

基本統計量

n=801

変数名	合計	平均	標準偏差
P4 (円/月)	334066854	417062.2	116273.3
P3(P1/N) (-)	3487962.837	4354.51	3837.868
P5(N*P4 *12)/100 0 (千円)	109111530.6	136219.1	99196.24
R4(N/P1) (-)	0.280083616	0.00035	0.000205
P6(N*P4 *12/P1) (円/人)	1235159.744	1542.022	690.3477
N (人)	20252	25.2834	9.232326

全国801市データから議員数を推定

5変数から、決定係数0.944で議員数が求まる。
変数をどの様に考えて、議員数を決めるかである。

P3=5,500人、P6=1,050円/人 を考えると、
議員数は、22.3人、議員報酬P4=481,000円/月が
考えられる。

相関行列

	P4 (円/月)	P3(P1/N) (-)	P5(N*P4 *12)/100 0 (千円)	R4(N/P1) (-)	P6(N*P4 *12/P1) (円/人)	N (人)
P4 (円/月)	1	0.839	0.878	-0.727	-0.574	0.753
P3(P1/N) (-)	0.839	1	0.935	-0.665	-0.646	0.864
P5(N*P4 *12)/100 0 (千円)	0.878	0.935	1	-0.601	-0.547	0.945
R4(N/P1) (-)	-0.727	-0.665	-0.601	1	0.936	-0.585
P6(N*P4 *12/P1) (円/人)	-0.574	-0.646	-0.547	0.936	1	-0.562
N (人)	0.753	0.864	0.945	-0.585	-0.562	1

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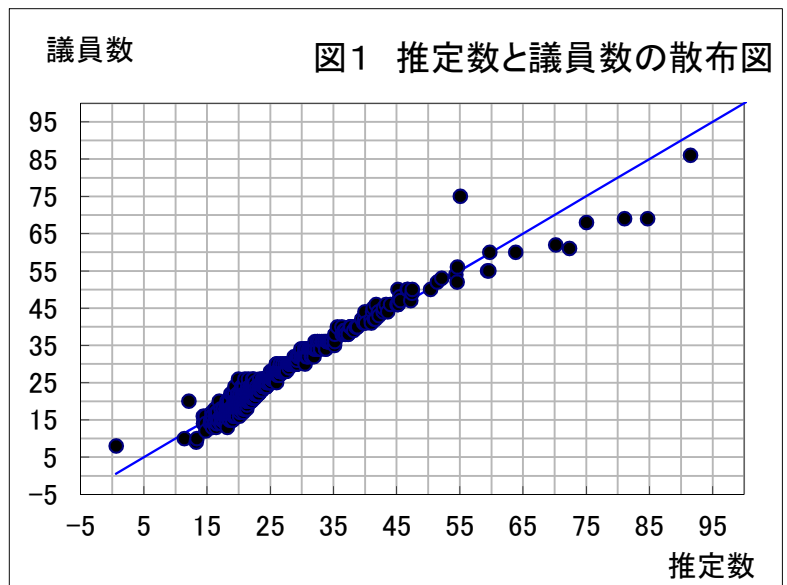
	予測値	実績値
件数	801	801
合計	20252	20252
平均	25.28339576	25.2834
標準偏差	8.968914046	9.232326
積和	64353.13533	---
相関係数	0.971	---

分析精度

決定係数	0.944
自由度修 正済み決 定係数	0.944
ダーヴィ ンワトソン	1.659184121

関数式名 直線

a=	1.000000000000010
b=	-0.0000000000000260



分散分析表

変動因	偏差平方和	自由度	不偏分散	分散比	p値	判定
全体変動	68188.66916	800				
回帰による変動	64353.13533	1	64353.14	13405.74	0.000	[**]
回帰からの残差変動	3835.533835	799	4.800418			

	予測値	実績値	予測値	残差	標準化残差
1	75.03610978	68	75.03611	-7.03611	-3.21139
2	27.39514663	30	27.39515	2.604853	1.188896
3	27.1329969	28	27.133	0.867003	0.395714
4	32.49189216	36	32.49189	3.508108	1.601155
5	22.92920005	22	22.9292	-0.9292	-0.4241
6	26.8353147	28	26.83531	1.164685	0.531581
7	30.4491164	32	30.44912	1.550884	0.707847
8	28.76002622	30	28.76003	1.239974	0.565943
9	25.67405036	26	25.67405	0.32595	0.148768
10	13.30792316	9	13.30792	-4.30792	-1.9662
11	20.71219065	20	20.71219	-0.71219	-0.32505
12	17.45970499	16	17.4597	-1.4597	-0.66623
13	28.43433223	30	28.43433	1.565668	0.714595
14	20.67073803	20	20.67074	-0.67074	-0.30614
15	17.18332	14	17.18332	-3.18332	-1.45292
16	14.81258581	12	14.81259	-2.81259	-1.28371
17	13.41306398	10	13.41306	-3.41306	-1.55778
18	26.29959856	27	26.2996	0.700401	0.319674
19	16.93315239	20	16.93315	3.066848	1.399757
20	17.93632028	18	17.93632	0.06368	0.029064
21	19.43656267	20	19.43656	0.563437	0.257162
22	11.39842033	10	11.39842	-1.39842	-0.63826
23	19.27781332	20	19.27781	0.722187	0.329617
24	25.04901553	25	25.04902	-0.04902	-0.02237
25	20.36919014	18	20.36919	-2.36919	-1.08134
26	15.54008176	14	15.54008	-1.54008	-0.70292
27	0.604015345	8	0.604015	7.395985	3.375643
28	17.17693946	16	17.17694	-1.17694	-0.53717
29	17.61463245	18	17.61463	0.385368	0.175888
30	22.07182838	21	22.07183	-1.07183	-0.4892
31	22.48032915	21	22.48033	-1.48033	-0.67565
32	19.75640292	18	19.7564	-1.7564	-0.80165
33	22.84945499	22	22.84945	-0.84945	-0.3877
34	22.86651343	22	22.86651	-0.86651	-0.39549
35	22.27405406	22	22.27405	-0.27405	-0.12508
36	32.907543	34	32.90754	1.092457	0.498614
37	41.00563025	41	41.00563	-0.00563	-0.00257
38	35.08889144	36	35.08889	0.911109	0.415844
39	19.06246565	16	19.06247	-3.06247	-1.39776
40	24.87735713	26	24.87736	1.122643	0.512392
41	22.96458878	22	22.96459	-0.96459	-0.44025
42	20.97536734	20	20.97537	-0.97537	-0.44517
43	24.92895566	26	24.92896	1.071044	0.488841
44	21.77315954	24	21.77316	2.22684	1.016365
45	20.00430618	20	20.00431	-0.00431	-0.00197

[グラフ出力用]

予測値	実績値	予測値
0.604015	8	0.604015
11.39842	10	11.39842
12.11811	20	12.11811
13.30792	9	13.30792
13.41306	10	13.41306
14.40807	16	14.40807
14.45128	14	14.45128
14.46878	14	14.46878
14.72836	16	14.72836
14.77579	14	14.77579
14.81259	12	14.81259
15.54008	14	15.54008
15.5694	15	15.5694
15.75312	17	15.75312
15.76397	16	15.76397
15.77025	14	15.77025
15.85929	16	15.85929
15.86827	13	15.86827
16.08663	14	16.08663
16.21901	16	16.21901
16.25459	14	16.25459
16.30441	18	16.30441
16.36114	16	16.36114
16.44627	13	16.44627
16.48521	17	16.48521
16.52692	14	16.52692
16.60435	16	16.60435
16.64206	14	16.64206
16.70146	17	16.70146
16.71154	15	16.71154
16.88305	15	16.88305
16.93315	20	16.93315
17.17694	16	17.17694
17.17741	16	17.17741
17.18332	14	17.18332
17.19393	18	17.19393
17.2417	16	17.2417
17.28642	14	17.28642
17.30153	14	17.30153
17.34886	16	17.34886
17.36433	15	17.36433
17.39476	16	17.39476
17.44687	15	17.44687
17.4597	16	17.4597

