102	7.73500	20.773	19.286	18.717	18.491	18.389	306.17253	7.72894	20.779	19.300	18.744	18.518	18.375	22.477	166.075
2406	306.18724	13.59463	20.193	18.390	17.712	17.453	17.209	306.18219	13.60074	20.220	18.420	17.717	17.451	17.206	28.213	321.267
2407	306.21586	14.32668	18.878	17.418	17.037	16.607	16.501	306.21014	14.32732	18.870	17.440	17.054	16.608	16.498	20.108	276.562
2408	306.22489	31.47363	20.898	18.933	17.926	17.475	17.093	306.22563	31.47772	20.898	18.937	17.947	17.504	17.122	14.899	8.725
2409	306.22924	7.70419	19.539	18.064	17.473	17.266	17.167	306.22612	7.70102	19.552	18.092	17.500	17.285	17.146	15.949	224.269
2410	306.23749	0.17502	21.366	19.807	19.064	18.780	18.637	306.23086	0.17850	21.386	19.797	19.086	18.757	18.611	26.958	297.67
2411	306.25145	5.28881	19.896	18.259	17.608	17.388	17.257	306.24560	5.28719	19.889	18.253	17.620	17.391	17.271	21.78	254.483
2412	306.27936	13.47220	19.402	18.110	17.755	17.856	17.472	306.28052	13.46610	19.398	18.104	17.769	17.881	17.489	22.34	169.525
2413	306.29903	7.61667	18.901	17.056	16.349	16.118	15.978	306.29755	7.62247	18.873	17.046	16.368	16.133	15.991	21.554	345.801
2414	306.30973	5.69526	18.578	17.228	16.728	16.564	16.473	306.30699	5.69508	18.597	17.234	16.730	16.569	16.481	9.85	266.186
2415	306.31716	13.20516	19.867	18.666	18.315	18.019	17.982	306.31710	13.20835	19.843	18.670	18.329	18.017	18.001	11.495	358.877
2416	306.32821	28.73644	19.659	17.736	16.806	16.391	16.145	306.33672	28.73679	19.647	17.754	16.820	16.409	16.136	26.876	87.307
2417	306.34346	14.51436	19.557	18.033	17.422	17.202	17.087	306.34015	14.51115	19.550	18.032	17.436	17.216	17.095	16.345	224.896
2418	306.37972	8.67264	19.477	17.824	17.201	16.971	16.851	306.38221	8.67018	19.464	17.835	17.217	16.987	16.847	12.511	135.072
2419	306.40695	6.94633	18.612	17.257	16.680	16.466	16.334	306.41042	6.94516	18.590	17.259	16.686	16.471	16.338	13.124	108.79
2420	306.47976	29.45516	20.644	18.650	17.594	17.061	16.710	306.47610	29.45962	20.628	18.629	17.607	17.063	16.715	19.73	324.434
2421	306.50555	8.24098	19.385	17.764	17.126	16.886	16.762	306.50174	8.23963	19.414	17.763	17.127	16.889	16.752	14.419	250.347
2422	306.53847	7.23547	17.952	16.412	15.829	15.633	15.534	306.54603	7.23340	17.938	16.427	15.849	15.641	15.536	28.022	105.418
2423	306.55008	14.27627	20.913	19.411	18.886	18.621	18.478	306.55364	14.28015	20.935	19.426	18.903	18.633	18.473	18.675	41.603
2424	306.59697	-0.32366	20.476	19.038	18.404	18.160	18.005	306.59560	-0.32063	20.454	19.047	18.408	18.188	18.007	11.97	335.82
2425	306.61883	28.31577	20.946	19.063	18.048	17.624	17.334	306.62157	28.32025	20.941	19.063	18.061	17.643	17.318	18.296	28.293

2426	306.62082	8.77018	20.079	18.711	18.209	18.001	17.919	306.62098	8.77356	20.079	18.721	18.227	18.009	17.907	12.202	2.706
2427	306.63739	-0.05678	19.914	18.567	18.016	17.794	17.690	306.64210	-0.05626	19.901	18.591	18.019	17.797	17.675	17.073	83.685
2428	306.64148	8.37925	18.436	17.066	16.518	16.280	16.155	306.64784	8.37864	18.439	17.086	16.529	16.290	16.159	22.741	95.541
2429	306.64556	28.52361	19.503	17.669	16.761	16.363	16.073	306.64296	28.52194	19.481	17.683	16.774	16.360	16.101	10.17	233.749
2430	306.65408	7.57714	20.179	18.680	18.051	17.792	17.636	306.65049	7.57442	20.178	18.699	18.061	17.777	17.641	16.135	232.613
2431	306.75959	13.77072	19.956	18.438	17.859	17.998	17.558	306.76004	13.76845	19.955	18.451	17.864	17.993	17.541	8.31	169.24
2432	306.80878	13.05606	19.872	18.522	18.003	17.826	17.657	306.80777	13.05038	19.879	18.541	18.016	17.837	17.652	20.771	189.872
2433	306.90690	14.53311	19.199	17.434	16.769	16.536	16.430	306.90677	14.54067	19.191	17.435	16.779	16.548	16.458	27.216	359.114
2434	306.90775	-4.67046	19.072	17.803	17.294	17.106	17.016	306.91080	-4.67079	19.088	17.775	17.304	17.121	17.037	11.005	96.203
2435	306.94838	28.27491	19.649	18.035	17.245	16.895	16.705	306.95680	28.27807	19.656	18.031	17.250	16.890	16.705	29.038	66.924
2436	306.94909	28.02684	19.899	17.967	17.088	16.749	16.551	306.95522	28.02496	19.925	17.991	17.089	16.761	16.528	20.613	109.11
2437	307.00667	0.44695	20.194	18.891	18.390	18.231	18.139	307.00450	0.44163	20.193	18.910	18.405	18.231	18.164	20.658	202.131
2438	307.08295	30.73091	21.209	18.840	17.586	16.993	16.569	307.08044	30.73585	21.183	18.827	17.588	16.995	16.561	19.391	336.421
2439	307.10893	28.07800	17.850	16.302	15.639	15.374	15.230	307.11580	28.08256	17.858	16.292	15.658	15.402	15.224	27.308	52.989
2440	307.11644	14.57639	17.908	16.459	15.914	15.803	15.722	307.11752	14.57829	17.926	16.456	15.924	15.819	15.716	7.794	28.792
2441	307.21273	57.82938	18.531	16.955	16.261	15.989	15.823	307.20151	57.82567	18.522	16.948	16.278	16.000	15.848	25.308	238.198
2442	307.25590	0.84385	19.506	18.355	17.909	17.743	17.691	307.25894	0.84885	19.493	18.367	17.923	17.761	17.673	21.085	31.344
2443	307.26033	7.50811	20.655	19.185	18.495	18.220	18.107	307.25981	7.51226	20.652	19.161	18.501	18.217	18.100	15.072	352.916
2444	307.30293	13.23802	21.091	19.658	19.176	18.990	18.839	307.29543	13.23863	21.069	19.633	19.194	18.985	18.819	26.389	274.76
2445	307.31500	14.71790	19.032	17.683	17.151	16.968	16.941	307.31569	14.71227	19.035	17.711	17.163	16.986	16.944	20.421	173.253
2446	307.32605	-21.16749	17.446	16.167	15.710	15.558	15.477	307.32463	-21.16171	17.458	16.175	15.726	15.578	15.505	21.342	347.099
2447	307.43880	-5.48242	20.391	19.369	18.938	18.796	18.685	307.44271	-5.48666	20.388	19.355	18.938	18.799	18.701	20.7	137.398
2448	307.47215	57.31453	18.963	17.454	16.754	16.465	16.298	307.48145	57.31200	18.971	17.474	16.764	16.457	16.286	20.235	116.743
2449	307.49227	13.97085	20.596	19.404	18.878	18.757	18.652	307.49206	13.97363	20.567	19.389	18.900	18.756	18.665	10.031	355.718
2450	307.49981	29.13686	20.275	18.146	17.111	16.631	16.322	307.50817	29.13591	20.276	18.145	17.124	16.641	16.324	26.508	97.404
2451	307.56347	28.75383	20.861	18.950	17.949	17.540	17.238	307.56762	28.75924	20.883	18.973	17.959	17.559	17.244	23.449	33.983
2452	307.60064	5.59441	18.879	17.357	16.798	16.592	16.536	307.60317	5.59545	18.873	17.378	16.798	16.595	16.539	9.788	67.565
2453	307.60288	-0.32249	19.793	18.476	17.888	17.673	17.518	307.60481	-0.32325	19.806	18.480	17.902	17.670	17.531	7.445	111.325
2454	307.62719	6.08548	19.982	18.595	18.093	17.877	17.797	307.62414	6.08931	19.980	18.622	18.119	17.901	17.818	17.59	321.531
2455	307.66109	6.02114	17.533	16.190	15.681	15.491	15.422	307.65672	6.01585	17.552	16.180	15.692	15.500	15.435	24.613	219.426
2456	307.68002	29.03510	20.638	18.891	17.958	17.518	17.286	307.67263	29.03518	20.635	18.881	17.965	17.542	17.292	23.242	270.651
2457	307.74077	28.95728	19.941	18.064	17.094	16.631	16.364	307.74804	28.96256	19.947	18.075	17.104	16.652	16.354	29.76	50.282
2458	307.74986	8.88754	20.087	18.589	17.966	17.730	17.591	307.75253	8.88727	20.107	18.618	17.985	17.736	17.586	9.527	95.804
2459	307.75489	8.47133	19.800	18.390	17.831	17.613	17.503	307.74672	8.46990	19.802	18.411	17.839	17.628	17.525	29.563	259.995
2460	307.77264	7.38132	21.080	19.822	19.295	19.048	18.999	307.76547	7.37768	21.072	19.847	19.299	19.042	18.975	28.746	242.915
2461	307.78014	-12.70352	19.417	17.728	17.125	16.895	16.751	307.78032	-12.70598	19.445	17.727	17.128	16.894	16.777	8.882	175.914
2462	307.82321	57.72840	21.078	19.386	18.580	18.212	18.058	307.81032	57.72623	21.077	19.411	18.604	18.227	18.038	25.973	252.499
2463	307.82933	13.69368	19.953	18.510	17.945	17.733	17.579	307.82939	13.69987	19.971	18.503	17.948	17.743	17.604	22.285	0.597

2464	307.84359	13.45190	19.970	18.684	18.219	17.961	17.875	307.84065	13.44841	19.962	18.703	18.234	17.959	17.872	16.249	219.375
2465	307.95528	29.04651	21.707	19.794	18.751	18.270	17.949	307.94723	29.05089	21.719	19.784	18.768	18.248	17.925	29.844	301.885
2466	307.99189	57.59243	19.497	18.024	17.273	16.950	16.781	308.00253	57.59747	19.480	18.052	17.288	16.977	16.800	27.38	48.532
2467	308.03552	5.74920	20.151	17.954	16.974	16.578	16.366	308.03250	5.74986	20.132	17.976	16.986	16.601	16.387	11.108	282.361
2468	308.06109	15.51587	19.051	17.567	16.995	16.797	16.689	308.06007	15.52284	19.034	17.552	17.001	16.804	16.710	25.341	351.99
2469	308.07832	29.96406	20.439	18.572	17.528	17.043	16.684	308.07553	29.97059	20.452	18.578	17.535	17.042	16.669	25.092	339.667
2470	308.09184	28.97584	19.917	18.158	17.339	16.954	16.732	308.09455	28.97341	19.932	18.174	17.345	16.974	16.742	12.228	135.69
2471	308.09456	29.98412	21.826	19.532	18.313	17.786	17.391	308.10109	29.98970	21.803	19.513	18.337	17.805	17.403	28.612	45.357
2472	308.11544	29.06583	20.825	18.664	17.616	17.159	16.876	308.10868	29.06992	20.821	18.690	17.637	17.172	16.857	25.862	304.696
2473	308.12993	13.07486	19.098	17.629	17.077	16.927	16.777	308.12239	13.07586	19.099	17.630	17.100	16.929	16.777	26.703	277.804
2474	308.14093	13.93372	21.248	19.138	18.221	17.897	17.745	308.14435	13.92729	21.275	19.165	18.227	17.881	17.741	26.03	152.714
2475	308.14647	29.41842	21.628	19.330	18.125	17.563	17.177	308.14921	29.41152	21.620	19.345	18.140	17.554	17.189	26.284	160.961
2476	308.16451	28.55628	20.975	18.996	18.065	17.683	17.447	308.16615	28.55584	20.958	18.999	18.075	17.680	17.457	5.411	107.059
2477	308.17360	13.06636	21.557	20.015	19.362	19.153	18.965	308.17107	13.07023	21.560	20.034	19.375	19.170	18.964	16.504	327.437
2478	308.21526	15.16800	19.642	18.216	17.698	17.498	17.388	308.22221	15.16463	19.621	18.233	17.709	17.508	17.398	27.038	116.653
2479	308.24900	-1.07156	20.588	19.209	18.516	18.226	18.050	308.24564	-1.07550	20.589	19.191	18.518	18.249	18.080	18.622	220.49
2480	308.26498	29.34211	21.221	19.349	18.229	17.677	17.342	308.26277	29.34870	21.250	19.367	18.248	17.677	17.332	24.745	343.701
2481	308.30861	2.99534	20.471	19.283	18.853	18.696	18.649	308.31215	2.99270	20.465	19.292	18.873	18.703	18.673	15.917	126.735
2482	308.34905	3.47859	20.007	18.869	18.437	18.259	18.191	308.34462	3.48043	20.024	18.889	18.456	18.281	18.201	17.24	292.638
2483	308.36248	15.37272	20.486	18.933	18.424	18.175	18.088	308.35985	15.37858	20.489	18.954	18.434	18.182	18.113	22.962	336.61
2484	308.36410	28.02730	19.690	17.965	17.163	16.784	16.549	308.36052	28.02743	19.687	17.948	17.167	16.804	16.566	11.391	272.211
2485	308.37184	36.15074	19.929	17.731	16.515	15.903	15.445	308.36196	36.14967	19.911	17.740	16.520	15.916	15.465	28.974	262.377
2486	308.41931	34.98748	21.052	19.034	17.741	17.119	16.686	308.42392	34.98659	21.039	19.052	17.756	17.137	16.709	13.966	103.246
2487	308.43229	27.64810	20.422	18.610	17.679	17.263	17.007	308.42423	27.65217	20.443	18.636	17.705	17.270	16.991	29.578	299.659
2488	308.44111	30.07214	19.037	17.263	16.387	15.983	15.716	308.44102	30.06565	19.045	17.243	16.394	15.993	15.720	23.362	180.682
2489	308.44443	14.37380	18.712	17.270	16.685	16.504	16.354	308.43889	14.36777	18.696	17.274	16.706	16.531	16.375	29.084	221.692
2490	308.46202	29.21292	20.217	18.632	17.869	17.546	17.365	308.45578	29.21239	20.237	18.614	17.876	17.557	17.390	19.713	264.469
2491	308.47978	15.56594	19.523	17.707	17.002	16.696	16.533	308.48333	15.56318	19.501	17.721	17.008	16.692	16.519	15.809	128.924
2492	308.49440	35.50448	21.921	19.753	18.419	17.741	17.226	308.50189	35.50796	21.898	19.728	18.428	17.732	17.200	25.269	60.294
2493	308.53376	29.57608	19.959	18.035	17.154	16.748	16.506	308.53899	29.58095	19.980	18.055	17.160	16.751	16.495	24.004	43.019
2494	308.54233	9.52446	19.433	17.498	16.759	16.483	16.327	308.54210	9.52363	19.431	17.508	16.760	16.499	16.337	3.094	195.748
2495	308.54474	45.35682	20.506	18.356	17.364	16.807	16.511	308.54628	45.35434	20.512	18.351	17.382	16.835	16.517	9.738	156.403
2496	308.55444	38.76522	20.807	18.031	16.719	16.204	15.882	308.54570	38.76086	20.789	18.051	16.719	16.200	15.880	29.121	237.319
2497	308.57974	14.06276	20.377	19.226	18.737	18.586	18.563	308.57596	14.05645	20.405	19.202	18.738	18.604	18.590	26.267	210.207
2498	308.60001	33.61883	21.177	18.876	17.640	17.047	16.602	308.59395	33.61531	21.151	18.875	17.668	17.054	16.588	22.158	235.107
2499	308.64200	6.29386	19.013	17.694	17.176	16.968	16.973	308.64264	6.29604	19.031	17.688	17.183	16.992	16.946	8.175	16.05
2500	308.67082	27.75155	21.398	18.977	17.847	17.338	16.976	308.67332	27.74396	21.381	19.004	17.858	17.332	16.969	28.457	163.748
2501	308.68248	58.18506	19.392	17.200	16.236	15.842	15.636	308.67415	58.18422	19.409	17.215	16.243	15.841	15.640	16.099	259.181

