

# **MANITOBA HYDRO - AVERAGE SYSTEM LOSS FACTOR STUDY**

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## **SUMMARY:**

Manitoba Hydro calculates the transmission Real Power Loss Factor using the Average System Loss Factor (ASLF) calculation in accordance with the Midwest ISO Loss System User Manual. The latest version of the loss study was completed on March 4, 2005 and re-affirmed in August 2007.

## **Average System Loss Factor (ASLF) Calculation**

The Average System Loss Factor (ASLF) calculation is defined below:

$$\% \text{Loss} = \frac{100 \times (\text{load losses} + \text{no load losses})}{(\text{transmission area load} + \text{exports})}$$

## **Load losses**

These are losses incurred by current flowing through conductors and transformers on the transmission system. Only losses on transmission elements, those involved in providing transmission service, are included in this calculation. For the Manitoba Hydro result, load losses exclude dc losses, Winnipeg 63.5 kV network load losses, and Northern 138 kV radial lines losses. All other transmission system losses are included in the ASLF calculation. Generation Step-Up (GSU) losses are not considered transmission load losses.

Load losses are determined from the common power flow model for six loading conditions: Summer 100% peak load, Summer 75% peak load, Summer 50% peak load, Winter 100% peak load, Winter 75% peak load, and Winter 50% peak load.

## **No load losses**

These losses are incurred as a result of the energization of electrical equipment such as transformers and high voltage wires, and include transformer core losses, corona and insulator losses. These losses are not represented in the power flow models used in this analysis. Rather, the transformer core losses are tabulated separately from transformer test sheets (there is a better way of saying this but it's not coming to

me at the moment) and corona and insulator losses are obtained from the "Transmission Line Reference Book – 345 kV and Above (second edition)" published by the Electric Power Research Institute in 1987. No-load losses associated with GSU transformers were not included.

### **Transmission area load**

For Manitoba Hydro, this represents the electrical load served by the transmission system to customers (wholesale and retail) within the company's control area. The values for each control area are calculated using values for area generation, scheduled area imports, GSU load losses and area non-transmission load included in the power flow models. This calculation assumes that all scheduled power imports are required to serve control area load.

### **Exports**

For Manitoba Hydro, this represents energy being exported to areas outside of the company's control area, from energy sources within the company's control area.

### **ASLF Study Procedure**

The process begins by developing 100% summer and winter cases and obtaining a list of firm transactions. Four additional copies are made from these cases and named as 75S, 50S, 75W, and 50W for 75% and 50% of summer and winter peak cases. A loss spreadsheet which has inbuilt functions to implement loss factor equation, is used to calculate the loss factor. Manitoba Hydro loads these cases into PSS/E to get desired inputs for the loss spreadsheet.

The annual load duration, for all 8760 hours in the year, is included in the spreadsheet. Hours 1 to 2880 and hours 7297 to 8760 are considered winter load. Hours 2881 to 7296 are considered summer load. Discrete loss factors for each loading case are calculated using the equation defined above.

The terms in this equation are further defined as follows:

Transmission load = generation – net interchange – transmission zone load losses – non-transmission load

No load losses = transformer no load - auxiliary power - synchronous condenser losses - corona and insulator losses

Now it is easy to obtain 6 loss factors, for three different loadings in summer and winter. These six loss factors reasonably represent the variation of losses with load for both summer and winter for the Manitoba Hydro system. From hourly load duration data, percentage load losses for each hour are estimated assuming load as piece-wise linear functions of losses between 50% and 75% and between 75% and 100% losses. These hourly loss factors for each season are then averaged by using simple arithmetic mean to obtain a summer and a winter average loss factor. Finally, average system loss factor (ASLF) is obtained by taking weighted average of summer and winter average loss factors, as the numbers of hours for each season are different.

MISO Loss Study Loss Calculation Spreadsheet

utility: Manitoba Hydro

date edited: March 4, 2005

**Summer Cases**

	100% of Peak	75% of Peak	50% of Peak
Transmission Zone Load-Losses (MW)	106.5	88.7	55.8
Transformer No-Load, Aux. Power, Synch. Cond. Losses (MW)	8.1	8.1	8.1
Corona and Insulator Losses (MW)	0.8	0.8	0.8
<b>Company Total Transmission Losses (MW) [numerator]</b>	<b>115.4</b>	<b>97.6</b>	<b>64.7</b>

**Winter Cases**

	100% of Peak	75% of Peak	50% of Peak
Transmission Zone Load-Losses (MW)	130.1	113.5	71.3
Transformer No-Load, Aux. Power, Synch. Cond. Losses (MW)	8.1	8.1	8.1
Corona and Insulator Losses (MW)	0.8	0.8	0.8
<b>Company Total Transmission Losses (MW) [numerator]</b>	<b>138.9</b>	<b>122.4</b>	<b>80.2</b>

Transmission Zone Load-Losses (MW)  
 Transformer No-Load, Aux. Power, Synch. Cond. Losses (MW)  
 Corona and Insulator Losses (MW)  
**Company Total Transmission Losses (MW) [numerator]**

	100% of Peak	75% of Peak	50% of Peak
Generation (MW)	4,947.0	4,177.6	3,378.8
Net Interchange (MW)	1,800.4	1,800.4	1,800.4
GSU Load Losses (MW)	0.0	0.0	0.0
Transmission Zone Load-Losses (MW)	106.5	88.7	55.8
Non-Transmission Load (MW)	0.0	0.0	0.0
<b>Total Company Transmission Load (MW)</b>	<b>3,040.1</b>	<b>2,288.5</b>	<b>1,522.6</b>

	100% of Peak	75% of Peak	50% of Peak
Generation (MW)	5,225.4	4,182.7	3,137.6
Net Interchange (MW)	1,063.3	1,064.1	1,063.7
GSU Load Losses (MW)	0.0	0.0	0.0
Transmission Zone Load-Losses (MW)	130.1	113.5	71.3
Non-Transmission Load (MW)	0.0	0.0	0.0
<b>Total Company Transmission Load (MW)</b>	<b>4,032.0</b>	<b>3,005.1</b>	<b>2,002.6</b>

	100% of Peak	75% of Peak	50% of Peak
Export and Parallel Flow (MW)	1,800.4	1,800.4	1,800.4
<b>Company Total (MW) [denominator]</b>	<b>4,840.5</b>	<b>4,088.9</b>	<b>3,323.0</b>

	100% of Peak	75% of Peak	50% of Peak
Export and Parallel Flow (MW)	1,063.3	1,064.1	1,063.7
<b>Company Total (MW) [denominator]</b>	<b>5,095.3</b>	<b>4,069.2</b>	<b>3,066.3</b>

<b>Discrete Loss Factors</b>	100% of Peak	75% of Peak	50% of Peak
	<b>2.3836%</b>	<b>2.3864%</b>	<b>1.9464%</b>

<b>Discrete Loss Factors</b>	100% of Peak	75% of Peak	50% of Peak
	<b>2.7270%</b>	<b>3.0074%</b>	<b>2.6155%</b>

<b>Seasonal Loss Factors</b>	100% of Peak
	<b>1.7607%</b>
<b># of Hours</b>	<b>4416</b>

<b>Seasonal Loss Factors</b>	100% of Peak
	<b>2.8448%</b>
<b># of Hours</b>	<b>4344</b>

<b>Annual Loss Factor</b>	100% of Peak
	<b>2.2983%</b>

The "Total Company Transmission Load" = "Generation" - "Net Interchange" - "GSU Load Losses" - "Transmission Zone Load-Losses" - "Non-Transmission Load"

The "Discrete Loss Factors" are calculated from the equation:

$$\text{(Company Total Transmission Losses)} / \text{(Total Company Transmission Load + Export and Parallel Flows with T.P. Factors > 3\%)}$$

The "Seasonal Loss Factors" are determined by using a piecewise-linear function of the "Discrete Loss Factors" to calculate hourly loss factors based upon the 1999 annual load profile of each utility.

The "Annual Loss Factor" is calculated by using a weighted average of the two "Seasonal Loss Factors" based upon the number of hours in each season.

MISO Loss Study Loss Calculation Spreadsheet

utility: **Manitoba Hydro**  
 date edited: **March 4, 2005**

**High Voltage Corona and Insulator Losses**

Voltage Level (kV)	Corona and Insulator Losses (kW/mi)	Line Miles (mi)	Total Corona and Insulator Losses (MW)
345	3	0	0.0
500	6	129.72	0.8
765	13	0	0.0
<b>Total:</b>			<b>0.8</b>

Corona and insulator losses per mile (kW/mi) were obtained from Table 7.7.1 on page 327 of the "Transmission Line Reference Book -345kV and Above (second edition)" published by the Electric Power Research Institute in 1987.

**Transmission Transformers No-Load Loss (MW)** **8.1**

**Transmission Transformers Auxiliary Power Use (MW)** **0.0**

**Synchronous Condenser Power Use (MW)** **0.0** (summer) **0.0** (winter)

MISO Loss Study Loss Calculation Spreadsheet

utility: **Manitoba Hydro**  
 date edited: **March 4, 2005**

Area Summer Peak Load (MW) **4000**

Area Winter Peak Load (MW) **2229**

**Summer Loss Factors (%)**

50% of summer peak	1.9464%
75% of summer peak	2.3864%
100% of summer peak	2.3836%

**Winter Loss Factors (%)**

50% of winter peak	2.6155%
75% of winter peak	3.0074%
100% of winter peak	2.7270%

**Summer Average Loss Factor** **1.7607%**

**Winter Average Loss Factor** **2.8448%**

Summer Hourly Loads (MW)			Summer Hourly Calculated Losses (%)			Winter Hourly Loads (MW)			Winter Hourly Calculated Losses (%)		
Hourly Loads (MW)	Calculated Losses (%)	Hours	Hourly Loads (MW)	Calculated Losses (%)	Hours	Hourly Loads (MW)	Calculated Losses (%)	Hours	Hourly Loads (MW)	Calculated Losses (%)	Hours
1000	1.5064%	1	1249	2.7101%	1						
2000	1.9464%	1	1172	2.6559%	1						
2500	2.1664%	1	1182	2.6630%	1						
3000	2.3864%	1	1319	2.7593%	1						
3500	2.3850%	1	1531	2.9084%	1						
4000	2.3836%	1	1502	2.8880%	1						
4500	2.3822%	1	1522	2.9021%	1						
1144	1.5697%	1	1523	2.9028%	1						
991	1.5024%	1	1396	2.8135%	1						
1098	1.5495%	1	1307	2.7509%	1						
1208	1.5979%	1	1418	2.8290%	1						
1240.5	1.6122%	1	1502	2.8880%	1						
1225	1.6054%	1	1469	2.8648%	1						
1222	1.6041%	1	1485	2.8761%	1						
1110	1.5548%	1	1450	2.8515%	1						
1018	1.5143%	1	1308	2.7516%	1						
1141	1.5684%	1	1147	2.6384%	1						
1261	1.6212%	1	1197	2.6735%	1						
1228	1.6067%	1	1390	2.8093%	1						
1254	1.6181%	1	1379	2.8015%	1						
1240	1.6120%	1	1352	2.7825%	1						
1140	1.5680%	1	1386	2.8064%	1						
1012	1.5117%	1	1239	2.7031%	1						
1081.6	1.5423%	1	1144	2.6362%	1						
1245.6	1.6145%	1	1249	2.7101%	1						
1235	1.6098%	1	1427	2.8353%	1						
1234	1.6093%	1	1370	2.7952%	1						
1269	1.6247%	1	1350	2.7811%	1						
1200	1.5944%	1	1353	2.7832%	1						
1115	1.5570%	1	1252	2.7122%	1						
1079	1.5411%	1	1141	2.6341%	1						
1171	1.5816%	1	1204	2.6784%	1						
1251	1.6168%	1	1313	2.7551%	1						
1269	1.6247%	1	1310	2.7530%	1						
1262	1.6217%	1	1322	2.7614%	1						
1189	1.5895%	1	1392	2.8107%	1						
1346	1.6586%	1	1199	2.6749%	1						
1306	1.6410%	1	1098	2.6039%	1						

1464	1.7106%	1	1201	2.6763%	1
1472	1.7141%	1	1300	2.7460%	1
1585	1.7638%	1	1309	2.7523%	1
1458	1.7079%	1	1267	2.7228%	1
1408	1.6859%	1	1350	2.7811%	1
1229	1.6071%	1	1335	2.7706%	1
1228	1.6067%	1	1146.5	2.6380%	1
1276	1.6278%	1	1186	2.6658%	1
1288	1.6331%	1	1282	2.7333%	1
1275	1.6274%	1	1330	2.7671%	1
1276	1.6278%	1	1361	2.7889%	1
1198	1.5935%	1	1350	2.7811%	1
1094	1.5477%	1	1267	2.7228%	1
1228	1.6067%	1	1147	2.6384%	1
1486	1.7202%	1	1245	2.7073%	1
1528	1.7387%	1	1368	2.7938%	1
1468	1.7123%	1	1372	2.7966%	1
1565	1.7550%	1	1361	2.7889%	1
1474	1.7150%	1	1327	2.7650%	1
1379	1.6731%	1	1198	2.6742%	1
1496	1.7246%	1	1064	2.5800%	1
1348	1.6595%	1	1201	2.6763%	1
1320	1.6472%	1	1301	2.7467%	1
1386	1.6762%	1	1306	2.7502%	1
1379	1.6731%	1	1356.230381	2.7855%	1
1320	1.6472%	1	1339.74148	2.7739%	1
1452	1.7053%	1	1285	2.7354%	1
1510	1.7308%	1	1202	2.6770%	1
1614	1.7766%	1	1278	2.7305%	1
1436	1.6982%	1	1367.51	2.7934%	1
1500	1.7264%	1	1337	2.7720%	1
1490	1.7220%	1	1363	2.7903%	1
1275	1.6274%	1	1345	2.7776%	1
1113	1.5561%	1	1246	2.7080%	1
1270	1.6252%	1	1103.135139	2.6075%	1
1442	1.7009%	1	1200	2.6756%	1
1453	1.7057%	1	1274	2.7277%	1
1533	1.7409%	1	1238	2.7024%	1
1747	1.8351%	1	1288	2.7375%	1
1531	1.7400%	1	1261	2.7185%	1
1315	1.6450%	1	1161	2.6482%	1
1401	1.6828%	1	1062	2.5786%	1
1497	1.7251%	1	1177.273083	2.6596%	1
1503	1.7277%	1	1302	2.7474%	1
1673.125307	1.8026%	1	1277	2.7298%	1
1776	1.8478%	1	1299	2.7453%	1
1564	1.7546%	1	1323	2.7621%	1
1573	1.7585%	1	1170	2.6545%	1
1653	1.7937%	1	999	2.5343%	1
1641	1.7884%	1	1124	2.6222%	1
1614.507065	1.7768%	1	1232	2.6981%	1
1660	1.7968%	1	1198	2.6742%	1
1839	1.8756%	1	1208	2.6813%	1
1811	1.8632%	1	1125	2.6229%	1
1344	1.6577%	1	961.5	2.5079%	1

1305	1.6406%	1	920	2.4787%	1
1455	1.7066%	1	1000	2.5350%	1
1478	1.7167%	1	1223	2.6918%	1
1458	1.7079%	1	1268	2.7235%	1
1449	1.7040%	1	1202	2.6770%	1
1372	1.6701%	1	1247.815239	2.7093%	1
1190	1.5900%	1	1179	2.6609%	1
1231	1.6080%	1	1020	2.5490%	1
1339	1.6555%	1	1152	2.6419%	1
1496	1.7246%	1	1236	2.7009%	1
1503	1.7277%	1	1212	2.6841%	1
1522	1.7361%	1	1202	2.6770%	1
1244	1.6137%	1	1228	2.6953%	1
1095	1.5482%	1	1125	2.6229%	1
1261	1.6212%	1	1000	2.5350%	1
1496	1.7246%	1	1096	2.6025%	1
1466	1.7114%	1	1216	2.6869%	1
1373	1.6705%	1	1216	2.6869%	1
1362	1.6657%	1	1240.1	2.7038%	1
1267	1.6239%	1	1282	2.7333%	1
1144	1.5697%	1	1165	2.6510%	1
1239	1.6115%	1	1000	2.5350%	1
1350	1.6604%	1	1097	2.6032%	1
1407	1.6855%	1	1197	2.6735%	1
1437	1.6987%	1	1237	2.7017%	1
1476	1.7158%	1	1216	2.6869%	1
1545	1.7462%	1	1201	2.6763%	1
1321	1.6476%	1	1094	2.6011%	1
1207	1.5975%	1	1240	2.7038%	1
1310	1.6428%	1	1278	2.7305%	1
1362	1.6657%	1	1298.918184	2.7452%	1
1412	1.6877%	1	1233	2.6988%	1
1557	1.7515%	1	1152.02	2.6419%	1
1430.324997	1.6957%	1	1054	2.5729%	1
1279	1.6291%	1	1125	2.6229%	1
1119	1.5587%	1	1231	2.6974%	1
1171	1.5816%	1	1226	2.6939%	1
1375	1.6714%	1	1265	2.7213%	1
1332	1.6525%	1	1259	2.7171%	1
1273	1.6265%	1	1163	2.6496%	1
1201	1.5948%	1	1008	2.5406%	1
1070	1.5372%	1	1148	2.6391%	1
1153	1.5737%	1	1269	2.7242%	1
1276	1.6278%	1	1302	2.7474%	1
1272	1.6261%	1	1298	2.7446%	1
1272	1.6261%	1	1249	2.7101%	1
1279	1.6291%	1	1111	2.6130%	1
1173	1.5825%	1	1058	2.5758%	1
1038	1.5231%	1	1126	2.6236%	1
1117	1.5579%	1	1234	2.6995%	1
1252	1.6173%	1	1264	2.7206%	1
1236	1.6102%	1	1114	2.6151%	1
1260	1.6208%	1	977	2.5188%	1
1269	1.6247%	1	1024	2.5518%	1
1147	1.5711%	1	1068	2.5828%	1

1049	1.5279%	1	1195	2.6721%	1
1189	1.5895%	1	1372	2.7966%	1
1250	1.6164%	1	1372	2.7966%	1
1266	1.6234%	1	1376	2.7994%	1
1251	1.6168%	1	1299	2.7453%	1
1271.837553	1.6260%	1	1193	2.6707%	1
1166	1.5794%	1	1090	2.5983%	1
1060	1.5328%	1	1237	2.7017%	1
1176	1.5838%	1	1385	2.8057%	1
1281	1.6300%	1	1363	2.7903%	1
1282	1.6305%	1	1328	2.7657%	1
1260	1.6208%	1	1343	2.7762%	1
1269	1.6247%	1	1298	2.7446%	1
1148	1.5715%	1	1139	2.6327%	1
1014	1.5125%	1	1246	2.7080%	1
1120	1.5592%	1	1363	2.7903%	1
1251	1.6168%	1	1360	2.7882%	1
1265	1.6230%	1	1366	2.7924%	1
1268	1.6243%	1	1450	2.8515%	1
1270	1.6252%	1	1400	2.8163%	1
1172	1.5821%	1	1257	2.7157%	1
1044	1.5257%	1	1297	2.7439%	1
1168	1.5803%	1	1547	2.9197%	1
1269	1.6247%	1	1539	2.9141%	1
1285	1.6318%	1	1474	2.8683%	1
1280	1.6296%	1	1332	2.7685%	1
1253	1.6177%	1	1210	2.6827%	1
1205	1.5966%	1	1110	2.6123%	1
1101	1.5508%	1	1248	2.7094%	1
1171	1.5816%	1	1371	2.7959%	1
1250	1.6164%	1	1306	2.7502%	1
1270	1.6252%	1	1229	2.6960%	1
1263	1.6221%	1	1177	2.6595%	1
1243	1.6133%	1	1206	2.6798%	1
1141	1.5684%	1	1125	2.6229%	1
1020	1.5152%	1	1138	2.6320%	1
1036	1.5222%	1	1311	2.7537%	1
931	1.4760%	1	1492	2.8810%	1
1047	1.5271%	1	1468	2.8641%	1
1156	1.5750%	1	1502	2.8880%	1
1208	1.5979%	1	1462	2.8599%	1
1180	1.5856%	1	1352	2.7825%	1
1173	1.5825%	1	1271	2.7256%	1
1064	1.5345%	1	1396	2.8135%	1
961	1.4892%	1	1459	2.8578%	1
1063	1.5341%	1	1444	2.8472%	1
1151	1.5728%	1	1445	2.8479%	1
1178.6	1.5850%	1	1391	2.8100%	1
1170	1.5812%	1	1247	2.7087%	1
1172	1.5821%	1	1107	2.6102%	1
1065	1.5350%	1	1195	2.6721%	1
969	1.4927%	1	1340	2.7741%	1
1107	1.5535%	1	1328	2.7657%	1
1211	1.5992%	1	1319	2.7593%	1
1188	1.5891%	1	1336	2.7713%	1

1194	1.5917%	1
1189.6	1.5898%	1
1084	1.5433%	1
976	1.4958%	1
1054	1.5301%	1
1181.6	1.5863%	1
1202	1.5953%	1
1201	1.5948%	1
1204	1.5961%	1
1132	1.5645%	1
1044	1.5257%	1
1036	1.5222%	1
1121.6	1.5599%	1
1203	1.5957%	1
1205	1.5966%	1
1187	1.5887%	1
1129	1.5631%	1
1252	1.6173%	1
1351	1.6608%	1
1377	1.6723%	1
1392	1.6789%	1
1497	1.7251%	1
1386	1.6762%	1
1319	1.6467%	1
1173	1.5825%	1
1187	1.5887%	1
1219	1.6027%	1
1228	1.6067%	1
1231	1.6080%	1
1222	1.6041%	1
1122	1.5601%	1
1042	1.5249%	1
1182	1.5865%	1
1393	1.6793%	1
1453	1.7057%	1
1414	1.6885%	1
1478	1.7167%	1
1383	1.6749%	1
1299	1.6379%	1
1435	1.6978%	1
1285	1.6318%	1
1259	1.6203%	1
1332	1.6525%	1
1264	1.6225%	1
1258	1.6199%	1
1370	1.6692%	1
1401	1.6828%	1
1538	1.7431%	1
1352	1.6613%	1
1395	1.6802%	1
1419	1.6908%	1
1203	1.5957%	1
1050	1.5284%	1
1224	1.6049%	1
1370	1.6692%	1

1192	2.6700%	1
1102	2.6067%	1
1221	2.6904%	1
1388	2.8079%	1
1327	2.7650%	1
1314	2.7558%	1
1309	2.7523%	1
1223	2.6918%	1
1101	2.6060%	1
1175	2.6580%	1
1259	2.7171%	1
1288	2.7375%	1
1273	2.7270%	1
1344	2.7769%	1
1149	2.6398%	1
1065	2.5807%	1
1203	2.6777%	1
1263	2.7199%	1
1255	2.7143%	1
1238	2.7024%	1
1305	2.7495%	1
1274	2.7277%	1
1115.5	2.6162%	1
1161	2.6482%	1
1237	2.7017%	1
1293	2.7410%	1
1307	2.7509%	1
1312	2.7544%	1
1213	2.6848%	1
1116	2.6165%	1
1226	2.6939%	1
1319	2.7593%	1
1309	2.7523%	1
1302	2.7474%	1
1271	2.7256%	1
1149	2.6398%	1
1039	2.5624%	1
1168	2.6531%	1
1246	2.7080%	1
1258	2.7164%	1
1311.022783	2.7537%	1
1293.469651	2.7414%	1
1232.397323	2.6984%	1
1164	2.6503%	1
1256	2.7150%	1
1326	2.7642%	1
1302	2.7474%	1
1326	2.7642%	1
1300	2.7460%	1
1205	2.6791%	1
1081	2.5919%	1
1175	2.6580%	1
1215	2.6862%	1
1208	2.6813%	1
1245	2.7073%	1

1360	1.6648%	1	1251	2.7115%	1
1457	1.7075%	1	1124	2.6222%	1
1649	1.7920%	1	1026	2.5532%	1
1458	1.7079%	1	1165	2.6510%	1
1234	1.6093%	1	1258	2.7164%	1
1345	1.6582%	1	1230	2.6967%	1
1418	1.6903%	1	1262	2.7192%	1
1430	1.6956%	1	1269	2.7242%	1
1583.027348	1.7629%	1	1114	2.6151%	1
1675	1.8034%	1	970	2.5139%	1
1463	1.7101%	1	1113	2.6144%	1
1476	1.7158%	1	1183	2.6637%	1
1569	1.7568%	1	1159	2.6468%	1
1544	1.7458%	1	1162	2.6489%	1
1521	1.7356%	1	1074	2.5870%	1
1589	1.7656%	1	922.5	2.4805%	1
1741	1.8324%	1	900	2.4646%	1
1690	1.8100%	1	972	2.5153%	1
1264	1.6225%	1	1166	2.6517%	1
1235	1.6098%	1	1195	2.6721%	1
1389	1.6775%	1	1158	2.6461%	1
1410	1.6868%	1	1176	2.6587%	1
1377	1.6723%	1	1135	2.6299%	1
1383	1.6749%	1	990	2.5279%	1
1288	1.6331%	1	1097	2.6032%	1
1139	1.5675%	1	1195	2.6721%	1
1187	1.5887%	1	1164	2.6503%	1
1287	1.6327%	1	1149	2.6398%	1
1410	1.6868%	1	1168	2.6531%	1
1433	1.6969%	1	1080	2.5912%	1
1428	1.6947%	1	964	2.5096%	1
1191	1.5904%	1	1064	2.5800%	1
1045	1.5262%	1	1164	2.6503%	1
1225	1.6054%	1	1187.3	2.6667%	1
1421	1.6916%	1	1192.535244	2.6704%	1
1390	1.6780%	1	1223	2.6918%	1
1323	1.6485%	1	1111	2.6130%	1
1294	1.6357%	1	961	2.5075%	1
1191	1.5904%	1	1068.96	2.5835%	1
1098	1.5495%	1	1154	2.6433%	1
1201	1.5948%	1	1182	2.6630%	1
1294	1.6357%	1	1162	2.6489%	1
1345	1.6582%	1	1153	2.6426%	1
1355	1.6626%	1	1082	2.5926%	1
1399	1.6819%	1	1202	2.6770%	1
1442	1.7009%	1	1249	2.7101%	1
1234	1.6093%	1	1252	2.7122%	1
1173	1.5825%	1	1200	2.6756%	1
1260	1.6208%	1	1122	2.6208%	1
1293	1.6353%	1	1022	2.5504%	1
1357	1.6635%	1	1100	2.6053%	1
1474	1.7150%	1	1176	2.6587%	1
1343.28183	1.6574%	1	1183	2.6637%	1
1202	1.5953%	1	1208	2.6813%	1
1059	1.5323%	1	1226	2.6939%	1