46	37.27793159	38	37.27793	0.722068	0.329563	17.48943	16	17.48943
47	25.39854718	28	25.39855	2.601453	1.187344	17.49332	18	17.49332
48	22.35305814	26	22.35306	3.646942	1.664521	17.53179	16	17.53179
49	29.96021164	34	29.96021	4.039788	1.843822	17.55309	15	17.55309
50	27.835579	30	27.83558	2.164421	0.987876	17.5658	16	17.5658
51	21.44215129	24	21.44215	2.557849	1.167442	17.58276	15	17.58276
52	19.3721426	20	19.37214	0.627857	0.286564	17.5832	16	17.5832
53	17.19392675	18	17.19393	0.806073	0.367904	17.58569	15	17.58569
54	20.66346346	20	20.66346	-0.66346	-0.30282	17.61463	18	17.61463
55	19.80456002	22	19.80456	2.19544	1.002033	17.646	15	17.646
56	19.43209912	24	19.4321	4.567901	2.084861	17.71218	15	17.71218
57	29.87015293	34	29.87015	4.129847	1.884927	17.72865	16	17.72865
58	59.37883858	55	59.37884	-4.37884	-1.99857	17.88419	16	17.88419
59	31.84515721	34	31.84516	2.154843	0.983504	17.93632	18	17.93632
60	20.1410516	18	20.14105	-2.14105	-0.97721	17.96421	16	17.96421
61	26.99556346	30	26.99556	3.004437	1.371272	17.99023	14	17.99023
62	19.74262729	18	19.74263	-1.74263	-0.79536	18.02598	16	18.02598
63	24.26114872	24	24.26115	-0.26115	-0.11919	18.02858	16	18.02858
64	19.12938092	18	19.12938	-1.12938	-0.51547	18.03727	16	18.03727
65	20.41741203	18	20.41741	-2.41741	-1.10334	18.06759	16	18.06759
66	21.55035172	21	21.55035	-0.55035	-0.25119	18.08503	15	18.08503
67	28.29894937	30	28.29895	1.701051	0.776386	18.10849	16	18.10849
68	28.16432152	30	28.16432	1.835678	0.837832	18.13786	20	18.13786
69	21.75118044	22	21.75118	0.24882	0.113565	18.14968	19	18.14968
70	31.6857508	34	31.68575	2.314249	1.056259	18.16133	18	18.16133
71	38.22414274	39	38.22414	0.775857	0.354113	18.1863	13	18.1863
72	24.88131883	26	24.88132	1.118681	0.510584	18.18738	16	18.18738
73	28.27840742	30	28.27841	1.721593	0.785762	18.20809	19	18.20809
74	26.57003771	28	26.57004	1.429962	0.652657	18.21082	17	18.21082
75	27.8071476	30	27.80715	2.192852	1.000852	18.21163	17	18.21163
76	19.9908568	20	19.99086	0.009143	0.004173	18.26282	17	18.26282
77	24.40182436	26	24.40182	1.598176	0.729432	18.28245	16	18.28245
78	28.38921687	30	28.38922	1.610783	0.735187	18.35898	16	18.35898
79	20.28622593	20	20.28623	-0.28623	-0.13064	18.38359	19	18.38359
80	21.00837358	26	21.00837	4.991626	2.278256	18.45374	18	18.45374
81	20.31779108	20	20.31779	-0.31779	-0.14504	18.45782	20	18.45782
82	19.89048939	22	19.89049	2.109511	0.962814	18.47297	16	18.47297
83	18.45781599	20	18.45782	1.542184	0.703877	18.49466	16	18.49466
84	35.19877832	35	35.19878	-0.19878	-0.09073	18.55034	20	18.55034
85	24.3901735	24	24.39017	-0.39017	-0.17808	18.5711	16	18.5711
86	31.96145098	34	31.96145	2.038549	0.930426	18.58676	15	18.58676
87	29.00247294	30	29.00247	0.997527	0.455287	18.59406	18	18.59406
88	19.75666579	18	19.75667	-1.75667	-0.80177	18.59785	16	18.59785
89	20.07271996	18	20.07272	-2.07272	-0.94602	18.60928	15	18.60928
90	18.08502799	15	18.08503	-3.08503	-1.40805	18.67945	18	18.67945
91	16.70146258	17	16.70146	0.298537	0.136257	18.73025	16	18.73025
92	18.0372672	16	18.03727	-2.03727	-0.92984	18.74508	22	18.74508
93	22.84645447	22	22.84645	-0.84645	-0.38634	18.7926	17	18.7926
94	20.27333127	18	20.27333	-2.27333	-1.03758	18.83638	16	18.83638
95	15.76397185	16	15.76397	0.236028	0.107727	18.87384	18	18.87384
96	19.76819034	19	19.76819	-0.76819	-0.35061	18.87566	16	18.87566
97	36.94163743	38	36.94164	1.058363	0.483053	18.89926	18	18.89926
98	29.23576218	30	29.23576	0.764238	0.34881	18.90958	22	18.90958
99	38.74624164	40	38.74624	1.253758	0.572235	18.93605	18	18.93605
100	38.60552952	40	38.60553	1.39447	0.636458	18.94285	18	18.94285
101	25.26551723	26	25.26552	0.734483	0.335229	18.94863	18	18.94863
102	27.15842295	28	27.15842	0.841577	0.384109	18.96114	15	18.96114
103	24.44679182	26	24.44679	1.553208	0.708908	18.96625	16	18.96625
104	20.55101021	20	20.55101	-0.55101	-0.25149	19.00245	18	19.00245

105	25.05132346	26	25.05132	0.948677	0.432991	19.04324	18	19.04324
106	21.90888851	22	21.90889	0.091111	0.041585	19.04956	15	19.04956
107	24.10380039	24	24.1038	-0.1038	-0.04738	19.06247	16	19.06247
108	25.33555323	26	25.33555	0.664447	0.303264	19.07653	16	19.07653
109	20.48680422	24	20.4868	3.513196	1.603477	19.08615	22	19.08615
110	54.60460403	56	54.6046	1.395396	0.63688	19.08925	15	19.08925
111	35.2504495	38	35.25045	2.749551	1.254938	19.10939	18	19.10939
112	25.66279505	26	25.6628	0.337205	0.153906	19.12925	18	19.12925
113	25.71864619	26	25.71865	0.281354	0.128414	19.12938	18	19.12938
114	26.42100512	27	26.42101	0.578995	0.264262	19.13171	18	19.13171
115	19.46589959	16	19.4659	-3.4659	-1.58189	19.15404	18	19.15404
116	19.41252062	20	19.41252	0.587479	0.268135	19.16441	18	19.16441
117	25.9328522	30	25.93285	4.067148	1.85631	19.1921	16	19.1921
118	20.12488151	17	20.12488	-3.12488	-1.42624	19.19237	17	19.19237
119	25.9882377	30	25.98824	4.011762	1.831031	19.24676	18	19.24676
120	24.30327202	24	24.30327	-0.30327	-0.13842	19.25493	17	19.25493
121	23.33260528	26	23.33261	2.667395	1.217441	19.27781	20	19.27781
122	19.88327528	18	19.88328	-1.88328	-0.85956	19.28834	17	19.28834
123	21.88924835	20	21.88925	-1.88925	-0.86228	19.29289	19	19.29289
124	25.0260009	28	25.026	2.973999	1.35738	19.30374	18	19.30374
125	21.94651243	22	21.94651	0.053488	0.024413	19.33709	18	19.33709
126	22.07144278	24	22.07144	1.928557	0.880224	19.34625	20	19.34625
127	24.48005361	26	24.48005	1.519946	0.693727	19.36323	22	19.36323
128	19.38074801	18	19.38075	-1.38075	-0.63019	19.37117	20	19.37117
129	39.91745511	42	39.91746	2.082545	0.950506	19.37214	20	19.37214
130	29.1911793	30	29.19118	0.808821	0.369158	19.38075	18	19.38075
131	25.84971236	26	25.84971	0.150288	0.068594	19.38527	16	19.38527
132	19.91059606	18	19.9106	-1.9106	-0.87203	19.41252	20	19.41252
133	19.98262822	18	19.98263	-1.98263	-0.9049	19.4321	24	19.4321
134	18.57109802	16	18.5711	-2.5711	-1.17349	19.43656	20	19.43656
135	20.99725384	20	20.99725	-0.99725	-0.45516	19.45058	20	19.45058
136	22.40962883	22	22.40963	-0.40963	-0.18696	19.4659	16	19.4659
137	18.35897621	16	18.35898	-2.35898	-1.07667	19.54874	18	19.54874
138	27.02155585	30	27.02156	2.978444	1.359408	19.55585	18	19.55585
139	38.8143149	40	38.81431	1.185685	0.541165	19.58658	18	19.58658
140	22.76600115	22	22.766	-0.766	-0.34961	19.60259	18	19.60259
141	24.1773533	24	24.17735	-0.17735	-0.08095	19.61665	18	19.61665
142	19.86760782	20	19.86761	0.132392	0.060426	19.62429	18	19.62429
143	14.77579165	14	14.77579	-0.77579	-0.35408	19.62523	18	19.62523
144	22.9077481	22	22.90775	-0.90775	-0.41431	19.63901	18	19.63901
145	16.88304998	15	16.88305	-1.88305	-0.85945	19.64829	20	19.64829
146	27.30532476	28	27.30532	0.694675	0.317061	19.68625	16	19.68625
147	19.55585418	18	19.55585	-1.55585	-0.71012	19.73459	20	19.73459
148	20.2726911	18	20.27269	-2.27269	-1.03729	19.74263	18	19.74263
149	19.68624636	16	19.68625	-3.68625	-1.68246	19.7564	18	19.7564
150	30.72302561	32	30.72303	1.276974	0.582831	19.75667	18	19.75667
151	25.51657443	26	25.51657	0.483426	0.220643	19.76819	19	19.76819
152	23.06787919	22	23.06788	-1.06788	-0.4874	19.80456	22	19.80456
153	19.12924563	18	19.12925	-1.12925	-0.51541	19.82222	18	19.82222
154	19.62523143	18	19.62523	-1.62523	-0.74178	19.83345	18	19.83345
155	17.58319644	16	17.5832	-1.5832	-0.7226	19.86536	18	19.86536
156	21.59070408	20	21.5907	-1.5907	-0.72602	19.86761	20	19.86761
157	18.89925924	18	18.89926	-0.89926	-0.41044	19.86815	20	19.86815
158	25.74983	26	25.74983	0.25017	0.114181	19.87337	18	19.87337
159	36.88215842	39	36.88216	2.117842	0.966616	19.88328	18	19.88328
160	28.9975689	31	28.99757	2.002431	0.913941	19.89049	22	19.89049
161	29.2446021	31	29.2446	1.755398	0.801191	19.89188	20	19.89188
162	20.53851056	18	20.53851	-2.53851	-1.15862	19.9106	18	19.9106
163	23.61982356	23	23.61982	-0.61982	-0.2829	19.92138	18	19.92138