2502	308.71264	4.40479	20.452	19.161	18.693	18.525	18.462	308.71186	4.40591	20.469	19.183	18.706	18.532	18.444	4.914	325.082
2503	308.72637	3.84018	17.520	16.117	15.596	15.415	15.333	308.72343	3.83995	17.544	16.123	15.617	15.427	15.350	10.601	265.545
2504	308.77303	2.99451	20.950	19.681	19.131	18.954	18.857	308.77126	2.99208	20.932	19.662	19.139	18.933	18.882	10.835	215.973
2505	308.77773	15.01844	18.914	17.655	17.142	17.106	16.913	308.77756	15.01745	18.889	17.656	17.172	17.128	16.940	3.613	189.853
2506	308.78161	15.15613	21.567	20.112	19.401	19.305	19.072	308.77676	15.15123	21.593	20.130	19.417	19.294	19.088	24.378	223.703
2507	308.91629	5.83335	18.782	17.206	16.644	16.452	16.371	308.91918	5.83714	18.774	17.222	16.661	16.443	16.363	17.148	37.211
2508	308.95999	6.19973	18.880	17.296	16.724	16.529	16.416	308.96110	6.19836	18.863	17.319	16.738	16.513	16.387	6.337	141.208
2509	308.97624	8.93234	19.212	18.012	17.561	17.385	17.333	308.97185	8.93318	19.186	18.016	17.567	17.398	17.326	15.932	280.972
2510	308.99972	28.50648	19.828	17.941	16.999	16.584	16.346	309.00605	28.50748	19.841	17.942	17.025	16.591	16.349	20.346	79.781
2511	309.00377	9.18415	17.208	15.972	15.515	15.351	15.273	309.00684	9.19004	17.190	15.987	15.536	15.366	15.293	23.858	27.238
2512	309.01055	29.71399	20.374	18.550	17.675	17.334	17.076	309.01467	29.70661	20.369	18.560	17.688	17.340	17.068	29.538	154.173
2513	309.01489	0.53521	18.407	17.375	16.982	16.820	16.738	309.01697	0.53266	18.391	17.382	16.987	16.828	16.742	11.835	140.77
2514	309.02069	27.02663	20.629	18.317	17.393	16.999	16.773	309.02037	27.02884	20.621	18.304	17.397	17.009	16.779	8.038	352.719
2515	309.02439	0.41613	19.424	18.041	17.521	17.328	17.243	309.02754	0.41353	19.411	18.039	17.545	17.345	17.259	14.705	129.554
2516	309.03143	14.20051	21.812	19.327	18.208	17.804	17.583	309.03043	14.20348	21.827	19.331	18.220	17.815	17.608	11.254	342.111
2517	309.06129	34.89981	20.191	17.999	16.917	16.482	16.227	309.06963	34.89836	20.194	18.012	16.932	16.496	16.198	25.175	102.001
2518	309.06235	14.30216	20.133	18.737	18.239	18.048	17.986	309.05703	14.29568	20.124	18.754	18.250	18.074	18.010	29.826	218.501
2519	309.07756	45.22698	21.576	19.142	17.895	17.325	16.932	309.07664	45.22786	21.551	19.163	17.900	17.319	16.919	3.904	323.714
2520	309.08068	-0.10489	19.713	18.438	17.962	17.825	17.651	309.08416	-0.10511	19.700	18.461	17.968	17.816	17.664	12.538	93.66
2521	309.08312	28.06332	20.590	18.519	17.508	17.101	16.846	309.08075	28.05908	20.568	18.519	17.518	17.105	16.838	17.015	206.248
2522	309.08636	8.01941	19.593	18.224	17.641	17.437	17.317	309.08489	8.01632	19.580	18.202	17.645	17.452	17.339	12.275	205.244
2523	309.08667	34.73672	20.428	18.385	17.245	16.726	16.315	309.08891	34.73237	20.443	18.408	17.247	16.736	16.321	17.009	157.036
2524	309.11332	13.84599	20.445	18.435	17.614	17.356	17.209	309.11272	13.84508	20.436	18.464	17.642	17.367	17.203	3.882	212.701
2525	309.24706	5.35728	19.518	18.142	17.638	17.444	17.360	309.24413	5.35445	19.511	18.162	17.656	17.462	17.364	14.636	225.926
2526	309.29615	13.66926	19.561	18.335	17.882	17.707	17.579	309.29460	13.67423	19.540	18.327	17.900	17.722	17.595	18.689	343.137
2527	309.34128	29.52992	20.318	18.222	17.301	16.922	16.692	309.34327	29.52842	20.299	18.246	17.328	16.938	16.701	8.247	130.823
2528	309.45071	13.92508	19.580	18.308	17.807	17.674	17.536	309.44923	13.92758	19.568	18.283	17.816	17.704	17.543	10.387	330.077
2529	309.47388	58.42252	20.461	18.629	17.636	17.157	16.846	309.48252	58.42282	20.438	18.628	17.656	17.167	16.871	16.317	86.196
2530	309.50855	26.79744	20.758	19.081	18.287	17.935	17.718	309.50256	26.79757	20.765	19.056	18.295	17.927	17.731	19.255	271.397
2531	309.51940	0.28977	20.382	19.208	18.732	18.562	18.510	309.51265	0.29004	20.381	19.210	18.742	18.560	18.491	24.329	272.299
2532	309.55449	28.68563	21.451	19.500	18.211	17.640	17.249	309.55042	28.68531	21.467	19.478	18.216	17.626	17.221	12.886	264.977
2533	309.56133	36.39015	19.919	18.172	17.080	16.598	16.249	309.56974	36.39013	19.890	18.173	17.080	16.601	16.276	24.358	90.156
2534	309.57205	28.83704	21.590	19.421	18.216	17.670	17.290	309.57397	28.84373	21.578	19.425	18.226	17.690	17.301	24.839	14.122
2535	309.77023	26.41754	21.115	19.562	18.882	18.580	18.482	309.76124	26.41775	21.124	19.538	18.883	18.585	18.468	28.975	271.535
2536	309.78632	-0.28180	19.284	18.295	17.893	17.767	17.677	309.78099	-0.27666	19.307	18.301	17.902	17.755	17.703	26.649	313.999
2537	309.79063	14.21032	19.142	17.846	17.369	17.206	17.141	309.78887	14.21134	19.117	17.875	17.388	17.216	17.124	7.156	300.67
2538	309.79295	14.66880	19.482	18.194	17.647	17.526	17.472	309.79691	14.66515	19.492	18.194	17.660	17.527	17.498	19.055	133.583
2539	309.83413	3.86138	19.868	18.673	18.189	18.006	17.892	309.83938	3.85823	19.856	18.681	18.204	18.013	17.870	22.007	120.974

2540	310.05744	34.74031	21.277	19.332	18.153	17.708	17.289	310.06298	34.74273	21.304	19.309	18.175	17.694	17.291	18.54	61.969
2541	310.07271	35.22322	19.044	17.340	16.441	16.038	15.775	310.07019	35.22434	19.042	17.335	16.449	16.051	15.772	8.441	298.556
2542	310.10496	3.20714	17.101	15.731	15.231	15.069	14.977	310.10140	3.21440	17.084	15.739	15.242	15.058	14.966	29.088	333.881
2543	310.13687	26.19507	17.143	15.715	15.147	14.937	14.825	310.13388	26.19435	17.147	15.698	15.162	14.958	14.839	10.014	254.974
2544	310.14597	34.00297	20.264	18.508	17.530	17.085	16.862	310.13974	33.99820	20.274	18.521	17.555	17.109	16.868	25.335	227.271
2545	310.14651	-0.79916	18.466	17.111	16.607	16.426	16.322	310.15267	-0.79951	18.447	17.116	16.610	16.412	16.313	22.235	93.265
2546	310.17878	33.36224	20.962	19.177	18.327	17.877	17.663	310.18457	33.35887	20.977	19.162	18.338	17.890	17.692	21.223	124.861
2547	310.19681	5.43468	19.954	18.659	18.168	17.974	17.915	310.19728	5.43540	19.942	18.630	18.170	18.000	17.926	3.076	33.397
2548	310.20280	27.32009	20.405	18.508	17.645	17.217	17.037	310.20504	27.31728	20.408	18.492	17.664	17.245	17.033	12.414	144.574
2549	310.20896	14.88051	19.351	17.860	17.264	17.061	16.952	310.20595	14.87281	19.371	17.859	17.282	17.053	16.944	29.629	200.703
2550	310.22805	35.52879	21.897	19.943	18.837	18.218	17.843	310.22869	35.52186	21.882	19.962	18.864	18.242	17.824	25	175.71
2551	310.30641	26.60568	19.914	18.527	17.889	17.656	17.516	310.30104	26.60949	19.895	18.506	17.916	17.657	17.503	22.068	308.381
2552	310.32892	8.16848	17.848	16.679	16.223	16.105	16.025	310.32471	8.17293	17.858	16.684	16.246	16.087	16.004	21.959	316.856
2553	310.32994	27.09303	20.695	19.108	18.305	17.969	17.798	310.32682	27.09489	20.667	19.136	18.322	17.969	17.822	12.018	303.853
2554	310.34882	-0.73797	18.433	17.197	16.740	16.558	16.476	310.35003	-0.73817	18.437	17.203	16.751	16.573	16.493	4.418	99.418
2555	310.40820	15.41609	18.906	17.301	16.653	16.499	16.281	310.40352	15.42090	18.899	17.316	16.656	16.511	16.270	23.736	316.833
2556	310.42287	34.39917	19.523	17.738	16.882	16.465	16.260	310.42171	34.40257	19.524	17.766	16.892	16.481	16.264	12.71	344.363
2557	310.52205	26.13039	17.852	16.507	16.021	15.855	15.770	310.53009	26.12984	17.873	16.517	16.028	15.867	15.785	26.056	94.408
2558	310.54122	34.19368	21.112	19.132	18.148	17.686	17.456	310.53252	34.19713	21.091	19.153	18.165	17.704	17.468	28.732	295.62
2559	310.55126	15.90202	18.658	17.092	16.481	16.255	16.187	310.54915	15.90514	18.681	17.070	16.496	16.283	16.214	13.402	326.976
2560	310.56452	33.76469	21.771	19.463	18.456	18.036	17.756	310.56556	33.76306	21.770	19.446	18.469	18.011	17.736	6.654	152.177
2561	310.57806	8.65394	19.251	17.993	17.472	17.315	17.208	310.57102	8.65376	19.257	18.002	17.491	17.316	17.211	25.075	268.538
2562	310.59278	35.62590	19.711	17.813	16.867	16.414	16.092	310.59025	35.62096	19.716	17.825	16.872	16.439	16.097	19.261	202.597
2563	310.59494	14.35745	19.170	17.348	16.607	16.336	16.189	310.59805	14.35074	19.180	17.324	16.611	16.352	16.194	26.463	155.802
2564	310.60095	33.93871	20.714	18.954	18.133	17.758	17.509	310.60626	33.94503	20.725	18.981	18.160	17.774	17.515	27.739	34.905
2565	310.60488	39.14293	19.441	17.518	16.491	16.033	15.733	310.60290	39.14996	19.463	17.524	16.498	16.056	15.761	25.933	347.668
2566	310.62192	34.07061	19.012	17.234	16.371	15.955	15.683	310.61608	34.07385	18.984	17.254	16.390	15.965	15.690	20.96	303.817
2567	310.63708	36.92370	21.374	19.160	18.015	17.467	17.061	310.63766	36.91917	21.400	19.180	18.036	17.473	17.088	16.394	174.19
2568	310.69070	44.92857	20.941	18.473	17.265	16.612	16.137	310.69983	44.92426	20.965	18.479	17.266	16.602	16.139	27.966	123.656
2569	310.69508	34.79804	20.877	18.740	17.764	17.404	17.058	310.69437	34.80060	20.847	18.754	17.768	17.404	17.050	9.454	347.189
2570	310.75399	45.58363	20.001	18.050	17.142	16.695	16.391	310.75584	45.58567	20.019	18.076	17.151	16.710	16.409	8.696	32.416
2571	310.79115	15.97903	19.387	17.801	17.241	16.927	16.780	310.79366	15.97972	19.395	17.822	17.261	16.939	16.773	9.026	73.895
2572	310.80215	2.30396	19.197	17.878	17.348	17.140	17.063	310.80132	2.30422	19.170	17.852	17.361	17.127	17.043	3.106	287.55
2573	310.80271	34.70580	20.918	18.656	17.707	17.297	17.056	310.80620	34.70705	20.898	18.668	17.721	17.307	17.046	11.273	66.479
2574	310.80629	37.05565	21.911	19.727	18.596	18.014	17.633	310.81473	37.05518	21.910	19.735	18.601	18.003	17.631	24.295	93.948
2575	310.85642	34.76872	20.657	18.711	17.789	17.370	17.154	310.86340	34.77021	20.677	18.724	17.814	17.370	17.180	21.34	75.395
2576	310.99405	35.16602	20.040	18.338	17.495	17.095	16.856	310.99398	35.17229	20.029	18.309	17.514	17.123	16.878	22.576	359.492
2577	311.02334	57.27412	19.729	17.480	16.388	15.889	15.592	311.03068	57.27063	19.727	17.506	16.409	15.886	15.571	19.02	131.312