1143	1.5693%	1
1327	1.6503%	1
1275	1.6274%	1
1224	1.6049%	1
1140	1.5680%	1
1035	1.5218%	1
1129	1.5631%	1
1215	1.6010%	1
1227	1.6063%	1
1222	1.6041%	1
1223	1.6045%	1
1129	1.5631%	1
1001	1.5068%	1
1086	1.5442%	1
1196	1.5926%	1
1202	1.5953%	1
1224	1.6049%	1
1223	1.6045%	1
1098	1.5495%	1
992	1.5029%	1
1139	1.5675%	1
1241.3	1.6126%	1
1221	1.6036%	1
1201.3	1.5950%	1
1207.532043	1.5977%	1
1119	1.5587%	1
1035	1.5218%	1
1142	1.5689%	1
1238	1.6111%	1
1217	1.6019%	1
1220	1.6032%	1
1230	1.6076%	1
1103	1.5517%	1
978	1.4967%	1
1100	1.5504%	1
1204	1.5961%	1
1214	1.6005%	1
1229	1.6071%	1
1223	1.6045%	1
1120	1.5592%	1
991	1.5024%	1
1147	1.5711%	1
1217	1.6019%	1
1231	1.6080%	1
1231	1.6080%	1
1173	1.5825%	1
1151	1.5728%	1
1049	1.5279%	1
1138	1.5671%	1
1200	1.5944%	1
1227	1.6063%	1
1212	1.5997%	1
1190	1.5900%	1
1093	1.5473%	1
990	1.5020%	1

1117	2.6173%	1
968	2.5125%	1
1119	2.6187%	1
1238	2.7024%	1
1259	2.7171%	1
1231	2.6974%	1
1203	2.6777%	1
1055	2.5736%	1
1023	2.5511%	1
1116	2.6165%	1
1190	2.6686%	1
1214	2.6855%	1
1052	2.5715%	1
949	2.4991%	1
989	2.5272%	1
1034	2.5589%	1
1184	2.6644%	1
1325	2.7635%	1
1325	2.7635%	1
1285	2.7354%	1
1240	2.7038%	1
1134	2.6292%	1
1040	2.5631%	1
1212	2.6841%	1
1330	2.7671%	1
1293	2.7410%	1
1271	2.7256%	1
1289	2.7382%	1
1258	2.7164%	1
1100	2.6053%	1
1215	2.6862%	1
1311	2.7537%	1
1305	2.7495%	1
1322	2.7614%	1
1395	2.8128%	1
1351	2.7818%	1
1215	2.6862%	1
1271	2.7256%	1
1498	2.8852%	1
1473	2.8676%	1
1421	2.8311%	1
1278	2.7305%	1
1155	2.6440%	1
1067	2.5821%	1
1196	2.6728%	1
1325	2.7635%	1
1255	2.7143%	1
1175	2.6580%	1
1120	2.6194%	1
1176	2.6587%	1
1120	2.6194%	1
1120	2.6194%	1
1313	2.7551%	1
1480	2.8726%	1
1432	2.8388%	1

1020	1.5152%	1	1473	2.8676%	1
909	1.4663%	1	1427	2.8353%	1
1033	1.5209%	1	1332	2.7685%	1
1144	1.5697%	1	1244	2.7066%	1
1181	1.5860%	1	1386	2.8064%	1
1158	1.5759%	1	1422	2.8318%	1
1148	1.5715%	1	1452	2.8529%	1
1056	1.5310%	1	1419	2.8297%	1
938	1.4791%	1	1367	2.7931%	1
1041	1.5244%	1	1220	2.6897%	1
1131	1.5640%	1	1090	2.5983%	1
1157.6	1.5757%	1	1193	2.6707%	1
1146	1.5706%	1	1328	2.7657%	1
1149	1.5719%	1	1332	2.7685%	1
1034	1.5213%	1	1296	2.7431%	1
946	1.4826%	1	1312	2.7544%	1
1079	1.5411%	1	1172	2.6559%	1
1176	1.5838%	1	1081	2.5919%	1
1162	1.5777%	1	1225	2.6932%	1
1161	1.5772%	1	1380	2.8022%	1
1163	1.5781%	1	1302	2.7474%	1
1047	1.5271%	1	1296	2.7431%	1
945	1.4822%	1	1297	2.7439%	1
1051.6	1.5291%	1	1200	2.6756%	1
1179	1.5851%	1	1088	2.5969%	1
1168	1.5803%	1	1181	2.6623%	1
1170	1.5812%	1	1239	2.7031%	1
1172	1.5821%	1	1275.482233	2.7287%	1
1072	1.5381%	1	1244	2.7066%	1
1018	1.5143%	1	1337	2.7720%	1
998	1.5055%	1	1115	2.6158%	1
1106.4	1.5532%	1	1049	2.5694%	1
1175.5	1.5836%	1	1198	2.6742%	1
1185	1.5878%	1	1242	2.7052%	1
1169	1.5807%	1	1244	2.7066%	1
1085	1.5438%	1	1212	2.6841%	1
1207	1.5975%	1	1302	2.7474%	1
1241.7	1.6127%	1	1262	2.7192%	1
1331	1.6520%	1	1091.5	2.5993%	1
1343	1.6573%	1	1161	2.6482%	1
1437	1.6987%	1	1220	2.6897%	1
1359	1.6643%	1	1272	2.7263%	1
1270	1.6252%	1	1313	2.7551%	1
1119	1.5587%	1	1294	2.7417%	1
1121	1.5596%	1	1195	2.6721%	1
1189	1.5895%	1	1089	2.5976%	1
1200	1.5944%	1	1231	2.6974%	1
1194	1.5917%	1	1305	2.7495%	1
1180	1.5856%	1	1313	2.7551%	1
1091	1.5464%	1	1293	2.7410%	1
1005	1.5086%	1	1249	2.7101%	1
1166	1.5794%	1	1125	2.6229%	1
1345	1.6582%	1	1022	2.5504%	1
1416	1.6894%	1	1158	2.6461%	1
1365	1.6670%	1	1245	2.7073%	1

1416	1.6894%	1	1248	2.7094%	1
1318	1.6463%	1	1293.334713	2.7413%	1
1244	1.6137%	1	1275.162329	2.7285%	1
1382	1.6745%	1	1212	2.6841%	1
1248	1.6155%	1	1154	2.6433%	1
1235	1.6098%	1	1261	2.7185%	1
1298	1.6375%	1	1304	2.7488%	1
1226	1.6058%	1	1296	2.7431%	1
1211	1.5992%	1	1317	2.7579%	1
1314	1.6445%	1	1290	2.7389%	1
1352	1.6613%	1	1194	2.6714%	1
1487	1.7207%	1	1058.166959	2.5759%	1
1309	1.6423%	1	1178	2.6602%	1
1357	1.6635%	1	1211	2.6834%	1
1385	1.6758%	1	1194	2.6714%	1
1148	1.5715%	1	1234	2.6995%	1
1020	1.5152%	1	1237	2.7017%	1
1204	1.5961%	1	1107	2.6102%	1
1308	1.6419%	1	1019	2.5483%	1
1331	1.6520%	1	1162.754961	2.6494%	1
1402	1.6833%	1	1238	2.7024%	1
1567	1.7559%	1	1224	2.6925%	1
1392	1.6789%	1	1242	2.7052%	1
1187	1.5887%	1	1249	2.7101%	1
1339	1.6555%	1	1097	2.6032%	1
1373	1.6705%	1	954	2.5026%	1
1389	1.6775%	1	1082	2.5926%	1
1519	1.7348%	1	1160	2.6475%	1
1543	1.7453%	1	1127	2.6243%	1
1408	1.6859%	1	1124	2.6222%	1
1396	1.6806%	1	1048	2.5687%	1
1537	1.7427%	1	906.5	2.4692%	1
1490.2	1.7221%	1	881	2.4513%	1
1473	1.7145%	1	962	2.5082%	1
1495.5	1.7244%	1	1149	2.6398%	1
1674	1.8030%	1	1169	2.6538%	1
1760.993258	1.8412%	1	1130	2.6264%	1
1204	1.5961%	1	1163	2.6496%	1
1235	1.6098%	1	1112	2.6137%	1
1344	1.6577%	1	969	2.5132%	1
1372	1.6701%	1	1101	2.6060%	1
1346	1.6586%	1	1161	2.6482%	1
1339	1.6555%	1	1135	2.6299%	1
1250	1.6164%	1	1131	2.6271%	1
1096	1.5486%	1	1156	2.6447%	1
1160	1.5768%	1	1042.548227	2.5649%	1
1268	1.6243%	1	951	2.5005%	1
1358	1.6639%	1	1073	2.5863%	1
1372	1.6701%	1	1155	2.6440%	1
1393	1.6793%	1	1155	2.6440%	1
1134	1.5653%	1	1180	2.6616%	1
1019	1.5147%	1	1219	2.6890%	1
1196	1.5926%	1	1096	2.6025%	1
1368	1.6683%	1	956	2.5040%	1
1345	1.6582%	1	1066	2.5814%	1

1289	1.6335%	1	1134	2.6292%	1
1250	1.6164%	1	1164	2.6503%	1
1157	1.5755%	1	1144	2.6362%	1
1062	1.5337%	1	1127	2.6243%	1
1190	1.5900%	1	1069	2.5835%	1
1268	1.6243%	1	1185	2.6651%	1
1304	1.6401%	1	1225.3	2.6934%	1
1327	1.6503%	1	1228	2.6953%	1
1355	1.6626%	1	1190	2.6686%	1
1390	1.6780%	1	1091	2.5990%	1
1176	1.5838%	1	1015	2.5455%	1
1155	1.5746%	1	1079	2.5905%	1
1237	1.6107%	1	1164	2.6503%	1
1257	1.6195%	1	1163	2.6496%	1
1313	1.6441%	1	1200	2.6756%	1
1411	1.6872%	1	1199	2.6749%	1
1277.578979	1.6285%	1	1087	2.5962%	1
1162	1.5777%	1	966	2.5110%	1
1029	1.5191%	1	1142	2.6348%	1
1126	1.5618%	1	1219	2.6890%	1
1288	1.6331%	1	1243	2.7059%	1
1243	1.6133%	1	1220	2.6897%	1
1195	1.5922%	1	1179	2.6609%	1
1112	1.5557%	1	1040	2.5631%	1
1012	1.5117%	1	999	2.5343%	1
1114	1.5565%	1	1109	2.6116%	1
1205	1.5966%	1	1187	2.6665%	1
1199	1.5939%	1	1196	2.6728%	1
1192	1.5909%	1	1016	2.5462%	1
1202	1.5953%	1	936	2.4899%	1
1086	1.5442%	1	974	2.5167%	1
978	1.4967%	1	1013	2.5441%	1
1084	1.5433%	1	1178	2.6602%	1
1171	1.5816%	1	1296	2.7431%	1
1161	1.5772%	1	1305	2.7495%	1
1194	1.5917%	1	1249	2.7101%	1
1164	1.5785%	1	1208	2.6813%	1
1073	1.5385%	1	1107	2.6102%	1
979	1.4971%	1	1022	2.5504%	1
1150	1.5724%	1	1202	2.6770%	1
1178.3	1.5848%	1	1318	2.7586%	1
1189	1.5895%	1	1283	2.7340%	1
1167	1.5799%	1	1252	2.7122%	1
1189.553078	1.5898%	1	1268	2.7235%	1
1082	1.5425%	1	1231	2.6974%	1
1001	1.5068%	1	1065	2.5807%	1
1128	1.5627%	1	1226	2.6939%	1
1211	1.5992%	1	1284	2.7347%	1
1202	1.5953%	1	1269	2.7242%	1
1184	1.5873%	1	1307	2.7509%	1
1177	1.5843%	1	1370	2.7952%	1
1072	1.5381%	1	1324	2.7628%	1
969	1.4927%	1	1189	2.6679%	1
1089	1.5455%	1	1269	2.7242%	1
1184	1.5873%	1	1470	2.8655%	1

1186	1.5882%	1	1444	2.8472%	1
1198	1.5935%	1	1400	2.8163%	1
1195	1.5922%	1	1236	2.7009%	1
1098	1.5495%	1	1121	2.6201%	1
980	1.4976%	1	1051	2.5708%	1
1138	1.5671%	1	1179	2.6609%	1
1204	1.5961%	1	1301	2.7467%	1
1206	1.5970%	1	1224	2.6925%	1
1215	1.6010%	1	1153	2.6426%	1
1171	1.5816%	1	1084	2.5940%	1
1117	1.5579%	1	1157	2.6454%	1
1032	1.5205%	1	1119	2.6187%	1
1137	1.5667%	1	1105	2.6088%	1
1193	1.5913%	1	1330	2.7671%	1
1208	1.5979%	1	1469	2.8648%	1
1186	1.5882%	1	1416	2.8275%	1
1166	1.5794%	1	1474	2.8683%	1
1058	1.5319%	1	1434	2.8402%	1
959	1.4883%	1	1315	2.7565%	1
1022	1.5161%	1	1228	2.6953%	1
902	1.4633%	1	1404	2.8191%	1
1057	1.5315%	1	1429	2.8367%	1
1137	1.5667%	1	1446	2.8487%	1
1167	1.5799%	1	1409	2.8226%	1
1153	1.5737%	1	1364	2.7910%	1
1130	1.5636%	1	1198	2.6742%	1
1024	1.5169%	1	1087	2.5962%	1
931	1.4760%	1	1203	2.6777%	1
1057	1.5315%	1	1333	2.7692%	1
1132	1.5645%	1	1326	2.7642%	1
1132.6	1.5647%	1	1294	2.7417%	1
1150	1.5724%	1	1298	2.7446%	1
1148	1.5715%	1	1167	2.6524%	1
1003	1.5077%	1	1073	2.5863%	1
940	1.4800%	1	1233	2.6988%	1
1096	1.5486%	1	1365	2.7917%	1
1175	1.5834%	1	1283	2.7340%	1
1155	1.5746%	1	1279	2.7312%	1
1156	1.5750%	1	1276	2.7291%	1
1151.5	1.5730%	1	1174	2.6573%	1
1027	1.5183%	1	1078	2.5898%	1
936	1.4782%	1	1191	2.6693%	1
1066.6	1.5357%	1	1227	2.6946%	1
1158	1.5759%	1	1262	2.7192%	1
1161	1.5772%	1	1233	2.6988%	1
1163	1.5781%	1	1313	2.7551%	1
1153	1.5737%	1	1109	2.6116%	1
1050	1.5284%	1	1047	2.5680%	1
988	1.5011%	1	1200	2.6756%	1
979	1.4971%	1	1224	2.6925%	1
1103.6	1.5520%	1	1234	2.6995%	1
1167	1.5799%	1	1197	2.6735%	1
1169	1.5807%	1	1293	2.7410%	1
1157	1.5755%	1	1230	2.6967%	1
1061	1.5332%	1	1090.5	2.5986%	1

1175	1.5834%	1
1249	1.6159%	1
1313	1.6441%	1
1331	1.6520%	1
1409	1.6863%	1
1343	1.6573%	1
1239	1.6115%	1
1106	1.5530%	1
1204	1.5961%	1
1167	1.5799%	1
1182	1.5865%	1
1179	1.5851%	1
1175	1.5834%	1
1063	1.5341%	1
989	1.5015%	1
1156	1.5750%	1
1329	1.6511%	1
1387	1.6767%	1
1345	1.6582%	1
1383	1.6749%	1
1274	1.6269%	1
1206	1.5970%	1
1386	1.6762%	1
1228	1.6067%	1
1249	1.6159%	1
1290	1.6340%	1
1212	1.5997%	1
1200	1.5944%	1
1266	1.6234%	1
1313	1.6441%	1
1476	1.7158%	1
1277	1.6283%	1
1316	1.6454%	1
1373	1.6705%	1
1124	1.5609%	1
998	1.5055%	1
1208	1.5979%	1
1292	1.6349%	1
1312	1.6437%	1
1377	1.6723%	1
1531	1.7400%	1
1366	1.6674%	1
1141	1.5684%	1
1328	1.6507%	1
1333	1.6529%	1
1378	1.6727%	1
1487	1.7207%	1
1603.671221	1.7720%	1
1365	1.6670%	1
1350	1.6604%	1
1492	1.7229%	1
1434.8	1.6977%	1
1434	1.6974%	1
1464.6	1.7108%	1
1655	1.7946%	1

1173	2.6566%	1
1220	2.6897%	1
1254	2.7136%	1
1301	2.7467%	1
1288	2.7375%	1
1181	2.6623%	1
1089	2.5976%	1
1248	2.7094%	1
1303	2.7481%	1
1315	2.7565%	1
1286	2.7361%	1
1260	2.7178%	1
1122	2.6208%	1
1017	2.5469%	1
1180	2.6616%	1
1240	2.7038%	1
1236	2.7009%	1
1303	2.7481%	1
1284	2.7347%	1
1193	2.6707%	1
1154	2.6433%	1
1265	2.7213%	1
1300	2.7460%	1
1285	2.7354%	1
1296	2.7431%	1
1278	2.7305%	1
1180	2.6616%	1
1033.497593	2.5585%	1
1199	2.6749%	1
1251	2.7115%	1
1190	2.6686%	1
1224	2.6925%	1
1228	2.6953%	1
1106	2.6095%	1
1001	2.5357%	1
1187.22507	2.6666%	1
1243	2.7059%	1
1225	2.6932%	1
1225	2.6932%	1
1247	2.7087%	1
1092	2.5997%	1
943	2.4949%	1
1113	2.6144%	1
1159	2.6468%	1
1135	2.6299%	1
1127	2.6243%	1
1011	2.5427%	1
895.5	2.4615%	1
819	2.4077%	1
981	2.5216%	1
1150	2.6405%	1
1160	2.6475%	1
1129	2.6257%	1
1157	2.6454%	1
1097	2.6032%	1

1575.474273	1.7596%	1	960	2.5068%	1
1160	1.5768%	1	1117	2.6173%	1
1227	1.6063%	1	1166	2.6517%	1
1323	1.6485%	1	1142	2.6348%	1
1340	1.6560%	1	1135	2.6299%	1
1320	1.6472%	1	1133	2.6285%	1
1311	1.6432%	1	1036	2.5603%	1
1228	1.6067%	1	930	2.4857%	1
1074	1.5389%	1	1090	2.5983%	1
1183	1.5869%	1	1153.6	2.6430%	1
1257	1.6195%	1	1263.6	2.7204%	1
1340	1.6560%	1	1182	2.6630%	1
1344	1.6577%	1	1204	2.6784%	1
1380	1.6736%	1	1084	2.5940%	1
1118	1.5583%	1	939	2.4921%	1
999	1.5059%	1	1085	2.5947%	1
1211	1.5992%	1	1132	2.6278%	1
1334	1.6533%	1	1162	2.6489%	1
1316	1.6454%	1	1144	2.6362%	1
1272	1.6261%	1	1133	2.6285%	1
1232	1.6085%	1	1094	2.6011%	1
1129	1.5631%	1	1181	2.6623%	1
1039	1.5235%	1	1233	2.6988%	1
1174	1.5829%	1	1237	2.7017%	1
1269	1.6247%	1	1172	2.6559%	1
1287	1.6327%	1	1088	2.5969%	1
1299	1.6379%	1	1004	2.5378%	1
1308	1.6419%	1	1099	2.6046%	1
1345	1.6582%	1	1149	2.6398%	1
1148	1.5715%	1	1156	2.6447%	1
1162	1.5777%	1	1179	2.6609%	1
1231	1.6080%	1	1200	2.6756%	1
1241	1.6124%	1	1090	2.5983%	1
1299	1.6379%	1	937	2.4906%	1
1385	1.6758%	1	1152	2.6419%	1
1232	1.6085%	1	1230	2.6967%	1
1123	1.5605%	1	1235	2.7002%	1
1001	1.5068%	1	1205	2.6791%	1
1132	1.5645%	1	1169	2.6538%	1
1260	1.6208%	1	1031	2.5568%	1
1207	1.5975%	1	1007	2.5399%	1
1193	1.5913%	1	1119	2.6187%	1
1091	1.5464%	1	1188	2.6672%	1
998	1.5055%	1	1182	2.6630%	1
1127	1.5623%	1	996	2.5321%	1
1197	1.5931%	1	942	2.4942%	1
1185	1.5878%	1	962	2.5082%	1
1185	1.5878%	1	1010	2.5420%	1
1192	1.5909%	1	1187	2.6665%	1
1081	1.5420%	1	1311	2.7537%	1
965	1.4910%	1	1289	2.7382%	1
1104	1.5521%	1	1254	2.7136%	1
1173	1.5825%	1	1214	2.6855%	1
1165	1.5790%	1	1077	2.5891%	1
1164	1.5785%	1	1014	2.5448%	1

1164	1.5785%	1
1054	1.5301%	1
968	1.4923%	1
1130	1.5636%	1
1174.771232	1.5833%	1
1191	1.5904%	1
1175.4	1.5836%	1
1178	1.5847%	1
1056	1.5310%	1
994	1.5037%	1
1140	1.5680%	1
1207	1.5975%	1
1207	1.5975%	1
1184	1.5873%	1
1174	1.5829%	1
1050	1.5284%	1
1101.697483	1.5511%	1
1096	1.5486%	1
1173	1.5825%	1
1178	1.5847%	1
1189	1.5895%	1
1196	1.5926%	1
1080	1.5416%	1
972	1.4941%	1
1146	1.5706%	1
1182	1.5865%	1
1205	1.5966%	1
1208	1.5979%	1
1166	1.5794%	1
1101	1.5508%	1
1026	1.5178%	1
1149	1.5719%	1
1180	1.5856%	1
1210	1.5988%	1
1180	1.5856%	1
1162	1.5777%	1
1054	1.5301%	1
941	1.4804%	1
1009	1.5103%	1
960	1.4888%	1
1114	1.5565%	1
1171	1.5816%	1
1206	1.5970%	1
1182	1.5865%	1
1173	1.5825%	1
1030	1.5196%	1
946	1.4826%	1
1116	1.5574%	1
1172	1.5821%	1
1167	1.5799%	1
1175	1.5834%	1
1191	1.5904%	1
1031	1.5200%	1
935	1.4778%	1
1149	1.5719%	1

1220	2.6897%	1
1298	2.7446%	1
1270	2.7249%	1
1234	2.6995%	1
1255	2.7143%	1
1202	2.6770%	1
1048	2.5687%	1
1227	2.6946%	1
1278	2.7305%	1
1279	2.7312%	1
1309	2.7523%	1
1369	2.7945%	1
1304	2.7488%	1
1178	2.6602%	1
1287	2.7368%	1
1456	2.8557%	1
1452	2.8529%	1
1390	2.8093%	1
1230	2.6967%	1
1112	2.6137%	1
1046	2.5673%	1
1188	2.6672%	1
1289	2.7382%	1
1220	2.6897%	1
1152	2.6419%	1
1074	2.5870%	1
1157	2.6454%	1
1136	2.6306%	1
1111	2.6130%	1
1386	2.8064%	1
1522	2.9021%	1
1456	2.8557%	1
1534	2.9105%	1
1469	2.8648%	1
1340	2.7741%	1
1232	2.6981%	1
1449	2.8508%	1
1451	2.8522%	1
1478	2.8712%	1
1440	2.8444%	1
1393	2.8114%	1
1208	2.6813%	1
1100	2.6053%	1
1265	2.7213%	1
1371	2.7959%	1
1367	2.7931%	1
1336	2.7713%	1
1329	2.7664%	1
1175	2.6580%	1
1088	2.5969%	1
1306	2.7502%	1
1406	2.8205%	1
1330	2.7671%	1
1329	2.7664%	1
1317	2.7579%	1

1191	1.5904%	1
1185	1.5878%	1
1193	1.5913%	1
1190	1.5900%	1
1035	1.5218%	1
939	1.4795%	1
1119.6	1.5590%	1
1209	1.5983%	1
1197	1.5931%	1
1206	1.5970%	1
1182	1.5865%	1
1040	1.5240%	1
981	1.4980%	1
987	1.5007%	1
1163.6	1.5784%	1
1197.5	1.5933%	1
1203	1.5957%	1
1185	1.5878%	1
1077	1.5403%	1
1174	1.5829%	1
1293	1.6353%	1
1333	1.6529%	1
1335	1.6538%	1
1421	1.6916%	1
1367	1.6679%	1
1235	1.6098%	1
1110	1.5548%	1
1200	1.5944%	1
1208	1.5979%	1
1227	1.6063%	1
1223	1.6045%	1
1199	1.5939%	1
1072	1.5381%	1
978	1.4967%	1
1209	1.5983%	1
1348	1.6595%	1
1403	1.6837%	1
1370	1.6692%	1
1393	1.6793%	1
1264	1.6225%	1
1223	1.6045%	1
1405	1.6846%	1
1256	1.6190%	1
1268	1.6243%	1
1226	1.6058%	1
1246	1.6146%	1
1164.597412	1.5788%	1
1249	1.6159%	1
1300	1.6384%	1
1503	1.7277%	1
1305	1.6406%	1
1355	1.6626%	1
1401	1.6828%	1
1111	1.5552%	1
994	1.5037%	1