164	18.96114416	15	18.96114	-3.96114	-1.80793	19.94238	18	19.94238
165	21.54123118	20	21.54123	-1.54123	-0.70344	19.96185	26	19.96185
166	21.51922674	21	21.51923	-0.51923	-0.23698	19.97921	18	19.97921
167	22.47085059	21	22.47085	-1.47085	-0.67132	19.98263	18	19.98263
168	18.58676234	15	18.58676	-3.58676	-1.63705	19.99086	20	19.99086
169	21.39416802	20	21.39417	-1.39417	-0.63632	20.00431	20	20.00431
170	18.94863336	18	18.94863	-0.94863	-0.43297	20.02774	20	20.02774
171	17.39476009	16	17.39476	-1.39476	-0.63659	20.03859	18	20.03859
172	18.18629785	13	18.1863	-5.1863	-2.36711	20.05075	18	20.05075
173	23.0153029	22	23.0153	-1.0153	-0.4634	20.07272	18	20.07272
174	26.74938677	28	26.74939	1.250613	0.570799	20.11219	18	20.11219
175	23.81168488	24	23.81168	0.188315	0.08595	20.12488	17	20.12488
176	19.29288806	19	19.29289	-0.29289	-0.13368	20.12534	20	20.12534
177	26.81506265	28	26.81506	1.184937	0.540824	20.13156	18	20.13156
178	35.6128575	40	35.61286	4.387143	2.00236	20.14105	18	20.14105
179	27.22858531	28	27.22859	0.771415	0.352086	20.14489	16	20.14489
180	25.74221449	26	25.74221	0.257786	0.117657	20.20388	22	20.20388
181	27.16814956	28	27.16815	0.83185	0.37967	20.22368	22	20.22368
182	23.69858554	24	23.69859	0.301414	0.13757	20.2303	18	20.2303
183	28.14910728	30	28.14911	1.850893	0.844776	20.24084	21	20.24084
184	22.15618802	22	22.15619	-0.15619	-0.07129	20.24891	17	20.24891
185	26.4849254	28	26.48493	1.515075	0.691504	20.27269	18	20.27269
186	32.10738855	36	32.10739	3.892611	1.776649	20.27333	18	20.27333
187	24.15039348	24	24.15039	-0.15039	-0.06864	20.27376	22	20.27376
188	27.11659217	28	27.11659	0.883408	0.403201	20.28623	20	20.28623
189	22.91758447	24	22.91758	1.082416	0.494031	20.31394	18	20.31394
190	24.53795633	25	24.53796	0.462044	0.210884	20.31779	20	20.31779
191	24.14041155	24	24.14041	-0.14041	-0.06409	20.3242	18	20.3242
192	22.75685374	22	22.75685	-0.75685	-0.34544	20.3482	18	20.3482
193	21.27437572	20	21.27438	-1.27438	-0.58164	20.36218	20	20.36218
194	22.81841896	22	22.81842	-0.81842	-0.37354	20.36919	18	20.36919
195	22.81644629	22	22.81645	-0.81645	-0.37264	20.37604	19	20.37604
196	21.5317646	20	21.53176	-1.53176	-0.69912	20.39558	18	20.39558
197	22.51406476	22	22.51406	-0.51406	-0.23463	20.4126	19	20.4126
198	12.11810582	20	12.11811	7.881894	3.597419	20.41741	18	20.41741
199	25.56244428	26	25.56244	0.437556	0.199707	20.47413	20	20.47413
200	22.93649765	22	22.9365	-0.9365	-0.42743	20.48006	18	20.48006
201	19.9423759	18	19.94238	-1.94238	-0.88653	20.4868	24	20.4868
202	22.1609551	21	22.16096	-1.16096	-0.52988	20.52419	19	20.52419
203	26.84637014	28	26.84637	1.15363	0.526535	20.53233	18	20.53233
204	26.0128534	25	26.01285	-1.01285	-0.46228	20.53851	18	20.53851
205	30.53704911	30	30.53705	-0.53705	-0.24512	20.55101	20	20.55101
206	33.80336474	34	33.80336	0.196635	0.089747	20.58331	22	20.58331
207	37.3433907	38	37.34339	0.656609	0.299687	20.59808	24	20.59808
208	33.77122074	34	33.77122	0.228779	0.104418	20.59858	20	20.59858
209	31.92143293	32	31.92143	0.078567	0.035859	20.60926	20	20.60926
210	30.97175609	32	30.97176	1.028244	0.469307	20.61761	20	20.61761
211	42.09614482	44	42.09614	1.903855	0.868949	20.64578	22	20.64578
212	38.65834643	40	38.65835	1.341654	0.612352	20.66346	20	20.66346
213	35.15116132	36	35.15116	0.848839	0.387423	20.67074	20	20.67074
214	46.77820725	50	46.77821	3.221793	1.470476	20.68057	20	20.68057
215	45.19462274	50	45.19462	4.805377	2.193249	20.71219	20	20.71219
216	33.78328359	34	33.78328	0.216716	0.098913	20.71824	17	20.71824
217	40.94823967	42	40.94824	1.05176	0.48004	20.73181	19	20.73181
218	45.48557675	48	45.48558	2.514423	1.147622	20.73674	22	20.73674
219	35.24516136	36	35.24516	0.754839	0.34452	20.74181	20	20.74181
220	43.58252072	44	43.58252	0.417479	0.190544	20.74622	22	20.74622
221	31.65355959	32	31.65356	0.34644	0.158121	20.7503	18	20.7503
222	43.33738182	46	43.33738	2.662618	1.21526	20.78854	19	20.78854

223	46.66451155	50	46.66451	3.335488	1.522369	20.81371	20	20.81371
224	41.29244116	45	41.29244	3.707559	1.692188	20.81927	18	20.81927
225	37.78227021	40	37.78227	2.21773	1.012206	20.8451	24	20.8451
226	40.01004669	44	40.01005	3.989953	1.821077	20.87603	19	20.87603
227	103.1020014	86	103.102	-17.102	-7.80562	20.87711	22	20.87711
228	63.84004016	60	63.84004	-3.84004	-1.75265	20.89303	20	20.89303
229	47.45346504	49	47.45347	1.546535	0.705863	20.89828	24	20.89828
230	39.8063472	41	39.80635	1.193653	0.544802	20.90361	20	20.90361
231	27.66829599	30	27.6683	2.331704	1.064226	20.9119	22	20.9119
232	26.93211402	28	26.93211	1.067886	0.4874	20.94317	22	20.94317
233	32.4403506	36	32.44035	3.559649	1.62468	20.9673	18	20.9673
234	26.59239474	28	26.59239	1.407605	0.642453	20.96871	20	20.96871
235	25.91795691	28	25.91796	2.082043	0.950277	20.96919	18	20.96919
236	21.34482689	20	21.34483	-1.34483	-0.6138	20.97537	20	20.97537
237	17.58568967	15	17.58569	-2.58569	-1.18015	20.97583	19	20.97583
238	25.269786	26	25.26979	0.730214	0.333281	20.97809	20	20.97809
239	26.10657242	28	26.10657	1.893428	0.86419	20.99725	20	20.99725
240	26.06709444	28	26.06709	1.932906	0.882208	21.00837	26	21.00837
241	22.02174235	21	22.02174	-1.02174	-0.46634	21.02298	20	21.02298
242	22.52621104	22	22.52621	-0.52621	-0.24017	21.02431	20	21.02431
243	24.15156622	24	24.15157	-0.15157	-0.06918	21.02869	20	21.02869
244	19.38527395	16	19.38527	-3.38527	-1.54509	21.05395	18	21.05395
245	22.34935243	21	22.34935	-1.34935	-0.61587	21.08518	22	21.08518
246	31.49797979	32	31.49798	0.50202	0.22913	21.09831	21	21.09831
247	21.49229162	20	21.49229	-1.49229	-0.68111	21.12332	20	21.12332
248	19.16441372	18	19.16441	-1.16441	-0.53146	21.12469	20	21.12469
249	17.64599504	15	17.646	-2.646	-1.20767	21.13826	20	21.13826
250	19.10938796	18	19.10939	-1.10939	-0.50634	21.15174	20	21.15174
251	24.20103687	24	24.20104	-0.20104	-0.09176	21.1803	20	21.1803
252	23.11722097	22	23.11722	-1.11722	-0.50992	21.18737	20	21.18737
253	24.18846173	24	24.18846	-0.18846	-0.08602	21.20617	20	21.20617
254	22.24231399	22	22.24231	-0.24231	-0.1106	21.22604	20	21.22604
255	18.16132905	18	18.16133	-0.16133	-0.07363	21.27438	20	21.27438
256	20.60926226	20	20.60926	-0.60926	-0.27808	21.28726	18	21.28726
257	19.61665104	18	19.61665	-1.61665	-0.73786	21.32319	20	21.32319
258	18.93605405	18	18.93605	-0.93605	-0.42723	21.32898	22	21.32898
259	25.71569206	28	25.71569	2.284308	1.042594	21.33771	20	21.33771
260	26.7467745	28	26.74677	1.253225	0.571992	21.34483	20	21.34483
261	27.24257289	28	27.24257	0.757427	0.345702	21.34493	20	21.34493
262	26.93866864	28	26.93867	1.061331	0.484408	21.34738	23	21.34738
263	24.33686046	24	24.33686	-0.33686	-0.15375	21.34762	19	21.34762
264	20.97583062	19	20.97583	-1.97583	-0.9018	21.34791	20	21.34791
265	24.30780645	24	24.30781	-0.30781	-0.14049	21.36635	20	21.36635
266	21.13826122	20	21.13826	-1.13826	-0.51952	21.3826	20	21.3826
267	22.86259522	22	22.8626	-0.8626	-0.3937	21.39417	20	21.39417
268	22.75427677	22	22.75428	-0.75428	-0.34426	21.4048	20	21.4048
269	18.18738391	16	18.18738	-2.18738	-0.99836	21.42201	20	21.42201
270	22.361474	22	22.36147	-0.36147	-0.16498	21.44215	24	21.44215
271	24.34680022	24	24.3468	-0.3468	-0.15829	21.46808	20	21.46808
272	27.19297432	28	27.19297	0.807026	0.368339	21.47632	22	21.47632
273	23.05527847	22	23.05528	-1.05528	-0.48165	21.49229	20	21.49229
274	30.51458269	33	30.51458	2.485417	1.134383	21.49846	22	21.49846
275	24.47060471	25	24.4706	0.529395	0.241624	21.50719	20	21.50719
276	23.02349322	22	23.02349	-1.02349	-0.46714	21.50893	22	21.50893
277	19.00244538	18	19.00245	-1.00245	-0.45753	21.51638	20	21.51638
278	21.75924736	20	21.75925	-1.75925	-0.80295	21.51923	21	21.51923
279	22.17063402	22	22.17063	-0.17063	-0.07788	21.52351	20	21.52351
280	23.64579355	24	23.64579	0.354206	0.161665	21.5256	20	21.5256
281	24.4445506	24	24.44455	-0.44455	-0.2029	21.53162	26	21.53162