2578	311.07383	16.52603	19.597	18.256	17.760	17.581	17.465	311.06861	16.52174	19.598	18.266	17.762	17.572	17.452	23.73	229.37
2579	311.08894	2.40193	20.239	18.800	18.288	18.118	18.021	311.09113	2.40805	20.235	18.782	18.309	18.114	17.998	23.408	19.692
2580	311.09688	27.30766	19.184	17.873	17.327	17.046	16.863	311.10215	27.31067	19.201	17.896	17.337	17.043	16.867	20.051	57.246
2581	311.10214	25.73636	21.133	19.122	18.294	18.047	17.898	311.10961	25.73988	21.145	19.120	18.307	18.047	17.919	27.335	62.385
2582	311.21191	25.95640	20.197	18.719	18.049	17.809	17.559	311.21581	25.96282	20.208	18.715	18.054	17.789	17.580	26.348	28.661
2583	311.22900	-0.63891	18.259	16.961	16.456	16.272	16.168	311.23015	-0.63726	18.275	16.951	16.459	16.289	16.191	7.228	35.021
2584	311.27324	4.24471	18.979	17.799	17.352	17.202	17.123	311.27413	4.24612	19.009	17.805	17.372	17.209	17.153	6.015	32.101
2585	311.37150	26.43520	21.738	20.047	19.233	18.919	18.759	311.37325	26.42804	21.740	20.036	19.236	18.899	18.750	26.373	167.632
2586	311.46337	-5.70219	20.340	19.144	18.630	18.456	18.389	311.45745	-5.70146	20.324	19.152	18.632	18.460	18.391	21.356	277.056
2587	311.58714	27.90610	19.472	18.094	17.513	17.288	17.179	311.58993	27.90824	19.471	18.117	17.536	17.312	17.166	11.759	49.022
2588	311.61225	45.82468	21.688	19.267	18.225	17.770	17.497	311.60323	45.82535	21.686	19.258	18.228	17.789	17.509	22.746	276.091
2589	311.62405	5.56319	18.717	17.317	16.781	16.545	16.425	311.63049	5.56584	18.747	17.337	16.786	16.558	16.432	24.971	67.572
2590	311.81800	45.74134	17.962	16.331	15.633	15.314	15.105	311.81361	45.74305	17.939	16.348	15.640	15.327	15.131	12.657	299.254
2591	311.81845	40.02031	21.885	19.480	17.897	17.047	16.435	311.82441	40.01404	21.909	19.471	17.917	17.053	16.441	27.925	143.891
2592	311.82047	5.75576	20.381	17.909	16.805	16.426	16.183	311.81964	5.75592	20.399	17.923	16.824	16.405	16.194	3.045	281.125
2593	311.87236	14.42157	20.802	18.458	17.523	17.185	16.945	311.87173	14.42823	20.830	18.467	17.532	17.203	16.973	24.072	354.724
2594	311.88417	56.76550	21.578	19.714	18.643	18.135	17.802	311.88997	56.77155	21.607	19.704	18.654	18.125	17.790	24.626	27.689
2595	311.89194	25.99954	18.459	17.194	16.762	16.564	16.491	311.89519	25.99518	18.462	17.216	16.774	16.571	16.493	18.877	146.198
2596	311.91929	14.80075	20.026	18.593	18.043	17.833	17.709	311.92554	14.80588	20.044	18.622	18.063	17.831	17.695	28.525	49.686
2597	311.97224	25.45701	18.693	17.109	16.515	16.294	16.173	311.96366	25.45994	18.699	17.115	16.518	16.290	16.169	29.834	290.742
2598	312.01921	-4.79375	20.296	18.528	17.855	17.633	17.496	312.02134	-4.80097	20.277	18.529	17.874	17.642	17.515	27.084	163.632
2599	312.05134	25.49491	19.961	18.542	17.958	17.737	17.620	312.04284	25.49340	19.945	18.554	17.961	17.721	17.619	28.164	258.861
2600	312.39579	16.76697	20.112	19.040	18.652	18.490	18.477	312.40056	16.76191	20.109	19.024	18.657	18.502	18.464	24.531	137.916
2601	312.44248	26.32621	20.032	18.278	17.547	17.287	17.137	312.43368	26.32367	20.039	18.275	17.574	17.306	17.161	29.834	252.213
2602	312.51159	26.89799	20.246	18.578	17.980	17.714	17.575	312.50682	26.89538	20.228	18.594	17.999	17.701	17.567	17.968	238.454
2603	312.55624	57.18717	20.925	18.834	17.759	17.241	16.901	312.55766	57.18385	20.941	18.862	17.778	17.232	16.897	12.265	166.992
2604	312.56770	57.77307	21.757	19.571	18.470	17.971	17.644	312.58293	57.77479	21.741	19.590	18.491	17.975	17.632	29.891	77.993
2605	312.61732	-15.47096	18.813	17.453	16.925	16.717	16.601	312.61318	-15.47305	18.785	17.447	16.932	16.741	16.621	16.231	242.382
2606	312.68536	14.98390	20.285	18.841	18.235	18.202	17.857	312.67921	14.98227	20.294	18.850	18.259	18.211	17.861	22.196	254.685
2607	312.77507	9.61843	18.507	17.382	16.967	16.816	16.762	312.76831	9.61564	18.522	17.396	16.988	16.833	16.781	26.027	247.321
2608	312.78647	2.14079	19.019	17.901	17.443	17.261	17.167	312.78196	2.14289	19.046	17.914	17.455	17.284	17.171	17.886	294.999
2609	313.00791	54.88260	20.199	18.199	17.090	16.569	16.247	313.01776	54.88692	20.187	18.210	17.111	16.582	16.252	25.654	52.662
2610	313.03719	-5.05026	20.656	18.987	18.290	18.015	17.841	313.03885	-5.05668	20.666	19.015	18.308	18.024	17.870	23.862	165.555
2611	313.16191	15.01108	19.338	17.769	17.149	16.905	16.793	313.16066	15.01652	19.350	17.781	17.176	16.923	16.779	20.051	347.426
2612	313.17902	26.25183	18.980	17.596	17.049	16.824	16.761	313.17862	26.24939	18.961	17.594	17.059	16.846	16.769	8.886	188.466
2613	313.31149	25.03448	19.130	17.501	16.786	16.521	16.388	313.30971	25.03819	19.145	17.493	16.795	16.536	16.392	14.571	336.523
2614	313.37755	16.03951	18.460	17.213	16.738	16.568	16.453	313.37802	16.03369	18.457	17.228	16.753	16.580	16.472	21.016	175.555
2615	313.40567	8.65390	16.817	15.435	15.317	14.780	14.733	313.40879	8.65114	16.806	15.421	15.326	14.788	14.743	14.909	131.891

2616	313.54425	3.52247	20.408	18.229	17.341	17.044	16.872	313.53794	3.51932	20.380	18.234	17.357	17.057	16.880	25.312	243.446
2617	313.58952	26.12005	21.668	20.435	19.691	19.432	19.187	313.58498	26.12378	21.665	20.418	19.700	19.412	19.208	19.876	312.372
2618	313.59025	45.40122	20.763	18.415	17.372	16.809	16.465	313.59783	45.40522	20.784	18.426	17.377	16.824	16.468	23.96	53.118
2619	313.62871	45.29876	17.384	15.628	15.085	14.872	14.793	313.63707	45.29616	17.390	15.654	15.098	14.865	14.782	23.153	113.894
2620	313.68435	54.53109	19.916	18.046	17.015	16.530	16.205	313.67929	54.52851	19.934	18.036	17.036	16.538	16.215	14.09	228.598
2621	313.70685	23.78523	19.106	17.594	16.969	16.702	16.586	313.71181	23.77879	19.115	17.609	16.988	16.711	16.569	28.378	144.819
2622	313.71805	17.03085	18.361	16.848	16.284	16.078	15.974	313.71572	17.02842	18.369	16.853	16.285	16.074	15.968	11.885	222.558
2623	313.71869	40.03899	18.857	16.864	15.862	15.380	15.082	313.71969	40.03358	18.848	16.887	15.883	15.374	15.058	19.665	171.91
2624	313.79306	45.80381	19.660	17.809	16.927	16.529	16.298	313.80220	45.80624	19.638	17.799	16.951	16.534	16.298	24.532	69.101
2625	313.79889	23.72769	17.937	16.532	16.005	15.805	15.709	313.80101	23.73110	17.912	16.532	16.028	15.814	15.718	14.121	29.562
2626	313.83860	39.92757	20.839	18.634	17.426	16.817	16.480	313.83819	39.93398	20.863	18.624	17.433	16.822	16.496	23.11	357.152
2627	313.85282	6.39766	19.252	17.987	17.527	17.370	17.266	313.85921	6.39461	19.240	18.010	17.556	17.393	17.285	25.351	115.726
2628	313.85703	23.76430	19.007	17.398	16.761	16.509	16.373	313.86179	23.76781	18.990	17.417	16.778	16.499	16.367	20.173	51.138
2629	313.98140	8.96670	17.955	16.617	16.129	15.941	15.858	313.97339	8.96605	17.949	16.615	16.139	15.953	15.868	28.601	265.269
2630	314.00440	-7.59554	17.512	16.022	15.505	15.322	15.244	314.00602	-7.59068	17.531	16.044	15.523	15.333	15.255	18.413	18.287
2631	314.13033	15.97476	21.305	19.745	19.092	18.872	18.661	314.13460	15.98034	21.282	19.755	19.098	18.873	18.686	24.938	36.348
2632	314.21389	24.62458	17.080	15.655	15.063	14.837	14.717	314.21285	24.63159	17.068	15.662	15.075	14.829	14.727	25.468	352.289
2633	314.29348	8.81883	19.043	17.486	16.906	16.705	16.600	314.29129	8.82144	19.033	17.509	16.929	16.706	16.601	12.21	320.376
2634	314.38748	40.79173	20.548	18.230	16.851	16.205	15.769	314.39537	40.79108	20.559	18.226	16.872	16.205	15.795	21.618	96.185
2635	314.41131	24.44041	21.182	19.265	18.453	18.140	17.923	314.40598	24.43687	21.160	19.279	18.479	18.141	17.940	21.641	233.907
2636	314.49388	57.27219	21.603	19.387	18.063	17.380	16.970	314.48144	57.27527	21.605	19.408	18.075	17.376	16.984	26.632	294.614
2637	314.52928	25.22997	18.352	16.996	16.417	16.178	16.059	314.53017	25.22813	18.354	16.982	16.424	16.184	16.076	7.227	156.406
2638	314.68664	10.14606	18.521	17.102	16.523	16.284	16.165	314.68767	10.14486	18.532	17.103	16.524	16.287	16.184	5.653	139.607
2639	314.69887	24.26629	18.640	17.122	16.521	16.302	16.165	314.70272	24.27139	18.655	17.124	16.524	16.303	16.150	22.293	34.584
2640	314.71043	-0.63185	19.250	18.074	17.633	17.459	17.430	314.71265	-0.62455	19.234	18.093	17.643	17.457	17.406	27.466	16.969
2641	314.79565	17.39900	21.722	19.331	18.337	18.009	17.838	314.79449	17.40060	21.693	19.337	18.362	18.028	17.833	6.977	325.293
2642	314.84364	7.21859	19.076	17.641	17.098	16.908	16.803	314.85144	7.21965	19.100	17.666	17.111	16.893	16.783	28.133	82.143
2643	314.90832	17.14982	17.593	16.419	15.937	15.759	15.743	314.91015	17.14529	17.599	16.390	15.944	15.783	15.763	17.47	158.926
2644	314.95907	16.48617	18.327	16.997	16.515	16.325	16.243	314.95524	16.48361	18.347	17.026	16.523	16.314	16.231	16.117	235.217
2645	314.97981	17.67931	17.941	16.547	16.060	15.888	15.814	314.97638	17.68259	17.954	16.567	16.072	15.906	15.826	16.656	315.175
2646	315.02955	53.76578	21.101	18.487	16.916	16.114	15.574	315.02661	53.76148	21.098	18.476	16.930	16.112	15.574	16.687	202.034
2647	315.17468	6.96940	18.097	16.573	16.005	15.823	15.733	315.17902	6.96330	18.111	16.576	16.007	15.816	15.718	26.907	144.773
2648	315.18973	18.07668	18.656	17.332	16.853	16.668	16.568	315.19446	18.07362	18.673	17.344	16.861	16.683	16.585	19.575	124.16
2649	315.23500	23.79438	19.585	18.070	17.432	17.220	17.050	315.22723	23.79238	19.568	18.094	17.444	17.209	17.067	26.574	254.311
2650	315.41290	55.09011	21.521	19.041	17.702	16.974	16.515	315.42424	55.08740	21.529	19.045	17.711	16.967	16.519	25.325	112.694
2651	315.42563	7.12359	17.707	16.586	16.211	16.077	16.035	315.41981	7.12239	17.734	16.584	16.215	16.086	16.037	21.253	258.246
2652	315.53382	-4.33104	19.144	17.859	17.387	17.178	17.088	315.53048	-4.32993	19.135	17.889	17.401	17.197	17.115	12.635	288.436
2653	315.66159	17.62440	18.983	17.853	17.418	17.275	17.208	315.66775	17.62284	18.991	17.879	17.443	17.293	17.206	21.866	104.938

2654	315.68937	17.54640	19.022	17.729	17.244	17.052	16.947	315.68299	17.54233	19.012	17.721	17.259	17.059	16.969	26.355	236.163
2655	315.76082	17.91655	20.536	18.290	17.504	17.212	17.079	315.75984	17.92017	20.521	18.300	17.509	17.227	17.103	13.462	345.445
2656	316.02402	7.38314	20.110	18.946	18.405	18.186	18.062	316.02201	7.37942	20.134	18.937	18.408	18.184	18.064	15.217	208.244
2657	316.03812	22.67817	20.176	18.736	18.128	17.899	17.803	316.03560	22.67288	20.192	18.753	18.149	17.904	17.791	20.802	203.668
2658	316.04307	45.42523	19.344	17.865	16.835	16.339	15.968	316.04553	45.42271	19.369	17.888	16.841	16.352	15.985	10.996	145.518
2659	316.12578	8.68999	17.787	16.477	16.002	15.824	15.768	316.12076	8.68676	17.787	16.476	16.003	15.830	15.768	21.319	236.936
2660	316.22217	24.71006	17.896	16.459	15.844	15.603	15.480	316.22572	24.70377	17.913	16.453	15.854	15.615	15.491	25.443	152.83
2661	316.44173	-1.92710	21.158	20.087	19.720	19.533	19.585	316.44383	-1.92409	21.152	20.077	19.740	19.535	19.586	13.213	34.839
2662	316.47644	3.09461	19.596	17.976	17.277	17.015	16.885	316.47031	3.09197	19.593	17.965	17.280	17.028	16.900	23.993	246.735
2663	316.51152	44.60418	21.409	18.997	17.706	17.050	16.671	316.52294	44.60313	21.390	18.995	17.736	17.075	16.676	29.524	97.405
2664	316.67976	-3.29779	19.157	17.559	16.929	16.690	16.578	316.67758	-3.30288	19.171	17.572	16.938	16.692	16.565	19.907	203.131
2665	316.87943	55.88920	20.925	18.843	17.665	17.063	16.704	316.87303	55.88692	20.918	18.862	17.668	17.065	16.688	15.313	237.575
2666	316.88769	-0.22393	16.501	15.152	14.646	14.474	14.396	316.88561	-0.22497	16.518	15.170	14.657	14.480	14.413	8.367	243.317
2667	317.13382	-8.34353	18.499	17.240	16.758	16.571	16.481	317.13627	-8.34513	18.528	17.231	16.761	16.563	16.480	10.488	123.413
2668	317.19383	44.57285	21.151	19.435	18.046	17.377	16.896	317.19930	44.57919	21.143	19.407	18.061	17.366	16.920	26.778	31.557
2669	317.22051	55.00349	21.610	18.368	16.678	15.839	15.267	317.22343	55.00760	21.614	18.370	16.683	15.857	15.271	15.97	22.174
2670	317.31007	53.47189	19.899	17.516	16.122	15.427	14.992	317.29950	53.46869	19.870	17.520	16.129	15.430	15.006	25.406	243.051
2671	317.32615	17.75721	18.713	17.187	16.601	16.412	16.278	317.32760	17.75507	18.690	17.172	16.611	16.414	16.278	9.184	147.074
2672	317.32960	74.11527	19.337	17.349	16.264	15.729	15.425	317.34739	74.11891	19.352	17.351	16.265	15.732	15.421	21.881	53.218
2673	317.36174	22.23056	18.484	16.814	16.141	15.924	15.790	317.35723	22.22740	18.471	16.811	16.157	15.899	15.778	18.874	232.83
2674	317.42568	16.70252	19.833	18.429	17.890	17.708	17.584	317.42300	16.69909	19.819	18.417	17.893	17.705	17.569	15.415	216.811
2675	317.49345	2.53587	18.128	16.773	16.220	16.018	15.916	317.49843	2.53518	18.120	16.784	16.223	16.008	15.891	18.053	97.89
2676	317.54093	43.61363	20.029	18.278	17.390	16.954	16.697	317.54029	43.61633	20.014	18.271	17.394	16.977	16.701	9.861	350.286
2677	317.70443	43.65957	21.892	20.166	19.027	18.554	18.246	317.69843	43.66072	21.888	20.154	19.044	18.553	18.222	16.175	284.92
2678	317.84315	45.25205	20.039	18.073	17.243	16.913	16.709	317.84065	45.25111	20.040	18.084	17.270	16.937	16.695	7.187	242.005
2679	318.03531	23.11928	19.857	18.416	17.756	17.515	17.399	318.03210	23.12678	19.860	18.411	17.767	17.537	17.403	29.008	338.495
2680	318.21158	21.36469	19.512	17.784	17.058	16.815	16.651	318.21215	21.35914	19.512	17.781	17.074	16.823	16.672	20.053	174.545
2681	318.23271	21.51157	18.344	16.933	16.346	16.113	15.997	318.22735	21.51672	18.338	16.918	16.353	16.139	16.011	25.816	315.937
2682	318.27771	18.80852	19.540	18.072	17.453	17.226	17.101	318.27837	18.80941	19.522	18.066	17.453	17.210	17.129	3.907	34.813
2683	318.38461	22.43698	17.620	16.253	15.708	15.507	15.452	318.39326	22.43870	17.617	16.254	15.721	15.524	15.463	29.435	77.875
2684	318.46734	21.91463	20.336	19.059	18.558	18.369	18.311	318.47409	21.91960	20.345	19.081	18.586	18.372	18.334	28.791	51.589
2685	318.65108	20.50731	19.027	17.733	17.205	17.016	16.907	318.64330	20.51129	19.054	17.750	17.225	17.014	16.893	29.895	298.671
2686	318.68041	3.04972	18.638	17.012	16.351	16.101	15.969	318.68744	3.04970	18.656	17.026	16.380	16.118	15.975	25.256	90.123
2687	318.69287	4.47065	20.101	18.582	17.981	17.766	17.630	318.68470	4.47148	20.122	18.581	18.000	17.785	17.658	29.479	275.776
2688	318.71436	17.23894	20.580	19.315	18.787	18.584	18.425	318.70584	17.23973	20.601	19.316	18.788	18.570	18.441	29.425	275.552
2689	318.78616	43.05610	20.035	18.148	17.205	16.772	16.459	318.77691	43.05846	20.025	18.174	17.214	16.787	16.479	25.778	289.239
2690	318.83843	23.23299	21.562	19.811	19.071	18.789	18.678	318.84438	23.23490	21.583	19.837	19.075	18.809	18.694	20.856	70.688
2691	318.84183	10.48260	21.762	19.466	18.384	17.935	17.623	318.83993	10.47798	21.774	19.456	18.397	17.939	17.607	17.923	201.933