1198	2.6742%	1
1079	2.5905%	1
1247	2.7087%	1
1287	2.7368%	1
1290.454876	2.7392%	1
1309	2.7523%	1
1360	2.7882%	1
1126	2.6236%	1
1050	2.5701%	1
1262	2.7192%	1
1269	2.7242%	1
1284	2.7347%	1
1234	2.6995%	1
1340	2.7741%	1
1247	2.7087%	1
1089.5	2.5979%	1
1236	2.7009%	1
1261	2.7185%	1
1318	2.7586%	1
1342	2.7755%	1
1333	2.7692%	1
1174	2.6573%	1
1108	2.6109%	1
1309	2.7523%	1
1343	2.7762%	1
1354	2.7839%	1
1333	2.7692%	1
1295	2.7424%	1
1137	2.6313%	1
1018	2.5476%	1
1246	2.7080%	1
1274	2.7277%	1
1302	2.7474%	1
1343	2.7762%	1
1308	2.7516%	1
1214	2.6855%	1
1158	2.6461%	1
1327	2.7650%	1
1349	2.7804%	1
1337.5	2.7723%	1
1357	2.7861%	1
1315	2.7565%	1
1202	2.6770%	1
1046	2.5673%	1
1264.1	2.7207%	1
1232	2.6981%	1
1243	2.7059%	1
1273	2.7270%	1
1278	2.7305%	1
1114	2.6151%	1
1006	2.5392%	1
1243	2.7059%	1
1291	2.7396%	1
1271	2.7256%	1
1292	2.7403%	1

1194	1.5917%	1	1300	2.7460%	1
1320	1.6472%	1	1108	2.6109%	1
1341	1.6564%	1	965.6	2.5108%	1
1394	1.6797%	1	1206	2.6798%	1
1538	1.7431%	1	1204	2.6784%	1
1347	1.6591%	1	1172	2.6559%	1
1133	1.5649%	1	1154	2.6433%	1
1383	1.6749%	1	1035	2.5596%	1
1375.155455	1.6715%	1	907.5	2.4699%	1
1406	1.6850%	1	839	2.4217%	1
1503	1.7277%	1	1037	2.5610%	1
1594	1.7678%	1	1185	2.6651%	1
1359	1.6643%	1	1210	2.6827%	1
1328	1.6507%	1	1158	2.6461%	1
1505	1.7286%	1	1202	2.6770%	1
1462	1.7097%	1	1109	2.6116%	1
1444	1.7018%	1	977	2.5188%	1
1508	1.7299%	1	1185	2.6651%	1
1661	1.7972%	1	1216	2.6869%	1
1530	1.7396%	1	1190	2.6686%	1
1171	1.5816%	1	1185	2.6651%	1
1279	1.6291%	1	1180	2.6616%	1
1344	1.6577%	1	1055	2.5736%	1
1372	1.6701%	1	957	2.5047%	1
1332	1.6525%	1	1161.6	2.6486%	1
1340	1.6560%	1	1205	2.6791%	1
1218	1.6023%	1	1360	2.7882%	1
1064	1.5345%	1	1199	2.6749%	1
1221	1.6036%	1	1241	2.7045%	1
1288	1.6331%	1	1098	2.6039%	1
1363	1.6661%	1	956	2.5040%	1
1373	1.6705%	1	1137	2.6313%	1
1402	1.6833%	1	1171	2.6552%	1
1110	1.5548%	1	1203	2.6777%	1
995	1.5042%	1	1179	2.6609%	1
1251	1.6168%	1	1170	2.6545%	1
1355	1.6626%	1	1146	2.6376%	1
1335	1.6538%	1	1220	2.6897%	1
1300	1.6384%	1	1279	2.7312%	1
1260	1.6208%	1	1202.188436	2.6772%	1
1134	1.5653%	1	1222	2.6911%	1
1029	1.5191%	1	1111	2.6130%	1
1233	1.6089%	1	1017	2.5469%	1
1321	1.6476%	1	1161	2.6482%	1
1315	1.6450%	1	1205	2.6791%	1
1325	1.6494%	1	1195	2.6721%	1
1365	1.6670%	1	1241	2.7045%	1
1342	1.6569%	1	1234	2.6995%	1
1131	1.5640%	1	1117	2.6173%	1
1215	1.6010%	1	961	2.5075%	1
1261	1.6212%	1	1214	2.6855%	1
1272	1.6261%	1	1273	2.7270%	1
1317	1.6459%	1	1284	2.7347%	1
1393	1.6793%	1	1272	2.7263%	1
1231	1.6080%	1	1214	2.6855%	1

1119	1.5587%	1	1078	2.5898%	1
1007	1.5095%	1	1035	2.5596%	1
1167	1.5799%	1	1176	2.6587%	1
1285	1.6318%	1	1233	2.6988%	1
1259	1.6203%	1	1225	2.6932%	1
1210	1.5988%	1	1007	2.5399%	1
1107	1.5535%	1	968	2.5125%	1
993	1.5033%	1	986	2.5251%	1
1174	1.5829%	1	1016	2.5462%	1
1225	1.6054%	1	1264	2.7206%	1
1230	1.6076%	1	1343	2.7762%	1
1229	1.6071%	1	1349	2.7804%	1
1214	1.6005%	1	1290	2.7389%	1
1069	1.5367%	1	1247	2.7087%	1
959	1.4883%	1	1102	2.6067%	1
1143	1.5693%	1	1027	2.5540%	1
1214	1.6005%	1	1278	2.7305%	1
1199	1.5939%	1	1360	2.7882%	1
1211	1.5992%	1	1312	2.7544%	1
1204	1.5961%	1	1295	2.7424%	1
1061	1.5332%	1	1310	2.7530%	1
965	1.4910%	1	1224	2.6925%	1
1202	1.5953%	1	1064	2.5800%	1
1229	1.6071%	1	1299	2.7453%	1
1227	1.6063%	1	1336	2.7713%	1
1199	1.5939%	1	1325	2.7635%	1
1214	1.6005%	1	1362	2.7896%	1
1076	1.5398%	1	1415	2.8268%	1
1001	1.5068%	1	1324	2.7628%	1
1193.662502	1.5916%	1	1181	2.6623%	1
1248	1.6155%	1	1350	2.7811%	1
1242	1.6129%	1	1528	2.9063%	1
1221	1.6036%	1	1506	2.8909%	1
1193	1.5913%	1	1426	2.8346%	1
1060	1.5328%	1	1236	2.7009%	1
941.2070795	1.4805%	1	1110	2.6123%	1
1170	1.5812%	1	1072	2.5856%	1
1215	1.6010%	1	1228	2.6953%	1
1216	1.6014%	1	1340	2.7741%	1
1229	1.6071%	1	1266	2.7220%	1
1231	1.6080%	1	1190	2.6686%	1
1076	1.5398%	1	1096	2.6025%	1
975	1.4954%	1	1196	2.6728%	1
1213	1.6001%	1	1199	2.6749%	1
1219	1.6027%	1	1140	2.6334%	1
1252	1.6173%	1	1529	2.9070%	1
1234	1.6093%	1	1647	2.9900%	1
1204	1.5961%	1	1596	2.9542%	1
1125	1.5614%	1	1654	2.9949%	1
1032	1.5205%	1	1589	2.9492%	1
1209	1.5983%	1	1389	2.8086%	1
1221	1.6036%	1	1270	2.7249%	1
1240	1.6120%	1	1600	2.9570%	1
1225	1.6054%	1	1591	2.9506%	1
1200	1.5944%	1	1624	2.9738%	1

1055	1.5306%	1	1584	2.9457%	1
953	1.4857%	1	1536	2.9120%	1
1062	1.5337%	1	1258	2.7164%	1
933	1.4769%	1	1128	2.6250%	1
1252	1.6173%	1	1395	2.8128%	1
1289	1.6335%	1	1526	2.9049%	1
1337	1.6547%	1	1518	2.8993%	1
1294	1.6357%	1	1482	2.8740%	1
1298	1.6375%	1	1466	2.8627%	1
1081	1.5420%	1	1235	2.7002%	1
953	1.4857%	1	1110	2.6123%	1
1256	1.6190%	1	1473	2.8676%	1
1295	1.6362%	1	1552	2.9232%	1
1309.5	1.6426%	1	1467	2.8634%	1
1320	1.6472%	1	1475	2.8690%	1
1298	1.6375%	1	1476	2.8698%	1
1080	1.5416%	1	1273	2.7270%	1
953	1.4857%	1	1113	2.6144%	1
1267	1.6239%	1	1402	2.8177%	1
1329	1.6511%	1	1424	2.8332%	1
1305	1.6406%	1	1456.415471	2.8560%	1
1319	1.6467%	1	1468	2.8641%	1
1311.6	1.6435%	1	1488	2.8782%	1
1068	1.5363%	1	1176	2.6587%	1
972	1.4941%	1	1049	2.5694%	1
1256.6	1.6193%	1	1404	2.8191%	1
1323	1.6485%	1	1417	2.8283%	1
1315	1.6450%	1	1424	2.8332%	1
1310	1.6428%	1	1405	2.8198%	1
1269	1.6247%	1	1485	2.8761%	1
1048	1.5275%	1	1331	2.7678%	1
980	1.4976%	1	1132	2.6278%	1
1001	1.5068%	1	1395	2.8128%	1
1277.4	1.6284%	1	1407	2.8212%	1
1314	1.6445%	1	1444	2.8472%	1
1299	1.6379%	1	1483	2.8747%	1
1276	1.6278%	1	1467	2.8634%	1
1097	1.5491%	1	1266	2.7220%	1
1156	1.5750%	1	1134	2.6292%	1
1405	1.6846%	1	1473	2.8676%	1
1433	1.6969%	1	1500	2.8866%	1
1455	1.7066%	1	1502	2.8880%	1
1513	1.7321%	1	1471	2.8662%	1
1463	1.7101%	1	1433	2.8395%	1
1262	1.6217%	1	1177	2.6595%	1
1118	1.5583%	1	1064	2.5800%	1
1301	1.6388%	1	1400	2.8163%	1
1169	1.5807%	1	1430	2.8374%	1
1308	1.6419%	1	1461	2.8592%	1
1305	1.6406%	1	1486.5	2.8771%	1
1281	1.6300%	1	1440	2.8444%	1
1097	1.5491%	1	1286	2.7361%	1
990	1.5020%	1	1211	2.6834%	1
1309	1.6423%	1	1469	2.8648%	1
1453	1.7057%	1	1486	2.8768%	1

1504	1.7282%	1	1493	2.8817%	1
1448	1.7035%	1	1497	2.8845%	1
1477	1.7163%	1	1473	2.8676%	1
1286	1.6322%	1	1266	2.7220%	1
1184.844365	1.5877%	1	1108	2.6109%	1
1516	1.7334%	1	1408.8	2.8225%	1
1345	1.6582%	1	1448	2.8501%	1
1363	1.6661%	1	1395	2.8128%	1
1412	1.6877%	1	1414	2.8261%	1
1304	1.6401%	1	1403	2.8184%	1
1187.439575	1.5889%	1	1177	2.6595%	1
1232	1.6085%	1	1051.2	2.5710%	1
1304	1.6401%	1	1391	2.8100%	1
1556	1.7510%	1	1429	2.8367%	1
1372	1.6701%	1	1408	2.8219%	1
1428	1.6947%	1	1431	2.8381%	1
1497	1.7251%	1	1428	2.8360%	1
1137	1.5667%	1	1114.5	2.6155%	1
994	1.5037%	1	992.5	2.5297%	1
1337	1.6547%	1	1312	2.7544%	1
1400	1.6824%	1	1324	2.7628%	1
1439	1.6996%	1	1302	2.7474%	1
1503	1.7277%	1	1280	2.7319%	1
1608	1.7739%	1	1085	2.5947%	1
1384	1.6753%	1	937	2.4906%	1
1138	1.5671%	1	908	2.4703%	1
1515	1.7330%	1	1170	2.6545%	1
1467.672917	1.7122%	1	1317	2.7579%	1
1524	1.7370%	1	1362	2.7896%	1
1600	1.7704%	1	1302	2.7474%	1
1678	1.8047%	1	1320	2.7600%	1
1296	1.6366%	1	1151	2.6412%	1
1308	1.6419%	1	1018	2.5476%	1
1621	1.7796%	1	1341	2.7748%	1
1534	1.7414%	1	1355.2	2.7848%	1
1551	1.7488%	1	1324.5	2.7632%	1
1615	1.7770%	1	1314	2.7558%	1
1763	1.8421%	1	1319	2.7593%	1
1556	1.7510%	1	1118	2.6180%	1
1152	1.5733%	1	1001	2.5357%	1
1392	1.6789%	1	1325.5	2.7639%	1
1464	1.7106%	1	1333	2.7692%	1
1487	1.7207%	1	1339	2.7734%	1
1444	1.7018%	1	1224	2.6925%	1
1450	1.7044%	1	1368	2.7938%	1
1271	1.6256%	1	1157	2.6454%	1
1082	1.5425%	1	992	2.5293%	1
1341	1.6564%	1	1297	2.7439%	1
1412	1.6877%	1	1314	2.7558%	1
1461	1.7092%	1	1337	2.7720%	1
1487	1.7207%	1	1326	2.7642%	1
1496	1.7246%	1	1297	2.7439%	1
1158	1.5759%	1	1322	2.7614%	1
1004	1.5081%	1	1380	2.8022%	1
1382	1.6745%	1	1439.2	2.8439%	1

1457	1.7075%	1	1450	2.8515%	1
1449	1.7040%	1	1373	2.7973%	1
1417	1.6899%	1	1179	2.6609%	1
1375	1.6714%	1	1059	2.5765%	1
1186	1.5882%	1	1331	2.7678%	1
1064	1.5345%	1	1348	2.7797%	1
1367	1.6679%	1	1357	2.7861%	1
1433	1.6969%	1	1377	2.8001%	1
1451	1.7048%	1	1388	2.8079%	1
1464	1.7106%	1	1191	2.6693%	1
1475	1.7154%	1	1003	2.5371%	1
1389	1.6775%	1	1378	2.8008%	1
1138	1.5671%	1	1436	2.8416%	1
1352	1.6613%	1	1454	2.8543%	1
1394	1.6797%	1	1424	2.8332%	1
1391	1.6784%	1	1354	2.7839%	1
1449	1.7040%	1	1150	2.6405%	1
1496	1.7246%	1	1088	2.5969%	1
1253	1.6177%	1	1333	2.7692%	1
1147	1.5711%	1	1377	2.8001%	1
1017	1.5139%	1	1386	2.8064%	1
1330	1.6516%	1	1058	2.5758%	1
1433	1.6969%	1	1057	2.5751%	1
1372	1.6701%	1	1049	2.5694%	1
1355	1.6626%	1	1054	2.5729%	1
1169	1.5807%	1	1429	2.8367%	1
1030	1.5196%	1	1495	2.8831%	1
1325	1.6494%	1	1505	2.8901%	1
1354	1.6621%	1	1446	2.8487%	1
1346	1.6586%	1	1387	2.8072%	1
1365	1.6670%	1	1170	2.6545%	1
1347	1.6591%	1	1071	2.5849%	1
1139	1.5675%	1	1443	2.8465%	1
996	1.5046%	1	1504	2.8894%	1
1290	1.6340%	1	1466	2.8627%	1
1348	1.6595%	1	1440	2.8444%	1
1331	1.6520%	1	1444	2.8472%	1
1335	1.6538%	1	1300	2.7460%	1
1326	1.6498%	1	1093	2.6004%	1
1119	1.5587%	1	1457	2.8564%	1
1004	1.5081%	1	1481	2.8733%	1
1329	1.6511%	1	1472	2.8669%	1
1350	1.6604%	1	1524	2.9035%	1
1354	1.6621%	1	1552	2.9232%	1
1354	1.6621%	1	1386	2.8064%	1
1358	1.6639%	1	1236	2.7009%	1
1127.6	1.5625%	1	1510	2.8937%	1
1036	1.5222%	1	1671	3.0069%	1
1351	1.6608%	1	1632	2.9795%	1
1389	1.6775%	1	1539	2.9141%	1
1383	1.6749%	1	1281	2.7326%	1
1361	1.6652%	1	1156	2.6447%	1
1334	1.6533%	1	1111	2.6130%	1
1124	1.5609%	1	1340	2.7741%	1
1002	1.5073%	1	1449	2.8508%	1

1295	1.6362%	1	1377	2.8001%	1
1360	1.6648%	1	1287	2.7368%	1
1353	1.6617%	1	1141	2.6341%	1
1376	1.6718%	1	1244	2.7066%	1
1366	1.6674%	1	1293	2.7410%	1
1150	1.5724%	1	1210	2.6827%	1
1021	1.5156%	1	1774	2.9560%	1
1357	1.6635%	1	1890	2.8976%	1
1383	1.6749%	1	1833	2.9263%	1
1385	1.6758%	1	1885	2.9001%	1
1390	1.6780%	1	1833	2.9263%	1
1349	1.6599%	1	1495	2.8831%	1
1194.973015	1.5922%	1	1342	2.7755%	1
1085	1.5438%	1	1842	2.9217%	1
1371	1.6696%	1	1838	2.9238%	1
1378	1.6727%	1	1854	2.9157%	1
1392	1.6789%	1	1812	2.9368%	1
1356	1.6630%	1	1760	2.9630%	1
1334	1.6533%	1	1363	2.7903%	1
1117	1.5579%	1	1211	2.6834%	1
1014	1.5125%	1	1613	2.9661%	1
1132	1.5645%	1	1764	2.9610%	1
958	1.4879%	1	1740	2.9731%	1
1463	1.7101%	1	1717	2.9847%	1
1488	1.7211%	1	1686	3.0003%	1
1531	1.7400%	1	1340	2.7741%	1
1531	1.7400%	1	1202	2.6770%	1
1500	1.7264%	1	1716	2.9852%	1
1148	1.5715%	1	1786	2.9499%	1
1004	1.5081%	1	1699	2.9937%	1
1451	1.7048%	1	1709	2.9887%	1
1497	1.7251%	1	1707	2.9897%	1
1521.4	1.7358%	1	1387	2.8072%	1
1545	1.7462%	1	1190	2.6686%	1
1494	1.7238%	1	1648.361955	2.9910%	1
1147	1.5711%	1	1669	3.0055%	1
1005	1.5086%	1	1678	3.0043%	1
1475	1.7154%	1	1712	2.9872%	1
1542	1.7449%	1	1724	2.9811%	1
1518	1.7343%	1	1286	2.7361%	1
1509	1.7304%	1	1128	2.6250%	1
1505	1.7286%	1	1657	2.9971%	1
1154	1.5741%	1	1688	2.9993%	1
1008	1.5099%	1	1658	2.9978%	1
1464.4	1.7107%	1	1633.95934	2.9808%	1
1514	1.7326%	1	1717	2.9847%	1
1527	1.7383%	1	1395.260054	2.8130%	1
1523	1.7365%	1	1194	2.6714%	1
1478	1.7167%	1	1633	2.9802%	1
1112	1.5557%	1	1642	2.9865%	1
1027	1.5183%	1	1684	3.0013%	1
1043	1.5253%	1	1723	2.9816%	1
1504.4	1.7283%	1	1593.9	2.9527%	1
1520.5	1.7354%	1	1365	2.7917%	1
1484	1.7194%	1	1205	2.6791%	1

1441	1.7004%	1	1693	2.9967%	1
1190	1.5900%	1	1731	2.9776%	1
1228	1.6067%	1	1719	2.9836%	1
1624	1.7810%	1	1677	3.0048%	1
1625	1.7814%	1	1621	2.9717%	1
1661	1.7972%	1	1279	2.7312%	1
1725	1.8254%	1	1114	2.6151%	1
1656	1.7950%	1	1630	2.9781%	1
1358	1.6639%	1	1644	2.9879%	1
1142	1.5689%	1	1672	3.0073%	1
1496	1.7246%	1	1705.1	2.9906%	1
1379	1.6731%	1	1670	3.0062%	1
1469	1.7128%	1	1368	2.7938%	1
1502	1.7273%	1	1258	2.7164%	1
1458	1.7079%	1	1691	2.9977%	1
1161	1.5772%	1	1666	3.0034%	1
1035	1.5218%	1	1690.9	2.9978%	1
1495	1.7242%	1	1683	3.0018%	1
1634	1.7854%	1	1639	2.9844%	1
1741	1.8324%	1	1354	2.7839%	1
1652	1.7933%	1	1156	2.6447%	1
1659	1.7964%	1	1539.7	2.9146%	1
1374	1.6709%	1	1606	2.9612%	1
1241	1.6124%	1	1571	2.9366%	1
1725	1.8254%	1	1614	2.9668%	1
1509	1.7304%	1	1599	2.9563%	1
1547	1.7471%	1	1263.473481	2.7203%	1
1572	1.7581%	1	1099	2.6046%	1
1485	1.7198%	1	1593	2.9520%	1
1240	1.6120%	1	1619	2.9703%	1
1280	1.6296%	1	1593	2.9520%	1
1406	1.6850%	1	1613	2.9661%	1
1727	1.8263%	1	1603	2.9591%	1
1569	1.7568%	1	1138.3	2.6322%	1
1593	1.7673%	1	1054	2.5729%	1
1650	1.7924%	1	1467	2.8634%	1
1205	1.5966%	1	1495	2.8831%	1
1030	1.5196%	1	1484	2.8754%	1
1520	1.7352%	1	1454	2.8543%	1
1565	1.7550%	1	1187	2.6665%	1
1617	1.7779%	1	989	2.5272%	1
1666	1.7994%	1	1005	2.5385%	1
1796.6	1.8569%	1	1388	2.8079%	1
1463	1.7101%	1	1538	2.9134%	1
1181	1.5860%	1	1577	2.9408%	1
1715	1.8210%	1	1499	2.8859%	1
1652	1.7933%	1	1551.4	2.9228%	1
1722	1.8241%	1	1218	2.6883%	1
1789	1.8536%	1	1058	2.5758%	1
1883	1.8949%	1	1548	2.9204%	1
1464	1.7106%	1	1556.08	2.9261%	1
1345	1.6582%	1	1526	2.9049%	1
1807	1.8615%	1	1538	2.9134%	1
1692	1.8109%	1	1521	2.9014%	1
1747	1.8351%	1	1199	2.6749%	1

1801	1.8588%	1	1047	2.5680%	1
1936	1.9182%	1	1524	2.9035%	1
1589	1.7656%	1	1548	2.9204%	1
1189	1.5895%	1	1556	2.9260%	1
1553.6	1.7500%	1	1572.974908	2.9380%	1
1602	1.7713%	1	1568	2.9345%	1
1636	1.7862%	1	1223	2.6918%	1
1585	1.7638%	1	1015	2.5455%	1
1605	1.7726%	1	1468	2.8641%	1
1330	1.6516%	1	1521	2.9014%	1
1104	1.5521%	1	1543	2.9169%	1
1480	1.7176%	1	1510	2.8937%	1
1566	1.7554%	1	1497	2.8845%	1
1621	1.7796%	1	1559	2.9281%	1
1658	1.7959%	1	1623	2.9731%	1
1654	1.7942%	1	1655	2.9956%	1
1211	1.5992%	1	1703	2.9917%	1
1045	1.5262%	1	1580	2.9429%	1
1573	1.7585%	1	1293	2.7410%	1
1633	1.7849%	1	1131	2.6271%	1
1637	1.7867%	1	1577	2.9408%	1
1619	1.7788%	1	1578	2.9415%	1
1471	1.7136%	1	1566	2.9331%	1
1234	1.6093%	1	1623	2.9731%	1
1094	1.5477%	1	1600	2.9570%	1
1576	1.7598%	1	1294	2.7417%	1
1620	1.7792%	1	1078	2.5898%	1
1671	1.8016%	1	1635	2.9816%	1
1637	1.7867%	1	1671	3.0069%	1
1675	1.8034%	1	1665	3.0027%	1
1451	1.7048%	1	1654	2.9949%	1
1152	1.5733%	1	1570	2.9359%	1
1555	1.7506%	1	1217	2.6876%	1
1581	1.7620%	1	1144	2.6362%	1
1547	1.7471%	1	1575	2.9394%	1
1670	1.8012%	1	1611	2.9647%	1
1700	1.8144%	1	1599	2.9563%	1
1308	1.6419%	1	1122	2.6208%	1
1171	1.5816%	1	1177	2.6595%	1
1063	1.5341%	1	1125	2.6229%	1
1536	1.7422%	1	1128	2.6250%	1
1662	1.7977%	1	1674	3.0063%	1
1596	1.7686%	1	1746	2.9701%	1
1554	1.7502%	1	1756	2.9650%	1
1223	1.6045%	1	1690	2.9982%	1
1093	1.5473%	1	1630	2.9781%	1
1536	1.7422%	1	1296	2.7431%	1
1573	1.7585%	1	1156	2.6447%	1
1583	1.7629%	1	1707	2.9897%	1
1591	1.7664%	1	1739	2.9736%	1
1583	1.7629%	1	1715	2.9857%	1
1219	1.6027%	1	1678	3.0043%	1
1042	1.5249%	1	1704	2.9912%	1
1529	1.7392%	1	1407	2.8212%	1
1570	1.7572%	1	1188	2.6672%	1