282	22.69542802	22	22.69543	-0.69543	-0.3174	21.53176	20	21.53176
283	22.18794971	22	22.18795	-0.18795	-0.08578	21.53749	22	21.53749
284	20.14488703	16	20.14489	-4.14489	-1.89179	21.54123	20	21.54123
285	25.45646555	26	25.45647	0.543534	0.248078	21.54731	21	21.54731
286	20.61761143	20	20.61761	-0.61761	-0.28189	21.55035	21	21.55035
287	22.10124891	22	22.10125	-0.10125	-0.04621	21.56198	20	21.56198
288	22.33299349	22	22.33299	-0.33299	-0.15198	21.56248	20	21.56248
289	21.38259599	20	21.3826	-1.3826	-0.63104	21.56479	20	21.56479
290	22.51199952	22	22.512	-0.512	-0.23368	21.5907	20	21.5907
291	45.63333171	47	45.63333	1.366668	0.623769	21.62001	21	21.62001
292	23.52234822	24	23.52235	0.477652	0.218008	21.70447	21	21.70447
293	31.54114922	34	31.54115	2.458851	1.122258	21.73334	20	21.73334
294	24.18071831	24	24.18072	-0.18072	-0.08248	21.75118	22	21.75118
295	25.81555507	26	25.81556	0.184445	0.084184	21.75441	20	21.75441
296	28.14564266	30	28.14564	1.854357	0.846358	21.75925	20	21.75925
297	28.94263162	30	28.94263	1.057368	0.482599	21.76198	22	21.76198
298	26.24502981	28	26.24503	1.75497	0.800996	21.77316	24	21.77316
299	25.34841629	26	25.34842	0.651584	0.297393	21.82803	22	21.82803
300	18.96624685	16	18.96625	-2.96625	-1.35384	21.84162	21	21.84162
301	28.04505016	30	28.04505	1.95495	0.89227	21.84302	20	21.84302
302	21.54731269	21	21.54731	-0.54731	-0.2498	21.85971	21	21.85971
303	18.94284798	18	18.94285	-0.94285	-0.43033	21.88925	20	21.88925
304	22.3046226	21	22.30462	-1.30462	-0.59545	21.89524	20	21.89524
305	22.49100104	22	22.491	-0.491	-0.2241	21.89875	20	21.89875
306	30.25637133	32	30.25637	1.743629	0.795819	21.90865	22	21.90865
307	31.91726493	34	31.91726	2.082735	0.950593	21.90889	22	21.90889
308	22.50707277	22	22.50707	-0.50707	-0.23144	21.93168	24	21.93168
309	23.05187981	22	23.05188	-1.05188	-0.48009	21.94651	22	21.94651
310	25.52224765	26	25.52225	0.477752	0.218054	21.94688	20	21.94688
311	23.00603621	22	23.00604	-1.00604	-0.45917	21.95928	20	21.95928
312	22.01597376	21	22.01597	-1.01597	-0.46371	21.96296	22	21.96296
313	23.96961197	24	23.96961	0.030388	0.01387	22.01597	21	22.01597
314	21.50718829	20	21.50719	-1.50719	-0.6879	22.02174	21	22.02174
315	59.74660924	60	59.74661	0.253391	0.115651	22.02373	22	22.02373
316	33.64384677	36	33.64385	2.356153	1.075385	22.03113	21	22.03113
317	29.8630806	32	29.86308	2.136919	0.975323	22.0611	22	22.0611
318	22.9960638	22	22.99606	-0.99606	-0.45462	22.06337	22	22.06337
319	26.08892215	28	26.08892	1.911078	0.872246	22.06499	20	22.06499
320	33.39510289	36	33.3951	2.604897	1.188916	22.06953	21	22.06953
321	22.42053423	21	22.42053	-1.42053	-0.64835	22.07144	24	22.07144
322	29.55208642	32	29.55209	2.447914	1.117266	22.07183	21	22.07183
323	23.16273223	22	23.16273	-1.16273	-0.53069	22.10125	22	22.10125
324	22.30908301	21	22.30908	-1.30908	-0.59749	22.11914	21	22.11914
325	29.41932672	32	29.41933	2.580673	1.17786	22.12368	22	22.12368
326	21.96296233	22	21.96296	0.037038	0.016905	22.15047	21	22.15047
327	17.99022539	14	17.99023	-3.99023	-1.8212	22.15619	22	22.15619
328	25.61860727	26	25.61861	0.381393	0.174074	22.16096	21	22.16096
329	25.46682108	26	25.46682	0.533179	0.243351	22.17063	22	22.17063
330	27.75888748	30	27.75889	2.241113	1.022879	22.18795	22	22.18795
331	27.77989882	30	27.7799	2.220101	1.013289	22.20605	21	22.20605
332	28.7996862	32	28.79969	3.200314	1.460673	22.23229	26	22.23229
333	20.13155621	18	20.13156	-2.13156	-0.97288	22.23258	21	22.23258
334	25.7780848	26	25.77808	0.221915	0.101286	22.23396	22	22.23396
335	22.23981017	22	22.23981	-0.23981	-0.10945	22.23981	22	22.23981
336	24.20143767	24	24.20144	-0.20144	-0.09194	22.24231	22	22.24231
337	19.04955779	15	19.04956	-4.04956	-1.84828	22.25335	24	22.25335
338	20.96919357	18	20.96919	-2.96919	-1.35519	22.2692	23	22.2692
339	25.30481559	26	25.30482	0.695184	0.317293	22.27405	22	22.27405
340	21.34761988	19	21.34762	-2.34762	-1.07149	22.27762	23	22.27762

341	30.5336845	34	30.53368	3.466315	1.58208	22.28473	22	22.28473
342	21.94687972	20	21.94688	-1.94688	-0.88859	22.28654	21	22.28654
343	23.0861944	22	23.08619	-1.08619	-0.49576	22.28812	22	22.28812
344	22.39880265	21	22.3988	-1.3988	-0.63844	22.30462	21	22.30462
345	25.64675846	26	25.64676	0.353242	0.161225	22.30908	21	22.30908
346	21.89874623	20	21.89875	-1.89875	-0.86662	22.32521	21	22.32521
347	24.38350793	24	24.38351	-0.38351	-0.17504	22.32775	22	22.32775
348	19.08924888	15	19.08925	-4.08925	-1.8664	22.33299	22	22.33299
349	21.05394542	18	21.05395	-3.05395	-1.39387	22.33436	22	22.33436
350	20.96730443	18	20.9673	-2.9673	-1.35432	22.34454	22	22.34454
351	21.95927528	20	21.95928	-1.95928	-0.89424	22.34935	21	22.34935
352	22.61242761	21	22.61243	-1.61243	-0.73594	22.35306	26	22.35306
353	54.35190584	54	54.35191	-0.35191	-0.16062	22.36147	22	22.36147
354	22.40017652	21	22.40018	-1.40018	-0.63906	22.38552	22	22.38552
355	39.48524762	42	39.48525	2.514752	1.147772	22.3988	21	22.3988
356	47.4687222	50	47.46872	2.531278	1.155315	22.40018	21	22.40018
357	20.53233161	18	20.53233	-2.53233	-1.1558	22.40963	22	22.40963
358	27.32109856	28	27.3211	0.678901	0.309861	22.42053	21	22.42053
359	41.18703217	44	41.18703	2.812968	1.283882	22.42842	22	22.42842
360	27.05351319	28	27.05351	0.946487	0.431991	22.43784	22	22.43784
361	25.61753375	26	25.61753	0.382466	0.174564	22.4519	22	22.4519
362	29.12706861	30	29.12707	0.872931	0.39842	22.47085	21	22.47085
363	26.83500411	28	26.835	1.164996	0.531722	22.4714	22	22.4714
364	22.81808191	22	22.81808	-0.81808	-0.37339	22.48033	21	22.48033
365	23.05997976	22	23.05998	-1.05998	-0.48379	22.48785	22	22.48785
366	28.88770699	30	28.88771	1.112293	0.507668	22.491	22	22.491
367	32.77900827	36	32.77901	3.220992	1.470111	22.50102	21	22.50102
368	16.3044079	18	16.30441	1.695592	0.773895	22.50707	22	22.50707
369	34.23266917	36	34.23267	1.767331	0.806637	22.512	22	22.512
370	26.97243621	28	26.97244	1.027564	0.468996	22.51406	22	22.51406
371	30.117876	32	30.11788	1.882124	0.859031	22.52621	22	22.52621
372	23.96545486	24	23.96545	0.034545	0.015767	22.54421	24	22.54421
373	20.36217927	20	20.36218	-0.36218	-0.1653	22.55959	22	22.55959
374	24.29132405	24	24.29132	-0.29132	-0.13296	22.57393	24	22.57393
375	24.38839315	24	24.38839	-0.38839	-0.17727	22.57705	24	22.57705
376	22.48785359	22	22.48785	-0.48785	-0.22266	22.583	24	22.583
377	20.24084021	21	20.24084	0.75916	0.346492	22.60026	22	22.60026
378	22.89904155	22	22.89904	-0.89904	-0.41034	22.61034	22	22.61034
379	24.05180675	24	24.05181	-0.05181	-0.02365	22.61051	25	22.61051
380	23.11477493	22	23.11477	-1.11477	-0.5088	22.61243	21	22.61243
381	24.39882815	24	24.39883	-0.39883	-0.18203	22.69114	22	22.69114
382	22.50101605	21	22.50102	-1.50102	-0.68509	22.69127	22	22.69127
383	20.81927035	18	20.81927	-2.81927	-1.28676	22.69379	22	22.69379
384	22.26919938	23	22.2692	0.730801	0.333549	22.69543	22	22.69543
385	20.8137093	20	20.81371	-0.81371	-0.37139	22.70426	22	22.70426
386	24.9174025	25	24.9174	0.082598	0.037699	22.71641	22	22.71641
387	22.73970475	22	22.7397	-0.7397	-0.33761	22.71704	22	22.71704
388	20.97808838	20	20.97809	-0.97809	-0.44641	22.7397	22	22.7397
389	52.14272699	53	52.14273	0.857273	0.391273	22.75428	22	22.75428
390	41.77610956	46	41.77611	4.22389	1.927849	22.75685	22	22.75685
391	26.50673466	28	26.50673	1.493265	0.68155	22.766	22	22.766
392	19.19237076	17	19.19237	-2.19237	-1.00063	22.80749	22	22.80749
393	24.29408445	24	24.29408	-0.29408	-0.13422	22.81645	22	22.81645
394	22.43783555	22	22.43784	-0.43784	-0.19983	22.81808	22	22.81808
395	23.11547805	22	23.11548	-1.11548	-0.50912	22.81842	22	22.81842
396	23.74876326	23	23.74876	-0.74876	-0.34175	22.82957	22	22.82957
397	33.98572865	36	33.98573	2.014271	0.919345	22.84645	22	22.84645
398	28.43730212	30	28.4373	1.562698	0.71324	22.84945	22	22.84945
399	21.62000956	21	21.62001	-0.62001	-0.28298	22.85264	22	22.85264