2692	318.88548	12.62392	18.452	17.049	16.547	16.370	16.290	318.89190	12.61921	18.480	17.079	16.553	16.357	16.276	28.192	126.917
2693	318.95496	5.46069	20.225	18.925	18.339	18.144	18.029	318.95580	5.45669	20.220	18.904	18.348	18.127	18.030	14.697	168.183
2694	319.00897	73.35133	20.444	18.701	17.735	17.246	16.942	319.00894	73.34610	20.473	18.684	17.744	17.244	16.967	18.805	180.092
2695	319.03477	43.42788	17.524	16.018	15.388	15.119	14.948	319.03035	43.43519	17.498	15.993	15.415	15.137	14.969	28.728	336.251
2696	319.07926	54.01011	21.150	18.797	17.362	16.649	16.166	319.07810	54.01278	21.128	18.791	17.363	16.631	16.138	9.916	345.649
2697	319.14738	11.16614	18.472	17.101	16.602	16.432	16.348	319.15308	11.16745	18.499	17.129	16.614	16.439	16.360	20.699	76.841
2698	319.20536	54.70255	21.937	19.534	18.206	17.565	17.155	319.20447	54.70172	21.966	19.516	18.236	17.586	17.150	3.522	211.62
2699	319.30854	19.84680	20.837	19.660	19.157	18.960	18.915	319.30771	19.85222	20.865	19.649	19.174	18.976	18.914	19.69	351.771
2700	319.34558	8.41373	16.826	15.736	15.457	15.363	15.363	319.34065	8.40929	16.815	15.741	15.474	15.377	15.378	23.759	227.64
2701	319.36470	43.87502	17.891	16.336	15.679	15.411	15.242	319.35620	43.87072	17.870	16.347	15.694	15.418	15.236	26.97	234.909
2702	319.41572	43.08613	20.249	18.482	17.681	17.305	17.032	319.41462	43.07941	20.245	18.497	17.690	17.326	17.048	24.351	186.855
2703	319.46574	44.24688	18.538	16.577	15.734	15.388	15.157	319.46145	44.24191	18.517	16.588	15.740	15.395	15.156	21.044	211.714
2704	319.47898	2.15837	18.424	17.137	16.652	16.514	16.436	319.47462	2.15520	18.440	17.146	16.665	16.510	16.420	19.411	234.024
2705	319.59556	9.86286	19.054	16.471	15.156	14.612	14.324	319.59791	9.86252	19.054	16.481	15.169	14.625	14.330	8.428	98.375
2706	319.69361	8.12068	21.638	20.157	19.462	19.233	19.047	319.69779	8.12653	21.634	20.165	19.469	19.241	19.051	25.799	35.259
2707	319.71043	44.24306	21.766	19.462	18.415	17.917	17.629	319.70411	44.24288	21.754	19.487	18.442	17.924	17.617	16.314	267.724
2708	319.82929	-9.78764	18.261	16.946	16.462	16.282	16.239	319.82329	-9.79231	18.250	16.964	16.480	16.310	16.247	27.117	231.607
2709	319.85443	43.35460	20.988	19.036	18.084	17.635	17.323	319.86044	43.35828	20.991	19.025	18.095	17.658	17.338	20.549	49.943
2710	319.90297	43.36799	19.784	17.989	17.074	16.661	16.371	319.89252	43.36523	19.796	17.995	17.101	16.676	16.397	29.091	250.024
2711	320.13681	-10.41772	19.451	17.792	17.130	16.886	16.730	320.13967	-10.42115	19.469	17.790	17.132	16.894	16.738	15.953	140.615
2712	320.18817	27.03802	17.840	16.422	15.904	15.735	15.659	320.19079	27.04441	17.869	16.439	15.916	15.735	15.647	24.505	20.087
2713	320.21406	20.07482	20.542	19.306	18.790	18.617	18.494	320.21935	20.06965	20.557	19.293	18.803	18.597	18.489	25.781	136.119
2714	320.24586	45.08353	21.313	19.421	18.302	17.752	17.383	320.25256	45.08025	21.297	19.438	18.303	17.769	17.406	20.728	124.716
2715	320.27646	11.47394	18.901	17.536	17.012	16.851	16.746	320.27416	11.46894	18.872	17.512	17.023	16.860	16.769	19.747	204.297
2716	320.30134	19.45776	20.656	18.423	17.529	17.210	16.995	320.30452	19.45057	20.685	18.399	17.554	17.236	17.014	28.051	157.408
2717	320.39148	20.80122	17.454	16.201	15.723	15.534	15.456	320.39148	20.80260	17.474	16.218	15.736	15.549	15.479	4.965	0.082
2718	320.56087	5.09738	17.786	15.940	15.266	15.032	14.889	320.55345	5.09927	17.759	15.968	15.272	15.035	14.899	27.452	284.379
2719	320.62158	22.75973	19.815	17.844	17.075	16.793	16.648	320.61270	22.76074	19.814	17.848	17.088	16.817	16.654	29.717	277.085
2720	320.63500	16.97171	20.512	18.890	18.300	18.066	17.979	320.63905	16.96866	20.519	18.902	18.323	18.058	17.985	17.769	128.251
2721	320.73420	11.17957	19.397	17.996	17.451	17.238	17.126	320.73093	11.18177	19.425	18.026	17.471	17.263	17.137	14.011	304.285
2722	320.73884	52.37103	21.644	18.972	17.545	16.302	15.676	320.73803	52.36846	21.637	18.965	17.548	16.316	15.699	9.449	190.909
2723	321.16700	17.84740	19.366	17.762	17.161	16.940	16.821	321.17441	17.84795	19.356	17.747	17.187	16.965	16.841	25.457	85.567
2724	321.40314	50.34498	21.317	18.965	17.675	16.986	16.507	321.40615	50.34900	21.305	18.964	17.686	16.981	16.521	16.03	25.496
2725	321.43888	19.62022	20.638	19.393	18.848	18.658	18.604	321.43456	19.62011	20.623	19.401	18.850	18.661	18.596	14.647	268.396
2726	322.24463	19.11367	17.575	16.237	15.737	15.534	15.439	322.24063	19.11805	17.604	16.234	15.739	15.515	15.412	20.837	319.233
2727	322.26914	12.27320	21.221	20.334	19.958	19.847	19.620	322.26926	12.27533	21.203	20.317	19.979	19.843	19.612	7.69	3.049
2728	322.32199	19.57036	19.661	17.994	17.362	17.144	17.057	322.32494	19.57288	19.671	18.015	17.366	17.129	17.036	13.521	47.834
2729	322.35574	49.54604	20.745	18.679	17.654	17.160	16.846	322.36429	49.55062	20.725	18.695	17.656	17.143	16.851	25.907	50.463

2730	322.35593	49.99215	21.243	19.018	17.761	17.192	16.694	322.35529	49.99360	21.245	19.036	17.773	17.187	16.697	5.424	344.249
2731	322.45462	9.44287	19.641	18.304	17.835	17.668	17.596	322.44712	9.44211	19.619	18.302	17.838	17.664	17.577	26.793	264.062
2732	322.68167	49.12427	18.953	17.221	16.368	16.026	15.735	322.68627	49.13051	18.962	17.243	16.390	15.997	15.736	24.948	25.705
2733	322.68311	18.85987	18.628	17.236	16.692	16.473	16.378	322.68121	18.85265	18.621	17.211	16.693	16.473	16.384	26.781	193.962
2734	322.76460	49.55194	17.731	16.051	15.668	15.524	15.433	322.76394	49.54777	17.739	16.065	15.682	15.525	15.458	15.076	185.853
2735	322.82617	18.03888	18.401	17.033	16.494	16.298	16.204	322.81850	18.04231	18.394	17.039	16.509	16.311	16.195	29.008	295.185
2736	323.01471	51.30968	20.901	18.776	17.659	17.136	16.762	323.01360	51.30681	20.927	18.769	17.670	17.140	16.779	10.636	193.582
2737	323.04595	-8.61699	18.825	17.383	16.879	16.686	16.594	323.04992	-8.62225	18.797	17.396	16.883	16.674	16.565	23.624	143.302
2738	323.04800	50.34565	16.692	15.316	14.766	14.598	14.452	323.05201	50.34767	16.698	15.305	14.777	14.604	14.445	11.724	51.771
2739	323.07091	52.39700	19.003	17.167	16.179	15.722	15.458	323.07970	52.39758	18.982	17.175	16.206	15.749	15.476	19.415	83.801
2740	323.13827	50.30952	19.296	17.748	16.957	16.629	16.433	323.14320	50.31618	19.274	17.771	16.961	16.636	16.404	26.545	25.328
2741	323.22720	27.31657	18.670	17.146	16.510	16.255	16.080	323.22222	27.32262	18.655	17.146	16.515	16.240	16.075	26.969	323.768
2742	323.33243	51.69632	18.625	16.895	16.025	15.617	15.378	323.34045	51.70047	18.621	16.925	16.027	15.618	15.380	23.311	50.183
2743	323.35078	48.66792	16.896	15.364	14.660	14.366	14.193	323.34837	48.66596	16.921	15.374	14.683	14.394	14.214	9.082	219.01
2744	323.44069	51.37921	20.186	18.320	17.297	16.794	16.471	323.44667	51.38560	20.178	18.329	17.302	16.806	16.476	26.641	30.271
2745	323.44780	72.77215	21.078	19.065	17.906	17.331	16.963	323.43413	72.76873	21.077	19.045	17.924	17.333	16.990	19.08	229.81
2746	323.57018	51.96661	21.087	19.185	18.068	17.571	17.171	323.57903	51.97156	21.114	19.160	18.071	17.552	17.190	26.516	47.738
2747	323.64963	48.88629	21.565	19.765	18.715	18.253	18.071	323.65140	48.88654	21.566	19.775	18.744	18.279	18.063	4.274	77.557
2748	323.67702	6.16814	21.453	20.247	19.678	19.485	19.410	323.67411	6.16641	21.474	20.228	19.687	19.491	19.430	12.141	239.078
2749	323.68251	26.16145	20.379	19.020	18.470	18.234	18.111	323.68676	26.16327	20.357	19.043	18.499	18.249	18.115	15.214	64.551
2750	323.76702	48.49213	21.772	19.790	18.829	18.390	18.065	323.76228	48.49230	21.774	19.812	18.848	18.407	18.079	11.325	273.133
2751	323.80099	50.74683	19.572	17.920	17.185	16.900	16.709	323.80228	50.74454	19.592	17.950	17.190	16.879	16.687	8.765	160.465
2752	323.81880	48.41471	18.246	16.528	15.705	15.380	15.138	323.82522	48.41190	18.275	16.548	15.725	15.380	15.140	18.377	123.442
2753	323.83925	48.31272	21.275	19.396	18.407	18.010	17.687	323.83415	48.31874	21.297	19.419	18.412	18.018	17.684	24.867	330.606
2754	323.95024	48.86545	19.286	17.588	16.893	16.557	16.328	323.96240	48.86333	19.277	17.592	16.895	16.571	16.351	29.805	104.835
2755	323.99842	26.32246	18.707	17.143	16.523	16.302	16.181	324.00397	26.32711	18.721	17.168	16.542	16.312	16.204	24.504	46.963
2756	324.06970	28.89890	18.357	16.864	16.263	16.035	15.924	324.07284	28.90202	18.350	16.879	16.270	16.035	15.910	14.964	41.27
2757	324.08826	29.07879	20.183	18.825	18.363	18.253	18.102	324.08257	29.07838	20.153	18.806	18.365	18.279	18.109	17.957	265.351
2758	324.15728	49.89050	18.630	17.240	16.409	16.120	15.994	324.14738	49.89282	18.616	17.256	16.429	16.149	16.016	24.44	290.011
2759	324.16311	48.86824	19.831	18.139	17.355	16.976	16.760	324.16650	48.87007	19.825	18.154	17.363	16.991	16.759	10.401	50.46
2760	324.24180	48.52955	20.096	18.270	17.357	16.972	16.681	324.23839	48.53572	20.100	18.295	17.365	17.000	16.683	23.654	339.873
2761	324.26324	50.36349	19.438	17.790	17.038	16.696	16.515	324.27444	50.36250	19.467	17.816	17.054	16.717	16.518	25.969	97.944
2762	324.36922	5.17719	18.433	17.254	16.808	16.633	16.585	324.37474	5.17810	18.406	17.247	16.821	16.656	16.587	20.061	80.608
2763	324.40213	48.83074	19.629	18.078	17.281	16.965	16.711	324.40391	48.82393	19.616	18.083	17.299	16.965	16.696	24.876	170.268
2764	324.44406	-5.25393	18.147	16.909	16.473	16.317	16.246	324.45169	-5.25631	18.164	16.932	16.497	16.328	16.272	28.675	107.403
2765	324.65526	28.66157	20.864	18.640	17.650	17.241	16.994	324.65070	28.66851	20.880	18.634	17.675	17.258	16.977	28.836	330.019
2766	324.72922	48.98369	20.154	18.389	17.546	17.220	16.992	324.74128	48.98470	20.168	18.368	17.551	17.212	16.990	28.713	82.714
2767	324.73698	49.18438	20.215	18.345	17.474	17.124	16.898	324.73749	49.18536	20.188	18.320	17.501	17.142	16.907	3.717	18.757