1575	1.7594%	1	1708	2.9892%	1
1571	1.7576%	1	1714	2.9862%	1
1550	1.7484%	1	1715	2.9857%	1
1229	1.6071%	1	1769	2.9585%	1
1080	1.5416%	1	1776	2.9550%	1
1573	1.7585%	1	1515	2.8972%	1
1594.8	1.7681%	1	1301	2.7467%	1
1597	1.7691%	1	1776	2.9550%	1
1589	1.7656%	1	1907	2.8890%	1
1587	1.7647%	1	1870	2.9077%	1
1229.2	1.6072%	1	1714	2.9862%	1
1095.139865	1.5482%	1	1378	2.8008%	1
1603.327747	1.7719%	1	1221	2.6904%	1
1624	1.7810%	1	1205	2.6791%	1
1634	1.7854%	1	1515	2.8972%	1
1605	1.7726%	1	1615	2.9675%	1
1573	1.7585%	1	1550	2.9218%	1
1219	1.6027%	1	1459	2.8578%	1
1055	1.5306%	1	1244	2.7066%	1
1572	1.7581%	1	1295	2.7424%	1
1619	1.7788%	1	1396	2.8135%	1
1608	1.7739%	1	1251	2.7115%	1
1644	1.7898%	1	1895	2.8951%	1
1594	1.7678%	1	2003	2.8407%	1
1243	1.6133%	1	1960	2.8624%	1
1091	1.5464%	1	2012	2.8362%	1
1608	1.7739%	1	1949	2.8679%	1
1633	1.7849%	1	1598.302704	2.9558%	1
1630	1.7836%	1	1411	2.8240%	1
1641	1.7884%	1	1991	2.8468%	1
1599	1.7700%	1	1962	2.8614%	1
1318.554226	1.6466%	1	1962	2.8614%	1
1150	1.5724%	1	1954	2.8654%	1
1624	1.7810%	1	1896	2.8946%	1
1631	1.7840%	1	1451	2.8522%	1
1637	1.7867%	1	1286	2.7361%	1
1560	1.7528%	1	1782	2.9519%	1
1452	1.7053%	1	1889	2.8981%	1
1210	1.5988%	1	1861	2.9122%	1
1087	1.5447%	1	1853	2.9162%	1
1234	1.6093%	1	1811	2.9373%	1
1071	1.5376%	1	1458	2.8571%	1
1619	1.7788%	1	1256	2.7150%	1
1656	1.7950%	1	1820	2.9328%	1
1687	1.8087%	1	1909	2.8880%	1
1678	1.8047%	1	1807	2.9394%	1
1648	1.7915%	1	1840	2.9228%	1
1279	1.6291%	1	1804	2.9409%	1
1090	1.5460%	1	1448	2.8501%	1
1618	1.7783%	1	1261	2.7185%	1
1644	1.7898%	1	1782	2.9519%	1
1680.5	1.8058%	1	1800.88464	2.9424%	1
1675	1.8034%	1	1781	2.9524%	1
1650	1.7924%	1	1824	2.9308%	1
1278	1.6287%	1	1827	2.9293%	1

1091	1.5464%	1	1371	2.7959%	1
1649	1.7920%	1	1240	2.7038%	1
1694	1.8118%	1	1783	2.9514%	1
1674	1.8030%	1	1745	2.9706%	1
1668	1.8003%	1	1749	2.9686%	1
1666	1.7994%	1	1737	2.9746%	1
1290	1.6340%	1	1815	2.9353%	1
1103	1.5517%	1	1499	2.8859%	1
1646.2	1.7907%	1	1260	2.7178%	1
1652	1.7933%	1	1743	2.9716%	1
1680	1.8056%	1	1761	2.9625%	1
1683	1.8069%	1	1796	2.9449%	1
1645	1.7902%	1	1818	2.9338%	1
1229	1.6071%	1	1814.4	2.9356%	1
1131	1.5640%	1	1440	2.8444%	1
1146	1.5706%	1	1275	2.7284%	1
1662	1.7977%	1	1820	2.9328%	1
1694.8	1.8121%	1	1808	2.9389%	1
1650	1.7924%	1	1824	2.9308%	1
1612	1.7757%	1	1791	2.9474%	1
1304	1.6401%	1	1720	2.9831%	1
1385	1.6758%	1	1368	2.7938%	1
1828	1.8707%	1	1215	2.6862%	1
1824	1.8690%	1	1743	2.9716%	1
1817	1.8659%	1	1745	2.9706%	1
1913	1.9081%	1	1792	2.9469%	1
1825	1.8694%	1	1793.5	2.9462%	1
1473	1.7145%	1	1786	2.9499%	1
1222	1.6041%	1	1474	2.8683%	1
1667	1.7999%	1	1308	2.7516%	1
1602	1.7713%	1	1831	2.9273%	1
1626	1.7818%	1	1765.075676	2.9605%	1
1637	1.7867%	1	1788.805998	2.9485%	1
1610	1.7748%	1	1771	2.9575%	1
1310	1.6428%	1	1751	2.9675%	1
1130	1.5636%	1	1450	2.8515%	1
1689	1.8096%	1	1233	2.6988%	1
1786	1.8522%	1	1751	2.9675%	1
1863	1.8861%	1	1707	2.9897%	1
1842	1.8769%	1	1685	3.0008%	1
1843	1.8773%	1	1738	2.9741%	1
1531	1.7400%	1	1709	2.9887%	1
1381	1.6740%	1	1267.421696	2.7230%	1
1891	1.8984%	1	1194.500004	2.6718%	1
1663	1.7981%	1	1729	2.9786%	1
1686	1.8082%	1	1724	2.9811%	1
1726	1.8258%	1	1724	2.9811%	1
1647	1.7911%	1	1749	2.9686%	1
1331	1.6520%	1	1720	2.9831%	1
1453	1.7057%	1	1372.2	2.7967%	1
1574	1.7590%	1	1155.3	2.6442%	1
1908	1.9059%	1	1629	2.9774%	1
1733	1.8289%	1	1633	2.9802%	1
1766	1.8434%	1	1612	2.9654%	1
1810	1.8628%	1	1588	2.9485%	1

1321	1.6476%	1	1300	2.7460%	1
1141	1.5684%	1	1107	2.6102%	1
1707	1.8175%	1	1031	2.5568%	1
1738	1.8311%	1	1550	2.9218%	1
1758	1.8399%	1	1666.5	3.0037%	1
1856	1.8830%	1	1692	2.9972%	1
1999.3	1.9461%	1	1623	2.9731%	1
1569	1.7568%	1	1686	3.0003%	1
1298	1.6375%	1	1312	2.7544%	1
1891	1.8984%	1	1133	2.6285%	1
1807	1.8615%	1	1674	3.0063%	1
1875	1.8914%	1	1668	3.0048%	1
1961	1.9292%	1	1638	2.9837%	1
1986	1.9402%	1	1656	2.9964%	1
1643	1.7893%	1	1598	2.9556%	1
1507	1.7295%	1	1293	2.7410%	1
1946	1.9226%	1	1124	2.6222%	1
1904	1.9042%	1	1664	3.0020%	1
1952	1.9253%	1	1666	3.0034%	1
1959	1.9284%	1	1665	3.0027%	1
2129	2.0032%	1	1722	2.9821%	1
1687	1.8087%	1	1705	2.9907%	1
1281	1.6300%	1	1336	2.7713%	1
1733.9	1.8293%	1	1096	2.6025%	1
1753	1.8377%	1	1647	2.9900%	1
1784	1.8514%	1	1669	3.0055%	1
1737	1.8307%	1	1670	3.0062%	1
1745	1.8342%	1	1643	2.9872%	1
1442	1.7009%	1	1629	2.9774%	1
1185	1.5878%	1	1687	2.9998%	1
1645	1.7902%	1	1714	2.9862%	1
1719	1.8228%	1	1753	2.9665%	1
1763	1.8421%	1	1750	2.9680%	1
1799	1.8580%	1	1675	3.0058%	1
1831	1.8720%	1	1374	2.7980%	1
1306	1.6410%	1	1201	2.6763%	1
1116	1.5574%	1	1689	2.9987%	1
1734	1.8294%	1	1679	3.0038%	1
1794	1.8558%	1	1661	2.9999%	1
1771	1.8456%	1	1747	2.9696%	1
1748	1.8355%	1	1721	2.9826%	1
1657	1.7955%	1	1382	2.8036%	1
1349	1.6599%	1	1144	2.6362%	1
1177	1.5843%	1	1734	2.9761%	1
1729	1.8272%	1	1768	2.9590%	1
1758	1.8399%	1	1765	2.9605%	1
1802	1.8593%	1	1730	2.9781%	1
1799	1.8580%	1	1685	3.0008%	1
1835	1.8738%	1	1277	2.7298%	1
1566	1.7554%	1	1194	2.6714%	1
1231	1.6080%	1	1669	3.0055%	1
1699	1.8140%	1	1737	2.9746%	1
1724	1.8250%	1	1583	2.9450%	1
1725.791517	1.8257%	1	1188	2.6672%	1
1801	1.8588%	1	1238	2.7024%	1

1849	1.8800%	1	1210	2.6827%	1
1410	1.6868%	1	1183	2.6637%	1
1273	1.6265%	1	1779	2.9535%	1
1142	1.5689%	1	1835	2.9253%	1
1682	1.8065%	1	1847	2.9192%	1
1805	1.8606%	1	1814	2.9358%	1
1712	1.8197%	1	1769	2.9585%	1
1694	1.8118%	1	1408	2.8219%	1
1324	1.6489%	1	1245	2.7073%	1
1162	1.5777%	1	1834	2.9258%	1
1671	1.8016%	1	1845	2.9202%	1
1697	1.8131%	1	1794	2.9459%	1
1705	1.8166%	1	1814	2.9358%	1
1707	1.8175%	1	1830	2.9278%	1
1682	1.8065%	1	1497	2.8845%	1
1310	1.6428%	1	1268	2.7235%	1
1116	1.5574%	1	1846	2.9197%	1
1657	1.7955%	1	1854	2.9157%	1
1691	1.8104%	1	1844	2.9207%	1
1697	1.8131%	1	1897	2.8941%	1
1671	1.8016%	1	1922	2.8815%	1
1646	1.7906%	1	1611	2.9647%	1
1308	1.6419%	1	1394	2.8121%	1
1145	1.5702%	1	1920	2.8825%	1
1740	1.8320%	1	2030	2.8271%	1
1726	1.8258%	1	1985	2.8498%	1
1718	1.8223%	1	1822	2.9318%	1
1707	1.8175%	1	1474	2.8683%	1
1691	1.8104%	1	1309	2.7523%	1
1328	1.6507%	1	1275	2.7284%	1
1174.759735	1.5833%	1	1634	2.9809%	1
1722.452364	1.8243%	1	1727.5	2.9794%	1
1743	1.8333%	1	1661	2.9999%	1
1719	1.8228%	1	1561	2.9295%	1
1737	1.8307%	1	1331	2.7678%	1
1700	1.8144%	1	1340	2.7741%	1
1313	1.6441%	1	1480	2.8726%	1
1132	1.5645%	1	1326	2.7642%	1
1694	1.8118%	1	1902	2.8915%	1
1748	1.8355%	1	2009	2.8377%	1
1756	1.8390%	1	1958	2.8634%	1
1761	1.8412%	1	1999	2.8427%	1
1730	1.8276%	1	1947	2.8689%	1
1360	1.6648%	1	1666.295959	3.0036%	1
1165	1.5790%	1	1462	2.8599%	1
1760	1.8408%	1	1987	2.8488%	1
1774	1.8470%	1	1955	2.8649%	1
1759	1.8404%	1	1965	2.8598%	1
1780	1.8496%	1	1944	2.8704%	1
1729	1.8272%	1	1894	2.8956%	1
1437	1.6987%	1	1524	2.9035%	1
1227	1.6063%	1	1337	2.7720%	1
1757	1.8395%	1	1804	2.9409%	1
1729	1.8272%	1	1887	2.8991%	1
1752	1.8373%	1	1834	2.9258%	1

1676	1.8038%	1	1854	2.9157%	1
1647	1.7911%	1	1848	2.9187%	1
1303	1.6397%	1	1540	2.9148%	1
1181	1.5860%	1	1328	2.7657%	1
1300	1.6384%	1	1842	2.9217%	1
1141	1.5684%	1	1881	2.9021%	1
1670	1.8012%	1	1791	2.9474%	1
1683	1.8069%	1	1834	2.9258%	1
1725	1.8254%	1	1801	2.9424%	1
1712	1.8197%	1	1550	2.9218%	1
1681	1.8060%	1	1337	2.7720%	1
1352	1.6613%	1	1804.822285	2.9405%	1
1165	1.5790%	1	1807	2.9394%	1
1663	1.7981%	1	1794	2.9459%	1
1672	1.8021%	1	1828	2.9288%	1
1704.2	1.8162%	1	1837	2.9243%	1
1689	1.8096%	1	1449	2.8508%	1
1668	1.8003%	1	1316	2.7572%	1
1362	1.6657%	1	1804	2.9409%	1
1176	1.5838%	1	1702	2.9922%	1
1732	1.8285%	1	1749	2.9686%	1
1729	1.8272%	1	1737.219317	2.9745%	1
1688	1.8091%	1	1824	2.9308%	1
1696	1.8126%	1	1564	2.9316%	1
1708	1.8179%	1	1321	2.7607%	1
1366	1.6674%	1	1759	2.9635%	1
1170	1.5812%	1	1781	2.9524%	1
1690.3	1.8101%	1	1805	2.9404%	1
1700.5	1.8146%	1	1828.5	2.9285%	1
1704	1.8162%	1	1801	2.9424%	1
1726	1.8258%	1	1542.9	2.9168%	1
1712	1.8197%	1	1326	2.7642%	1
1356.645063	1.6633%	1	1811	2.9373%	1
1241	1.6124%	1	1805	2.9404%	1
1260	1.6208%	1	1810	2.9379%	1
1728	1.8267%	1	1787	2.9494%	1
1735.5	1.8300%	1	1754	2.9660%	1
1689	1.8096%	1	1495	2.8831%	1
1690	1.8100%	1	1285	2.7354%	1
1420	1.6912%	1	1766	2.9600%	1
1519	1.7348%	1	1759	2.9635%	1
1944	1.9218%	1	1800	2.9429%	1
1918	1.9103%	1	1797	2.9444%	1
1906.51	1.9053%	1	1808	2.9389%	1
2025	1.9574%	1	1565	2.9323%	1
1924	1.9130%	1	1357	2.7861%	1
1678	1.8047%	1	1850	2.9177%	1
1324	1.6489%	1	1801	2.9424%	1
1754	1.8382%	1	1762.920612	2.9615%	1
1642	1.7889%	1	1789	2.9484%	1
1695	1.8122%	1	1749	2.9686%	1
1695	1.8122%	1	1522	2.9021%	1
1706	1.8170%	1	1288	2.7375%	1
1398	1.6815%	1	1750	2.9680%	1
1236	1.6102%	1	1705	2.9907%	1

1794	1.8558%	1	1697	2.9947%	1
1917.420607	1.9101%	1	1753	2.9665%	1
1972	1.9341%	1	1713	2.9867%	1
1975	1.9354%	1	1467.193169	2.8636%	1
1983	1.9389%	1	1263	2.7199%	1
1670	1.8012%	1	1740	2.9731%	1
1530	1.7396%	1	1726	2.9801%	1
1983	1.9389%	1	1752	2.9670%	1
1742	1.8329%	1	1745	2.9706%	1
1743	1.8333%	1	1721	2.9826%	1
1816	1.8654%	1	1425	2.8339%	1
1765	1.8430%	1	1220	2.6897%	1
1474	1.7150%	1	1671	3.0069%	1
1613	1.7761%	1	1660	2.9992%	1
1756	1.8390%	1	1656	2.9964%	1
1987	1.9407%	1	1637	2.9830%	1
1828	1.8707%	1	1360	2.7882%	1
1873	1.8905%	1	1227.7	2.6951%	1
1918	1.9103%	1	1103	2.6074%	1
1425	1.6934%	1	1636	2.9823%	1
1237	1.6107%	1	1688.5	2.9990%	1
1800	1.8584%	1	1663	3.0013%	1
1820	1.8672%	1	1640	2.9851%	1
1840	1.8760%	1	1708	2.9892%	1
1982.793388	1.9388%	1	1382	2.8036%	1
2141	2.0084%	1	1208	2.6813%	1
1677	1.8043%	1	1636	2.9823%	1
1418	1.6903%	1	1664	3.0020%	1
1995	1.9442%	1	1667	3.0041%	1
1918	1.9103%	1	1664	3.0020%	1
1973	1.9345%	1	1681	3.0028%	1
2106	1.9930%	1	1406	2.8205%	1
2248	2.0555%	1	1202	2.6770%	1
1831	1.8720%	1	1670	3.0062%	1
1660	1.7968%	1	1676	3.0053%	1
2033	1.9609%	1	1681	3.0028%	1
2015	1.9530%	1	1729	2.9786%	1
2085	1.9838%	1	1727	2.9796%	1
2067	1.9759%	1	1402	2.8177%	1
2286	2.0722%	1	1165	2.6510%	1
1788	1.8531%	1	1668.96	3.0055%	1
1392	1.6789%	1	1669	3.0055%	1
1792.7	1.8552%	1	1679	3.0038%	1
1859	1.8844%	1	1669	3.0055%	1
1886	1.8962%	1	1631	2.9788%	1
1834	1.8734%	1	1701	2.9927%	1
1858	1.8839%	1	1734	2.9761%	1
1561	1.7532%	1	1767.6	2.9592%	1
1270	1.6252%	1	1751	2.9675%	1
1727	1.8263%	1	1676	3.0053%	1
1823	1.8685%	1	1452	2.8529%	1
1864	1.8866%	1	1256	2.7150%	1
1876	1.8918%	1	1712	2.9872%	1
1916	1.9094%	1	1697	2.9947%	1
1420	1.6912%	1	1693	2.9967%	1

1220	1.6032%	1	1735	2.9756%	1
1824	1.8690%	1	1723.5	2.9814%	1
1916	1.9094%	1	1451	2.8522%	1
1851	1.8808%	1	1228	2.6953%	1
1813	1.8641%	1	1752	2.9670%	1
1760	1.8408%	1	1746	2.9701%	1
1467	1.7119%	1	1753	2.9665%	1
1262	1.6217%	1	1732	2.9771%	1
1821	1.8676%	1	1674	3.0063%	1
1836	1.8742%	1	1351	2.7818%	1
1863	1.8861%	1	1116	2.6165%	1
1882	1.8945%	1	1625	2.9745%	1
1933	1.9169%	1	1739	2.9736%	1
1741	1.8324%	1	1711.5	2.9874%	1
1327	1.6503%	1	1257	2.7157%	1
1748	1.8355%	1	1305	2.7495%	1
1761	1.8412%	1	1294	2.7417%	1
1777	1.8483%	1	1243	2.7059%	1
1866	1.8874%	1	1796	2.9449%	1
1938	1.9191%	1	1824	2.9308%	1
1541	1.7444%	1	1816	2.9348%	1
1382	1.6745%	1	1791	2.9474%	1
1261	1.6212%	1	1756	2.9650%	1
1765	1.8430%	1	1507	2.8916%	1
1843	1.8773%	1	1319	2.7593%	1
1757	1.8395%	1	1833	2.9263%	1
1730	1.8276%	1	1826	2.9298%	1
1420	1.6912%	1	1790	2.9479%	1
1250	1.6164%	1	1798	2.9439%	1
1721	1.8236%	1	1791	2.9474%	1
1718	1.8223%	1	1560	2.9288%	1
1713	1.8201%	1	1316	2.7572%	1
1738	1.8311%	1	1856	2.9147%	1
1709	1.8184%	1	1831	2.9273%	1
1409	1.6863%	1	1843	2.9212%	1
1198	1.5935%	1	1889	2.8981%	1
1721	1.8236%	1	1927	2.8790%	1
1711	1.8192%	1	1672	3.0073%	1
1705	1.8166%	1	1475	2.8690%	1
1718	1.8223%	1	1918	2.8835%	1
1684	1.8074%	1	2009	2.8377%	1
1410	1.6868%	1	1985	2.8498%	1
1228	1.6067%	1	1875	2.9051%	1
1783	1.8509%	1	1545	2.9183%	1
1768	1.8443%	1	1384	2.8050%	1
1719	1.8228%	1	1323	2.7621%	1
1735	1.8298%	1	1679	3.0038%	1
1711	1.8192%	1	1774	2.9560%	1
1434.8	1.6977%	1	1710	2.9882%	1
1251.653485	1.6171%	1	1606	2.9612%	1
1755.234763	1.8387%	1	1386	2.8064%	1
1752.7	1.8376%	1	1410	2.8233%	1
1723	1.8245%	1	1542	2.9162%	1
1764	1.8426%	1	1371	2.7959%	1
1720	1.8232%	1	1897	2.8941%	1

1413	1.6881%	1	2009	2.8377%	1
1215	1.6010%	1	1948	2.8684%	1
1728	1.8267%	1	1989	2.8478%	1
1744	1.8338%	1	1932	2.8764%	1
1765	1.8430%	1	1698	2.9942%	1
1761	1.8412%	1	1487	2.8775%	1
1708	1.8179%	1	2009	2.8377%	1
1450	1.7044%	1	1947	2.8689%	1
1241	1.6124%	1	1961	2.8619%	1
1774	1.8470%	1	1931	2.8770%	1
1754	1.8382%	1	1893	2.8961%	1
1746	1.8346%	1	1553	2.9239%	1
1744	1.8338%	1	1380	2.8022%	1
1728	1.8267%	1	1844	2.9207%	1
1513	1.7321%	1	1863	2.9112%	1
1290	1.6340%	1	1851	2.9172%	1
1754	1.8382%	1	1835	2.9253%	1
1725	1.8254%	1	1842	2.9217%	1
1731	1.8280%	1	1605	2.9605%	1
1704	1.8162%	1	1361	2.7889%	1
1695	1.8122%	1	1842	2.9217%	1
1359	1.6643%	1	1852	2.9167%	1
1229	1.6071%	1	1777	2.9545%	1
1332	1.6525%	1	1822	2.9318%	1
1186	1.5882%	1	1775	2.9555%	1
1675	1.8034%	1	1552	2.9232%	1
1696	1.8126%	1	1373	2.7973%	1
1730	1.8276%	1	1797.172574	2.9443%	1
1719	1.8228%	1	1781.112931	2.9524%	1
1682	1.8065%	1	1765	2.9605%	1
1396	1.6806%	1	1826	2.9298%	1
1193	1.5913%	1	1817	2.9343%	1
1656	1.7950%	1	1480	2.8726%	1
1667	1.7999%	1	1353	2.7832%	1
1704	1.8162%	1	1790	2.9479%	1
1694	1.8118%	1	1786	2.9499%	1
1666	1.7994%	1	1737	2.9746%	1
1392	1.6789%	1	1739.563315	2.9733%	1
1230	1.6076%	1	1815.043298	2.9353%	1
1751	1.8368%	1	1598	2.9556%	1
1730	1.8276%	1	1349	2.7804%	1
1688	1.8091%	1	1766	2.9600%	1
1714	1.8206%	1	1768	2.9590%	1
1722	1.8241%	1	1779	2.9535%	1
1417	1.6899%	1	1811.5	2.9371%	1
1247	1.6151%	1	1783	2.9514%	1
1703.3	1.8158%	1	1581.5	2.9440%	1
1718	1.8223%	1	1355	2.7846%	1
1699	1.8140%	1	1795	2.9454%	1
1728	1.8267%	1	1785	2.9504%	1
1745	1.8342%	1	1797	2.9444%	1
1433.758156	1.6972%	1	1768	2.9590%	1
1326	1.6498%	1	1730	2.9781%	1
1326	1.6498%	1	1513	2.8958%	1
1812	1.8637%	1	1330	2.7671%	1

1728.5	1.8269%	1	1769	2.9585%	1
1736	1.8302%	1	1756	2.9650%	1
1698	1.8135%	1	1793	2.9464%	1
1495	1.7242%	1	1792	2.9469%	1
1642	1.7889%	1	1800	2.9429%	1
1996	1.9446%	1	1604	2.9598%	1
2014	1.9526%	1	1375	2.7987%	1
1993.25	1.9434%	1	1857	2.9142%	1
2129	2.0032%	1	1821	2.9323%	1
2035	1.9618%	1	1740	2.9731%	1
1589	1.7656%	1	1760	2.9630%	1
1377	1.6723%	1	1729	2.9786%	1
1789	1.8536%	1	1533	2.9098%	1
1706	1.8170%	1	1302	2.7474%	1
1722	1.8241%	1	1748	2.9691%	1
1724	1.8250%	1	1670	3.0062%	1
1716	1.8214%	1	1675	3.0058%	1
1474	1.7150%	1	1743	2.9716%	1
1303	1.6397%	1	1694	2.9962%	1
1872	1.8901%	1	1476	2.8698%	1
1992	1.9429%	1	1294	2.7417%	1
2015	1.9530%	1	1728	2.9791%	1
2054	1.9702%	1	1710	2.9882%	1
2073	1.9785%	1	1696	2.9952%	1
1803	1.8597%	1	1746	2.9701%	1
1673	1.8025%	1	1714	2.9862%	1
2031	1.9600%	1	1437	2.8423%	1
1767	1.8439%	1	1259	2.7171%	1
1784	1.8514%	1	1667	3.0041%	1
1816.517683	1.8657%	1	1658	2.9978%	1
1824	1.8690%	1	1627	2.9760%	1
1579	1.7612%	1	1634	2.9809%	1
1747	1.8351%	1	1367	2.7931%	1
1894	1.8998%	1	1302	2.7474%	1
2033	1.9609%	1	1148	2.6391%	1
1920	1.9112%	1	1658	2.9978%	1
1941	1.9204%	1	1681	3.0028%	1
1990	1.9420%	1	1689	2.9987%	1
1500	1.7264%	1	1638	2.9837%	1
1323	1.6485%	1	1710	2.9882%	1
1878	1.8927%	1	1415	2.8268%	1
1882	1.8945%	1	1274	2.7277%	1
1899	1.9020%	1	1706.779713	2.9898%	1
2074	1.9790%	1	1659	2.9985%	1
2267	2.0639%	1	1665.164289	3.0028%	1
1762	1.8417%	1	1659	2.9985%	1
1517	1.7339%	1	1659	2.9985%	1
2066	1.9754%	1	1439	2.8437%	1
1988	1.9411%	1	1231	2.6974%	1
2026	1.9578%	1	1668	3.0048%	1
2202	2.0353%	1	1649	2.9914%	1
2334	2.0934%	1	1675	3.0058%	1
1986	1.9402%	1	1733	2.9766%	1
1819	1.8668%	1	1722	2.9821%	1
2088	1.9851%	1	1408	2.8219%	1