400	24.2633666	24	24.26337	-0.26337	-0.1202	22.85515	22	22.85515
401	22.33435755	22	22.33436	-0.33436	-0.15261	22.8626	22	22.8626
402	23.74499913	23	23.745	-0.745	-0.34003	22.86651	22	22.86651
403	23.18624308	22	23.18624	-1.18624	-0.54142	22.89904	22	22.89904
404	17.30153236	14	17.30153	-3.30153	-1.50687	22.90417	24	22.90417
405	22.1504701	21	22.15047	-1.15047	-0.52509	22.90775	22	22.90775
406	20.75029761	18	20.7503	-2.7503	-1.25528	22.91758	24	22.91758
407	20.12534039	20	20.12534	-0.12534	-0.05721	22.91815	23	22.91815
408	19.07652652	16	19.07653	-3.07653	-1.40417	22.91931	22	22.91931
409	20.24891453	17	20.24891	-3.24891	-1.48286	22.9292	22	22.9292
410	22.32774519	22	22.32775	-0.32775	-0.14959	22.9365	22	22.9365
411	20.71823732	17	20.71824	-3.71824	-1.69706	22.93784	22	22.93784
412	55.07880512	75	55.07881	19.92119	9.092344	22.96459	22	22.96459
413	33.1449874	36	33.14499	2.855013	1.303072	22.98674	22	22.98674
414	37.65824958	40	37.65825	2.34175	1.068811	22.99606	22	22.99606
415	36.3381811	40	36.33818	3.661819	1.671311	23.00604	22	23.00604
416	25.65178834	26	25.65179	0.348212	0.158929	23.0153	22	23.0153
417	22.47140158	22	22.4714	-0.4714	-0.21516	23.02349	22	23.02349
418	28.65610623	30	28.65611	1.343894	0.613374	23.05188	22	23.05188
419	29.19980486	32	29.1998	2.800195	1.278053	23.05528	22	23.05528
420	21.40480307	20	21.4048	-1.4048	-0.64117	23.05998	22	23.05998
421	22.85264121	22	22.85264	-0.85264	-0.38916	23.06788	22	23.06788
422	27.24541571	28	27.24542	0.754584	0.344404	23.06827	22	23.06827
423	45.24392763	46	45.24393	0.756072	0.345083	23.08619	22	23.08619
424	28.51889901	30	28.5189	1.481101	0.675998	23.11477	22	23.11477
425	32.03699212	34	32.03699	1.963008	0.895947	23.11548	22	23.11548
426	20.23029579	18	20.2303	-2.2303	-1.01794	23.11722	22	23.11722
427	21.15174179	20	21.15174	-1.15174	-0.52567	23.16273	22	23.16273
428	21.22604229	20	21.22604	-1.22604	-0.55958	23.18624	22	23.18624
429	22.55959432	22	22.55959	-0.55959	-0.25541	23.24719	23	23.24719
430	27.18060433	28	27.1806	0.819396	0.373985	23.25581	24	23.25581
431	29.17547632	30	29.17548	0.824524	0.376325	23.33261	26	23.33261
432	20.31393824	18	20.31394	-2.31394	-1.05612	23.4526	24	23.4526
433	24.23550695	24	24.23551	-0.23551	-0.10749	23.52235	24	23.52235
434	22.11914263	21	22.11914	-1.11914	-0.51079	23.53967	23	23.53967
435	22.03112949	21	22.03113	-1.03113	-0.47062	23.55493	24	23.55493
436	23.53966605	23	23.53967	-0.53967	-0.24631	23.57538	25	23.57538
437	22.20604672	21	22.20605	-1.20605	-0.55046	23.6046	24	23.6046
438	19.19210028	16	19.1921	-3.1921	-1.45692	23.61982	23	23.61982
439	17.71217705	15	17.71218	-2.71218	-1.23788	23.64579	24	23.64579
440	21.56198427	20	21.56198	-1.56198	-0.71291	23.69859	24	23.69859
441	21.52559915	20	21.5256	-1.5256	-0.69631	23.745	23	23.745
442	22.06499149	20	22.06499	-2.06499	-0.94249	23.74876	23	23.74876
443	24.16886232	24	24.16886	-0.16886	-0.07707	23.78439	26	23.78439
444	24.15945389	24	24.15945	-0.15945	-0.07278	23.80835	26	23.80835
445	24.36525989	24	24.36526	-0.36526	-0.16671	23.81168	24	23.81168
446	19.97920673	18	19.97921	-1.97921	-0.90334	23.83756	24	23.83756
447	21.89523913	20	21.89524	-1.89524	-0.86502	23.8558	24	23.8558
448	25.74096343	26	25.74096	0.259037	0.118228	23.90665	24	23.90665
449	34.00234655	36	34.00235	1.997653	0.91176	23.93267	26	23.93267
450	34.31034959	36	34.31035	1.68965	0.771183	23.96545	24	23.96545
451	27.29309607	28	27.2931	0.706904	0.322642	23.96961	24	23.96961
452	28.58476515	30	28.58477	1.415235	0.645935	23.97405	24	23.97405
453	28.94069376	30	28.94069	1.059306	0.483484	23.98109	24	23.98109
454	27.27038356	28	27.27038	0.729616	0.333008	24.05181	24	24.05181
455	30.33117897	32	30.33118	1.668821	0.761676	24.06105	24	24.06105
456	21.18736831	20	21.18737	-1.18737	-0.54193	24.06816	26	24.06816
457	16.36113926	16	16.36114	-0.36114	-0.16483	24.07985	24	24.07985
458	22.34454266	22	22.34454	-0.34454	-0.15725	24.08379	26	24.08379