2768	324.80115	25.89917	19.919	18.153	17.510	17.246	17.125	324.80528	25.90239	19.921	18.171	17.513	17.266	17.134	17.681	49.113
2769	324.83408	48.06648	19.805	18.213	17.461	17.144	16.949	324.82569	48.06606	19.834	18.237	17.490	17.160	16.951	20.239	265.761
2770	324.85544	48.57768	20.031	17.673	16.509	15.835	15.435	324.84913	48.57052	20.054	17.701	16.525	15.847	15.427	29.848	210.239
2771	324.85594	49.46019	20.036	18.415	17.642	17.337	17.111	324.85054	49.46362	20.008	18.399	17.651	17.355	17.137	17.676	314.368
2772	325.04915	19.95460	21.426	19.911	19.231	18.953	18.776	325.05082	19.95920	21.443	19.882	19.244	18.964	18.785	17.49	18.844
2773	325.07613	-0.19035	17.360	15.826	15.268	15.086	15.001	325.07407	-0.19573	17.378	15.839	15.281	15.097	15.008	20.744	200.928
2774	325.07789	50.60033	20.536	18.403	17.439	16.987	16.718	325.07605	50.60045	20.534	18.429	17.461	17.003	16.722	4.244	276.067
2775	325.13831	48.89342	21.669	19.744	18.739	18.325	17.990	325.13768	48.89706	21.668	19.751	18.764	18.312	17.986	13.176	353.536
2776	325.14136	48.73537	21.016	19.165	18.135	17.675	17.417	325.13249	48.73020	21.014	19.151	18.138	17.690	17.399	28.094	228.521
2777	325.14820	48.32836	20.575	18.631	17.611	17.100	16.738	325.15458	48.32384	20.566	18.628	17.627	17.117	16.757	22.33	136.804
2778	325.29698	47.38886	21.120	18.897	17.692	17.118	16.737	325.29530	47.38769	21.120	18.879	17.706	17.105	16.759	5.888	224.132
2779	325.30713	48.55602	21.786	19.876	18.679	18.085	17.714	325.31241	48.56272	21.809	19.896	18.694	18.086	17.694	27.187	27.565
2780	325.36500	49.23447	19.096	17.456	16.646	16.309	16.086	325.35618	49.23670	19.102	17.437	16.669	16.332	16.109	22.223	291.184
2781	325.38410	19.83265	18.614	17.063	16.452	16.200	16.114	325.38338	19.82748	18.588	17.077	16.473	16.225	16.130	18.779	187.434
2782	325.41406	48.66508	21.418	19.387	18.315	17.832	17.507	325.41553	48.66401	21.401	19.397	18.338	17.825	17.485	5.212	137.889
2783	325.42447	48.20077	21.183	19.247	18.179	17.707	17.309	325.41996	48.19462	21.163	19.270	18.181	17.726	17.318	24.633	206.071
2784	325.49561	48.72089	18.557	16.790	15.908	15.541	15.277	325.49442	48.71981	18.541	16.796	15.923	15.528	15.268	4.796	216.006
2785	325.53313	50.07992	18.990	17.228	16.328	15.929	15.664	325.52441	50.07388	19.002	17.208	16.332	15.931	15.680	29.647	222.788
2786	325.53812	15.29289	16.618	15.212	14.666	14.473	14.383	325.53473	15.29850	16.644	15.238	14.667	14.486	14.405	23.362	329.756
2787	325.65953	19.21491	16.884	15.408	14.847	14.647	14.564	325.65817	19.21398	16.881	15.413	14.857	14.661	14.574	5.726	233.978
2788	325.71033	48.68889	21.870	19.827	18.648	18.098	17.661	325.70013	48.68561	21.879	19.848	18.662	18.111	17.661	26.97	244.029
2789	325.71937	47.84336	20.152	18.458	17.611	17.171	16.880	325.71395	47.83973	20.170	18.466	17.619	17.197	16.872	18.5	225.039
2790	325.76344	49.75488	20.196	18.272	17.164	16.659	16.285	325.76078	49.75210	20.209	18.265	17.174	16.634	16.276	11.771	211.709
2791	325.81038	48.36510	20.479	18.644	17.756	17.322	17.051	325.81753	48.36451	20.475	18.657	17.785	17.351	17.076	17.243	97.141
2792	325.87413	50.57210	19.172	17.611	16.824	16.496	16.282	325.88633	50.57037	19.167	17.638	16.841	16.506	16.305	28.57	102.585
2793	326.13881	48.25414	20.966	19.065	18.135	17.716	17.576	326.14749	48.24887	20.947	19.035	18.158	17.733	17.603	28.153	132.327
2794	326.17315	48.65345	19.882	17.905	16.959	16.546	16.252	326.18570	48.65430	19.893	17.907	16.968	16.550	16.247	29.994	84.139
2795	326.17993	48.37217	19.401	17.761	17.003	16.661	16.472	326.17749	48.37420	19.379	17.772	17.009	16.659	16.450	9.343	321.249
2796	326.18772	48.26482	19.882	18.244	17.549	17.182	17.069	326.19539	48.26310	19.879	18.231	17.560	17.181	17.076	19.375	108.602
2797	326.23413	21.62265	19.200	17.794	17.222	16.992	16.865	326.23161	21.62997	19.170	17.777	17.239	17.011	16.869	27.672	342.208
2798	326.41301	49.72284	21.021	19.205	18.228	17.715	17.388	326.40456	49.71785	21.021	19.201	18.239	17.730	17.388	26.648	227.545
2799	326.43305	22.41394	19.936	18.442	17.793	17.550	17.440	326.43958	22.41557	19.927	18.441	17.799	17.577	17.466	22.508	74.949
2800	326.44420	46.75381	19.872	18.299	17.612	17.349	17.197	326.43857	46.75094	19.876	18.324	17.638	17.376	17.202	17.319	233.409
2801	326.53226	27.92873	18.936	17.266	16.616	16.394	16.254	326.53623	27.93276	18.961	17.282	16.631	16.393	16.274	19.226	41.033
2802	326.53828	46.63531	20.848	19.209	18.452	18.206	17.956	326.53194	46.63353	20.842	19.194	18.473	18.218	17.965	16.908	247.824
2803	326.65338	48.40528	20.194	18.565	17.791	17.472	17.388	326.65312	48.39973	20.209	18.583	17.791	17.450	17.402	19.998	181.766
2804	326.75139	21.81834	16.970	15.568	15.062	14.907	14.828	326.74614	21.81851	16.999	15.586	15.073	14.913	14.832	17.529	272.034
2805	326.76219	49.86977	21.054	19.111	18.053	17.569	17.277	326.76859	49.86826	21.064	19.117	18.070	17.592	17.260	15.819	110.046

2806	326.82361	49.02086	21.985	19.990	18.947	18.496	18.113	326.83508	49.01729	21.990	19.961	18.948	18.479	18.137	29.985	115.39
2807	326.91419	48.75717	20.364	18.624	17.720	17.370	17.121	326.91759	48.75873	20.382	18.601	17.730	17.362	17.125	9.843	54.993
2808	327.00156	46.28211	17.747	16.258	15.673	15.481	15.356	326.99696	46.28605	17.719	16.271	15.700	15.476	15.333	18.222	321.143
2809	327.04116	47.01139	20.112	18.467	17.750	17.429	17.262	327.04093	47.00720	20.138	18.486	17.753	17.420	17.244	15.084	182.137
2810	327.08020	46.97228	20.814	18.995	18.160	17.803	17.543	327.08504	46.97188	20.787	19.016	18.172	17.788	17.569	11.981	96.895
2811	327.13946	47.37921	21.110	19.440	18.490	18.082	17.814	327.13058	47.38123	21.107	19.432	18.491	18.079	17.811	22.834	288.568
2812	327.14699	49.46471	20.510	18.906	18.217	17.850	17.654	327.15610	49.46061	20.531	18.900	18.218	17.879	17.659	25.909	124.726
2813	327.15139	46.25282	21.160	19.555	18.736	18.523	18.285	327.16293	46.25381	21.142	19.581	18.765	18.544	18.304	28.951	82.876
2814	327.16859	73.77286	20.737	19.140	18.271	17.885	17.669	327.18185	73.76969	20.758	19.128	18.277	17.872	17.641	17.548	130.512
2815	327.17880	48.73801	19.440	17.972	17.318	17.006	16.790	327.18004	48.74192	19.435	17.968	17.321	17.012	16.812	14.39	11.854
2816	327.21232	46.27916	19.742	17.797	16.948	16.684	16.479	327.20179	46.28094	19.768	17.802	16.959	16.707	16.505	26.964	283.707
2817	327.22743	25.75395	20.180	18.258	17.439	17.180	17.055	327.22507	25.74917	20.190	18.284	17.457	17.173	17.026	18.855	203.958
2818	327.26602	46.66735	19.900	18.470	17.832	17.520	17.342	327.26328	46.66221	19.928	18.450	17.842	17.524	17.363	19.707	200.114
2819	327.27939	49.21008	21.197	19.539	18.581	18.123	17.745	327.27196	49.21180	21.206	19.519	18.583	18.140	17.755	18.552	289.566
2820	327.33271	48.61148	17.706	16.259	15.618	15.347	15.181	327.33358	48.61246	17.722	16.250	15.628	15.352	15.196	4.097	30.515
2821	327.35418	46.29641	19.999	18.242	17.452	17.173	16.956	327.35089	46.30233	20.011	18.225	17.469	17.178	16.972	22.82	338.966
2822	327.38114	46.34895	19.514	17.990	17.300	16.998	16.811	327.37486	46.34572	19.543	18.017	17.313	17.014	16.819	19.466	233.298
2823	327.40149	19.28884	18.947	17.674	17.164	16.978	16.886	327.40438	19.28703	18.969	17.686	17.175	16.994	16.873	11.81	123.591
2824	327.41356	45.60193	21.003	18.946	18.078	17.709	17.504	327.42102	45.60272	20.992	18.941	18.097	17.704	17.482	18.996	81.38
2825	327.45378	49.14224	21.226	19.598	18.871	18.518	18.498	327.45295	49.13623	21.228	19.582	18.894	18.540	18.468	21.736	185.181
2826	327.46437	48.38182	21.793	19.618	18.608	18.182	17.900	327.47617	48.38302	21.804	19.623	18.619	18.185	17.903	28.539	81.296
2827	327.51771	45.72594	20.545	19.151	18.554	18.294	18.182	327.52368	45.73028	20.535	19.180	18.572	18.305	18.186	21.657	43.862
2828	327.61486	46.11119	19.747	18.271	17.633	17.383	17.237	327.61262	46.11076	19.735	18.285	17.642	17.393	17.258	5.794	254.363
2829	327.65158	47.37689	20.519	18.867	18.097	17.771	17.558	327.64473	47.37456	20.496	18.883	18.099	17.750	17.560	26.876	6.578
2830	327.65415	46.66491	21.445	19.683	18.826	18.448	18.242	327.66312	46.66123	21.444	19.705	18.851	18.462	18.234	25.809	120.833
2831	327.79246	16.91583	18.215	16.711	16.026	15.788	15.671	327.79569	16.91726	18.221	16.731	16.031	15.803	15.687	12.262	65.245
2832	327.81832	46.26711	19.989	18.490	17.895	17.640	17.518	327.82835	46.26567	19.998	18.517	17.915	17.641	17.498	25.507	101.721
2833	327.81998	45.34998	20.460	18.738	17.889	17.546	17.319	327.81793	45.35074	20.466	18.717	17.906	17.567	17.318	5.874	297.878
2834	327.86557	45.45278	19.417	18.005	17.356	17.112	16.955	327.86529	45.45066	19.428	18.027	17.382	17.127	16.984	7.653	185.259
2835	327.88724	17.01982	17.162	15.653	15.103	14.930	14.994	327.88828	17.02095	17.137	15.649	15.123	14.932	15.003	5.416	41.646
2836	327.90253	21.91438	17.832	16.472	15.967	15.776	15.709	327.89560	21.91238	17.814	16.460	15.971	15.794	15.726	24.263	252.731
2837	327.96491	2.63573	18.838	17.718	17.309	17.158	17.091	327.96501	2.62811	18.857	17.735	17.311	17.166	17.106	27.408	179.187
2838	327.97119	48.87941	19.270	17.759	17.094	16.814	16.636	327.97040	48.88311	19.288	17.770	17.106	16.841	16.638	13.44	351.96
2839	328.05243	46.92531	20.268	18.539	17.745	17.363	17.207	328.05296	46.92858	20.275	18.556	17.747	17.384	17.202	11.847	6.354
2840	328.10009	48.21168	20.312	18.890	18.053	17.740	17.516	328.10358	48.21623	20.327	18.868	18.081	17.762	17.534	18.391	27.143
2841	328.11932	46.96276	21.339	19.858	19.124	18.764	18.537	328.12347	46.95736	21.345	19.841	19.145	18.767	18.538	21.929	152.319
2842	328.13206	46.73322	20.076	18.554	17.849	17.506	17.329	328.12537	46.73478	20.070	18.564	17.856	17.522	17.308	17.46	288.811
2843	328.14318	47.60473	21.491	19.230	18.247	17.923	17.713	328.13329	47.60698	21.485	19.201	18.252	17.919	17.709	25.332	288.647

2844	328.16556	47.70421	18.524	16.714	15.927	15.613	15.466	328.16899	47.70681	18.547	16.721	15.932	15.632	15.453	12.5	41.604
2845	328.18299	45.78759	21.048	19.440	18.693	18.364	18.193	328.18503	45.79074	21.034	19.449	18.717	18.393	18.173	12.458	24.223
2846	328.24765	45.33557	18.307	16.755	16.094	15.818	15.666	328.24155	45.33745	18.330	16.781	16.105	15.832	15.664	16.849	293.75
2847	328.25984	47.77815	19.715	18.201	17.516	17.283	17.110	328.26133	47.77283	19.688	18.186	17.535	17.284	17.108	19.478	169.311
2848	328.26437	46.32569	18.596	17.184	16.589	16.378	16.220	328.27437	46.32597	18.601	17.155	16.601	16.389	16.238	24.894	87.669
2849	328.26880	46.97141	19.703	17.967	17.173	16.794	16.564	328.26473	46.97900	19.693	17.945	17.174	16.802	16.573	29.086	339.903
2850	328.30787	48.57865	21.406	19.503	18.747	18.434	18.150	328.30560	48.57272	21.430	19.517	18.751	18.444	18.157	22.014	194.256
2851	328.33673	46.94613	19.889	18.165	17.324	16.874	16.549	328.34014	46.93853	19.912	18.189	17.329	16.865	16.541	28.605	162.98
2852	328.47152	46.23980	19.076	17.545	16.832	16.532	16.341	328.48258	46.24297	19.077	17.535	16.841	16.532	16.331	29.804	67.454
2853	328.53419	29.66973	21.134	19.477	18.903	18.677	18.552	328.53678	29.67109	21.112	19.466	18.903	18.674	18.543	9.479	58.826
2854	328.63008	45.06524	16.671	15.331	14.861	14.687	14.626	328.63297	45.06779	16.696	15.342	14.870	14.694	14.619	11.732	38.703
2855	328.66804	29.94008	18.346	17.163	16.739	16.590	16.494	328.66233	29.93764	18.348	17.153	16.750	16.603	16.511	19.854	243.754
2856	328.67320	46.80788	20.397	18.924	18.280	17.987	17.786	328.66849	46.80807	20.423	18.933	18.284	17.988	17.793	11.63	273.459
2857	328.73330	45.67128	18.422	16.988	16.280	15.987	15.783	328.73989	45.67290	18.448	16.968	16.283	16.007	15.811	17.584	70.688
2858	328.74446	45.53443	20.216	18.722	18.051	17.742	17.637	328.74238	45.53052	20.204	18.694	18.055	17.739	17.645	15.018	200.402
2859	328.82232	47.92454	19.008	17.582	17.034	16.797	16.703	328.81613	47.92215	19.030	17.576	17.042	16.812	16.696	17.239	239.977
2860	328.86698	46.29136	18.962	17.396	16.729	16.459	16.317	328.86953	46.29687	18.964	17.421	16.733	16.432	16.295	20.825	17.771
2861	328.87855	46.18949	20.817	18.844	18.060	17.733	17.498	328.88355	46.18557	20.807	18.867	18.066	17.721	17.491	18.839	138.593
2862	329.01066	47.94168	21.315	19.629	18.843	18.513	18.339	329.00424	47.94464	21.300	19.655	18.861	18.523	18.309	18.805	304.516
2863	329.01193	46.66187	20.518	18.998	18.260	17.950	17.803	329.01317	46.66492	20.514	18.985	18.278	17.960	17.799	11.406	15.579
2864	329.04378	45.13482	19.551	18.165	17.610	17.411	17.263	329.05006	45.13561	19.574	18.166	17.624	17.436	17.273	16.207	79.914
2865	329.05176	45.89971	21.051	19.079	18.191	17.849	17.633	329.06245	45.89714	21.029	19.069	18.208	17.872	17.660	28.336	109.04
2866	329.07420	47.09912	21.409	19.496	18.678	18.270	18.131	329.08449	47.09687	21.404	19.479	18.681	18.269	18.113	26.5	107.796
2867	329.08185	2.29874	19.222	17.961	17.490	17.311	17.278	329.07695	2.30089	19.216	17.971	17.505	17.332	17.248	19.249	293.732
2868	329.11139	21.62135	19.402	17.868	17.249	17.043	16.909	329.11557	21.61733	19.381	17.881	17.276	17.046	16.927	20.131	135.888
2869	329.13928	44.52641	19.578	17.866	17.090	16.800	16.635	329.14543	44.51973	19.598	17.880	17.120	16.830	16.639	28.76	146.697
2870	329.17943	46.31762	20.145	18.704	18.066	17.813	17.630	329.17832	46.32313	20.137	18.693	18.088	17.825	17.652	19.996	352.015
2871	329.20743	45.30194	21.197	19.535	18.845	18.565	18.399	329.20212	45.29975	21.205	19.553	18.855	18.555	18.389	15.579	239.645
2872	329.22894	22.10757	18.864	16.960	16.224	15.962	15.821	329.22324	22.10569	18.838	16.935	16.224	15.944	15.803	20.19	250.412
2873	329.22979	45.94384	17.341	16.023	15.514	15.319	15.212	329.23742	45.94148	17.367	16.022	15.522	15.331	15.226	20.893	113.965
2874	329.26932	43.91190	18.339	16.844	16.169	15.863	15.704	329.26122	43.91027	18.313	16.854	16.189	15.883	15.702	21.823	254.346
2875	329.28046	47.60650	20.360	18.883	18.178	17.912	17.721	329.28178	47.60864	20.362	18.872	18.184	17.903	17.744	8.348	22.551
2876	329.29759	46.10521	20.290	18.729	17.992	17.711	17.559	329.30884	46.10253	20.261	18.737	17.995	17.717	17.562	29.689	108.966
2877	329.36202	46.29655	18.267	16.919	16.378	16.180	16.063	329.36006	46.30233	18.266	16.915	16.391	16.197	16.072	21.39	346.801
2878	329.38317	43.88004	19.134	17.372	16.591	16.258	16.062	329.38086	43.88401	19.106	17.376	16.604	16.275	16.066	15.495	337.293
2879	329.46112	43.97132	20.953	19.613	18.909	18.668	18.420	329.45565	43.96524	20.979	19.605	18.917	18.647	18.425	26.09	212.936
2880	329.48135	20.85138	19.000	17.634	17.105	16.918	16.824	329.47607	20.85157	19.025	17.625	17.110	16.928	16.852	17.773	272.245
2881	329.50424	44.77995	18.870	17.207	16.512	16.226	16.074	329.51222	44.77701	18.879	17.217	16.524	16.235	16.072	22.985	117.44