2096	1.9886%	1	1185	2.6651%	1
2191	2.0304%	1	1720	2.9831%	1
2165	2.0190%	1	1666.003345	3.0034%	1
2410	2.1268%	1	1677	3.0048%	1
1902	1.9033%	1	1655	2.9956%	1
1462	1.7097%	1	1627	2.9760%	1
1898	1.9015%	1	1698	2.9942%	1
1922	1.9121%	1	1715	2.9857%	1
1939	1.9196%	1	1731.2	2.9775%	1
1882.972285	1.8949%	1	1737	2.9746%	1
1920	1.9112%	1	1684	3.0013%	1
1630	1.7836%	1	1469	2.8648%	1
1308	1.6419%	1	1271	2.7256%	1
1787	1.8527%	1	1704	2.9912%	1
1894	1.8998%	1	1697	2.9947%	1
1930	1.9156%	1	1688	2.9993%	1
1909	1.9064%	1	1763	2.9615%	1
1963	1.9301%	1	1697	2.9947%	1
1482	1.7185%	1	1480	2.8726%	1
1289	1.6335%	1	1235	2.7002%	1
1858	1.8839%	1	1744	2.9711%	1
1974	1.9350%	1	1742	2.9721%	1
1865	1.8870%	1	1739	2.9736%	1
1860	1.8848%	1	1721	2.9826%	1
1819	1.8668%	1	1657	2.9971%	1
1507	1.7295%	1	1386	2.8064%	1
1325	1.6494%	1	1284	2.7347%	1
1876	1.8918%	1	1680	3.0033%	1
1857	1.8835%	1	1738	2.9741%	1
1916	1.9094%	1	1707.2	2.9896%	1
1934	1.9174%	1	1290	2.7389%	1
2011	1.9512%	1	1341	2.7748%	1
1869	1.8888%	1	1336	2.7713%	1
1387	1.6767%	1	1273	2.7270%	1
1786	1.8522%	1	1783	2.9514%	1
1788	1.8531%	1	1815	2.9353%	1
1827	1.8703%	1	1805	2.9404%	1
1925	1.9134%	1	1769	2.9585%	1
1997	1.9451%	1	1748	2.9691%	1
1658	1.7959%	1	1552	2.9232%	1
1482	1.7185%	1	1363	2.7903%	1
1332	1.6525%	1	1817	2.9343%	1
1804	1.8602%	1	1796	2.9449%	1
1881	1.8940%	1	1760	2.9630%	1
1772	1.8461%	1	1789	2.9484%	1
1729	1.8272%	1	1787	2.9494%	1
1453	1.7057%	1	1576	2.9401%	1
1292	1.6349%	1	1346	2.7783%	1
1739	1.8316%	1	1850	2.9177%	1
1737.6	1.8309%	1	1824	2.9308%	1
1713	1.8201%	1	1835	2.9253%	1
1745	1.8342%	1	1915	2.8850%	1
1724	1.8250%	1	1883	2.9011%	1
1454	1.7062%	1	1680	3.0033%	1
1249	1.6159%	1	1535	2.9112%	1

1729	1.8272%	1
1709	1.8184%	1
1710	1.8188%	1
1728	1.8267%	1
1680	1.8056%	1
1442	1.7009%	1
1276	1.6278%	1
1790	1.8540%	1
1769.3	1.8449%	1
1727	1.8263%	1
1724	1.8250%	1
1698	1.8135%	1
1468.5	1.7125%	1
1300.359827	1.6385%	1
1738.975012	1.8315%	1
1743	1.8333%	1
1729	1.8272%	1
1744	1.8338%	1
1715	1.8210%	1
1433	1.6969%	1
1249	1.6159%	1
1749	1.8360%	1
1726	1.8258%	1
1753	1.8377%	1
1742	1.8329%	1
1720	1.8232%	1
1486	1.7202%	1
1283	1.6309%	1
1774	1.8470%	1
1728	1.8267%	1
1737	1.8307%	1
1704	1.8162%	1
1728	1.8267%	1
1551	1.7488%	1
1307	1.6415%	1
1736	1.8302%	1
1715	1.8210%	1
1717	1.8219%	1
1704	1.8162%	1
1690	1.8100%	1
1410	1.6868%	1
1232	1.6085%	1
1320	1.6472%	1
1177	1.5843%	1
1696	1.8126%	1
1705	1.8166%	1
1748	1.8355%	1
1717	1.8219%	1
1687	1.8087%	1
1374	1.6709%	1
1194	1.5917%	1
1687	1.8087%	1
1690	1.8100%	1
1719	1.8228%	1
1680.688487	1.8059%	1

1921	2.8820%	1
1996	2.8442%	1
1955	2.8649%	1
1880	2.9026%	1
1573	2.9380%	1
1406	2.8205%	1
1371	2.7959%	1
1726	2.9801%	1
1801	2.9424%	1
1723	2.9816%	1
1623	2.9731%	1
1405	2.8198%	1
1430	2.8374%	1
1589	2.9492%	1
1410	2.8233%	1
1904	2.8905%	1
1983	2.8508%	1
1942	2.8714%	1
1976	2.8543%	1
1923.912458	2.8805%	1
1686	3.0003%	1
1497	2.8845%	1
2004	2.8402%	1
1951	2.8669%	1
1922	2.8815%	1
1922	2.8815%	1
1884	2.9006%	1
1524	2.9035%	1
1371	2.7959%	1
1851	2.9172%	1
1839	2.9233%	1
1826	2.9298%	1
1854	2.9157%	1
1849	2.9182%	1
1627	2.9760%	1
1374	2.7980%	1
1830	2.9278%	1
1845	2.9202%	1
1793	2.9464%	1
1826	2.9298%	1
1769	2.9585%	1
1522	2.9021%	1
1375	2.7987%	1
1768.46223	2.9588%	1
1789.03499	2.9484%	1
1771	2.9575%	1
1809	2.9384%	1
1825	2.9303%	1
1470	2.8655%	1
1320	2.7600%	1
1816	2.9348%	1
1750	2.9680%	1
1729	2.9786%	1
1767	2.9595%	1
1821	2.9323%	1

1663	1.7981%	1	1570	2.9359%	1
1394	1.6797%	1	1335	2.7706%	1
1244	1.6137%	1	1766	2.9600%	1
1784	1.8514%	1	1784	2.9509%	1
1727	1.8263%	1	1770	2.9580%	1
1697	1.8131%	1	1796	2.9449%	1
1730	1.8276%	1	1766	2.9600%	1
1740	1.8320%	1	1543	2.9169%	1
1408	1.6859%	1	1349	2.7804%	1
1245	1.6142%	1	1786	2.9499%	1
1729.3	1.8273%	1	1781	2.9524%	1
1714	1.8206%	1	1827	2.9293%	1
1718	1.8223%	1	1762	2.9620%	1
1758	1.8399%	1	1719	2.9836%	1
1771	1.8456%	1	1522	2.9021%	1
1471	1.7136%	1	1342	2.7755%	1
1380	1.6736%	1	1791	2.9474%	1
1376	1.6718%	1	1762	2.9620%	1
1777.2	1.8484%	1	1785	2.9504%	1
1763.5	1.8423%	1	1794	2.9459%	1
1750	1.8364%	1	1794	2.9459%	1
1736	1.8302%	1	1583	2.9450%	1
1556	1.7510%	1	1363	2.7903%	1
1710	1.8188%	1	1846.882208	2.9193%	1
2043	1.9653%	1	1837	2.9243%	1
2118	1.9983%	1	1736	2.9751%	1
2049.86	1.9683%	1	1773	2.9565%	1
2220	2.0432%	1	1707	2.9897%	1
2100	1.9904%	1	1489	2.8789%	1
1712	1.8197%	1	1293	2.7410%	1
1403	1.6837%	1	1723	2.9816%	1
1813	1.8641%	1	1693	2.9967%	1
1737	1.8307%	1	1679	3.0038%	1
1738	1.8311%	1	1736	2.9751%	1
1721	1.8236%	1	1696	2.9952%	1
1763	1.8421%	1	1423	2.8325%	1
1487	1.7207%	1	1307	2.7509%	1
1338	1.6551%	1	1738	2.9741%	1
1926	1.9138%	1	1705	2.9907%	1
2087	1.9847%	1	1704	2.9912%	1
2063	1.9741%	1	1745	2.9706%	1
2137	2.0067%	1	1698	2.9942%	1
2153	2.0137%	1	1409	2.8226%	1
1862	1.8857%	1	1270	2.7249%	1
1768	1.8443%	1	1662	3.0006%	1
2083	1.9829%	1	1652	2.9935%	1
1805	1.8606%	1	1659	2.9985%	1
1809	1.8624%	1	1640	2.9851%	1
1914.961836	1.9090%	1	1377	2.8001%	1
1784.419587	1.8515%	1	1329	2.7664%	1
1623	1.7805%	1	1114	2.6151%	1
1825	1.8694%	1	1692	2.9972%	1
1999	1.9460%	1	1722	2.9821%	1
2069	1.9768%	1	1695	2.9957%	1
1852	1.8813%	1	1651	2.9928%	1

2000	1.9464%	1	1705	2.9907%	1
2017	1.9539%	1	1401	2.8170%	1
1527	1.7383%	1	1284	2.7347%	1
1367	1.6679%	1	1685	3.0008%	1
1931	1.9160%	1	1670.3	3.0064%	1
1933	1.9169%	1	1660.844059	2.9998%	1
1978	1.9367%	1	1666	3.0034%	1
2190	2.0300%	1	1669	3.0055%	1
2363	2.1061%	1	1425	2.8339%	1
1797	1.8571%	1	1234	2.6995%	1
1569	1.7568%	1	1677	3.0048%	1
2126	2.0018%	1	1673	3.0068%	1
2041	1.9644%	1	1689	2.9987%	1
2079	1.9812%	1	1751	2.9675%	1
2310	2.0828%	1	1714	2.9862%	1
2451	2.1448%	1	1401	2.8170%	1
2079	1.9812%	1	1178	2.6602%	1
1923	1.9125%	1	1679	3.0038%	1
2149	2.0120%	1	1680	3.0033%	1
2156	2.0150%	1	1702	2.9922%	1
2273	2.0665%	1	1659	2.9985%	1
2261	2.0612%	1	1645	2.9886%	1
2492	2.1629%	1	1716	2.9852%	1
1947	1.9231%	1	1749	2.9686%	1
1512	1.7317%	1	1731	2.9776%	1
1945.8	1.9226%	1	1718	2.9842%	1
1975	1.9354%	1	1687	2.9998%	1
1984	1.9394%	1	1449	2.8508%	1
1940	1.9200%	1	1263	2.7199%	1
1949	1.9240%	1	1713	2.9867%	1
1651	1.7928%	1	1710	2.9882%	1
1342	1.6569%	1	1699	2.9937%	1
1828	1.8707%	1	1744	2.9711%	1
1935	1.9178%	1	1696	2.9952%	1
1993	1.9433%	1	1436	2.8416%	1
1952	1.9253%	1	1217	2.6876%	1
1975	1.9354%	1	1734	2.9761%	1
1504	1.7282%	1	1729	2.9786%	1
1349	1.6599%	1	1722	2.9821%	1
1897	1.9011%	1	1700	2.9932%	1
2027	1.9583%	1	1675	3.0058%	1
1905	1.9046%	1	1377	2.8001%	1
1894	1.8998%	1	1279	2.7312%	1
1862	1.8857%	1	1665	3.0027%	1
1541	1.7444%	1	1765	2.9605%	1
1375	1.6714%	1	1697.5	2.9945%	1
1916	1.9094%	1	1308	2.7516%	1
1909	1.9064%	1	1346	2.7783%	1
1957	1.9275%	1	1329	2.7664%	1
1993	1.9433%	1	1272	2.7263%	1
2093	1.9873%	1	1782	2.9519%	1
1929	1.9152%	1	1807	2.9394%	1
1425	1.6934%	1	1802	2.9419%	1
1833	1.8729%	1	1770	2.9580%	1
1834	1.8734%	1	1758	2.9640%	1

1859.878193	1.8847%	1	1528	2.9063%	1
1996	1.9446%	1	1379	2.8015%	1
2094	1.9878%	1	1813	2.9363%	1
1750	1.8364%	1	1793	2.9464%	1
1565	1.7550%	1	1748	2.9691%	1
1382	1.6745%	1	1804	2.9409%	1
1849	1.8800%	1	1770	2.9580%	1
1914	1.9086%	1	1565	2.9323%	1
1778	1.8487%	1	1353	2.7832%	1
1748	1.8355%	1	1838	2.9238%	1
1462	1.7097%	1	1814	2.9358%	1
1316	1.6454%	1	1831	2.9273%	1
1763	1.8421%	1	1837	2.9243%	1
1759	1.8404%	1	1875	2.9051%	1
1746	1.8346%	1	1667	3.0041%	1
1769	1.8448%	1	1538	2.9134%	1
1743	1.8333%	1	1931	2.8770%	1
1459	1.7084%	1	1997	2.8437%	1
1273	1.6265%	1	1932	2.8764%	1
1724	1.8250%	1	1873	2.9061%	1
1720	1.8232%	1	1549	2.9211%	1
1720	1.8232%	1	1390	2.8093%	1
1755	1.8386%	1	1390	2.8093%	1
1692	1.8109%	1	1723	2.9816%	1
1431	1.6960%	1	1809	2.9384%	1
1289	1.6335%	1	1719	2.9836%	1
1810	1.8628%	1	1627	2.9760%	1
1785.8	1.8521%	1	1425	2.8339%	1
1751	1.8368%	1	1421	2.8311%	1
1723	1.8245%	1	1603	2.9591%	1
1702	1.8153%	1	1428	2.8360%	1
1471.4	1.7138%	1	1882	2.9016%	1
1309.778525	1.6427%	1	1974	2.8553%	1
1753.524595	1.8379%	1	1916	2.8845%	1
1745.7	1.8345%	1	1966	2.8593%	1
1723	1.8245%	1	1912	2.8865%	1
1765	1.8430%	1	1664	3.0020%	1
1742	1.8329%	1	1493	2.8817%	1
1436	1.6982%	1	1987	2.8488%	1
1275	1.6274%	1	1933	2.8759%	1
1761	1.8412%	1	1927	2.8790%	1
1751	1.8368%	1	1907	2.8890%	1
1756	1.8390%	1	1847	2.9192%	1
1732	1.8285%	1	1497	2.8845%	1
1720	1.8232%	1	1380	2.8022%	1
1484	1.7194%	1	1831	2.9273%	1
1295	1.6362%	1	1821	2.9323%	1
1768	1.8443%	1	1807	2.9394%	1
1716	1.8214%	1	1808	2.9389%	1
1743	1.8333%	1	1831	2.9273%	1
1742	1.8329%	1	1624	2.9738%	1
1723	1.8245%	1	1367	2.7931%	1
1525	1.7374%	1	1813	2.9363%	1
1298	1.6375%	1	1804	2.9409%	1
1737	1.8307%	1	1775	2.9555%	1

1705	1.8166%	1	1805	2.9404%	1
1706	1.8170%	1	1722	2.9821%	1
1718	1.8223%	1	1500	2.8866%	1
1703	1.8157%	1	1376	2.7994%	1
1408	1.6859%	1	1801	2.9424%	1
1238	1.6111%	1	1758.466881	2.9638%	1
1304	1.6401%	1	1758	2.9640%	1
1190	1.5900%	1	1797	2.9444%	1
1701	1.8148%	1	1805	2.9404%	1
1699	1.8140%	1	1438	2.8430%	1
1732	1.8285%	1	1347	2.7790%	1
1767	1.8439%	1	1808	2.9389%	1
1673	1.8025%	1	1707	2.9897%	1
1356	1.6630%	1	1715	2.9857%	1
1168	1.5803%	1	1751	2.9675%	1
1674	1.8030%	1	1783	2.9514%	1
1689	1.8096%	1	1532	2.9091%	1
1703	1.8157%	1	1320	2.7600%	1
1687	1.8087%	1	1724	2.9811%	1
1650	1.7924%	1	1784	2.9509%	1
1371	1.6696%	1	1758	2.9640%	1
1249	1.6159%	1	1770	2.9580%	1
1770	1.8452%	1	1737	2.9746%	1
1714	1.8206%	1	1492	2.8810%	1
1711	1.8192%	1	1332	2.7685%	1
1730	1.8276%	1	1755	2.9655%	1
1714.4	1.8207%	1	1778	2.9540%	1
1390	1.6780%	1	1806	2.9399%	1
1273	1.6265%	1	1737	2.9746%	1
1712	1.8197%	1	1706	2.9902%	1
1691	1.8104%	1	1489	2.8789%	1
1723	1.8245%	1	1343	2.7762%	1
1747	1.8351%	1	1759	2.9635%	1
1779	1.8492%	1	1764	2.9610%	1
1476	1.7158%	1	1760	2.9630%	1
1389	1.6775%	1	1794	2.9459%	1
1392	1.6789%	1	1784	2.9509%	1
1794	1.8558%	1	1552	2.9232%	1
1764.3	1.8427%	1	1355	2.7846%	1
1756	1.8390%	1	1832	2.9268%	1
1737	1.8307%	1	1802.191866	2.9418%	1
1571	1.7576%	1	1719.24504	2.9835%	1
1755	1.8386%	1	1746	2.9701%	1
2079	1.9812%	1	1681	3.0028%	1
2144	2.0098%	1	1458	2.8571%	1
2088.38	1.9853%	1	1266	2.7220%	1
2274	2.0670%	1	1712.8	2.9868%	1
2158	2.0159%	1	1663	3.0013%	1
1710	1.8188%	1	1664	3.0020%	1
1398	1.6815%	1	1708	2.9892%	1
1838	1.8751%	1	1647	2.9900%	1
1732	1.8285%	1	1425	2.8339%	1
1754	1.8382%	1	1288.911711	2.7382%	1
1751	1.8368%	1	1717	2.9847%	1
1762	1.8417%	1	1680	3.0033%	1

1478	1.7167%	1	1677	3.0048%	1
1358	1.6639%	1	1732	2.9771%	1
1973	1.9345%	1	1664	3.0020%	1
2145	2.0102%	1	1371	2.7959%	1
2088	1.9851%	1	1294	2.7417%	1
2182	2.0265%	1	1656	2.9964%	1
2209	2.0384%	1	1653	2.9942%	1
1909	1.9064%	1	1648	2.9907%	1
1832	1.8725%	1	1637	2.9830%	1
2096	1.9886%	1	1370	2.7952%	1
1822	1.8681%	1	1311	2.7537%	1
1827	1.8703%	1	1113	2.6144%	1
1949.174473	1.9240%	1	1709	2.9887%	1
1999.257063	1.9461%	1	1714	2.9862%	1
1636	1.7862%	1	1654	2.9949%	1
1874	1.8910%	1	1639	2.9844%	1
2058	1.9719%	1	1677	3.0048%	1
2120	1.9992%	1	1371	2.7959%	1
2034	1.9614%	1	1285	2.7354%	1
2033	1.9609%	1	1670	3.0062%	1
2047	1.9671%	1	1633.5	2.9805%	1
1516	1.7334%	1	1637	2.9830%	1
1397	1.6811%	1	1647	2.9900%	1
1980	1.9376%	1	1651	2.9928%	1
1976	1.9358%	1	1399	2.8156%	1
2042	1.9649%	1	1235	2.7002%	1
2280	2.0696%	1	1658	2.9978%	1
2429	2.1352%	1	1665	3.0027%	1
1808	1.8619%	1	1666	3.0034%	1
1603	1.7717%	1	1744	2.9711%	1
2074	1.9790%	1	1690	2.9982%	1
2104	1.9922%	1	1349	2.7804%	1
2140	2.0080%	1	1182	2.6630%	1
2390	2.1180%	1	1675	3.0058%	1
2510	2.1708%	1	1687	2.9998%	1
2143	2.0093%	1	1663	3.0013%	1
2015	1.9530%	1	1653	2.9942%	1
2202	2.0353%	1	1631	2.9788%	1
2212	2.0397%	1	1716	2.9852%	1
2331	2.0920%	1	1721	2.9826%	1
2331	2.0920%	1	1716	2.9852%	1
2449	2.1440%	1	1702	2.9922%	1
1962	1.9297%	1	1654	2.9949%	1
1548	1.7475%	1	1421	2.8311%	1
1944	1.9218%	1	1254	2.7136%	1
1993	1.9433%	1	1707	2.9897%	1
2011	1.9512%	1	1710	2.9882%	1
1971	1.9336%	1	1709	2.9887%	1
1996	1.9446%	1	1722	2.9821%	1
1635	1.7858%	1	1683.2	3.0017%	1
1355	1.6626%	1	1412	2.8247%	1
1849	1.8800%	1	1239	2.7031%	1
1965	1.9310%	1	1738	2.9741%	1
2018	1.9543%	1	1718	2.9842%	1
1969	1.9328%	1	1709	2.9887%	1

1949	1.9240%	1	1691	2.9977%	1
1494	1.7238%	1	1653	2.9942%	1
1375	1.6714%	1	1364	2.7910%	1
1920	1.9112%	1	1265	2.7213%	1
2051	1.9688%	1	1669	3.0055%	1
1921	1.9116%	1	1735	2.9756%	1
1912	1.9077%	1	1669	3.0055%	1
1870	1.8892%	1	1274	2.7277%	1
1540	1.7440%	1	1334	2.7699%	1
1394	1.6797%	1	1308	2.7516%	1
1936	1.9182%	1	1281	2.7326%	1
1924	1.9130%	1	1763	2.9615%	1
1990	1.9420%	1	1780	2.9529%	1
2030	1.9596%	1	1789	2.9484%	1
2148	2.0115%	1	1766.1	2.9599%	1
1968	1.9323%	1	1724	2.9811%	1
1443	1.7013%	1	1517	2.8986%	1
1825	1.8694%	1	1393	2.8114%	1
1831	1.8720%	1	1794	2.9459%	1
1914.289623	1.9087%	1	1764	2.9610%	1
2044	1.9658%	1	1717	2.9847%	1
2162	2.0177%	1	1793	2.9464%	1
1810	1.8628%	1	1758	2.9640%	1
1608	1.7739%	1	1521	2.9014%	1
1380	1.6736%	1	1351	2.7818%	1
1866	1.8874%	1	1821	2.9323%	1
1922	1.9121%	1	1804	2.9409%	1
1778	1.8487%	1	1819	2.9333%	1
1747	1.8351%	1	1834	2.9258%	1
1454	1.7062%	1	1846	2.9197%	1
1353	1.6617%	1	1615	2.9675%	1
1756	1.8390%	1	1531	2.9084%	1
1749.6	1.8362%	1	1927	2.8790%	1
1742	1.8329%	1	1960	2.8624%	1
1780	1.8496%	1	1907	2.8890%	1
1728	1.8267%	1	1839	2.9233%	1
1433	1.6969%	1	1505	2.8901%	1
1300	1.6384%	1	1354	2.7839%	1
1737	1.8307%	1	1388	2.8079%	1
1697	1.8131%	1	1727	2.9796%	1
1723	1.8245%	1	1790	2.9479%	1
1767	1.8439%	1	1692	2.9972%	1
1673	1.8025%	1	1611	2.9647%	1
1409	1.6863%	1	1410	2.8233%	1
1321	1.6476%	1	1434	2.8402%	1
1797	1.8571%	1	1582	2.9443%	1
1780	1.8496%	1	1425	2.8339%	1
1703	1.8157%	1	1839	2.9233%	1
1722.2	1.8242%	1	1948	2.8684%	1
1689	1.8096%	1	1863	2.9112%	1
1436.5	1.6985%	1	1904	2.8905%	1
1330.036364	1.6516%	1	1868	2.9087%	1
1720.880073	1.8236%	1	1609	2.9633%	1
1729.4	1.8273%	1	1491	2.8803%	1
1715	1.8210%	1	1941	2.8719%	1