459	16.25458515	14	16.25459	-2.25459	-1.02903	24.1038	24	24.1038
460	15.85929019	16	15.85929	0.14071	0.064222	24.11965	24	24.11965
461	21.18030015	20	21.1803	-1.1803	-0.53871	24.1321	24	24.1321
462	22.71703978	22	22.71704	-0.71704	-0.32727	24.13614	24	24.13614
463	40.06895542	41	40.06896	0.931045	0.424943	24.14041	24	24.14041
464	23.25581049	24	23.25581	0.74419	0.33966	24.15039	24	24.15039
465	24.38487423	24	24.38487	-0.38487	-0.17566	24.15157	24	24.15157
466	24.16404501	24	24.16405	-0.16405	-0.07487	24.15945	24	24.15945
467	25.09975379	25	25.09975	-0.09975	-0.04553	24.16405	24	24.16405
468	24.35514182	24	24.35514	-0.35514	-0.16209	24.16443	24	24.16443
469	20.34819547	18	20.3482	-2.3482	-1.07175	24.16886	24	24.16886
470	16.44626786	13	16.44627	-3.44627	-1.57293	24.17735	24	24.17735
471	20.39558229	18	20.39558	-2.39558	-1.09338	24.18072	24	24.18072
472	18.83638272	16	18.83638	-2.83638	-1.29457	24.18279	24	24.18279
473	23.55493465	24	23.55493	0.445065	0.203135	24.18846	24	24.18846
474	20.3242049	18	20.3242	-2.3242	-1.0608	24.20104	24	24.20104
475	25.52643696	26	25.52644	0.473563	0.216142	24.20144	24	24.20144
476	22.98674377	22	22.98674	-0.98674	-0.45037	24.21136	24	24.21136
477	18.28245498	16	18.28245	-2.28245	-1.04175	24.23551	24	24.23551
478	21.75440774	20	21.75441	-1.75441	-0.80074	24.24977	24	24.24977
479	18.26281603	17	18.26282	-1.26282	-0.57637	24.25576	24	24.25576
480	19.86536099	18	19.86536	-1.86536	-0.85138	24.26115	24	24.26115
481	21.70446946	21	21.70447	-0.70447	-0.32153	24.26337	24	24.26337
482	21.53162041	26	21.53162	4.46838	2.039438	24.27311	26	24.27311
483	20.03858838	18	20.03859	-2.03859	-0.93044	24.29132	24	24.29132
484	91.48561014	86	91.48561	-5.48561	-2.50372	24.29408	24	24.29408
485	54.56029837	52	54.5603	-2.5603	-1.16856	24.30327	24	24.30327
486	24.62143777	26	24.62144	1.378562	0.629197	24.30781	24	24.30781
487	33.99473509	36	33.99474	2.005265	0.915234	24.31213	24	24.31213
488	41.63606613	42	41.63607	0.363934	0.166105	24.31243	24	24.31243
489	23.24718756	23	23.24719	-0.24719	-0.11282	24.3311	24	24.3311
490	34.69216005	36	34.69216	1.30784	0.596919	24.33686	24	24.33686
491	18.59405893	18	18.59406	-0.59406	-0.27114	24.3468	24	24.3468
492	34.71296026	36	34.71296	1.28704	0.587425	24.35514	24	24.35514
493	20.59858022	20	20.59858	-0.59858	-0.2732	24.36097	24	24.36097
494	20.94317176	22	20.94317	1.056828	0.482353	24.36526	24	24.36526
495	31.50111675	34	31.50112	2.498883	1.140529	24.38351	24	24.38351
496	30.98855364	32	30.98855	1.011446	0.46164	24.38465	24	24.38465
497	25.82956653	28	25.82957	2.170433	0.99062	24.38487	24	24.38487
498	21.12331553	20	21.12332	-1.12332	-0.5127	24.38839	24	24.38839
499	18.38359222	19	18.38359	0.616408	0.281338	24.39017	24	24.39017
500	26.42457549	28	26.42458	1.575425	0.719048	24.39883	24	24.39883
501	17.49331706	18	17.49332	0.506683	0.231258	24.40182	26	24.40182
502	18.14968381	19	18.14968	0.850316	0.388098	24.44455	24	24.44455
503	15.75311801	17	15.75312	1.246882	0.569096	24.44679	26	24.44679
504	22.57705075	24	22.57705	1.422949	0.649456	24.45841	26	24.45841
505	24.83961594	25	24.83962	0.160384	0.073202	24.4706	25	24.4706
506	18.87383562	18	18.87384	-0.87384	-0.39883	24.48005	26	24.48005
507	19.37116546	20	19.37117	0.628835	0.28701	24.5052	26	24.5052
508	21.49845525	22	21.49846	0.501545	0.228913	24.53796	25	24.53796
509	22.69379441	22	22.69379	-0.69379	-0.31666	24.62144	26	24.62144
510	18.2108164	17	18.21082	-1.21082	-0.55264	24.83962	25	24.83962
511	17.17741171	16	17.17741	-1.17741	-0.53739	24.87736	26	24.87736
512	21.02868795	20	21.02869	-1.02869	-0.46951	24.88132	26	24.88132
513	17.5317921	16	17.53179	-1.53179	-0.69913	24.8866	26	24.8866
514	15.56939594	15	15.5694	-0.5694	-0.25988	24.90333	26	24.90333
515	17.36433223	15	17.36433	-2.36433	-1.07912	24.9174	25	24.9174
516	18.10848857	16	18.10849	-2.10849	-0.96235	24.92896	26	24.92896
517	81.05051437	69	81.05051	-12.0505	-5.50004	24.93784	26	24.93784

518	25.72027274	26	25.72027	0.279727	0.127672	24.96635	25	24.96635
519	27.38207128	28	27.38207	0.617929	0.282032	25.026	28	25.026
520	19.60259481	18	19.60259	-1.60259	-0.73145	25.04902	25	25.04902
521	26.89290005	28	26.8929	1.1071	0.505298	25.05132	26	25.05132
522	16.21900515	16	16.21901	-0.21901	-0.09996	25.07177	25	25.07177
523	25.89749081	26	25.89749	0.102509	0.046787	25.09975	25	25.09975
524	21.32319287	20	21.32319	-1.32319	-0.60393	25.25294	26	25.25294
525	25.90986434	26	25.90986	0.090136	0.041139	25.26552	26	25.26552
526	21.42200888	20	21.42201	-1.42201	-0.64903	25.26979	26	25.26979
527	22.80749173	22	22.80749	-0.80749	-0.36855	25.30482	26	25.30482
528	22.32521166	21	22.32521	-1.32521	-0.60485	25.33555	26	25.33555
529	23.83755758	24	23.83756	0.162442	0.074141	25.34842	26	25.34842
530	20.87710972	22	20.87711	1.12289	0.512505	25.36951	26	25.36951
531	24.16442842	24	24.16443	-0.16443	-0.07505	25.39855	28	25.39855
532	36.3718671	38	36.37187	1.628133	0.743105	25.45647	26	25.45647
533	24.31243405	24	24.31243	-0.31243	-0.1426	25.46682	26	25.46682
534	24.31213212	24	24.31213	-0.31213	-0.14246	25.47793	26	25.47793
535	24.11964912	24	24.11965	-0.11965	-0.05461	25.51657	26	25.51657
536	23.06826655	22	23.06827	-1.06827	-0.48757	25.52225	26	25.52225
537	21.28726321	18	21.28726	-3.28726	-1.50036	25.52384	28	25.52384
538	26.09456454	27	26.09456	0.905435	0.413255	25.52644	26	25.52644
539	21.46807558	20	21.46808	-1.46808	-0.67005	25.55805	26	25.55805
540	21.84301732	20	21.84302	-1.84302	-0.84118	25.56244	26	25.56244
541	21.73333787	20	21.73334	-1.73334	-0.79112	25.56689	26	25.56689
542	25.55805474	26	25.55805	0.441945	0.201711	25.61753	26	25.61753
543	20.96870684	20	20.96871	-0.96871	-0.44213	25.61861	26	25.61861
544	28.05969212	30	28.05969	1.940308	0.885587	25.64676	26	25.64676
545	84.70938635	69	84.70939	-15.7094	-7.17001	25.65179	26	25.65179
546	47.23057668	47	47.23058	-0.23058	-0.10524	25.6628	26	25.6628
547	42.89000014	44	42.89	1.11	0.506621	25.67405	26	25.67405
548	29.09097643	31	29.09098	1.909024	0.871308	25.71569	28	25.71569
549	41.48490464	42	41.4849	0.515095	0.235098	25.71865	26	25.71865
550	20.11219335	18	20.11219	-2.11219	-0.96404	25.72027	26	25.72027
551	22.28811791	22	22.28812	-0.28812	-0.1315	25.73457	26	25.73457
552	27.00869815	28	27.0087	0.991302	0.452446	25.74096	26	25.74096
553	18.02857774	16	18.02858	-2.02858	-0.92587	25.74221	26	25.74221
554	25.56689208	26	25.56689	0.433108	0.197677	25.74983	26	25.74983
555	29.12449373	31	29.12449	1.875506	0.85601	25.77808	26	25.77808
556	24.36097313	24	24.36097	-0.36097	-0.16475	25.80761	26	25.80761
557	21.34790736	20	21.34791	-1.34791	-0.61521	25.81556	26	25.81556
558	20.05074583	18	20.05075	-2.05075	-0.93599	25.82106	26	25.82106
559	24.068163	26	24.06816	1.931837	0.881721	25.82957	28	25.82957
560	15.86827296	13	15.86827	-2.86827	-1.30912	25.83364	26	25.83364
561	22.45189629	22	22.4519	-0.4519	-0.20625	25.84971	26	25.84971
562	25.36951472	26	25.36951	0.630485	0.287763	25.86571	27	25.86571
563	18.73025008	16	18.73025	-2.73025	-1.24613	25.89749	26	25.89749
564	24.13614327	24	24.13614	-0.13614	-0.06214	25.90986	26	25.90986
565	18.60927673	15	18.60928	-3.60928	-1.64733	25.91796	28	25.91796
566	21.12469352	20	21.12469	-1.12469	-0.51333	25.93285	30	25.93285
567	18.45374365	18	18.45374	-0.45374	-0.2071	25.98824	30	25.98824
568	24.07984817	24	24.07985	-0.07985	-0.03644	26.01285	25	26.01285
569	21.5235086	20	21.52351	-1.52351	-0.69535	26.05126	30	26.05126
570	20.02773837	20	20.02774	-0.02774	-0.01266	26.06709	28	26.06709
571	21.36634503	20	21.36635	-1.36635	-0.62362	26.08892	28	26.08892
572	21.02298128	20	21.02298	-1.02298	-0.4669	26.09456	27	26.09456
573	19.92138084	18	19.92138	-1.92138	-0.87695	26.10657	28	26.10657
574	36.68440593	39	36.68441	2.315594	1.056873	26.24503	28	26.24503
575	19.24675593	18	19.24676	-1.24676	-0.56904	26.2996	27	26.2996
576	24.38464608	24	24.38465	-0.38465	-0.17556	26.42101	27	26.42101