2882	329.57175	47.21475	20.824	19.071	18.301	17.988	17.772	329.56609	47.21094	20.802	19.076	18.327	17.966	17.771	19.486	225.215
2883	329.58194	21.88136	21.233	19.621	18.903	18.667	18.499	329.58168	21.88362	21.222	19.619	18.903	18.652	18.474	8.198	353.907
2884	329.61000	46.44843	18.990	17.584	17.057	16.816	16.694	329.60424	46.45334	19.001	17.591	17.070	16.812	16.689	22.726	321.039
2885	329.63318	45.89769	19.279	17.907	17.342	17.130	17.022	329.62560	45.90333	19.304	17.905	17.346	17.125	17.024	27.805	316.927
2886	329.71929	46.70238	20.406	19.088	18.518	18.300	18.171	329.72290	46.69580	20.416	19.114	18.536	18.305	18.146	25.336	159.431
2887	329.74584	46.24885	18.376	16.938	16.371	16.154	16.020	329.73714	46.24587	18.396	16.967	16.392	16.165	16.046	24.169	243.659
2888	329.76515	44.00367	17.486	16.158	15.620	15.418	15.332	329.76762	44.00962	17.480	16.183	15.624	15.406	15.303	22.338	16.661
2889	329.78767	47.41486	20.211	18.462	17.795	17.454	17.435	329.78803	47.41614	20.188	18.478	17.804	17.477	17.432	4.691	10.805
2890	329.83015	46.96587	21.153	17.458	16.583	16.250	16.040	329.82481	46.97060	21.156	17.443	16.595	16.250	16.033	21.483	322.34
2891	329.83132	45.74980	17.254	15.844	15.277	15.046	14.924	329.83113	45.75415	17.233	15.869	15.282	15.056	14.924	15.673	358.221
2892	329.87306	44.97320	18.443	16.974	16.383	16.094	15.956	329.86629	44.97044	18.419	17.002	16.385	16.099	15.952	19.899	240.043
2893	329.90292	46.01948	20.176	18.618	17.937	17.671	17.492	329.90399	46.02298	20.202	18.641	17.950	17.654	17.513	12.89	12.019
2894	329.95244	30.95076	20.109	18.075	17.274	16.980	16.847	329.94646	30.95069	20.112	18.103	17.286	16.979	16.817	18.47	269.242
2895	329.96124	45.54186	18.329	16.920	16.318	16.069	15.936	329.96569	45.54239	18.310	16.933	16.320	16.069	15.950	11.384	80.416
2896	329.97504	45.09608	20.894	18.941	18.051	17.659	17.462	329.96700	45.09843	20.903	18.950	18.066	17.684	17.440	22.121	292.548
2897	330.01559	43.19987	21.221	19.466	18.671	18.342	18.177	330.00457	43.20026	21.248	19.468	18.685	18.337	18.188	28.949	272.75
2898	330.01635	45.07292	20.452	19.047	18.374	18.122	17.946	330.01341	45.07938	20.440	19.073	18.385	18.116	17.935	24.431	342.183
2899	330.04278	44.53863	19.832	17.854	17.033	16.688	16.477	330.04016	44.53508	19.826	17.856	17.043	16.698	16.487	14.454	207.692
2900	330.12971	46.12495	20.350	18.894	18.273	18.027	17.884	330.12166	46.12504	20.336	18.864	18.280	18.028	17.869	20.09	270.972
2901	330.25018	43.41629	19.115	17.538	16.791	16.452	16.277	330.25737	43.41236	19.141	17.541	16.800	16.461	16.285	23.526	127.004
2902	330.27532	45.92121	19.345	17.944	17.377	17.178	17.016	330.27176	45.91339	19.345	17.966	17.382	17.178	17.032	29.537	197.563
2903	330.37985	45.93331	18.987	17.664	17.079	16.848	16.745	330.38930	45.93243	19.007	17.663	17.087	16.861	16.752	23.879	97.628
2904	330.56708	43.26771	19.602	18.051	17.269	16.937	16.715	330.56160	43.26480	19.626	18.062	17.275	16.937	16.714	17.798	233.855
2905	330.60718	45.79772	20.614	19.039	18.262	17.930	17.757	330.61398	45.79233	20.628	19.041	18.271	17.934	17.734	25.837	138.641
2906	330.70498	45.72176	19.854	18.440	17.864	17.611	17.470	330.71369	45.72536	19.830	18.467	17.867	17.621	17.445	25.442	59.45
2907	330.80412	29.87641	19.541	18.266	17.790	17.610	17.478	330.79976	29.87189	19.530	18.265	17.810	17.639	17.507	21.222	219.923
2908	330.84094	45.77157	20.089	17.956	17.000	16.651	16.451	330.84123	45.76577	20.085	17.976	17.018	16.673	16.480	20.911	178.004
2909	330.99872	12.44568	16.646	15.131	14.561	14.359	14.261	331.00212	12.44104	16.662	15.153	14.573	14.373	14.289	20.527	144.466
2910	331.01393	69.23264	20.444	18.972	18.278	18.001	17.865	331.01403	69.22480	20.441	18.974	18.285	18.030	17.849	28.22	179.739
2911	331.09105	44.92812	19.253	17.619	16.889	16.593	16.424	331.09773	44.92628	19.239	17.625	16.897	16.610	16.448	18.264	111.312
2912	331.22751	46.01392	20.195	18.711	17.996	17.727	17.534	331.23200	46.00911	20.200	18.721	18.021	17.717	17.541	20.655	147.01
2913	331.36676	42.52765	20.155	18.352	17.586	17.265	17.092	331.35904	42.52963	20.168	18.371	17.613	17.294	17.108	21.71	289.26
2914	331.43706	42.61596	20.026	18.361	17.668	17.372	17.183	331.43553	42.61410	20.019	18.375	17.671	17.391	17.178	7.838	211.125
2915	331.50827	69.36127	20.263	18.590	17.880	17.586	17.425	331.51040	69.35694	20.264	18.572	17.883	17.609	17.438	15.823	170.169
2916	331.54379	43.41377	19.756	18.305	17.665	17.470	17.280	331.54301	43.41785	19.754	18.333	17.674	17.454	17.252	14.845	352.052
2917	331.59314	68.77749	21.382	19.884	19.200	18.900	18.756	331.57692	68.77457	21.390	18.890	19.200	18.900	18.747	23.612	243.569
2918	331.60029	30.05799	19.304	17.909	17.356	17.149	17.009	331.59708	30.06129	19.309	17.912	17.362	17.167	17.005	15.542	319.926
2919	331.68504	43.48121	21.825	19.522	18.547	18.124	17.931	331.68916	43.47776	21.825	19.502	18.561	18.133	17.950	16.43	139.061

2920	331.71284	68.71934	19.348	17.987	17.351	17.049	16.904	331.71593	68.71415	19.331	17.986	17.372	17.071	16.900	19.083	167.784
2921	331.72983	24.19448	20.064	18.885	18.425	18.271	18.175	331.72703	24.19382	20.076	18.908	18.444	18.259	18.148	9.497	255.439
2922	331.73533	43.69347	20.750	19.227	18.505	18.193	18.042	331.73737	43.68995	20.766	19.245	18.508	18.207	18.038	13.732	157.275
2923	331.75144	45.53501	21.492	19.483	18.597	18.218	18.004	331.74907	45.52733	21.511	19.498	18.612	18.241	18.014	28.291	192.164
2924	331.76797	41.54512	17.727	16.395	15.909	15.699	15.601	331.77130	41.55166	17.742	16.420	15.921	15.712	15.621	25.193	20.865
2925	331.79864	45.11281	17.832	16.050	15.308	15.015	14.859	331.78999	45.11314	17.808	16.069	15.329	15.009	14.837	21.989	273.085
2926	331.85965	17.57102	17.653	16.350	15.874	15.714	15.662	331.85582	17.57274	17.682	16.369	15.889	15.728	15.686	14.55	295.291
2927	331.86561	69.59708	18.360	16.682	15.883	15.532	15.327	331.87161	69.59635	18.387	16.711	15.885	15.542	15.329	7.972	109.065
2928	331.90331	45.20076	20.592	19.114	18.415	18.086	17.916	331.89930	45.19763	20.613	19.139	18.429	18.086	17.903	15.175	222.042
2929	331.92863	44.94542	20.435	19.009	18.355	18.059	17.863	331.92597	44.94852	20.459	19.016	18.378	18.087	17.888	13.061	328.754
2930	332.04108	41.67302	20.588	18.570	17.651	17.296	17.083	332.04672	41.66608	20.613	18.553	17.656	17.315	17.109	29.215	148.757
2931	332.09300	31.69921	18.053	16.642	16.117	15.930	15.822	332.08992	31.70614	18.029	16.647	16.120	15.928	15.815	26.671	339.302
2932	332.14997	43.50923	19.648	18.227	17.650	17.383	17.263	332.14582	43.51008	19.649	18.251	17.660	17.408	17.263	11.254	285.764
2933	332.21408	68.52028	20.942	19.192	18.370	18.071	17.835	332.22156	68.51718	20.958	19.198	18.384	18.047	17.820	14.881	138.52
2934	332.23001	23.82682	16.977	15.663	15.182	15.003	14.926	332.23840	23.82796	16.992	15.675	15.183	15.000	14.925	27.933	81.568
2935	332.23773	9.46390	19.775	17.935	17.214	16.960	16.809	332.23810	9.46496	19.785	17.960	17.228	16.963	16.800	4.055	18.879
2936	332.25313	41.54058	20.220	18.677	18.018	17.763	17.661	332.24976	41.53690	20.232	18.683	18.027	17.763	17.646	16.06	214.443
2937	332.30370	42.40015	18.542	16.926	16.237	15.990	15.855	332.29655	42.40576	18.562	16.940	16.245	15.998	15.853	27.722	316.723
2938	332.32762	22.82700	18.684	17.479	17.042	16.858	16.770	332.31965	22.82596	18.666	17.476	17.044	16.849	16.762	26.701	261.914
2939	332.43393	42.95008	18.484	17.059	16.484	16.254	16.153	332.43839	42.95001	18.465	17.073	16.494	16.267	16.139	11.757	91.34
2940	332.53762	44.81494	19.371	17.795	17.097	16.783	16.599	332.53803	44.81998	19.369	17.821	17.106	16.801	16.624	18.18	3.24
2941	332.55090	40.89758	20.184	18.831	18.291	18.131	18.012	332.55214	40.90523	20.161	18.841	18.309	18.123	17.991	27.72	6.972
2942	332.57597	68.36155	21.320	19.864	19.051	18.687	18.487	332.58415	68.36626	21.307	19.858	19.070	18.675	18.488	20.126	32.629
2943	332.58073	42.60706	18.411	16.878	16.285	16.067	15.965	332.57113	42.60414	18.434	16.893	16.310	16.090	15.988	27.511	247.596
2944	332.67341	44.18628	21.995	20.299	19.445	19.017	18.746	332.67670	44.19316	21.989	20.317	19.455	19.009	18.766	26.182	18.892
2945	332.84898	43.54377	21.530	19.354	18.475	18.141	17.915	332.85553	43.54165	21.542	19.346	18.496	18.148	17.913	18.72	114.037
2946	332.88577	30.58677	18.334	16.934	16.397	16.187	16.095	332.88741	30.58338	18.315	16.923	16.408	16.191	16.098	13.224	157.438
2947	333.03190	24.56223	19.020	17.690	17.219	17.006	16.943	333.02954	24.55626	19.035	17.708	17.249	17.017	16.957	22.863	199.795
2948	333.08807	69.88557	20.348	18.687	17.872	17.507	17.249	333.08652	69.87786	20.329	18.691	17.892	17.502	17.244	27.84	183.962
2949	333.09212	43.43260	19.940	18.614	18.086	17.864	17.783	333.10089	43.43297	19.938	18.644	18.112	17.881	17.803	22.942	86.687
2950	333.14541	43.78986	18.923	17.465	16.760	16.443	16.248	333.14525	43.79474	18.951	17.438	16.761	16.451	16.262	17.56	358.643
2951	333.16682	68.26327	19.378	16.860	15.701	15.174	14.807	333.16355	68.26420	19.368	16.887	15.704	15.156	14.780	5.488	307.46
2952	333.18143	21.03217	17.962	16.678	16.195	16.009	15.916	333.18415	21.03166	17.959	16.693	16.200	16.014	15.930	9.342	101.37
2953	333.29760	41.96263	20.700	19.095	18.503	18.266	18.163	333.29063	41.95955	20.722	19.114	18.518	18.289	18.178	21.7	239.26
2954	333.30099	40.64121	19.673	18.237	17.702	17.485	17.382	333.29248	40.64641	19.664	18.248	17.717	17.503	17.397	29.83	308.851
2955	333.38461	41.68474	18.361	17.104	16.663	16.521	16.471	333.37971	41.68676	18.389	17.110	16.681	16.539	16.478	15.045	298.841
2956	333.45567	18.52564	17.257	15.572	14.993	14.792	14.709	333.45413	18.52731	17.285	15.575	15.012	14.793	14.718	7.989	318.96
2957	333.55958	68.05351	20.347	18.621	17.770	17.384	17.145	333.55632	68.05101	20.355	18.632	17.771	17.390	17.160	9.984	206.029