1749	1.8360%	1	1889	2.8981%	1
1730	1.8276%	1	1872	2.9066%	1
1419	1.6908%	1	1847	2.9192%	1
1273	1.6265%	1	1800	2.9429%	1
1747	1.8351%	1	1435	2.8409%	1
1739	1.8316%	1	1373	2.7973%	1
1740.973014	1.8324%	1	1795	2.9454%	1
1717	1.8219%	1	1763	2.9615%	1
1706	1.8170%	1	1763	2.9615%	1
1461	1.7092%	1	1791	2.9474%	1
1303	1.6397%	1	1789	2.9484%	1
1754	1.8382%	1	1575	2.9394%	1
1721	1.8236%	1	1360	2.7882%	1
1723	1.8245%	1	1766	2.9600%	1
1721	1.8236%	1	1765	2.9605%	1
1714	1.8206%	1	1754	2.9660%	1
1503	1.7277%	1	1761	2.9625%	1
1299	1.6379%	1	1675	3.0058%	1
1717	1.8219%	1	1433	2.8395%	1
1702	1.8153%	1	1356	2.7853%	1
1707	1.8175%	1	1765.526616	2.9602%	1
1707	1.8175%	1	1704.593353	2.9909%	1
1677	1.8043%	1	1713	2.9867%	1
1376	1.6718%	1	1761	2.9625%	1
1238	1.6111%	1	1764	2.9610%	1
1268	1.6243%	1	1383	2.8043%	1
1179	1.5851%	1	1350	2.7811%	1
1677	1.8043%	1	1766	2.9600%	1
1682	1.8065%	1	1662	3.0006%	1
1717	1.8219%	1	1685	3.0008%	1
1687	1.8087%	1	1695	2.9957%	1
1641	1.7884%	1	1748.836063	2.9686%	1
1311	1.6432%	1	1456.949355	2.8564%	1
1146	1.5706%	1	1299	2.7453%	1
1651	1.7928%	1	1681	3.0028%	1
1679	1.8052%	1	1754	2.9660%	1
1674	1.8030%	1	1720	2.9831%	1
1640	1.7880%	1	1720	2.9831%	1
1626	1.7818%	1	1698	2.9942%	1
1336	1.6542%	1	1457	2.8564%	1
1231	1.6080%	1	1310	2.7530%	1
1749	1.8360%	1	1709	2.9887%	1
1688	1.8091%	1	1738	2.9741%	1
1699	1.8140%	1	1783	2.9514%	1
1724	1.8250%	1	1691	2.9977%	1
1690	1.8100%	1	1666	3.0034%	1
1362	1.6657%	1	1453	2.8536%	1
1173	1.5825%	1	1338	2.7727%	1
1668	1.8003%	1	1709	2.9887%	1
1675	1.8034%	1	1718	2.9842%	1
1697	1.8131%	1	1724	2.9811%	1
1740	1.8320%	1	1576	2.9401%	1
1764	1.8426%	1	1764	2.9610%	1
1493	1.7233%	1	1483	2.8747%	1
1416	1.6894%	1	1330	2.7671%	1

1371	1.6696%	1	1799	2.9434%	1
1753	1.8377%	1	1752	2.9670%	1
1730	1.8276%	1	1685.340389	3.0006%	1
1729	1.8272%	1	1692	2.9972%	1
1707	1.8175%	1	1642	2.9865%	1
1582	1.7625%	1	1400	2.8163%	1
1800	1.8584%	1	1262	2.7192%	1
2079	1.9812%	1	1657	2.9971%	1
2213	2.0401%	1	1630	2.9781%	1
2146.56	2.0109%	1	1627	2.9760%	1
2301	2.0788%	1	1670	3.0062%	1
2180	2.0256%	1	1609	2.9633%	1
1726	1.8258%	1	1363	2.7903%	1
1410	1.6868%	1	1268	2.7235%	1
1816	1.8654%	1	1656	2.9964%	1
1712	1.8197%	1	1628	2.9767%	1
1723	1.8245%	1	1643	2.9872%	1
1725	1.8254%	1	1689	2.9987%	1
1743	1.8333%	1	1613	2.9661%	1
1428	1.6947%	1	1319	2.7593%	1
1360	1.6648%	1	1271.5	2.7259%	1
1980	1.9376%	1	1623	2.9731%	1
2153	2.0137%	1	1607	2.9619%	1
2049	1.9680%	1	1601	2.9577%	1
2193	2.0313%	1	1592	2.9513%	1
2217	2.0419%	1	1342	2.7755%	1
1919	1.9108%	1	1293	2.7410%	1
1880	1.8936%	1	1085	2.5947%	1
2094	1.9878%	1	1674	3.0063%	1
1805	1.8606%	1	1671	3.0069%	1
1832	1.8725%	1	1622	2.9724%	1
1917.830577	1.9102%	1	1622	2.9724%	1
1854	1.8822%	1	1638	2.9837%	1
1643	1.7893%	1	1318	2.7586%	1
1895	1.9002%	1	1295	2.7424%	1
2100	1.9904%	1	1636	2.9823%	1
2082	1.9825%	1	1599	2.9563%	1
2038	1.9631%	1	1605	2.9605%	1
2019	1.9548%	1	1623	2.9731%	1
2042	1.9649%	1	1607	2.9619%	1
1505	1.7286%	1	1353	2.7832%	1
1420	1.6912%	1	1226	2.6939%	1
1974	1.9350%	1	1636	2.9823%	1
1976	1.9358%	1	1706	2.9902%	1
2047	1.9671%	1	1635	2.9816%	1
2336	2.0942%	1	1695.329122	2.9956%	1
2445.3	2.1423%	1	1640	2.9851%	1
1795	1.8562%	1	1298	2.7446%	1
1599	1.7700%	1	1167	2.6524%	1
2153	2.0137%	1	1648	2.9907%	1
2128	2.0027%	1	1623	2.9731%	1
2163	2.0181%	1	1638	2.9837%	1
2421	2.1316%	1	1623	2.9731%	1
2509	2.1704%	1	1591	2.9506%	1
2152	2.0133%	1	1684	3.0013%	1

2069	1.9768%	1	1682	3.0023%	1
2256	2.0590%	1	1663	3.0013%	1
2236	2.0502%	1	1680	3.0033%	1
2358	2.1039%	1	1634	2.9809%	1
2417	2.1299%	1	1426	2.8346%	1
2439	2.1396%	1	1234	2.6995%	1
1982	1.9385%	1	1682	3.0023%	1
1544	1.7458%	1	1683	3.0018%	1
1953.2	1.9258%	1	1675	3.0058%	1
2002	1.9473%	1	1653	2.9942%	1
2013	1.9521%	1	1638	2.9837%	1
1967	1.9319%	1	1364	2.7910%	1
2011	1.9512%	1	1233	2.6988%	1
1582	1.7625%	1	1710	2.9882%	1
1352	1.6613%	1	1674.2	3.0062%	1
1814	1.8646%	1	1663	3.0013%	1
1950	1.9244%	1	1661	2.9999%	1
2024	1.9570%	1	1617	2.9689%	1
1951	1.9248%	1	1304	2.7488%	1
1917	1.9099%	1	1252	2.7122%	1
1465	1.7110%	1	1620	2.9710%	1
1362	1.6657%	1	1689	2.9987%	1
1923	1.9125%	1	1627	2.9760%	1
2048	1.9675%	1	1182	2.6630%	1
1905	1.9046%	1	1303	2.7481%	1
1902	1.9033%	1	1271	2.7256%	1
1863	1.8861%	1	1261	2.7185%	1
1522	1.7361%	1	1715	2.9857%	1
1397	1.6811%	1	1745	2.9706%	1
1905	1.9046%	1	1746	2.9701%	1
1904	1.9042%	1	1708.5	2.9889%	1
2007	1.9495%	1	1718	2.9842%	1
2043	1.9653%	1	1470	2.8655%	1
2180	2.0256%	1	1395	2.8128%	1
1977	1.9363%	1	1741	2.9726%	1
1439	1.6996%	1	1718	2.9842%	1
1804	1.8602%	1	1681	3.0028%	1
1839	1.8756%	1	1763	2.9615%	1
1903	1.9037%	1	1702	2.9922%	1
2006	1.9490%	1	1459	2.8578%	1
2209	2.0384%	1	1333	2.7692%	1
1859	1.8844%	1	1763	2.9615%	1
1640	1.7880%	1	1768	2.9590%	1
1364	1.6665%	1	1772	2.9570%	1
1854	1.8822%	1	1787	2.9494%	1
1925	1.9134%	1	1795	2.9454%	1
1739	1.8316%	1	1546	2.9190%	1
1725	1.8254%	1	1497	2.8845%	1
1425	1.6934%	1	1895	2.8951%	1
1345	1.6582%	1	1892	2.8966%	1
1732	1.8285%	1	1848	2.9187%	1
1724	1.8250%	1	1771	2.9575%	1
1719	1.8228%	1	1457	2.8564%	1
1732	1.8285%	1	1300	2.7460%	1
1715	1.8210%	1	1370	2.7952%	1

1409	1.6863%	1	1680	3.0033%	1
1303	1.6397%	1	1773	2.9565%	1
1697	1.8131%	1	1651	2.9928%	1
1677	1.8043%	1	1576	2.9401%	1
1714	1.8206%	1	1367	2.7931%	1
1751	1.8368%	1	1379	2.8015%	1
1652	1.7933%	1	1550	2.9218%	1
1381	1.6740%	1	1413	2.8254%	1
1326	1.6498%	1	1840	2.9228%	1
1753	1.8377%	1	1943	2.8709%	1
1734.5	1.8296%	1	1854	2.9157%	1
1695	1.8122%	1	1878	2.9036%	1
1697	1.8131%	1	1846	2.9197%	1
1658	1.7959%	1	1565	2.9323%	1
1386.4	1.6764%	1	1468	2.8641%	1
1325.214047	1.6495%	1	1936	2.8744%	1
1697.943397	1.8135%	1	1899	2.8931%	1
1687	1.8087%	1	1868	2.9087%	1
1679	1.8052%	1	1842	2.9217%	1
1714	1.8206%	1	1798	2.9439%	1
1697	1.8131%	1	1391	2.8100%	1
1382	1.6745%	1	1375	2.7987%	1
1276	1.6278%	1	1788	2.9489%	1
1722	1.8241%	1	1755	2.9655%	1
1719	1.8228%	1	1744	2.9711%	1
1696	1.8126%	1	1781	2.9524%	1
1676	1.8038%	1	1771	2.9575%	1
1671.000657	1.8016%	1	1531	2.9084%	1
1408	1.6859%	1	1343	2.7762%	1
1292	1.6349%	1	1752	2.9670%	1
1713	1.8201%	1	1762	2.9620%	1
1674	1.8030%	1	1760	2.9630%	1
1693	1.8113%	1	1769	2.9585%	1
1699	1.8140%	1	1680	3.0033%	1
1697	1.8131%	1	1375	2.7987%	1
1452	1.7053%	1	1299	2.7453%	1
1272	1.6261%	1	1818.526882	2.9336%	1
1698	1.8135%	1	1696	2.9952%	1
1667	1.7999%	1	1712	2.9872%	1
1665	1.7990%	1	1734	2.9761%	1
1673	1.8025%	1	1765	2.9605%	1
1655	1.7946%	1	1331	2.7678%	1
1349	1.6599%	1	1307	2.7509%	1
1226	1.6058%	1	1758	2.9640%	1
1252	1.6173%	1	1681	3.0028%	1
1159	1.5763%	1	1655	2.9956%	1
1669	1.8008%	1	1719	2.9836%	1
1710	1.8188%	1	1735.181797	2.9755%	1
1731	1.8280%	1	1425.649419	2.8343%	1
1678	1.8047%	1	1255	2.7143%	1
1631	1.7840%	1	1662	3.0006%	1
1271	1.6256%	1	1749	2.9686%	1
1120	1.5592%	1	1712	2.9872%	1
1632	1.7845%	1	1722	2.9821%	1
1688	1.8091%	1	1699	2.9937%	1

1679	1.8052%	1	1406	2.8205%	1
1641	1.7884%	1	1280	2.7319%	1
1633	1.7849%	1	1705	2.9907%	1
1295	1.6362%	1	1733	2.9766%	1
1224	1.6049%	1	1776	2.9550%	1
1756.5	1.8393%	1	1667	3.0041%	1
1663	1.7981%	1	1633	2.9802%	1
1701	1.8148%	1	1403	2.8184%	1
1723	1.8245%	1	1306	2.7502%	1
1687.4	1.8089%	1	1696	2.9952%	1
1332	1.6525%	1	1713	2.9867%	1
1252	1.6173%	1	1716	2.9852%	1
1674.3	1.8031%	1	1701	2.9927%	1
1671	1.8016%	1	1750	2.9680%	1
1719	1.8228%	1	1431	2.8381%	1
1766	1.8434%	1	1301	2.7467%	1
1793	1.8553%	1	1805	2.9404%	1
1482	1.7185%	1	1746	2.9701%	1
1403	1.6837%	1	1655	2.9956%	1
1341	1.6564%	1	1688	2.9993%	1
1726	1.8258%	1	1627	2.9760%	1
1740	1.8320%	1	1360	2.7882%	1
1747	1.8351%	1	1228	2.6953%	1
1717	1.8219%	1	1692	2.9972%	1
1617	1.7779%	1	1617	2.9689%	1
1784	1.8514%	1	1626	2.9753%	1
2078	1.9807%	1	1660	2.9992%	1
2267	2.0639%	1	1596	2.9542%	1
2221.44	2.0438%	1	1321	2.7607%	1
2230	2.0476%	1	1237	2.7017%	1
2218	2.0423%	1	1656	2.9964%	1
1711	1.8192%	1	1628	2.9767%	1
1381	1.6740%	1	1643	2.9872%	1
1811	1.8632%	1	1687	2.9998%	1
1729	1.8272%	1	1588	2.9485%	1
1735	1.8298%	1	1264	2.7206%	1
1729	1.8272%	1	1249	2.7101%	1
1756	1.8390%	1	1606	2.9612%	1
1408	1.6859%	1	1623	2.9731%	1
1369	1.6687%	1	1624	2.9738%	1
2001	1.9468%	1	1592	2.9513%	1
2205	2.0366%	1	1317	2.7579%	1
2051	1.9688%	1	1259.2	2.7173%	1
2230	2.0476%	1	1109	2.6116%	1
2260	2.0608%	1	1665	3.0027%	1
1927	1.9143%	1	1660	2.9992%	1
1899	1.9020%	1	1647	2.9900%	1
2138	2.0071%	1	1613	2.9661%	1
1836	1.8742%	1	1627	2.9760%	1
1845	1.8782%	1	1302	2.7474%	1
1938	1.9191%	1	1269	2.7242%	1
1897	1.9011%	1	1622	2.9724%	1
1667	1.7999%	1	1608	2.9626%	1
1917	1.9099%	1	1612	2.9654%	1
2107	1.9935%	1	1611	2.9647%	1

2108	1.9939%	1	1607	2.9619%	1
2082	1.9825%	1	1322	2.7614%	1
2032	1.9605%	1	1200	2.6756%	1
2091	1.9864%	1	1627	2.9760%	1
1475	1.7154%	1	1658	2.9978%	1
1426	1.6938%	1	1618	2.9696%	1
2010	1.9508%	1	1717.195723	2.9846%	1
1993	1.9433%	1	1614	2.9668%	1
2112	1.9957%	1	1261	2.7185%	1
2418	2.1303%	1	1135	2.6299%	1
2480	2.1576%	1	1645	2.9886%	1
1803	1.8597%	1	1637	2.9830%	1
1584	1.7634%	1	1629	2.9774%	1
2171	2.0216%	1	1632	2.9795%	1
2145	2.0102%	1	1610	2.9640%	1
2253	2.0577%	1	1676	3.0053%	1
2465	2.1510%	1	1690	2.9982%	1
2422	2.1321%	1	1678	3.0043%	1
2174	2.0230%	1	1668	3.0048%	1
2101	1.9908%	1	1621	2.9717%	1
2310	2.0828%	1	1328	2.7657%	1
2243	2.0533%	1	1213	2.6848%	1
2329	2.0912%	1	1675	3.0058%	1
2408	2.1259%	1	1693	2.9967%	1
2453	2.1457%	1	1677	3.0048%	1
1986	1.9402%	1	1670	3.0062%	1
1533	1.7409%	1	1639	2.9844%	1
1976	1.9358%	1	1329	2.7664%	1
2021	1.9556%	1	1204	2.6784%	1
2025	1.9574%	1	1685	3.0008%	1
1985	1.9398%	1	1664	3.0020%	1
2048	1.9675%	1	1651	2.9928%	1
1556	1.7510%	1	1661	2.9999%	1
1345	1.6582%	1	1620	2.9710%	1
1819	1.8668%	1	1285	2.7354%	1
1993	1.9433%	1	1221	2.6904%	1
2061	1.9732%	1	1625	2.9745%	1
1909	1.9064%	1	1687	2.9998%	1
1904	1.9042%	1	1616	2.9682%	1
1440	1.7000%	1	1111	2.6130%	1
1371	1.6696%	1	1308	2.7516%	1
1948	1.9235%	1	1240	2.7038%	1
2081	1.9820%	1	1233	2.6988%	1
1899	1.9020%	1	1726	2.9801%	1
1900	1.9024%	1	1734	2.9761%	1
1893	1.8993%	1	1760	2.9630%	1
1531	1.7400%	1	1734	2.9761%	1
1391	1.6784%	1	1705	2.9907%	1
1917	1.9099%	1	1437	2.8423%	1
1931	1.9160%	1	1371	2.7959%	1
2034	1.9614%	1	1713	2.9867%	1
2105	1.9926%	1	1707	2.9897%	1
2222	2.0441%	1	1686	3.0003%	1
1972	1.9341%	1	1762	2.9620%	1
1435	1.6978%	1	1690	2.9982%	1

1816	1.8654%	1	1438	2.8430%	1
1860	1.8848%	1	1310	2.7530%	1
1932	1.9165%	1	1762	2.9620%	1
2091	1.9864%	1	1769	2.9585%	1
2271	2.0656%	1	1781	2.9524%	1
1885	1.8958%	1	1783	2.9514%	1
1636	1.7862%	1	1787	2.9494%	1
1346	1.6586%	1	1509	2.8930%	1
1900	1.9024%	1	1453	2.8536%	1
1941	1.9204%	1	1895	2.8951%	1
1727	1.8263%	1	1903	2.8910%	1
1735	1.8298%	1	1847	2.9192%	1
1422	1.6921%	1	1762	2.9620%	1
1335	1.6538%	1	1422	2.8318%	1
1739	1.8316%	1	1223	2.6918%	1
1716	1.8214%	1	1339	2.7734%	1
1734	1.8294%	1	1670	3.0062%	1
1745	1.8342%	1	1747	2.9696%	1
1732	1.8285%	1	1640	2.9851%	1
1383	1.6749%	1	1555	2.9253%	1
1304	1.6401%	1	1337	2.7720%	1
1703	1.8157%	1	1365	2.7917%	1
1688	1.8091%	1	1529	2.9070%	1
1709	1.8184%	1	1400	2.8163%	1
1780	1.8496%	1	1806	2.9399%	1
1653	1.7937%	1	1900	2.8926%	1
1355	1.6626%	1	1841	2.9222%	1
1331	1.6520%	1	1851	2.9172%	1
1748	1.8355%	1	1810	2.9379%	1
1751.7	1.8371%	1	1509	2.8930%	1
1693	1.8113%	1	1453	2.8536%	1
1709	1.8184%	1	1902	2.8915%	1
1662	1.7977%	1	1889	2.8981%	1
1350.4	1.6606%	1	1837	2.9243%	1
1315.414073	1.6452%	1	1837	2.9243%	1
1691.76132	1.8108%	1	1769	2.9585%	1
1700.5	1.8146%	1	1349	2.7804%	1
1687	1.8087%	1	1368	2.7938%	1
1724	1.8250%	1	1780	2.9529%	1
1701.4	1.8150%	1	1717	2.9847%	1
1343	1.6573%	1	1737	2.9746%	1
1258	1.6199%	1	1755	2.9655%	1
1713	1.8201%	1	1738	2.9741%	1
1728	1.8267%	1	1490	2.8796%	1
1709	1.8184%	1	1321	2.7607%	1
1702	1.8153%	1	1732	2.9771%	1
1683	1.8069%	1	1725	2.9806%	1
1379	1.6731%	1	1745	2.9706%	1
1284	1.6313%	1	1735	2.9756%	1
1710	1.8188%	1	1637	2.9830%	1
1692	1.8109%	1	1356	2.7853%	1
1687	1.8087%	1	1291	2.7396%	1
1699	1.8140%	1	1737	2.9746%	1
1678	1.8047%	1	1644	2.9879%	1
1401	1.6828%	1	1694	2.9962%	1

1252	1.6173%	1	1707	2.9897%	1
1678	1.8047%	1	1727	2.9796%	1
1674	1.8030%	1	1317	2.7579%	1
1681	1.8060%	1	1290	2.7389%	1
1668	1.8003%	1	1736	2.9751%	1
1651	1.7928%	1	1618	2.9696%	1
1407	1.6855%	1	1660	2.9992%	1
1211	1.5992%	1	1680.282446	3.0031%	1
1224	1.6049%	1	1697	2.9947%	1
1142	1.5689%	1	1394	2.8121%	1
1667	1.7999%	1	1216.5	2.6872%	1
1689	1.8096%	1	1625	2.9745%	1
1700	1.8144%	1	1720	2.9831%	1
1650	1.7924%	1	1678	3.0043%	1
1594	1.7678%	1	1669	3.0055%	1
1243	1.6133%	1	1641	2.9858%	1
1103	1.5517%	1	1411	2.8240%	1
1630	1.7836%	1	1256	2.7150%	1
1661	1.7972%	1	1676	3.0053%	1
1655	1.7946%	1	1803	2.9414%	1
1617	1.7779%	1	1744	2.9711%	1
1599	1.7700%	1	1664	3.0020%	1
1286	1.6322%	1	1587	2.9478%	1
1211	1.5992%	1	1370	2.7952%	1
1734	1.8294%	1	1310	2.7530%	1
1658	1.7959%	1	1659	2.9985%	1
1680	1.8056%	1	1682	3.0023%	1
1688	1.8091%	1	1692	2.9972%	1
1658	1.7959%	1	1666	3.0034%	1
1306	1.6410%	1	1737	2.9746%	1
1212	1.5997%	1	1395	2.8128%	1
1632	1.7845%	1	1272	2.7263%	1
1587	1.7647%	1	1772.411535	2.9568%	1
1674	1.8030%	1	1708	2.9892%	1
1731	1.8280%	1	1646	2.9893%	1
1791	1.8544%	1	1635	2.9816%	1
1482	1.7185%	1	1590	2.9499%	1
1392	1.6789%	1	1323	2.7621%	1
1343	1.6573%	1	1197	2.6735%	1
1743	1.8333%	1	1635.1	2.9817%	1
1710.3	1.8189%	1	1578	2.9415%	1
1717	1.8219%	1	1606	2.9612%	1
1668	1.8003%	1	1581	2.9436%	1
1637	1.7867%	1	1562	2.9302%	1
1817	1.8659%	1	1296	2.7431%	1
2070	1.9772%	1	1211	2.6834%	1
2268	2.0643%	1	1617	2.9689%	1
2236	2.0502%	1	1589	2.9492%	1
2165	2.0190%	1	1599	2.9563%	1
2222	2.0441%	1	1631	2.9788%	1
1705	1.8166%	1	1559	2.9281%	1
1370	1.6692%	1	1245	2.7073%	1
1748	1.8355%	1	1209	2.6820%	1
1710	1.8188%	1	1570	2.9359%	1
1700	1.8144%	1	1576	2.9401%	1

1701	1.8148%	1	1589	2.9492%	1
1727	1.8263%	1	1556	2.9260%	1
1401	1.6828%	1	1295	2.7424%	1
1366	1.6674%	1	1264.2	2.7208%	1
1992	1.9429%	1	1017	2.5469%	1
2206	2.0370%	1	1652	2.9935%	1
2039	1.9636%	1	1634	2.9809%	1
2236	2.0502%	1	1626	2.9753%	1
2266	2.0634%	1	1586	2.9471%	1
1925	1.9134%	1	1597	2.9549%	1
1912	1.9077%	1	1285	2.7354%	1
2107	1.9935%	1	1260	2.7178%	1
1806	1.8610%	1	1600	2.9570%	1
1830	1.8716%	1	1598	2.9556%	1
1925	1.9134%	1	1578	2.9415%	1
1889	1.8976%	1	1566	2.9331%	1
1678	1.8047%	1	1571	2.9366%	1
1924	1.9130%	1	1288	2.7375%	1
2134	2.0054%	1	1187	2.6665%	1
2094	1.9878%	1	1598	2.9556%	1
2075	1.9794%	1	1594	2.9527%	1
2045	1.9662%	1	1601	2.9577%	1
2044	1.9658%	1	1687	2.9998%	1
1468	1.7123%	1	1583	2.9450%	1
1432	1.6965%	1	1219	2.6890%	1
2007	1.9495%	1	1120	2.6194%	1
1984	1.9394%	1	1629	2.9774%	1
2125	2.0014%	1	1607	2.9619%	1
2445	2.1422%	1	1601	2.9577%	1
2485	2.1598%	1	1601	2.9577%	1
1806	1.8610%	1	1546	2.9190%	1
1563	1.7541%	1	1644	2.9879%	1
2162	2.0177%	1	1666	3.0034%	1
2082	1.9825%	1	1631	2.9788%	1
2272	2.0661%	1	1647	2.9900%	1
2468	2.1523%	1	1590	2.9499%	1
2375	2.1114%	1	1307	2.7509%	1
2198	2.0335%	1	1187	2.6665%	1
2121	1.9996%	1	1654	2.9949%	1
2325	2.0894%	1	1650	2.9921%	1
2179	2.0252%	1	1678	3.0043%	1
2320	2.0872%	1	1646	2.9893%	1
2410	2.1268%	1	1589	2.9492%	1
2451	2.1448%	1	1297	2.7439%	1
1986	1.9402%	1	1190	2.6686%	1
1533	1.7409%	1	1669	3.0055%	1
1970	1.9332%	1	1641	2.9858%	1
2014	1.9526%	1	1624	2.9738%	1
2001	1.9468%	1	1635	2.9816%	1
1979	1.9372%	1	1599	2.9563%	1
2059	1.9724%	1	1261	2.7185%	1
1521	1.7356%	1	1206	2.6798%	1
1337	1.6547%	1	1604	2.9598%	1
1794	1.8558%	1	1680	3.0033%	1
1989	1.9416%	1	1621	2.9717%	1