577	19.04324024	18	19.04324	-1.04324	-0.47615	26.42458	28	26.42458
578	25.83363693	26	25.83364	0.166363	0.075931	26.45248	27	26.45248
579	17.56580255	16	17.5658	-1.5658	-0.71466	26.48493	28	26.48493
580	17.55309034	15	17.55309	-2.55309	-1.16527	26.50673	28	26.50673
581	17.44687302	15	17.44687	-2.44687	-1.11679	26.56044	30	26.56044
582	24.0610466	24	24.06105	-0.06105	-0.02786	26.57004	28	26.57004
583	19.15403552	18	19.15404	-1.15404	-0.52672	26.59239	28	26.59239
584	19.54873954	18	19.54874	-1.54874	-0.70687	26.6244	28	26.6244
585	18.87566156	16	18.87566	-2.87566	-1.3125	26.63667	30	26.63667
586	36.94971313	38	36.94971	1.050287	0.479367	26.63926	28	26.63926
587	16.52691763	14	16.52692	-2.52692	-1.15332	26.74677	28	26.74677
588	17.58275752	15	17.58276	-2.58276	-1.17881	26.74939	28	26.74939
589	22.69127463	22	22.69127	-0.69127	-0.31551	26.81506	28	26.81506
590	25.82106146	26	25.82106	0.178939	0.08167	26.835	28	26.835
591	18.79259513	17	18.7926	-1.7926	-0.81817	26.83531	28	26.83531
592	24.13210039	24	24.1321	-0.1321	-0.06029	26.84637	28	26.84637
593	22.85515009	22	22.85515	-0.85515	-0.3903	26.8929	28	26.8929
594	20.48006273	18	20.48006	-2.48006	-1.13194	26.90693	28	26.90693
595	33.70169268	36	33.70169	2.298307	1.048983	26.92433	28	26.92433
596	28.72816884	30	28.72817	1.271831	0.580484	26.92756	28	26.92756
597	21.34493076	20	21.34493	-1.34493	-0.61385	26.93211	28	26.93211
598	18.47296866	16	18.47297	-2.47297	-1.1287	26.93867	28	26.93867
599	25.52383765	28	25.52384	2.476162	1.130159	26.97244	28	26.97244
600	23.80834939	26	23.80835	2.191651	1.000304	26.99556	30	26.99556
601	21.93168218	24	21.93168	2.068318	0.944013	27.0087	28	27.0087
602	22.5739275	24	22.57393	1.426073	0.650882	27.02156	30	27.02156
603	17.72865374	16	17.72865	-1.72865	-0.78898	27.05351	28	27.05351
604	22.58300256	24	22.583	1.416997	0.64674	27.08545	28	27.08545
605	51.42714972	52	51.42715	0.57285	0.261458	27.11659	28	27.11659
606	42.2328066	43	42.23281	0.767193	0.350159	27.133	28	27.133
607	27.55389693	28	27.5539	0.446103	0.203608	27.15842	28	27.15842
608	22.06953028	21	22.06953	-1.06953	-0.48815	27.16815	28	27.16815
609	23.90664581	24	23.90665	0.093354	0.042608	27.1806	28	27.1806
610	22.02372941	22	22.02373	-0.02373	-0.01083	27.19297	28	27.19297
611	24.18279476	24	24.18279	-0.18279	-0.08343	27.22859	28	27.22859
612	20.74622402	22	20.74622	1.253776	0.572243	27.24257	28	27.24257
613	20.73673524	22	20.73674	1.263265	0.576574	27.24542	28	27.24542
614	21.50893165	22	21.50893	0.491068	0.224131	27.27038	28	27.27038
615	21.53748799	22	21.53749	0.462512	0.211098	27.2931	28	27.2931
616	22.06337393	22	22.06337	-0.06337	-0.02892	27.30532	28	27.30532
617	23.78439095	26	23.78439	2.215609	1.011239	27.3211	28	27.3211
618	20.2236754	22	20.22368	1.776325	0.810742	27.35521	28	27.35521
619	20.4741335	20	20.47413	-0.47413	-0.2164	27.38207	28	27.38207
620	59.60458982	55	59.60459	-4.60459	-2.10161	27.39515	30	27.39515
621	30.40130694	32	30.40131	1.598693	0.729668	27.5539	28	27.5539
622	32.44594427	34	32.44594	1.554056	0.709295	27.6683	30	27.6683
623	45.07173301	46	45.07173	0.928267	0.423676	27.75889	30	27.75889
624	30.20306744	32	30.20307	1.796933	0.820148	27.76946	30	27.76946
625	24.88660341	26	24.8866	1.113397	0.508172	27.77517	30	27.77517
626	22.12367637	22	22.12368	-0.12368	-0.05645	27.7799	30	27.7799
627	22.61050531	25	22.61051	2.389495	1.090603	27.78751	30	27.78751
628	17.88418652	16	17.88419	-1.88419	-0.85997	27.80715	30	27.80715
629	17.28642049	14	17.28642	-3.28642	-1.49997	27.83558	30	27.83558
630	30.22934444	32	30.22934	1.770656	0.808155	28.00632	29	28.00632
631	28.68759582	30	28.6876	1.312404	0.599002	28.04505	30	28.04505
632	19.73459009	20	19.73459	0.26541	0.121137	28.05969	30	28.05969
633	18.55034179	20	18.55034	1.449658	0.661647	28.14564	30	28.14564
634	32.11821539	34	32.11822	1.881785	0.858876	28.14897	30	28.14897
635	26.92755979	28	26.92756	1.07244	0.489478	28.14911	30	28.14911

636	31.5907472	34	31.59075	2.409253	1.099621	28.16043	30	28.16043
637	24.27310696	26	24.27311	1.726893	0.788181	28.16432	30	28.16432
638	26.45247773	27	26.45248	0.547522	0.249898	28.27841	30	28.27841
639	21.56247574	20	21.56248	-1.56248	-0.71314	28.29895	30	28.29895
640	30.29145438	32	30.29145	1.708546	0.779807	28.38922	30	28.38922
641	22.6103352	22	22.61034	-0.61034	-0.27857	28.43433	30	28.43433
642	20.68056521	20	20.68057	-0.68057	-0.31062	28.4373	30	28.4373
643	19.62429346	18	19.62429	-1.62429	-0.74135	28.5189	30	28.5189
644	19.96185095	26	19.96185	6.038149	2.755905	28.58477	30	28.58477
645	31.89301589	34	31.89302	2.106984	0.96166	28.65611	30	28.65611
646	23.85580341	24	23.8558	0.144197	0.065814	28.6876	30	28.6876
647	32.97605003	34	32.97605	1.02395	0.467347	28.72726	30	28.72726
648	22.82957451	22	22.82957	-0.82957	-0.37863	28.72817	30	28.72817
649	19.25492953	17	19.25493	-2.25493	-1.02919	28.76003	30	28.76003
650	26.90692919	28	26.90693	1.093071	0.498895	28.79969	32	28.79969
651	22.06110192	22	22.0611	-0.0611	-0.02789	28.88771	30	28.88771
652	19.86814694	20	19.86815	0.131853	0.06018	28.94069	30	28.94069
653	20.89302929	20	20.89303	-0.89303	-0.40759	28.94263	30	28.94263
654	20.59807935	24	20.59808	3.401921	1.55269	28.99757	31	28.99757
655	37.6969977	40	37.697	2.303002	1.051126	29.00247	30	29.00247
656	29.07344353	30	29.07344	0.926556	0.422895	29.04397	30	29.04397
657	22.70426435	22	22.70426	-0.70426	-0.32144	29.07344	30	29.07344
658	17.96420534	16	17.96421	-1.96421	-0.89649	29.09098	31	29.09098
659	24.21135974	24	24.21136	-0.21136	-0.09647	29.12449	31	29.12449
660	22.6002647	22	22.60026	-0.60026	-0.27397	29.12707	30	29.12707
661	19.30373553	18	19.30374	-1.30374	-0.59505	29.17548	30	29.17548
662	25.47793273	26	25.47793	0.522067	0.23828	29.19118	30	29.19118
663	42.9241839	45	42.92418	2.075816	0.947435	29.1998	32	29.1998
664	32.47409849	34	32.4741	1.525902	0.696445	29.23576	30	29.23576
665	26.63925541	28	26.63926	1.360745	0.621065	29.2446	31	29.2446
666	20.41260443	19	20.4126	-1.4126	-0.64473	29.41933	32	29.41933
667	25.80760876	26	25.80761	0.192391	0.08781	29.55209	32	29.55209
668	28.14896926	30	28.14897	1.851031	0.844839	29.86308	32	29.86308
669	23.57538376	25	23.57538	1.424616	0.650217	29.87015	34	29.87015
670	26.62440125	28	26.6244	1.375599	0.627845	29.96021	34	29.96021
671	21.09831457	21	21.09831	-0.09831	-0.04487	30.11788	32	30.11788
672	22.54421104	24	22.54421	1.455789	0.664445	30.20307	32	30.20307
673	19.63901271	18	19.63901	-1.63901	-0.74807	30.22934	32	30.22934
674	31.4990208	34	31.49902	2.500979	1.141486	30.25637	32	30.25637
675	16.64206046	14	16.64206	-2.64206	-1.20588	30.29145	32	30.29145
676	15.77024522	14	15.77025	-1.77025	-0.80797	30.33118	32	30.33118
677	14.46878015	14	14.46878	-0.46878	-0.21396	30.40131	32	30.40131
678	17.48943399	16	17.48943	-1.48943	-0.6798	30.40972	34	30.40972
679	18.06759387	16	18.06759	-2.06759	-0.94368	30.44912	32	30.44912
680	14.4512785	14	14.45128	-0.45128	-0.20597	30.51458	33	30.51458
681	21.85971199	21	21.85971	-0.85971	-0.39239	30.5247	34	30.5247
682	20.91190344	22	20.9119	1.088097	0.496624	30.53368	34	30.53368
683	19.08615314	22	19.08615	2.913847	1.329925	30.53705	30	30.53705
684	20.58331482	22	20.58331	1.416685	0.646597	30.70231	34	30.70231
685	72.36834762	61	72.36835	-11.3683	-5.18869	30.72303	32	30.72303
686	70.1572001	62	70.1572	-8.1572	-3.72307	30.97176	32	30.97176
687	36.44309495	38	36.44309	1.556905	0.710596	30.98855	32	30.98855
688	25.73456509	26	25.73457	0.265435	0.121149	31.08303	34	31.08303
689	20.78854226	19	20.78854	-1.78854	-0.81632	31.29103	34	31.29103
690	27.35521385	28	27.35521	0.644786	0.29429	31.49798	32	31.49798
691	21.33771122	20	21.33771	-1.33771	-0.61055	31.49902	34	31.49902
692	24.24977047	24	24.24977	-0.24977	-0.114	31.50112	34	31.50112
693	21.56478613	20	21.56479	-1.56479	-0.71419	31.54115	34	31.54115
694	20.7318084	19	20.73181	-1.73181	-0.79042	31.59075	34	31.59075