2958	333.61640	39.78170	18.762	17.494	17.018	16.799	16.702	333.61431	39.78567	18.741	17.490	17.019	16.816	16.721	15.414	338.023
2959	333.62255	41.62002	20.301	18.427	17.686	17.394	17.200	333.62704	41.61519	20.316	18.437	17.701	17.403	17.220	21.188	145.191
2960	333.77321	39.88400	19.969	18.654	18.100	17.849	17.749	333.77453	39.89025	19.961	18.637	18.103	17.877	17.769	22.796	9.202
2961	333.96569	42.07933	20.111	18.708	18.122	17.872	17.775	333.96654	42.07346	20.140	18.704	18.125	17.885	17.788	21.252	173.851
2962	334.01432	67.45120	19.627	17.956	17.068	16.640	16.370	334.00543	67.44462	19.618	17.979	17.087	16.653	16.371	26.669	207.405
2963	334.03737	18.10186	18.577	17.339	16.853	16.662	16.587	334.03789	18.10743	18.567	17.358	16.863	16.666	16.586	20.142	5.119
2964	334.03878	17.72424	16.927	15.847	15.451	15.310	15.261	334.04398	17.72477	16.937	15.855	15.458	15.340	15.259	17.935	83.929
2965	334.22364	43.00495	18.009	16.437	15.775	15.506	15.378	334.21377	43.00652	17.979	16.433	15.787	15.527	15.402	26.588	282.257
2966	334.39341	68.22442	20.190	18.514	17.760	17.395	17.157	334.38449	68.22518	20.167	18.507	17.764	17.405	17.140	12.224	282.852
2967	334.41838	30.72007	16.007	14.672	14.213	14.059	13.992	334.41557	30.71979	16.016	14.695	14.222	14.056	13.986	8.75	263.39
2968	334.54343	70.16016	21.045	19.319	18.368	17.976	17.683	334.53122	70.16517	21.072	19.338	18.380	17.961	17.689	23.406	320.423
2969	334.79285	67.84377	19.985	18.253	17.399	17.001	16.739	334.78066	67.84518	19.995	18.260	17.403	17.009	16.747	17.316	287.034
2970	334.81026	31.30672	20.345	19.106	18.680	18.511	18.531	334.81168	31.30491	20.331	19.116	18.685	18.530	18.518	7.851	146.097
2971	334.81445	67.09640	19.522	17.165	15.999	15.456	15.097	334.80596	67.09632	19.501	17.184	16.027	15.452	15.115	11.897	268.58
2972	334.99714	39.60606	20.507	19.096	18.523	18.286	18.196	335.00315	39.60607	20.507	19.109	18.531	18.305	18.198	16.654	89.887
2973	335.13974	27.69800	16.195	14.745	14.148	13.918	13.811	335.14014	27.69915	16.219	14.765	14.156	13.931	13.816	4.318	17.517
2974	335.14041	31.42947	16.977	15.627	15.146	14.985	14.937	335.14220	31.43161	17.007	15.630	15.154	14.993	14.953	9.464	35.483
2975	335.19838	68.91216	19.273	17.638	16.886	16.575	16.379	335.18938	68.91337	19.251	17.650	16.893	16.569	16.366	12.443	290.409
2976	335.28689	29.62386	19.679	18.520	18.047	17.865	17.817	335.28884	29.61833	19.687	18.494	18.051	17.872	17.813	20.824	162.949
2977	335.41922	70.07768	21.641	20.038	19.230	18.888	18.559	335.43719	70.07883	21.613	20.025	19.243	18.861	18.578	22.433	79.327
2978	335.44988	70.54051	20.522	18.901	18.057	17.656	17.386	335.45342	70.54129	20.502	18.910	18.075	17.667	17.399	5.098	56.472
2979	335.66005	41.18248	19.173	17.793	17.218	17.030	16.925	335.66018	41.18403	19.161	17.801	17.245	17.044	16.932	5.579	3.564
2980	335.73767	40.50204	19.678	18.316	17.780	17.559	17.448	335.74616	40.49865	19.690	18.331	17.795	17.587	17.472	26.258	117.7
2981	335.83405	68.17982	18.374	16.679	15.825	15.449	15.194	335.83987	68.18765	18.345	16.660	15.826	15.455	15.194	29.239	15.451
2982	335.85292	40.22808	19.384	17.422	16.653	16.374	16.243	335.85593	40.22633	19.396	17.445	16.658	16.382	16.246	10.399	127.127
2983	335.92496	41.27887	17.861	16.350	15.787	15.580	15.508	335.92190	41.27639	17.877	16.349	15.794	15.595	15.525	12.18	222.835
2984	335.96038	69.68689	19.810	16.746	15.301	14.638	14.201	335.97795	69.68343	19.839	16.733	15.303	14.643	14.196	25.256	119.575
2985	336.00323	66.94836	20.208	18.052	16.790	16.166	15.709	336.00747	66.94612	20.179	18.059	16.811	16.191	15.736	10.033	143.425
2986	336.00814	69.83243	18.437	16.692	15.866	15.473	15.224	336.00547	69.83720	18.411	16.702	15.876	15.482	15.231	17.506	349.074
2987	336.34260	39.69776	18.843	17.436	16.874	16.677	16.600	336.34905	39.69576	18.861	17.449	16.876	16.656	16.571	19.266	111.907
2988	336.46003	40.60031	20.453	19.220	18.772	18.610	18.519	336.46183	40.59601	20.435	19.209	18.773	18.596	18.523	16.241	162.414
2989	336.75169	67.14606	20.973	19.235	18.305	17.847	17.523	336.75374	67.13915	20.946	19.258	18.324	17.851	17.543	25.063	173.429
2990	336.76212	70.08538	17.439	15.788	14.966	14.563	14.311	336.77569	70.08190	17.455	15.785	14.971	14.578	14.336	20.834	127.015
2991	336.84512	29.42911	20.301	17.970	17.025	16.694	16.495	336.85249	29.42630	20.291	17.994	17.035	16.695	16.497	25.211	113.645
2992	336.85502	20.73256	20.988	19.313	18.653	18.379	18.235	336.84778	20.73490	20.973	19.301	18.681	18.399	18.264	25.77	289.043
2993	336.94386	38.85772	18.415	16.720	16.066	15.843	15.734	336.94875	38.85662	18.388	16.749	16.093	15.845	15.733	14.271	106.083
2994	336.95459	66.85406	21.448	19.310	18.159	17.580	17.170	336.95445	66.85302	21.449	19.333	18.188	17.605	17.185	3.741	183.222
2995	337.25845	22.01843	18.340	16.897	16.406	16.251	16.170	337.26639	22.01523	18.324	16.925	16.415	16.261	16.176	28.892	113.504

2996	337.34235	69.24578	21.646	20.208	19.332	18.943	18.645	337.35365	69.24423	21.666	20.207	19.343	18.962	18.637	15.456	111.215
2997	337.59604	69.62795	20.043	18.358	17.450	17.040	16.774	337.58604	69.62965	20.015	18.330	17.455	17.021	16.750	13.927	295.927
2998	337.73026	68.50938	21.174	19.588	18.670	18.253	18.012	337.73440	68.50974	21.201	19.616	18.688	18.273	18.022	5.606	76.81
2999	337.75755	38.40674	17.631	16.305	15.828	15.655	15.577	337.75938	38.40617	17.614	16.317	15.848	15.668	15.585	5.546	111.698
3000	337.75839	68.82924	19.570	17.683	16.731	16.293	16.025	337.74997	68.82845	19.590	17.693	16.738	16.298	16.023	11.296	255.491
3001	338.19252	36.62648	20.150	18.898	18.394	18.209	18.152	338.18489	36.63067	20.130	18.886	18.405	18.215	18.139	26.702	304.324
3002	338.32315	67.49766	20.220	18.333	17.310	16.801	16.463	338.31953	67.49599	20.219	18.325	17.315	16.802	16.464	7.789	219.829
3003	338.41182	37.68525	20.037	18.080	17.320	17.044	16.896	338.40882	37.68847	20.009	18.105	17.348	17.063	16.910	14.425	323.569
3004	338.66654	37.22297	20.568	18.734	17.955	17.664	17.466	338.66011	37.21888	20.583	18.734	17.969	17.665	17.459	23.597	231.406
3005	338.98634	68.42018	21.308	19.409	18.311	17.780	17.415	338.98322	68.41775	21.292	19.429	18.333	17.768	17.411	9.681	205.25
3006	339.23187	37.27986	17.367	16.066	15.583	15.445	15.344	339.23617	37.27515	17.386	16.095	15.612	15.461	15.371	20.987	144.019
3007	339.36087	33.44585	19.472	18.154	17.698	17.508	17.450	339.36408	33.43831	19.491	18.180	17.726	17.535	17.461	28.796	160.492
3008	339.40105	64.94473	21.455	19.457	18.216	17.608	17.160	339.38452	64.94511	21.467	19.473	18.244	17.618	17.139	25.224	273.046
3009	340.09354	64.55520	21.340	18.336	16.600	15.701	15.042	340.08455	64.55223	21.342	18.356	16.626	15.715	15.065	17.538	232.437
3010	340.25586	65.72740	20.777	18.946	17.890	17.391	17.004	340.26325	65.73053	20.784	18.950	17.892	17.387	17.034	15.724	44.124
3011	340.35449	65.74133	19.078	17.277	16.314	15.857	15.544	340.35216	65.74067	19.097	17.264	16.325	15.878	15.555	4.182	235.61
3012	340.59897	25.74204	21.374	18.573	17.152	16.531	16.185	340.60624	25.73832	21.397	18.564	17.158	16.521	16.162	27.124	119.597
3013	340.69896	65.11135	21.767	19.822	18.514	17.881	17.417	340.71444	65.11417	21.775	19.811	18.517	17.861	17.415	25.555	66.613
3014	340.70596	63.30424	20.709	18.692	17.621	17.095	16.708	340.69506	63.30684	20.680	18.690	17.637	17.106	16.701	19.966	297.958
3015	340.86091	64.68682	20.601	18.673	17.491	16.902	16.465	340.87649	64.69076	20.622	18.657	17.499	16.896	16.452	27.859	59.39
3016	340.92418	63.55527	21.987	19.653	18.340	17.675	17.197	340.93441	63.54919	21.987	19.670	18.343	17.675	17.221	27.357	143.157
3017	340.97564	63.83866	20.510	18.674	17.705	17.218	16.864	340.95932	63.83731	20.515	18.650	17.709	17.244	16.886	26.346	259.403
3018	340.97663	65.89142	21.718	18.506	16.740	15.836	15.164	340.95978	65.89215	21.697	18.532	16.757	15.841	15.174	24.911	276.041
3019	341.20213	63.45956	20.989	18.939	17.813	17.242	16.829	341.21116	63.45941	20.983	18.937	17.814	17.253	16.859	14.546	92.074
3020	341.45964	63.99038	21.138	19.060	17.877	17.266	16.841	341.45958	63.98299	21.114	19.064	17.900	17.292	16.856	26.631	180.173
3021	341.73211	26.61332	18.474	17.347	16.901	16.758	16.695	341.72352	26.61120	18.474	17.355	16.922	16.786	16.708	28.682	254.568
3022	342.39682	63.96287	20.969	18.806	17.460	16.770	16.251	342.39476	63.96523	20.953	18.777	17.469	16.758	16.247	9.107	339.056
3023	343.40247	-3.74092	20.034	18.851	18.317	18.126	18.057	343.40550	-3.73574	20.050	18.863	18.340	18.137	18.044	21.597	30.264
3024	344.31264	32.27461	21.936	19.698	18.784	18.431	18.231	344.31498	32.27077	21.908	19.694	18.789	18.436	18.256	15.567	152.752
3025	344.74951	59.02146	18.102	16.335	15.495	15.099	14.845	344.75008	59.01517	18.131	16.362	15.499	15.110	14.869	22.695	177.333
3026	344.97295	22.49226	20.691	18.878	18.136	17.849	17.656	344.97624	22.49820	20.688	18.889	18.145	17.851	17.649	24.019	27.12
3027	345.50478	22.07507	19.431	17.116	16.207	15.867	15.680	345.49657	22.07749	19.404	17.145	16.227	15.875	15.677	28.762	287.623
3028	345.74529	58.73025	17.922	16.320	15.727	15.462	15.281	345.75499	58.73092	17.899	16.341	15.745	15.444	15.281	18.283	82.506
3029	345.84210	57.48869	19.516	17.739	16.953	16.599	16.336	345.84119	57.49178	19.539	17.756	16.958	16.582	16.320	11.282	351.024
3030	345.86468	34.21228	17.608	16.284	15.804	15.617	15.534	345.86640	34.21321	17.633	16.287	15.822	15.646	15.560	6.133	56.801
3031	345.86737	-7.91608	18.540	18.158	18.371	18.556	18.824	345.86638	-7.91798	18.530	18.140	18.376	18.571	18.809	7.68	207.141
3032	346.15594	57.92730	18.261	16.411	15.774	15.448	15.161	346.15113	57.93079	18.287	16.438	15.776	15.470	15.182	15.569	323.774
3033	346.33018	57.59431	16.321	14.830	14.330	14.092	13.872	346.33289	57.59526	16.302	14.836	14.345	14.118	13.883	6.237	56.816

3034	346.97067	58.40537	18.812	17.178	16.330	15.940	15.716	346.96877	58.40231	18.805	17.207	16.346	15.949	15.722	11.567	198.076
3035	346.97427	7.13013	18.619	16.682	15.956	15.700	15.561	346.97571	7.13081	18.590	16.683	15.958	15.697	15.564	5.679	64.402
3036	347.10027	56.42167	18.022	16.500	15.788	15.482	15.299	347.09860	56.41414	18.016	16.517	15.803	15.485	15.302	27.317	186.982
3037	347.15095	56.75269	20.931	18.913	17.782	17.222	16.829	347.13983	56.75599	20.913	18.913	17.788	17.222	16.847	24.942	298.432
3038	347.49927	58.18895	18.007	16.272	15.633	15.357	15.158	347.48828	58.19131	18.019	16.283	15.659	15.379	15.176	22.523	292.227
3039	347.57986	57.87338	19.469	17.527	16.456	15.965	15.637	347.57096	57.87788	19.445	17.523	16.470	15.979	15.645	23.528	313.566
3040	347.59481	21.02272	16.919	15.417	14.772	14.508	14.375	347.59499	21.03047	16.935	15.420	14.776	14.497	14.364	27.898	1.242
3041	347.67230	55.18927	19.605	18.067	17.309	17.001	16.794	347.68403	55.18689	19.595	18.078	17.330	17.009	16.805	25.594	109.611
3042	347.68714	56.32258	17.541	16.089	15.570	15.345	15.220	347.67936	56.32910	17.523	16.069	15.570	15.369	15.247	28.153	326.505
3043	348.00058	61.14474	20.621	18.639	17.566	17.117	16.689	347.99744	61.14864	20.638	18.610	17.567	17.118	16.708	15.036	338.727
3044	348.02121	57.92740	19.371	17.534	16.546	16.101	15.794	348.01384	57.92383	19.394	17.543	16.556	16.104	15.790	19.063	227.613
3045	348.04246	30.42570	21.118	18.509	17.179	16.646	16.347	348.03594	30.42120	21.115	18.505	17.205	16.662	16.361	25.922	231.334
3046	348.16055	59.62736	19.775	18.004	17.039	16.602	16.313	348.16770	59.62000	19.793	17.989	17.054	16.614	16.327	29.513	153.834
3047	348.21099	56.14202	19.398	17.856	17.143	16.819	16.628	348.20360	56.14401	19.378	17.865	17.157	16.822	16.632	16.465	295.808
3048	348.22065	59.64690	19.070	17.406	16.518	16.105	15.824	348.23583	59.64485	19.071	17.430	16.539	16.125	15.851	28.581	105.007
3049	348.27388	54.90696	20.060	18.365	17.551	17.218	16.999	348.27782	54.91464	20.057	18.356	17.561	17.217	16.992	28.818	16.423
3050	348.27778	59.15718	21.161	19.079	17.883	17.305	16.917	348.26923	59.15079	21.176	19.079	17.886	17.320	16.929	27.887	214.457
3051	348.29185	55.99068	19.850	18.114	17.290	16.937	16.720	348.29473	55.99443	19.831	18.133	17.314	16.937	16.720	14.707	23.276
3052	348.40604	54.56349	20.582	19.044	18.461	18.191	18.052	348.40851	54.56436	20.569	19.062	18.474	18.205	18.065	6.047	58.605
3053	348.44294	33.72056	17.478	16.079	15.593	15.433	15.369	348.44520	33.71991	17.463	16.100	15.600	15.423	15.347	7.153	109.01
3054	348.52370	54.86543	19.119	17.482	16.730	16.423	16.239	348.51827	54.86174	19.099	17.460	16.733	16.429	16.260	17.4	220.287
3055	348.52883	54.23892	20.401	19.001	18.392	18.145	17.977	348.53525	54.23795	20.416	19.015	18.412	18.120	18.000	13.937	104.43
3056	348.57995	55.52494	19.403	17.821	17.098	16.754	16.613	348.57414	55.53182	19.418	17.824	17.102	16.773	16.585	27.437	334.411
3057	348.61637	53.70049	20.251	18.607	17.846	17.494	17.278	348.60622	53.70432	20.254	18.635	17.868	17.513	17.302	25.634	302.463
3058	348.74716	53.40792	20.504	18.973	18.297	18.029	17.886	348.74080	53.40959	20.485	18.971	18.315	18.046	17.900	14.911	293.796
3059	348.96839	58.46983	19.171	17.388	16.476	16.042	15.747	348.96259	58.46248	19.166	17.394	16.502	16.072	15.773	28.615	202.422
3060	349.02415	54.68692	21.160	19.717	19.088	18.767	18.683	349.01914	54.68840	21.172	19.724	19.096	18.793	18.710	11.725	297.074
3061	349.05589	53.29045	18.427	16.923	16.253	15.950	15.787	349.05189	53.28770	18.425	16.942	16.257	15.955	15.772	13.114	220.991
3062	349.07957	55.28418	19.451	17.901	17.196	16.909	16.728	349.08293	55.27851	19.423	17.882	17.208	16.911	16.735	21.52	161.35
3063	349.08665	57.51741	20.178	18.057	16.880	16.319	15.919	349.07773	57.52061	20.177	18.062	16.889	16.346	15.947	20.755	303.75
3064	349.18799	53.36666	18.260	16.646	15.942	15.661	15.512	349.19343	53.36939	18.275	16.663	15.962	15.666	15.487	15.273	49.933
3065	349.21903	55.00046	17.756	16.268	15.668	15.427	15.298	349.22216	55.00208	17.750	16.285	15.684	15.420	15.326	8.687	48.014
3066	349.26560	54.04183	19.910	18.340	17.611	17.327	17.136	349.26407	54.04143	19.931	18.337	17.640	17.326	17.161	3.524	246.123
3067	349.37284	52.98780	19.844	18.319	17.626	17.358	17.137	349.38469	52.99166	19.870	18.338	17.653	17.351	17.149	29.199	61.558
3068	349.38779	58.32481	20.239	18.075	16.795	16.149	15.719	349.38819	58.32630	20.226	18.075	16.822	16.172	15.740	5.437	8.026
3069	349.43267	59.37191	18.183	16.477	15.593	15.191	14.907	349.43165	59.36817	18.197	16.469	15.595	15.199	14.917	13.595	187.949
3070	349.46744	54.89208	21.377	19.779	19.027	18.710	18.553	349.46116	54.88731	21.381	19.774	19.049	18.708	18.537	21.562	217.128
3071	349.50376	52.34700	19.515	18.003	17.321	17.059	16.896	349.49446	52.34788	19.532	18.021	17.344	17.057	16.889	20.72	278.878