2066	1.9754%	1	1068	2.5828%	1
2018	1.9543%	1	1299	2.7453%	1
1846	1.8786%	1	1216	2.6869%	1
1438	1.6991%	1	1226	2.6939%	1
1362	1.6657%	1	1688	2.9993%	1
1948	1.9235%	1	1727	2.9796%	1
2061	1.9732%	1	1724	2.9811%	1
1874	1.8910%	1	1696	2.9952%	1
1886	1.8962%	1	1680	3.0033%	1
1889	1.8976%	1	1428	2.8360%	1
1502	1.7273%	1	1353	2.7832%	1
1363	1.6661%	1	1690	2.9982%	1
1896	1.9006%	1	1689	2.9987%	1
1920	1.9112%	1	1633	2.9802%	1
2040	1.9640%	1	1726	2.9801%	1
2112	1.9957%	1	1669	3.0055%	1
2241	2.0524%	1	1397	2.8142%	1
1983	1.9389%	1	1294	2.7417%	1
1417	1.6899%	1	1735	2.9756%	1
1798	1.8575%	1	1759	2.9635%	1
1847	1.8791%	1	1756	2.9650%	1
1955.000113	1.9266%	1	1755	2.9655%	1
2178	2.0247%	1	1759	2.9635%	1
2293	2.0753%	1	1480	2.8726%	1
1895	1.9002%	1	1454	2.8543%	1
1627	1.7823%	1	1881	2.9021%	1
1336	1.6542%	1	1868	2.9087%	1
1876	1.8918%	1	1808	2.9389%	1
1925	1.9134%	1	1749	2.9686%	1
1714	1.8206%	1	1400	2.8163%	1
1693	1.8113%	1	1179	2.6609%	1
1394	1.6797%	1	1325	2.7635%	1
1313	1.6441%	1	1642	2.9865%	1
1714	1.8206%	1	1724	2.9811%	1
1698	1.8135%	1	1607	2.9619%	1
1714	1.8206%	1	1531	2.9084%	1
1710	1.8188%	1	1300	2.7460%	1
1707	1.8175%	1	1384	2.8050%	1
1365	1.6670%	1	1517	2.8986%	1
1287	1.6327%	1	1419	2.8297%	1
1676	1.8038%	1	1806	2.9399%	1
1671	1.8016%	1	1911	2.8870%	1
1706	1.8170%	1	1822	2.9318%	1
1739	1.8316%	1	1835	2.9253%	1
1629	1.7832%	1	1790	2.9479%	1
1330	1.6516%	1	1527	2.9056%	1
1329	1.6511%	1	1481	2.8733%	1
1710	1.8188%	1	1894	2.8956%	1
1712.8	1.8200%	1	1871	2.9071%	1
1650	1.7924%	1	1850	2.9177%	1
1671	1.8016%	1	1812	2.9368%	1
1621	1.7796%	1	1742	2.9721%	1
1315.1	1.6450%	1	1339	2.7734%	1
1307.459017	1.6417%	1	1395	2.8128%	1
1661	1.7972%	1	1754	2.9660%	1

1664	1.7986%	1	1709	2.9887%	1
1644	1.7898%	1	1699	2.9937%	1
1685	1.8078%	1	1743	2.9716%	1
1653	1.7937%	1	1714	2.9862%	1
1312	1.6437%	1	1486	2.8768%	1
1239	1.6115%	1	1345	2.7776%	1
1680	1.8056%	1	1712	2.9872%	1
1694	1.8118%	1	1722	2.9821%	1
1670.5	1.8014%	1	1728	2.9791%	1
1652	1.7933%	1	1717	2.9847%	1
1667	1.7999%	1	1615	2.9675%	1
1328	1.6507%	1	1354	2.7839%	1
1261	1.6212%	1	1293	2.7410%	1
1672	1.8021%	1	1707.275957	2.9895%	1
1657	1.7955%	1	1618	2.9696%	1
1646	1.7906%	1	1689.326155	2.9986%	1
1660	1.7968%	1	1673	3.0068%	1
1655	1.7946%	1	1692	2.9972%	1
1374	1.6709%	1	1313	2.7551%	1
1220	1.6032%	1	1305	2.7495%	1
1645	1.7902%	1	1712	2.9872%	1
1635	1.7858%	1	1606	2.9612%	1
1622	1.7801%	1	1668	3.0048%	1
1640	1.7880%	1	1648	2.9907%	1
1606	1.7730%	1	1691	2.9977%	1
1301.5	1.6390%	1	1355	2.7846%	1
1174	1.5829%	1	1233.5	2.6992%	1
1213	1.6001%	1	1604	2.9598%	1
1145	1.5702%	1	1711	2.9877%	1
1632	1.7845%	1	1657	2.9971%	1
1659	1.7964%	1	1664	3.0020%	1
1679	1.8052%	1	1632	2.9795%	1
1618	1.7783%	1	1416.6	2.8280%	1
1566	1.7554%	1	1253	2.7129%	1
1246	1.6146%	1	1675	3.0058%	1
1102	1.5513%	1	1665	3.0027%	1
1613	1.7761%	1	1722	2.9821%	1
1641	1.7884%	1	1655	2.9956%	1
1627	1.7823%	1	1560	2.9288%	1
1580	1.7616%	1	1367	2.7931%	1
1574	1.7590%	1	1322	2.7614%	1
1287	1.6327%	1	1614	2.9668%	1
1241	1.6124%	1	1696	2.9952%	1
1716	1.8214%	1	1664	3.0020%	1
1646.5	1.7909%	1	1680	3.0033%	1
1650	1.7924%	1	1702	2.9922%	1
1675	1.8034%	1	1379	2.8015%	1
1630.4	1.7838%	1	1285	2.7354%	1
1283	1.6309%	1	1777.043201	2.9544%	1
1188	1.5891%	1	1692	2.9972%	1
1595.3	1.7683%	1	1607	2.9619%	1
1621	1.7796%	1	1615	2.9675%	1
1668	1.8003%	1	1555	2.9253%	1
1720	1.8232%	1	1298	2.7446%	1
1785	1.8518%	1	1197	2.6735%	1

1495	1.7242%	1	1594	2.9527%	1
1399	1.6819%	1	1546	2.9190%	1
1344	1.6577%	1	1591	2.9506%	1
1712	1.8197%	1	1492	2.8810%	1
1704	1.8162%	1	1533	2.9098%	1
1712	1.8197%	1	1271	2.7256%	1
1645	1.7902%	1	1216	2.6869%	1
1664	1.7986%	1	1580	2.9429%	1
1752	1.8373%	1	1559	2.9281%	1
2071	1.9776%	1	1582	2.9443%	1
2294	2.0758%	1	1606	2.9612%	1
2255	2.0586%	1	1514	2.8965%	1
2149	2.0120%	1	1226	2.6939%	1
2192	2.0309%	1	1199	2.6749%	1
1702	1.8153%	1	1543	2.9169%	1
1372	1.6701%	1	1553	2.9239%	1
1707	1.8175%	1	1552	2.9232%	1
1672	1.8021%	1	1520	2.9007%	1
1674	1.8030%	1	1290	2.7389%	1
1683.999583	1.8074%	1	1243.2	2.7060%	1
1687	1.8087%	1	1003	2.5371%	1
1384	1.6753%	1	1615	2.9675%	1
1371	1.6696%	1	1602	2.9584%	1
2003	1.9477%	1	1569	2.9352%	1
2207	2.0375%	1	1559	2.9281%	1
2010	1.9508%	1	1546	2.9190%	1
2255	2.0586%	1	1301	2.7467%	1
2268	2.0643%	1	1269	2.7242%	1
1916	1.9094%	1	1558	2.9274%	1
1922	1.9121%	1	1556.017713	2.9260%	1
2079	1.9812%	1	1546	2.9190%	1
1799	1.8580%	1	1543	2.9169%	1
1823	1.8685%	1	1515	2.8972%	1
1896	1.9006%	1	1291	2.7396%	1
1880	1.8936%	1	1190	2.6686%	1
1724	1.8250%	1	1558	2.9274%	1
1961	1.9292%	1	1598	2.9556%	1
2155	2.0146%	1	1588	2.9485%	1
2119	1.9988%	1	1660	2.9992%	1
2095	1.9882%	1	1515	2.8972%	1
2031	1.9600%	1	1215	2.6862%	1
2031	1.9600%	1	1110	2.6123%	1
1452	1.7053%	1	1584	2.9457%	1
1449	1.7040%	1	1587	2.9478%	1
1999	1.9460%	1	1566	2.9331%	1
1981	1.9380%	1	1564	2.9316%	1
2150	2.0124%	1	1525	2.9042%	1
2448	2.1435%	1	1622	2.9724%	1
2352	2.1013%	1	1646	2.9893%	1
1832	1.8725%	1	1611	2.9647%	1
1570	1.7572%	1	1630	2.9781%	1
2144	2.0098%	1	1559	2.9281%	1
2057	1.9715%	1	1296	2.7431%	1
2296	2.0766%	1	1187	2.6665%	1
2386	2.1162%	1	1641	2.9858%	1

2291	2.0744%	1	1649	2.9914%	1
2230	2.0476%	1	1682	3.0023%	1
2147	2.0111%	1	1657	2.9971%	1
2364	2.1066%	1	1576	2.9401%	1
2187.2	2.0288%	1	1273	2.7270%	1
2324	2.0890%	1	1205	2.6791%	1
2428	2.1347%	1	1673	3.0068%	1
2464	2.1506%	1	1619	2.9703%	1
1997	1.9451%	1	1616	2.9682%	1
1542	1.7449%	1	1618	2.9696%	1
1968	1.9323%	1	1622	2.9724%	1
2015	1.9530%	1	1279	2.7312%	1
1991	1.9424%	1	1233	2.6988%	1
1976	1.9358%	1	1581	2.9436%	1
2041	1.9644%	1	1667	3.0041%	1
1513	1.7321%	1	1545	2.9183%	1
1339	1.6555%	1	1058	2.5758%	1
1767	1.8439%	1	1338	2.7727%	1
1978	1.9367%	1	1233	2.6988%	1
1946	1.9226%	1	1256	2.7150%	1
1964	1.9306%	1	1694	2.9962%	1
1816	1.8654%	1	1701	2.9927%	1
1437	1.6987%	1	1719	2.9836%	1
1374	1.6709%	1	1713	2.9867%	1
1955	1.9266%	1	1672	3.0073%	1
2058	1.9719%	1	1449	2.8508%	1
1850	1.8804%	1	1375	2.7987%	1
1863	1.8861%	1	1687	2.9998%	1
1876	1.8918%	1	1683	3.0018%	1
1509	1.7304%	1	1636	2.9823%	1
1370	1.6692%	1	1765	2.9605%	1
1878	1.8927%	1	1653	2.9942%	1
1903	1.9037%	1	1428	2.8360%	1
2050.786108	1.9687%	1	1319	2.7593%	1
2103	1.9917%	1	1765	2.9605%	1
2265	2.0630%	1	1771	2.9575%	1
1983	1.9389%	1	1765	2.9605%	1
1413	1.6881%	1	1764	2.9610%	1
1781	1.8500%	1	1755	2.9655%	1
1847	1.8791%	1	1498	2.8852%	1
1954.466335	1.9264%	1	1482	2.8740%	1
2206	2.0370%	1	1882	2.9016%	1
2276	2.0678%	1	1877	2.9041%	1
1915	1.9090%	1	1816	2.9348%	1
1608	1.7739%	1	1745	2.9706%	1
1347	1.6591%	1	1396	2.8135%	1
1894	1.8998%	1	1197	2.6735%	1
1891	1.8984%	1	1333	2.7692%	1
1685	1.8078%	1	1635	2.9816%	1
1627	1.7823%	1	1718	2.9842%	1
1392	1.6789%	1	1575	2.9394%	1
1317	1.6459%	1	1542	2.9162%	1
1708	1.8179%	1	1296	2.7431%	1
1675	1.8034%	1	1492	2.8810%	1
1686	1.8082%	1	1617	2.9689%	1

1681	1.8060%	1	1535	2.9112%	1
1678	1.8047%	1	1869	2.9082%	1
1350	1.6604%	1	1980	2.8523%	1
1300	1.6384%	1	1922	2.8815%	1
1657	1.7955%	1	1949	2.8679%	1
1650	1.7924%	1	1834	2.9258%	1
1692	1.8109%	1	1603	2.9591%	1
1717	1.8219%	1	1584	2.9457%	1
1620	1.7792%	1	1948	2.8684%	1
1333	1.6529%	1	1945	2.8699%	1
1333	1.6529%	1	1902	2.8915%	1
1691	1.8104%	1	1871	2.9071%	1
1688.6	1.8094%	1	1789	2.9484%	1
1662	1.7977%	1	1403	2.8184%	1
1652	1.7933%	1	1493	2.8817%	1
1604	1.7722%	1	1823	2.9313%	1
1307	1.6415%	1	1762	2.9620%	1
1315.652764	1.6453%	1	1707	2.9897%	1
1628	1.7827%	1	1807	2.9394%	1
1647	1.7911%	1	1744	2.9711%	1
1614	1.7766%	1	1535	2.9112%	1
1669	1.8008%	1	1432	2.8388%	1
1630	1.7836%	1	1746	2.9701%	1
1320	1.6472%	1	1770	2.9580%	1
1230	1.6076%	1	1776	2.9550%	1
1666	1.7994%	1	1737	2.9746%	1
1680	1.8056%	1	1638	2.9837%	1
1640.7	1.7883%	1	1402	2.8177%	1
1637	1.7867%	1	1350	2.7811%	1
1627	1.7823%	1	1761	2.9625%	1
1322	1.6481%	1	1654	2.9949%	1
1272	1.6261%	1	1724	2.9811%	1
1650	1.7924%	1	1689	2.9987%	1
1649	1.7920%	1	1708	2.9892%	1
1628	1.7827%	1	1361	2.7889%	1
1646	1.7906%	1	1369	2.7945%	1
1626	1.7818%	1	1738	2.9741%	1
1359	1.6643%	1	1616	2.9682%	1
1224	1.6049%	1	1673	3.0068%	1
1626	1.7818%	1	1663	3.0013%	1
1619	1.7788%	1	1735	2.9756%	1
1606	1.7730%	1	1400	2.8163%	1
1616	1.7774%	1	1270.5	2.7252%	1
1569	1.7568%	1	1607	2.9619%	1
1297	1.6371%	1	1751	2.9675%	1
1238	1.6111%	1	1681	3.0028%	1
1221	1.6036%	1	1698	2.9942%	1
1156	1.5750%	1	1643	2.9872%	1
1605	1.7726%	1	1434.5	2.8406%	1
1662	1.7977%	1	1305	2.7495%	1
1663	1.7981%	1	1694	2.9962%	1
1626	1.7818%	1	1675	3.0058%	1
1568	1.7563%	1	1757	2.9645%	1
1246	1.6146%	1	1657	2.9971%	1
1119	1.5587%	1	1584	2.9457%	1

1605	1.7726%	1	1412	2.8247%	1
1630	1.7836%	1	1370	2.7952%	1
1610	1.7748%	1	1634	2.9809%	1
1577	1.7603%	1	1725	2.9806%	1
1552	1.7493%	1	1679	3.0038%	1
1330	1.6516%	1	1723	2.9816%	1
1286	1.6322%	1	1733	2.9766%	1
1717	1.8219%	1	1397	2.8142%	1
1628.5	1.7829%	1	1331	2.7678%	1
1643	1.7893%	1	1800	2.9429%	1
1658	1.7959%	1	1714	2.9862%	1
1631	1.7840%	1	1633	2.9802%	1
1287	1.6327%	1	1616	2.9682%	1
1219	1.6027%	1	1552	2.9232%	1
1606	1.7730%	1	1333	2.7692%	1
1608	1.7739%	1	1239.075012	2.7031%	1
1680	1.8056%	1	1598	2.9556%	1
1700	1.8144%	1	1576	2.9401%	1
1768	1.8443%	1	1617	2.9689%	1
1511	1.7312%	1	1545	2.9183%	1
1409	1.6863%	1	1503	2.8887%	1
1372	1.6701%	1	1299	2.7453%	1
1709	1.8184%	1	1250	2.7108%	1
1683	1.8069%	1	1601	2.9577%	1
1685	1.8078%	1	1574	2.9387%	1
1622	1.7801%	1	1580	2.9429%	1
1713	1.8201%	1	1623	2.9731%	1
1673	1.8025%	1	1487	2.8775%	1
2082	1.9825%	1	1242	2.7052%	1
2280	2.0696%	1	1223	2.6918%	1
2278	2.0687%	1	1527	2.9056%	1
2100	1.9904%	1	1546	2.9190%	1
2188.033829	2.0291%	1	1552	2.9232%	1
1739	1.8316%	1	1516	2.8979%	1
1405	1.6846%	1	1292	2.7403%	1
1702	1.8153%	1	1262	2.7192%	1
1661	1.7972%	1	1025	2.5525%	1
1658	1.7959%	1	1622	2.9724%	1
1666	1.7994%	1	1585	2.9464%	1
1665	1.7990%	1	1570	2.9359%	1
1423	1.6925%	1	1583	2.9450%	1
1396	1.6806%	1	1532	2.9091%	1
2000	1.9464%	1	1336	2.7713%	1
2214	2.0406%	1	1308	2.7516%	1
1992.710863	1.9432%	1	1554	2.9246%	1
2267	2.0639%	1	1519	2.9000%	1
2279	2.0692%	1	1534	2.9105%	1
1919	1.9108%	1	1563	2.9309%	1
1930	1.9156%	1	1523	2.9028%	1
2066	1.9754%	1	1304	2.7488%	1
1797	1.8571%	1	1222	2.6911%	1
1816	1.8654%	1	1560	2.9288%	1
1902	1.9033%	1	1631	2.9788%	1
1880	1.8936%	1	1586	2.9471%	1
1778	1.8487%	1	1684	3.0013%	1

1987	1.9407%	1	1511	2.8944%	1
2177	2.0243%	1	1214	2.6855%	1
2128	2.0027%	1	1131	2.6271%	1
2095	1.9882%	1	1557	2.9267%	1
2034	1.9614%	1	1585	2.9464%	1
2029	1.9592%	1	1563	2.9309%	1
1493	1.7233%	1	1531	2.9084%	1
1492	1.7229%	1	1517	2.8986%	1
2000	1.9464%	1	1664	3.0020%	1
1982	1.9385%	1	1702	2.9922%	1
2163	2.0181%	1	1670	3.0062%	1
2478	2.1567%	1	1685	3.0008%	1
2322	2.0881%	1	1582	2.9443%	1
1871	1.8896%	1	1367	2.7931%	1
1588	1.7651%	1	1298	2.7446%	1
2138	2.0071%	1	1684	3.0013%	1
2012	1.9517%	1	1710	2.9882%	1
2296	2.0766%	1	1770	2.9580%	1
2391	2.1184%	1	1740	2.9731%	1
2217	2.0419%	1	1647	2.9900%	1
2236	2.0502%	1	1347	2.7790%	1
2200	2.0344%	1	1310	2.7530%	1
2359	2.1044%	1	1776	2.9550%	1
2220	2.0432%	1	1733.1	2.9766%	1
2353	2.1017%	1	1722	2.9821%	1
2445	2.1422%	1	1699	2.9937%	1
2470	2.1532%	1	1693.093139	2.9967%	1
2018	1.9543%	1	1393	2.8114%	1
1585	1.7638%	1	1371	2.7959%	1
1969	1.9328%	1	1667	3.0041%	1
2031	1.9600%	1	1768	2.9590%	1
2018	1.9543%	1	1634	2.9809%	1
1969	1.9328%	1	1141	2.6341%	1
2025	1.9574%	1	1447	2.8494%	1
1524	1.7370%	1	1363	2.7903%	1
1374	1.6709%	1	1404	2.8191%	1
1776	1.8478%	1	1819	2.9333%	1
2003	1.9477%	1	1842	2.9217%	1
2075	1.9794%	1	1845	2.9202%	1
1958	1.9279%	1	1833	2.9263%	1
1784	1.8514%	1	1769	2.9585%	1
1447	1.7031%	1	1572	2.9373%	1
1415	1.6890%	1	1525	2.9042%	1
1973	1.9345%	1	1839	2.9233%	1
2052	1.9693%	1	1834	2.9258%	1
1845	1.8782%	1	1595	2.9534%	1
1859	1.8844%	1	1889	2.8981%	1
1850	1.8804%	1	1783	2.9514%	1
1529	1.7392%	1	1579	2.9422%	1
1397	1.6811%	1	1493	2.8817%	1
1862	1.8857%	1	1896	2.8946%	1
1889	1.8976%	1	1914	2.8855%	1
2051.262691	1.9690%	1	1904	2.8905%	1
2136	2.0062%	1	1916	2.8845%	1
2258	2.0599%	1	1873	2.9061%	1

1999	1.9460%	1
1449	1.7040%	1
1768	1.8443%	1
1831	1.8720%	1
1961.197712	1.9293%	1
2210	2.0388%	1
2281	2.0700%	1
1928	1.9147%	1
1594	1.7678%	1
1381	1.6740%	1
1886	1.8962%	1
1883	1.8949%	1
1679	1.8052%	1
1694	1.8118%	1
1403	1.6837%	1
1349	1.6599%	1
1688	1.8091%	1
1669	1.8008%	1
1686	1.8082%	1
1691	1.8104%	1
1660	1.7968%	1
1361	1.6652%	1
1349	1.6599%	1
1657	1.7955%	1
1632	1.7845%	1
1691	1.8104%	1
1710	1.8188%	1
1602	1.7713%	1
1349	1.6599%	1
1366	1.6674%	1
1713	1.8201%	1
1705.4	1.8168%	1
1648	1.7915%	1
1647	1.7911%	1
1590	1.7660%	1
1302	1.6393%	1
1341.070401	1.6565%	1
1611	1.7752%	1
1642	1.7889%	1
1610	1.7748%	1
1633	1.7849%	1
1619	1.7788%	1
1323	1.6485%	1
1255	1.6186%	1
1652	1.7933%	1
1677	1.8043%	1
1639.2	1.7876%	1
1612	1.7757%	1
1613	1.7761%	1
1328	1.6507%	1
1299	1.6379%	1
1652	1.7933%	1
1673	1.8025%	1
1607	1.7735%	1
1648	1.7915%	1

1655	2.9956%	1
1632	2.9795%	1
2023	2.8307%	1
2008	2.8382%	1
1965	2.8598%	1
1864	2.9107%	1
1511	2.8944%	1
1306	2.7502%	1
1477	2.8705%	1
1763	2.9615%	1
1815	2.9353%	1
1679	3.0038%	1
1647	2.9900%	1
1428	2.8360%	1
1598	2.9556%	1
1714	2.9862%	1
1681	3.0028%	1
2054	2.8150%	1
2098	2.7929%	1
2078	2.8030%	1
2084	2.8000%	1
1947	2.8689%	1
1771	2.9575%	1
1788	2.9489%	1
2076	2.8040%	1
2067	2.8085%	1
2040	2.8221%	1
1986	2.8493%	1
1886	2.8996%	1
1567	2.9338%	1
1628	2.9767%	1
1940	2.8724%	1
1897	2.8941%	1
1885	2.9001%	1
1825	2.9303%	1
1831	2.9273%	1
1631	2.9788%	1
1600	2.9570%	1
1868.086978	2.9086%	1
1920	2.8825%	1
1898	2.8936%	1
1870	2.9077%	1
1761	2.9625%	1
1547	2.9197%	1
1481	2.8733%	1
1864	2.9107%	1
1803	2.9414%	1
1842	2.9217%	1
1841	2.9222%	1
1767	2.9595%	1
1487	2.8775%	1
1507	2.8916%	1
1831	2.9273%	1
1745	2.9706%	1
1779	2.9535%	1

1633	1.7849%	1	1730	2.9781%	1
1371	1.6696%	1	1828	2.9288%	1
1245	1.6142%	1	1502	2.8880%	1
1622	1.7801%	1	1416.5	2.8279%	1
1618	1.7783%	1	1713	2.9867%	1
1606	1.7730%	1	1841	2.9222%	1
1583	1.7629%	1	1784	2.9509%	1
1574	1.7590%	1	1795	2.9454%	1
1328	1.6507%	1	1719	2.9836%	1
1241	1.6124%	1	1499	2.8859%	1
1242	1.6129%	1	1444	2.8472%	1
1199	1.5939%	1	1799	2.9434%	1
1618	1.7783%	1	1763.979877	2.9610%	1
1651	1.7928%	1	1821	2.9323%	1
1672	1.8021%	1	1731	2.9776%	1
1637	1.7867%	1	1678	3.0043%	1
1570	1.7572%	1	1471	2.8662%	1
1270	1.6252%	1	1499	2.8859%	1
1142	1.5689%	1	1713	2.9867%	1
1605	1.7726%	1	1803	2.9414%	1
1633	1.7849%	1	1743	2.9716%	1
1616	1.7774%	1	1781	2.9524%	1
1572	1.7581%	1	1750	2.9680%	1
1535	1.7418%	1	1450	2.8515%	1
1320	1.6472%	1	1445	2.8479%	1
1345	1.6582%	1	1854	2.9157%	1
1729	1.8272%	1	1759	2.9635%	1
1635	1.7858%	1	1681	3.0028%	1
1639	1.7876%	1	1669	3.0055%	1
1658	1.7959%	1	1581	2.9436%	1
1612	1.7757%	1	1378	2.8008%	1
1310	1.6428%	1	1334	2.7699%	1
1247	1.6151%	1	1674	3.0063%	1
1619	1.7788%	1	1627	2.9760%	1
1624	1.7810%	1	1677	3.0048%	1
1644.9	1.7902%	1	1622	2.9724%	1
1688	1.8091%	1	1527	2.9056%	1
1749	1.8360%	1	1314.9	2.7564%	1
1532	1.7405%	1	1323	2.7621%	1
1438	1.6991%	1	1637	2.9830%	1
1415	1.6890%	1	1609	2.9633%	1
1666	1.7994%	1	1613	2.9661%	1
1691	1.8104%	1	1643	2.9872%	1
1698	1.8135%	1	1503	2.8887%	1
1629	1.7832%	1	1274	2.7277%	1
1727	1.8263%	1	1278.5	2.7308%	1
1652	1.7933%	1	1549	2.9211%	1
2080	1.9816%	1	1542	2.9162%	1
2246	2.0546%	1	1573	2.9380%	1
2299	2.0780%	1	1561	2.9295%	1
2005	1.9486%	1	1318	2.7586%	1
2149	2.0120%	1	1274	2.7277%	1
1737	1.8307%	1	1040	2.5631%	1
1443	1.7013%	1	1653	2.9942%	1
1741	1.8324%	1	1590	2.9499%	1