695	21.90864793	22	21.90865	0.091352	0.041695	31.60795	34	31.60795
696	27.76946184	30	27.76946	2.230538	1.018052	31.65356	32	31.65356
697	19.28834053	17	19.28834	-2.28834	-1.04443	31.68575	34	31.68575
698	22.23257653	21	22.23258	-1.23258	-0.56257	31.84516	34	31.84516
699	18.21162805	17	18.21163	-1.21163	-0.55301	31.86538	34	31.86538
700	20.52418834	19	20.52419	-1.52419	-0.69566	31.89302	34	31.89302
701	19.87336989	18	19.87337	-1.87337	-0.85504	31.91726	34	31.91726
702	22.71641133	22	22.71641	-0.71641	-0.32698	31.92143	32	31.92143
703	20.7418131	20	20.74181	-0.74181	-0.33858	31.96145	34	31.96145
704	21.02431283	20	21.02431	-1.02431	-0.46751	32.03699	34	32.03699
705	21.20617256	20	21.20617	-1.20617	-0.55052	32.10739	36	32.10739
706	19.82221778	18	19.82222	-1.82222	-0.83169	32.11822	34	32.11822
707	24.33109886	24	24.3311	-0.3311	-0.15112	32.44035	36	32.44035
708	20.87603348	19	20.87603	-1.87603	-0.85625	32.44594	34	32.44594
709	21.51638017	20	21.51638	-1.51638	-0.6921	32.4741	34	32.4741
710	18.59785179	16	18.59785	-2.59785	-1.1857	32.49189	36	32.49189
711	19.45057778	20	19.45058	0.549422	0.250765	32.77901	36	32.77901
712	20.37603714	19	20.37604	-1.37604	-0.62804	32.90754	34	32.90754
713	36.76137019	38	36.76137	1.23863	0.56533	32.97605	34	32.97605
714	31.86538229	34	31.86538	2.134618	0.974273	33.14499	36	33.14499
715	18.49465655	16	18.49466	-2.49466	-1.1386	33.3951	36	33.3951
716	23.98108505	24	23.98109	0.018915	0.008633	33.64385	36	33.64385
717	22.91930669	22	22.91931	-0.91931	-0.41959	33.70169	36	33.70169
718	24.45841157	26	24.45841	1.541588	0.703605	33.77122	34	33.77122
719	16.60434838	16	16.60435	-0.60435	-0.27583	33.78328	34	33.78328
720	22.23395592	22	22.23396	-0.23396	-0.10678	33.80336	34	33.80336
721	18.67945185	18	18.67945	-0.67945	-0.31011	33.98573	36	33.98573
722	20.89828262	24	20.89828	3.101717	1.415672	33.99474	36	33.99474
723	37.7524506	40	37.75245	2.247549	1.025817	34.00235	36	34.00235
724	34.44140867	36	34.44141	1.558591	0.711365	34.23267	36	34.23267
725	21.84162004	21	21.84162	-0.84162	-0.38413	34.31035	36	34.31035
726	31.29103344	34	31.29103	2.708967	1.236415	34.44141	36	34.44141
727	25.07177187	25	25.07177	-0.07177	-0.03276	34.69216	36	34.69216
728	21.3473818	23	21.34738	1.652618	0.754281	34.71296	36	34.71296
729	18.20808812	19	18.20809	0.791912	0.361441	35.08889	36	35.08889
730	20.64577525	22	20.64578	1.354225	0.618089	35.15116	36	35.15116
731	19.34625007	20	19.34625	0.65375	0.298382	35.19878	35	35.19878
732	21.76197788	22	21.76198	0.238022	0.108637	35.24516	36	35.24516
733	19.64828976	20	19.64829	0.35171	0.160526	35.25045	38	35.25045
734	23.9326682	26	23.93267	2.067332	0.943562	35.61286	40	35.61286
735	23.45260439	24	23.4526	0.547396	0.24984	36.33818	40	36.33818
736	31.60795034	34	31.60795	2.39205	1.091769	36.37187	38	36.37187
737	19.58658356	18	19.58658	-1.58658	-0.72414	36.44309	38	36.44309
738	22.69114042	22	22.69114	-0.69114	-0.31545	36.68441	39	36.68441
739	18.02597758	16	18.02598	-2.02598	-0.92469	36.76137	38	36.76137
740	25.25293839	26	25.25294	0.747062	0.340971	36.88216	39	36.88216
741	26.63667284	30	26.63667	3.363327	1.535075	36.94164	38	36.94164
742	27.77516641	30	27.77517	2.224834	1.015449	36.94971	38	36.94971
743	22.91814651	23	22.91815	0.081853	0.037359	37.27793	38	37.27793
744	19.83344977	18	19.83345	-1.83345	-0.83682	37.34339	38	37.34339
745	20.20387839	22	20.20388	1.796122	0.819778	37.65825	40	37.65825
746	24.93784457	26	24.93784	1.062155	0.484784	37.697	40	37.697
747	18.90958097	22	18.90958	3.090419	1.410515	37.75245	40	37.75245
748	22.28654185	21	22.28654	-1.28654	-0.5872	37.78227	40	37.78227
749	45.19486349	46	45.19486	0.805137	0.367477	38.22414	39	38.22414
750	24.96635417	25	24.96635	0.033646	0.015356	38.54958	40	38.54958
751	26.92432734	28	26.92433	1.075673	0.490954	38.60553	40	38.60553
752	24.25576498	24	24.25576	-0.25576	-0.11674	38.65835	40	38.65835
753	27.78751246	30	27.78751	2.212488	1.009814	38.74624	40	38.74624

754	22.2776181	23	22.27762	0.722382	0.329706	38.81431	40	38.81431
755	16.08663471	14	16.08663	-2.08663	-0.95237	39.48525	42	39.48525
756	18.74508101	22	18.74508	3.254919	1.485596	39.80635	41	39.80635
757	18.1378637	20	18.13786	1.862136	0.849908	39.91746	42	39.91746
758	19.89188305	20	19.89188	0.108117	0.049346	40.01005	44	40.01005
759	24.9033319	26	24.90333	1.096668	0.500536	40.06896	41	40.06896
760	22.25334548	24	22.25335	1.746655	0.7972	40.94824	42	40.94824
761	21.08517881	22	21.08518	0.914821	0.417539	41.00563	41	41.00563
762	20.27376325	22	20.27376	1.726237	0.787881	41.18703	44	41.18703
763	44.04984759	46	44.04985	1.950152	0.89008	41.29244	45	41.29244
764	31.08302816	34	31.08303	2.916972	1.331351	41.4849	42	41.4849
765	28.00632469	29	28.00632	0.993675	0.453529	41.63607	42	41.63607
766	26.05125802	30	26.05126	3.948742	1.802267	41.77611	46	41.77611
767	22.28473439	22	22.28473	-0.28473	-0.12996	42.09614	44	42.09614
768	22.93784425	22	22.93784	-0.93784	-0.42805	42.23281	43	42.23281
769	16.48521004	17	16.48521	0.51479	0.234958	42.89	44	42.89
770	19.33708988	18	19.33709	-1.33709	-0.61027	42.92418	45	42.92418
771	16.71154247	15	16.71154	-1.71154	-0.78117	43.33738	46	43.33738
772	50.38760797	50	50.38761	-0.38761	-0.17691	43.58252	44	43.58252
773	30.52470302	34	30.5247	3.475297	1.58618	44.04985	46	44.04985
774	28.16043249	30	28.16043	1.839568	0.839607	45.07173	46	45.07173
775	22.90416597	24	22.90417	1.095834	0.500156	45.19462	50	45.19462
776	17.24170224	16	17.2417	-1.2417	-0.56673	45.19486	46	45.19486
777	19.13171438	18	19.13171	-1.13171	-0.51653	45.24393	46	45.24393
778	17.34885827	16	17.34886	-1.34886	-0.61564	45.48558	48	45.48558
779	21.8280341	22	21.82803	0.171966	0.078488	45.63333	47	45.63333
780	24.08378866	26	24.08379	1.916211	0.874589	46.66451	50	46.66451
781	19.36322768	22	19.36323	2.636772	1.203464	46.77821	50	46.77821
782	22.23229158	26	22.23229	3.767708	1.719641	47.23058	47	47.23058
783	30.40971709	34	30.40972	3.590283	1.638661	47.45347	49	47.45347
784	14.40807032	16	14.40807	1.59193	0.726582	47.46872	50	47.46872
785	14.72835841	16	14.72836	1.271642	0.580397	50.38761	50	50.38761
786	22.42841924	22	22.42842	-0.42842	-0.19554	51.42715	52	51.42715
787	21.47632276	22	21.47632	0.523677	0.239014	52.14273	53	52.14273
788	20.84510268	24	20.8451	3.154897	1.439944	54.35191	54	54.35191
789	21.3289771	22	21.32898	0.671023	0.306265	54.5603	52	54.5603
790	26.56044251	30	26.56044	3.439557	1.569868	54.6046	56	54.6046
791	38.5495811	40	38.54958	1.450419	0.661994	55.07881	75	55.07881
792	22.38551719	22	22.38552	-0.38552	-0.17596	59.37884	55	59.37884
793	28.72726269	30	28.72726	1.272737	0.580897	59.60459	55	59.60459
794	27.08544598	28	27.08545	0.914554	0.417417	59.74661	60	59.74661
795	29.04397115	30	29.04397	0.956029	0.436346	63.84004	60	63.84004
796	25.86571345	27	25.86571	1.134287	0.517706	70.1572	62	70.1572
797	23.97404514	24	23.97405	0.025955	0.011846	72.36835	61	72.36835
798	23.60460201	24	23.6046	0.395398	0.180466	75.03611	68	75.03611
799	30.70231144	34	30.70231	3.297689	1.505117	81.05051	69	81.05051
800	24.50520145	26	24.5052	1.494799	0.682249	84.70939	69	84.70939
801	20.90361237	20	20.90361	-0.90361	-0.41242	91.48561	86	91.48561
						103.102	86	103.102