3072	349.60447	55.15952	20.053	18.455	17.683	17.355	17.123	349.59676	55.15741	20.060	18.464	17.708	17.349	17.138	17.566	244.495
3073	349.62731	56.72061	18.866	17.058	16.167	15.807	15.565	349.61717	56.71752	18.849	17.058	16.197	15.822	15.571	22.913	240.921
3074	349.62980	54.07887	20.338	18.513	17.653	17.286	17.040	349.62899	54.07283	20.325	18.542	17.676	17.309	17.058	21.826	184.473
3075	349.83820	53.83200	21.867	20.021	19.095	18.698	18.401	349.84662	53.82686	21.865	20.005	19.095	18.708	18.427	25.726	135.957
3076	349.87822	55.30948	19.611	17.701	16.867	16.527	16.342	349.86644	55.31275	19.627	17.712	16.895	16.520	16.313	26.857	296.029
3077	349.88610	54.14294	20.179	18.725	17.951	17.632	17.405	349.88039	54.14917	20.170	18.738	17.976	17.643	17.431	25.459	331.764
3078	349.91364	52.80160	19.700	18.187	17.547	17.264	17.092	349.91745	52.80307	19.671	18.162	17.566	17.283	17.098	9.845	57.421
3079	349.92038	52.35339	21.376	19.877	19.111	18.759	18.563	349.92898	52.34899	21.383	19.888	19.136	18.763	18.552	24.691	130.014
3080	349.94977	53.42570	19.923	18.445	17.793	17.520	17.339	349.96101	53.42992	19.934	18.463	17.815	17.548	17.348	28.498	57.757
3081	350.05590	53.94932	20.929	19.142	18.324	17.969	17.753	350.04828	53.95399	20.955	19.147	18.324	17.951	17.736	23.287	316.113
3082	350.05955	56.73779	21.113	19.212	18.214	17.720	17.370	350.04922	56.73209	21.113	19.231	18.217	17.734	17.388	28.963	224.816
3083	350.20072	55.77757	20.923	19.121	18.208	17.809	17.544	350.19570	55.78100	20.943	19.129	18.229	17.835	17.574	15.985	320.573
3084	350.29305	54.70176	19.033	17.357	16.638	16.368	16.200	350.29871	54.70273	19.005	17.362	16.655	16.388	16.211	12.273	73.455
3085	350.32443	51.61552	19.180	17.536	16.774	16.459	16.271	350.33479	51.61588	19.152	17.536	16.779	16.468	16.269	23.176	86.822
3086	350.34229	55.05941	18.731	17.300	16.787	16.589	16.478	350.34311	55.06530	18.706	17.307	16.794	16.614	16.488	21.288	4.567
3087	350.46382	56.57149	19.404	17.749	16.875	16.477	16.201	350.47029	56.57105	19.398	17.764	16.893	16.505	16.228	12.923	97.001
3088	350.49304	55.98096	21.097	19.332	18.402	17.942	17.612	350.49105	55.98477	21.079	19.354	18.409	17.948	17.604	14.293	343.75
3089	350.55159	50.98112	19.714	18.159	17.466	17.191	17.016	350.56123	50.98301	19.726	18.185	17.482	17.194	17.010	22.884	72.704
3090	350.60005	50.35104	19.022	17.602	17.009	16.765	16.648	350.61063	50.35522	19.018	17.620	17.027	16.775	16.654	28.577	58.207
3091	350.60942	52.49452	19.517	17.958	17.297	17.010	16.848	350.60265	52.49945	19.538	17.976	17.316	17.028	16.844	23.153	320.127
3092	350.72387	55.03235	17.969	16.600	16.090	15.920	15.820	350.71954	55.02744	17.942	16.599	16.097	15.928	15.809	19.805	206.831
3093	350.78362	50.17438	20.183	18.831	18.241	18.036	17.865	350.78663	50.17979	20.202	18.849	18.254	18.028	17.859	20.682	19.6
3094	350.85328	53.77815	19.151	17.631	16.942	16.652	16.478	350.84053	53.77777	19.178	17.651	16.948	16.672	16.497	27.163	267.153
3095	350.90381	51.90777	20.742	19.392	18.810	18.538	18.411	350.89686	51.91206	20.751	19.390	18.820	18.551	18.399	21.835	315.022
3096	350.99912	50.96546	20.736	19.312	18.636	18.355	18.188	350.99935	50.95718	20.764	19.330	18.649	18.385	18.205	29.807	178.987
3097	351.00654	56.27992	19.177	17.510	16.644	16.289	16.024	351.01637	56.27728	19.175	17.492	16.647	16.282	16.024	21.826	115.83
3098	351.00681	50.13732	20.764	19.384	18.780	18.526	18.379	351.00137	50.13274	20.785	19.400	18.784	18.535	18.373	20.725	217.269
3099	351.00919	24.85088	19.383	17.128	16.142	15.777	15.572	351.01293	24.84867	19.381	17.123	16.146	15.788	15.579	14.567	123.064
3100	351.24401	50.49619	19.267	17.402	16.648	16.381	16.231	351.24474	50.49730	19.263	17.387	16.663	16.405	16.252	4.339	22.818
3101	351.26287	55.43004	19.431	17.984	17.276	16.962	16.780	351.26038	55.42614	19.407	17.958	17.288	16.978	16.805	14.932	199.9
3102	351.27847	51.24498	19.115	17.748	17.205	16.964	16.849	351.27412	51.24331	19.095	17.772	17.207	16.976	16.860	11.513	238.353
3103	351.30095	55.57973	19.039	17.549	16.844	16.512	16.299	351.30650	55.58349	19.051	17.568	16.864	16.526	16.322	17.643	39.77
3104	351.32026	51.79006	19.288	17.640	16.902	16.613	16.449	351.31935	51.78190	19.269	17.619	16.927	16.633	16.478	29.425	183.913
3105	351.33282	51.16392	18.183	16.490	15.794	15.524	15.397	351.33210	51.16215	18.199	16.493	15.796	15.534	15.410	6.584	194.146
3106	351.41429	51.30274	20.260	18.630	17.861	17.575	17.386	351.40978	51.29917	20.248	18.637	17.865	17.548	17.365	16.36	218.304
3107	351.45513	51.56214	16.493	15.116	14.589	14.408	14.366	351.44794	51.56737	16.509	15.144	14.616	14.428	14.353	24.765	319.431
3108	351.45696	54.25903	21.311	19.618	18.822	18.452	18.238	351.45495	54.26512	21.329	19.638	18.830	18.459	18.254	22.31	349.079
3109	351.47747	55.59179	20.078	18.618	17.863	17.525	17.338	351.46842	55.58858	20.083	18.623	17.890	17.538	17.334	21.732	237.916

3110	351.47916	53.92174	21.550	19.903	19.086	18.785	18.595	351.47903	53.92984	21.549	19.888	19.113	18.805	18.607	29.151	359.47
3111	351.52310	51.13964	20.693	19.151	18.424	18.146	17.967	351.51327	51.13645	20.679	19.149	18.445	18.158	17.977	25.015	242.657
3112	351.52604	52.67333	19.877	18.051	17.286	17.007	16.821	351.51683	52.67465	19.884	18.059	17.291	17.003	16.808	20.656	283.286
3113	351.53185	55.26883	20.974	19.223	18.331	17.915	17.614	351.54351	55.26410	20.966	19.228	18.344	17.903	17.603	29.353	125.42
3114	351.59054	53.00373	18.037	16.583	16.002	15.783	15.672	351.58354	53.00720	18.010	16.576	16.010	15.793	15.680	19.662	309.526
3115	351.66170	51.04174	18.205	16.760	16.210	15.973	15.840	351.65135	51.03786	18.211	16.778	16.210	15.988	15.869	27.268	239.179
3116	351.67872	54.89492	20.310	18.889	18.253	17.961	17.831	351.68576	54.88939	20.326	18.879	18.268	17.963	17.816	24.665	143.75
3117	351.71596	54.29127	20.942	19.489	18.844	18.571	18.376	351.72286	54.29378	20.949	19.491	18.855	18.543	18.385	17.081	58
3118	351.74888	55.33468	20.424	18.887	18.236	17.959	17.783	351.74939	55.33974	20.436	18.901	18.240	17.966	17.786	18.236	3.289
3119	351.82883	48.17167	20.017	18.700	18.211	18.012	17.941	351.83516	48.17321	20.021	18.728	18.239	18.029	17.929	16.171	69.956
3120	351.89229	52.73453	21.443	19.804	19.136	18.838	18.651	351.89809	52.74071	21.440	19.802	19.142	18.818	18.623	25.584	29.613
3121	351.92886	55.07371	20.797	18.914	18.043	17.715	17.500	351.92636	55.07205	20.802	18.940	18.047	17.690	17.513	7.882	220.84
3122	351.96140	54.11839	19.021	17.293	16.521	16.243	16.072	351.96490	54.12605	19.011	17.289	16.530	16.221	16.042	28.557	14.958
3123	351.97193	55.18027	21.074	19.480	18.714	18.411	18.240	351.98150	55.17996	21.049	19.486	18.742	18.389	18.247	19.688	93.282
3124	352.03822	18.75336	19.321	17.886	17.293	17.078	16.951	352.04132	18.74978	19.302	17.865	17.300	17.098	16.971	16.652	140.623
3125	352.05404	54.81148	20.586	19.070	18.395	18.133	17.923	352.04335	54.80651	20.589	19.086	18.399	18.120	17.931	28.473	231.129
3126	352.06846	24.06742	19.042	17.387	16.769	16.546	16.456	352.06722	24.07109	19.018	17.416	16.784	16.529	16.440	13.838	342.883
3127	352.23315	47.94821	19.033	17.807	17.341	17.150	17.071	352.23756	47.94461	19.047	17.824	17.346	17.141	17.067	16.781	140.633
3128	352.26954	55.08934	20.786	19.259	18.557	18.180	17.973	352.26615	55.08157	20.785	19.286	18.577	18.173	17.979	28.82	194.037
3129	352.30527	54.32643	19.961	18.319	17.612	17.354	17.142	352.29241	54.32769	19.957	18.307	17.626	17.358	17.129	27.356	279.516
3130	352.32273	54.50883	19.578	18.149	17.509	17.244	17.114	352.32434	54.50491	19.556	18.138	17.533	17.263	17.128	14.504	166.548
3131	352.36767	54.25490	19.635	18.136	17.506	17.223	17.052	352.37474	54.26025	19.638	18.164	17.526	17.242	17.046	24.335	37.654
3132	352.37933	50.55415	19.263	17.830	17.280	17.097	16.996	352.38318	50.55591	19.274	17.843	17.308	17.113	17.025	10.856	54.242
3133	352.41163	49.86824	17.654	16.234	15.680	15.459	15.367	352.40047	49.86411	17.628	16.248	15.695	15.484	15.376	29.856	240.092
3134	352.64503	51.96586	20.071	18.670	18.057	17.808	17.671	352.63732	51.96413	20.087	18.650	18.074	17.802	17.699	18.195	250.015
3135	352.71089	51.15049	20.295	18.932	18.340	18.083	17.972	352.72409	51.15123	20.269	18.917	18.368	18.105	17.990	29.933	84.923
3136	352.71970	49.42388	19.629	18.313	17.771	17.557	17.435	352.72662	49.41758	19.611	18.316	17.772	17.540	17.414	27.892	144.495
3137	352.78998	51.77682	19.831	18.547	18.214	18.052	18.014	352.78144	51.77338	19.841	18.570	18.216	18.075	18.028	22.703	236.922
3138	352.97021	52.95781	19.328	17.990	17.355	17.089	16.915	352.97107	52.95568	19.331	17.961	17.357	17.099	16.934	7.894	166.384
3139	352.97096	47.79759	19.751	18.477	17.917	17.689	17.577	352.97430	47.79966	19.748	18.458	17.931	17.710	17.579	10.995	47.267
3140	352.98626	53.65463	18.842	17.444	16.861	16.594	16.467	352.97389	53.65400	18.818	17.432	16.863	16.605	16.474	26.482	265.057
3141	353.07397	50.06940	21.610	20.175	19.584	19.374	19.286	353.07689	50.07707	21.581	20.190	19.604	19.347	19.302	28.427	13.73
3142	353.18794	52.24139	18.762	17.444	16.927	16.707	16.605	353.18023	52.23764	18.732	17.455	16.933	16.708	16.581	21.732	231.496
3143	353.36540	48.97393	20.352	18.861	18.199	17.942	17.830	353.36463	48.97857	20.354	18.845	18.200	17.949	17.828	16.79	353.799
3144	353.59218	45.48804	18.852	16.906	16.052	15.721	15.527	353.58143	45.48872	18.872	16.881	16.052	15.711	15.513	27.246	275.191
3145	353.61360	27.26158	18.819	17.375	17.012	16.820	16.740	353.61901	27.26154	18.829	17.397	17.040	16.838	16.766	17.31	90.444
3146	353.64246	47.94363	17.622	16.234	15.656	15.445	15.337	353.63192	47.94475	17.617	16.236	15.672	15.467	15.349	25.753	279.01
3147	353.79577	16.79034	16.500	15.073	14.561	14.390	14.322	353.80129	16.78967	16.508	15.084	14.575	14.409	14.335	19.168	97.138

3148	353.81786	9.20353	16.548	15.369	14.940	14.769	14.707	353.82158	9.21004	16.541	15.381	14.952	14.774	14.707	26.897	29.405
3149	354.09317	34.87517	20.198	18.596	17.983	17.760	17.645	354.09180	34.88120	20.183	18.618	17.995	17.761	17.649	22.067	349.47
3150	354.21948	49.66187	18.742	17.396	16.849	16.650	16.551	354.22170	49.65439	18.722	17.418	16.863	16.641	16.522	27.442	169.135
3151	354.22961	50.28193	19.445	18.195	17.681	17.483	17.381	354.22939	50.28409	19.460	18.198	17.709	17.497	17.406	7.779	356.253
3152	354.36967	50.59519	18.266	17.027	16.509	16.301	16.210	354.36857	50.58988	18.287	17.040	16.531	16.314	16.206	19.283	187.512
3153	354.59266	45.07455	17.047	15.596	15.071	14.900	14.839	354.59791	45.07251	17.053	15.607	15.090	14.915	14.857	15.234	118.855
3154	355.44926	43.21434	21.625	19.149	17.964	17.462	17.164	355.43948	43.21697	21.633	19.171	17.983	17.470	17.175	27.351	290.261
3155	355.79702	47.07882	19.030	17.694	17.144	16.935	16.831	355.80593	47.07898	19.030	17.701	17.171	16.958	16.842	21.861	88.504
3156	356.40769	-10.22855	17.356	15.471	14.748	14.509	14.391	356.41469	-10.22611	17.346	15.474	14.759	14.503	14.368	26.329	70.461
3157	356.72129	29.81582	20.553	19.535	19.193	19.095	19.029	356.72066	29.82205	20.569	19.518	19.209	19.101	19.032	22.484	354.922
3158	356.89831	37.00678	18.772	16.752	15.924	15.616	15.454	356.89995	37.00592	18.783	16.777	15.948	15.628	15.466	5.632	123.051
3159	356.96213	26.92970	19.275	18.044	17.596	17.430	17.359	356.96293	26.93105	19.257	18.052	17.601	17.426	17.359	5.493	27.919
3160	357.54469	26.69595	21.489	19.039	18.076	17.747	17.527	357.53992	26.68942	21.519	19.040	18.082	17.748	17.526	28.05	213.134
3161	358.91969	33.04692	18.385	16.992	16.453	16.272	16.196	358.91985	33.04896	18.384	17.006	16.469	16.274	16.196	7.355	3.891

#### ACKNOWLEDGEMENTS

Funding for the Sloan Digital Sky Survey (SDSS) and SDSSII has been provided by the Alfred P. Sloan Foundation, the Participating Institutions, the National Science Foundation, the U.S. Department of Energy, the National Aeronautics and Space Administration, the Japanese Monbukagakusho, and the Max Planck Society, and the Higher Education Funding Council for England.

The SDSS Web site is  
<http://www.sdss.org/>.