1652	1.7933%	1
1654	1.7942%	1
1654	1.7942%	1
1636	1.7862%	1
1431	1.6960%	1
1423	1.6925%	1
2024	1.9570%	1
2184	2.0274%	1
2010	1.9508%	1
2276	2.0678%	1
2261	2.0612%	1
1931	1.9160%	1
1946	1.9226%	1
2043	1.9653%	1
1781	1.8500%	1
1801	1.8588%	1
1897	1.9011%	1
1868	1.8883%	1
1814	1.8646%	1
2008	1.9499%	1
2212	2.0397%	1
2064	1.9746%	1
2104	1.9922%	1
2042	1.9649%	1
2012	1.9517%	1
1498	1.7255%	1
1530	1.7396%	1
2015	1.9530%	1
1985	1.9398%	1
2167	2.0199%	1
2482	2.1585%	1
2265	2.0630%	1
1878	1.8927%	1
1618	1.7783%	1
2132	2.0045%	1
2039	1.9636%	1
2300	2.0784%	1
2403	2.1237%	1
2140	2.0080%	1
2253	2.0577%	1
2212	2.0397%	1
2363	2.1061%	1
2230	2.0476%	1
2340	2.0960%	1
2460	2.1488%	1
2458	2.1479%	1
2014	1.9526%	1
1632	1.7845%	1
1958	1.9279%	1
2031	1.9600%	1
2000	1.9464%	1
1939	1.9196%	1
1991	1.9424%	1
1538	1.7431%	1
1405	1.6846%	1

1572	2.9373%	1
1614	2.9668%	1
1516	2.8979%	1
1374	2.7980%	1
1362	2.7896%	1
1562	2.9302%	1
1523	2.9028%	1
1534	2.9105%	1
1584	2.9457%	1
1517	2.8986%	1
1305	2.7495%	1
1267	2.7228%	1
1564	2.9316%	1
1645	2.9886%	1
1586	2.9471%	1
1701	2.9927%	1
1494	2.8824%	1
1219	2.6890%	1
1159	2.6468%	1
1574	2.9387%	1
1611	2.9647%	1
1541	2.9155%	1
1552	2.9232%	1
1496	2.8838%	1
1801	2.9424%	1
1854	2.9157%	1
1829	2.9283%	1
1814	2.9358%	1
1702	2.9922%	1
1510	2.8937%	1
1483	2.8747%	1
1837	2.9243%	1
1843	2.9212%	1
1844	2.9207%	1
1829	2.9283%	1
1745	2.9706%	1
1484	2.8754%	1
1465	2.8620%	1
1863	2.9112%	1
1854	2.9157%	1
1820	2.9328%	1
1838	2.9238%	1
1733	2.9766%	1
1508	2.8923%	1
1517	2.8986%	1
1795	2.9454%	1
1846	2.9197%	1
1756	2.9650%	1
1246	2.7080%	1
1506	2.8909%	1
1501	2.8873%	1
1567	2.9338%	1
1949	2.8679%	1
1983	2.8508%	1
1966	2.8593%	1

1777	1.8483%	1
2007	1.9495%	1
2056	1.9710%	1
1977	1.9363%	1
1762	1.8417%	1
1454	1.7062%	1
1439	1.6996%	1
1992	1.9429%	1
2058	1.9719%	1
1863	1.8861%	1
1840	1.8760%	1
1841	1.8764%	1
1532	1.7405%	1
1430	1.6956%	1
1862	1.8857%	1
1880	1.8936%	1
2032	1.9605%	1
2106	1.9930%	1
2232	2.0485%	1
1991	1.9424%	1
1456	1.7070%	1
1765	1.8430%	1
1820	1.8672%	1
1964	1.9306%	1
2234	2.0494%	1
2200	2.0344%	1
1917	1.9099%	1
1599	1.7700%	1
1418	1.6903%	1
1888	1.8971%	1
1871	1.8896%	1
1678	1.8047%	1
1628	1.7827%	1
1414	1.6885%	1
1387	1.6767%	1
1693	1.8113%	1
1661	1.7972%	1
1691	1.8104%	1
1680	1.8056%	1
1645	1.7902%	1
1361	1.6652%	1
1376	1.6718%	1
1648	1.7915%	1
1626	1.7818%	1
1700	1.8144%	1
1683	1.8069%	1
1580	1.7616%	1
1347	1.6591%	1
1410	1.6868%	1
1713	1.8201%	1
1722.2	1.8242%	1
1665	1.7990%	1
1641	1.7884%	1
1587	1.7647%	1
1323	1.6485%	1

1969	2.8578%	1
1853	2.9162%	1
1636	2.9823%	1
1673	3.0068%	1
1992	2.8463%	1
1994	2.8452%	1
1946	2.8694%	1
1979	2.8528%	1
1928	2.8785%	1
1707	2.9897%	1
1659	2.9985%	1
2036	2.8241%	1
2025	2.8296%	1
2014	2.8352%	1
2067	2.8085%	1
2002	2.8412%	1
1787	2.9494%	1
1769	2.9585%	1
2204	2.7396%	1
2187	2.7481%	1
2115	2.7843%	1
1992	2.8463%	1
1631	2.9788%	1
1449	2.8508%	1
1652	2.9935%	1
1929	2.8780%	1
1935	2.8749%	1
1837	2.9243%	1
1784	2.9509%	1
1603	2.9591%	1
1615	2.9675%	1
1692	2.9972%	1
1694.030231	2.9962%	1
2059	2.8125%	1
2100	2.7919%	1
2063	2.8105%	1
2084	2.8000%	1
1928	2.8785%	1
1751	2.9675%	1
1790	2.9479%	1
2075	2.8045%	1
2042	2.8211%	1
2042	2.8211%	1
1988	2.8483%	1
1870	2.9077%	1
1577	2.9408%	1
1612	2.9654%	1
1928	2.8785%	1
1908	2.8885%	1
1925	2.8800%	1
1916	2.8845%	1
1813	2.9363%	1
1628	2.9767%	1
1621	2.9717%	1
1956	2.8644%	1

1389	1.6775%	1	1925	2.8800%	1
1636	1.7862%	1	1917.503184	2.8837%	1
1634	1.7854%	1	1875	2.9051%	1
1619	1.7788%	1	1784	2.9509%	1
1648	1.7915%	1	1579	2.9422%	1
1607	1.7735%	1	1557	2.9267%	1
1337	1.6547%	1	1873	2.9061%	1
1301	1.6388%	1	1856	2.9147%	1
1657	1.7955%	1	1873	2.9061%	1
1678	1.8047%	1	1892	2.8966%	1
1651.3	1.7930%	1	1778	2.9540%	1
1642	1.7889%	1	1529	2.9070%	1
1604	1.7722%	1	1551	2.9225%	1
1332	1.6525%	1	1861	2.9122%	1
1336	1.6542%	1	1812	2.9368%	1
1695	1.8122%	1	1833	2.9263%	1
1718	1.8223%	1	1785	2.9504%	1
1650	1.7924%	1	1850	2.9177%	1
1665	1.7990%	1	1585	2.9464%	1
1665	1.7990%	1	1519.5	2.9003%	1
1414	1.6885%	1	1807	2.9394%	1
1290	1.6340%	1	1864	2.9107%	1
1654	1.7942%	1	1856	2.9147%	1
1637	1.7867%	1	1860	2.9127%	1
1641	1.7884%	1	1758	2.9640%	1
1612	1.7757%	1	1587	2.9478%	1
1577	1.7603%	1	1567	2.9338%	1
1392	1.6789%	1	1873	2.9061%	1
1299	1.6379%	1	1870	2.9077%	1
1237	1.6107%	1	1887	2.8991%	1
1207	1.5975%	1	1839	2.9233%	1
1603	1.7717%	1	1725	2.9806%	1
1672	1.8021%	1	1515	2.8972%	1
1634	1.7854%	1	1552	2.9232%	1
1633	1.7849%	1	1777	2.9545%	1
1561	1.7532%	1	1853	2.9162%	1
1272	1.6261%	1	1851	2.9172%	1
1182	1.5865%	1	1854	2.9157%	1
1593	1.7673%	1	1829	2.9283%	1
1632	1.7845%	1	1571	2.9366%	1
1620	1.7792%	1	1583	2.9450%	1
1565	1.7550%	1	1941	2.8719%	1
1502	1.7273%	1	1894.5	2.8953%	1
1326	1.6498%	1	1828	2.9288%	1
1370	1.6692%	1	1799	2.9434%	1
1693	1.8113%	1	1691	2.9977%	1
1607	1.7735%	1	1503	2.8887%	1
1624	1.7810%	1	1478	2.8712%	1
1687	1.8087%	1	1792	2.9469%	1
1594.3	1.7679%	1	1802	2.9419%	1
1291	1.6344%	1	1774	2.9560%	1
1303	1.6397%	1	1735	2.9756%	1
1641.2	1.7885%	1	1607	2.9619%	1
1627	1.7823%	1	1474	2.8683%	1
1634	1.7854%	1	1452	2.8529%	1

1672	1.8021%	1	1749	2.9686%	1
1731	1.8280%	1	1715	2.9857%	1
1519	1.7348%	1	1729	2.9786%	1
1424	1.6930%	1	1741	2.9726%	1
1419	1.6908%	1	1605	2.9605%	1
1681	1.8060%	1	1368	2.7938%	1
1659	1.7964%	1	1400.9	2.8169%	1
1660	1.7968%	1	1641	2.9858%	1
1580	1.7616%	1	1649	2.9914%	1
1729	1.8272%	1	1660	2.9992%	1
1614	1.7766%	1	1631	2.9788%	1
2064	1.9746%	1	1378	2.8008%	1
2192	2.0309%	1	1336	2.7713%	1
2255	2.0586%	1	1085	2.5947%	1
1939	1.9196%	1	1664	3.0020%	1
2092	1.9869%	1	1576	2.9401%	1
1706	1.8170%	1	1561	2.9295%	1
1457	1.7075%	1	1654	2.9949%	1
1670.241846	1.8013%	1	1490	2.8796%	1
1625	1.7814%	1	1367	2.7931%	1
1633	1.7849%	1	1386	2.8064%	1
1636	1.7862%	1	1562	2.9302%	1
1609	1.7744%	1	1517	2.8986%	1
1407	1.6855%	1	1545	2.9183%	1
1426	1.6938%	1	1613	2.9661%	1
1999	1.9460%	1	1477	2.8705%	1
2128	2.0027%	1	1286	2.7361%	1
1983	1.9389%	1	1285	2.7354%	1
2225	2.0454%	1	1571	2.9366%	1
2206	2.0370%	1	1644	2.9879%	1
1882	1.8945%	1	1604	2.9598%	1
1946	1.9226%	1	1708	2.9892%	1
1976	1.9358%	1	1479.5	2.8722%	1
1743	1.8333%	1	1213	2.6848%	1
1789	1.8536%	1	1195	2.6721%	1
1860	1.8848%	1	1548	2.9204%	1
1808	1.8619%	1	1617	2.9689%	1
1832	1.8725%	1	1560	2.9288%	1
2006	1.9490%	1	1523	2.9028%	1
2186	2.0282%	1	1469	2.8648%	1
1985	1.9398%	1	1811	2.9373%	1
2107	1.9935%	1	1851	2.9172%	1
2000	1.9464%	1	1835	2.9253%	1
1927	1.9143%	1	1803	2.9414%	1
1498	1.7255%	1	1686	3.0003%	1
1548	1.7475%	1	1517	2.8986%	1
1983	1.9389%	1	1486	2.8768%	1
1947	1.9231%	1	1831	2.9273%	1
2139	2.0076%	1	1827	2.9293%	1
2438	2.1391%	1	1846	2.9197%	1
2190	2.0300%	1	1843	2.9212%	1
1877	1.8923%	1	1716	2.9852%	1
1655	1.7946%	1	1486	2.8768%	1
2096	1.9886%	1	1476	2.8698%	1
2021.999096	1.9561%	1	1849	2.9182%	1

2280	2.0696%	1	1852	2.9167%	1
2358	2.1039%	1	1836	2.9248%	1
2096	1.9886%	1	1819	2.9333%	1
2233	2.0489%	1	1686	3.0003%	1
2230	2.0476%	1	1498	2.8852%	1
2363	2.1061%	1	1534	2.9105%	1
2210	2.0388%	1	1801	2.9424%	1
2312	2.0837%	1	1821	2.9323%	1
2445	2.1422%	1	1751	2.9675%	1
2433	2.1369%	1	1268	2.7235%	1
1994	1.9438%	1	1482	2.8740%	1
1622	1.7801%	1	1503	2.8887%	1
1934	1.9174%	1	1594	2.9527%	1
1977	1.9363%	1	1960	2.8624%	1
1963	1.9301%	1	1971	2.8568%	1
1937	1.9187%	1	1942	2.8714%	1
1940	1.9200%	1	1914	2.8855%	1
1539	1.7436%	1	1793	2.9464%	1
1414	1.6885%	1	1610	2.9640%	1
1767	1.8439%	1	1681	3.0028%	1
1993	1.9433%	1	1987	2.8488%	1
2042	1.9649%	1	1977	2.8538%	1
1952	1.9253%	1	1949	2.8679%	1
1703	1.8157%	1	1972	2.8563%	1
1452	1.7053%	1	1904	2.8905%	1
1448	1.7035%	1	1672	3.0073%	1
1980	1.9376%	1	1674	3.0063%	1
2002	1.9473%	1	2041	2.8216%	1
1854	1.8822%	1	2015	2.8347%	1
1812	1.8637%	1	2015	2.8347%	1
1800	1.8584%	1	2027	2.8286%	1
1518	1.7343%	1	2005	2.8397%	1
1452	1.7053%	1	1770	2.9580%	1
1836	1.8742%	1	1783	2.9514%	1
1849	1.8800%	1	2229	2.7270%	1
1994	1.9438%	1	2179	2.7521%	1
2079	1.9812%	1	2126	2.7788%	1
2186	2.0282%	1	1973	2.8558%	1
1964	1.9306%	1	1579	2.9422%	1
1473	1.7145%	1	1475	2.8690%	1
1738	1.8311%	1	1688	2.9993%	1
1801	1.8588%	1	1949	2.8679%	1
1927	1.9143%	1	1926	2.8795%	1
2217	2.0419%	1	1834	2.9258%	1
2141	2.0084%	1	1778	2.9540%	1
1872	1.8901%	1	1572	2.9373%	1
1561	1.7532%	1	1563	2.9309%	1
1438	1.6991%	1	1632	2.9795%	1
1838	1.8751%	1	1686	3.0003%	1
1824	1.8690%	1	2022	2.8312%	1
1677	1.8043%	1	2033	2.8256%	1
1602	1.7713%	1	2041	2.8216%	1
1407	1.6855%	1	2045	2.8196%	1
1396	1.6806%	1	1888	2.8986%	1
1691	1.8104%	1	1706	2.9902%	1

1668	1.8003%	1	1772	2.9570%	1
1689	1.8096%	1	2037	2.8236%	1
1682	1.8065%	1	2024	2.8301%	1
1627	1.7823%	1	1997	2.8437%	1
1366	1.6674%	1	1937	2.8739%	1
1409	1.6863%	1	1813	2.9363%	1
1672	1.8021%	1	1531	2.9084%	1
1633	1.7849%	1	1569	2.9352%	1
1706	1.8170%	1	1886	2.8996%	1
1713	1.8201%	1	1876	2.9046%	1
1585	1.7638%	1	1856	2.9147%	1
1368	1.6683%	1	1866	2.9097%	1
1469	1.7128%	1	1735	2.9756%	1
1742	1.8329%	1	1567	2.9338%	1
1747	1.8351%	1	1572	2.9373%	1
1680	1.8056%	1	1915	2.8850%	1
1664	1.7986%	1	1866	2.9097%	1
1643	1.7893%	1	1852	2.9167%	1
1372	1.6701%	1	1843	2.9212%	1
1438	1.6991%	1	1774	2.9560%	1
1701	1.8148%	1	1520	2.9007%	1
1692	1.8109%	1	1504	2.8894%	1
1696	1.8126%	1	1828	2.9288%	1
1698	1.8135%	1	1807	2.9394%	1
1636	1.7862%	1	1834	2.9258%	1
1400	1.6824%	1	1835	2.9253%	1
1389	1.6775%	1	1713	2.9867%	1
1740	1.8320%	1	1482	2.8740%	1
1768	1.8443%	1	1535	2.9112%	1
1729.8	1.8275%	1	1804	2.9409%	1
1715	1.8210%	1	1773	2.9565%	1
1670	1.8012%	1	1860	2.9127%	1
1416	1.6894%	1	1770	2.9580%	1
1460	1.7088%	1	1804	2.9409%	1
1802	1.8593%	1	1555	2.9253%	1
1799	1.8580%	1	1512.5	2.8954%	1
1759	1.8404%	1	1757	2.9645%	1
1768	1.8443%	1	1813	2.9363%	1
1720	1.8232%	1	1834	2.9258%	1
1514	1.7326%	1	1874	2.9056%	1
1449	1.7040%	1	1715	2.9857%	1
1763	1.8421%	1	1536	2.9120%	1
1766	1.8434%	1	1543	2.9169%	1
1755	1.8386%	1	1874	2.9056%	1
1724	1.8250%	1	1834	2.9258%	1
1668	1.8003%	1	1847	2.9192%	1
1435	1.6978%	1	1793	2.9464%	1
1388	1.6771%	1	1673	3.0068%	1
1236	1.6102%	1	1481	2.8733%	1
1247	1.6151%	1	1522	2.9021%	1
1601	1.7708%	1	1853	2.9162%	1
1674	1.8030%	1	1804	2.9409%	1
1634	1.7854%	1	1831.981289	2.9268%	1
1630	1.7836%	1	1818	2.9338%	1
1543	1.7453%	1	1783	2.9514%	1

1282	1.6305%	1	1557	2.9267%	1
1241	1.6124%	1	1586	2.9471%	1
1594	1.7678%	1	1891	2.8971%	1
1621	1.7796%	1	1860.5	2.9124%	1
1627	1.7823%	1	1811	2.9373%	1
1568	1.7563%	1	1807	2.9394%	1
1498	1.7255%	1	1696	2.9952%	1
1321	1.6476%	1	1490	2.8796%	1
1372	1.6701%	1	1506.980939	2.8915%	1
1681	1.8060%	1	1796	2.9449%	1
1595	1.7682%	1	1731	2.9776%	1
1613	1.7761%	1	1768	2.9590%	1
1619	1.7788%	1	1745	2.9706%	1
1558.3	1.7520%	1	1637	2.9830%	1
1277	1.6283%	1	1459	2.8578%	1
1316	1.6454%	1	1503	2.8887%	1
1594.2	1.7678%	1	1765	2.9605%	1
1629	1.7832%	1	1745	2.9706%	1
1589	1.7656%	1	1764	2.9610%	1
1654	1.7942%	1	1777	2.9545%	1
1666	1.7994%	1	1621	2.9717%	1
1490	1.7220%	1	1395	2.8128%	1
1399	1.6819%	1	1435	2.8409%	1
1439	1.6996%	1	1685	3.0008%	1
1673	1.8025%	1	1695	2.9957%	1
1634	1.7854%	1	1699	2.9937%	1
1622	1.7801%	1	1631	2.9788%	1
1569	1.7568%	1	1399	2.8156%	1
1705	1.8166%	1	1341	2.7748%	1
1608	1.7739%	1	1170	2.6545%	1
2005	1.9486%	1	1682.083591	3.0022%	1
2105	1.9926%	1	1605	2.9605%	1
2192	2.0309%	1	1604	2.9598%	1
1871	1.8896%	1	1677	3.0048%	1
1965	1.9310%	1	1501	2.8873%	1
1653	1.7937%	1	1365	2.7917%	1
1444	1.7018%	1	1453	2.8536%	1
1626	1.7818%	1	1596	2.9542%	1
1607	1.7735%	1	1558	2.9274%	1
1608	1.7739%	1	1596	2.9542%	1
1605	1.7726%	1	1654	2.9949%	1
1561	1.7532%	1	1480	2.8726%	1
1393	1.6793%	1	1291	2.7396%	1
1434	1.6974%	1	1328	2.7657%	1
1937	1.9187%	1	1595	2.9534%	1
2155	2.0146%	1	1658	2.9978%	1
1950	1.9244%	1	1651	2.9928%	1
2165	2.0190%	1	1719	2.9836%	1
2113	1.9961%	1	1480.1	2.8726%	1
1839	1.8756%	1	1227	2.6946%	1
1920.427232	1.9114%	1	1248	2.7094%	1
1894	1.8998%	1	1572	2.9373%	1
1705	1.8166%	1	1622	2.9724%	1
1746	1.8346%	1	1556	2.9260%	1
1816	1.8654%	1	1529	2.9070%	1

1760	1.8408%	1	1456	2.8557%	1
1792	1.8549%	1	1753	2.9665%	1
1946	1.9226%	1	1805	2.9404%	1
2149	2.0120%	1	1795	2.9454%	1
1965	1.9310%	1	1757	2.9645%	1
2043	1.9653%	1	1644	2.9879%	1
1974	1.9350%	1	1451	2.8522%	1
1835	1.8738%	1	1455	2.8550%	1
1456	1.7070%	1	1768	2.9590%	1
1561	1.7532%	1	1761	2.9625%	1
1930	1.9156%	1	1771	2.9575%	1
1902	1.9033%	1	1764	2.9610%	1
2075	1.9794%	1	1662	3.0006%	1
2398	2.1215%	1	1406	2.8205%	1
2097	1.9891%	1	1479	2.8719%	1
1808	1.8619%	1	1794	2.9459%	1
1661	1.7972%	1	1803	2.9414%	1
2030	1.9596%	1	1800	2.9429%	1
2000.52508	1.9466%	1	1769	2.9585%	1
2246	2.0546%	1	1634	2.9809%	1
2291	2.0744%	1	1452	2.8529%	1
2031	1.9600%	1	1487	2.8775%	1
2162	2.0177%	1	1744	2.9711%	1
2146	2.0106%	1	1773	2.9565%	1
2281	2.0700%	1	1676	3.0053%	1
2116	1.9974%	1	1264	2.7206%	1
2263	2.0621%	1	1440	2.8444%	1
2372	2.1101%	1	1449	2.8508%	1
2369	2.1088%	1	1548	2.9204%	1
1896	1.9006%	1	1938	2.8734%	1
1612	1.7757%	1	1929	2.8780%	1
1884	1.8954%	1	1903	2.8910%	1
2006	1.9490%	1	1859	2.9132%	1
1916	1.9094%	1	1731	2.9776%	1
1890	1.8980%	1	1556	2.9260%	1
1889	1.8976%	1	1660	2.9992%	1
1509	1.7304%	1	1958	2.8634%	1
1424	1.6930%	1	1935	2.8749%	1
1741	1.8324%	1	1918	2.8835%	1
1951	1.9248%	1	1920	2.8825%	1
1994	1.9438%	1	1850	2.9177%	1
1938	1.9191%	1	1616	2.9682%	1
1705	1.8166%	1	1658	2.9978%	1
1423	1.6925%	1	1991	2.8468%	1
1492	1.7229%	1	1969	2.8578%	1
1933	1.9169%	1	1980	2.8523%	1
1969	1.9328%	1	2038	2.8231%	1
1857	1.8835%	1	1973	2.8558%	1
1788	1.8531%	1	1724	2.9811%	1
1761	1.8412%	1	1754	2.9660%	1
1490	1.7220%	1	2166	2.7587%	1
1468	1.7123%	1	2140	2.7718%	1
1786	1.8522%	1	2094	2.7949%	1
1849	1.8800%	1	1925	2.8800%	1
1973	1.9345%	1	1529	2.9070%	1

2061	1.9732%	1	1467	2.8634%	1
2133	2.0049%	1	1655	2.9956%	1
1899	1.9020%	1	1893	2.8961%	1
1486	1.7202%	1	1873	2.9061%	1
1750	1.8364%	1	1784	2.9509%	1
1768	1.8443%	1	1733	2.9766%	1
1930	1.9156%	1	1490	2.8796%	1
2194	2.0318%	1	1531	2.9084%	1
2104	1.9922%	1	1541	2.9155%	1
1831	1.8720%	1	1627	2.9760%	1
1545	1.7462%	1	1964	2.8603%	1
1469	1.7128%	1	1986	2.8493%	1
1874	1.8910%	1	1969	2.8578%	1
1844	1.8778%	1	1971	2.8568%	1
1726	1.8258%	1	1803	2.9414%	1
1632	1.7845%	1	1639	2.9844%	1
1459	1.7084%	1	1701	2.9927%	1
1459	1.7084%	1	1948	2.8684%	1
1748	1.8355%	1	1945	2.8699%	1
1740	1.8320%	1	1925	2.8800%	1
1754	1.8382%	1	1883	2.9011%	1
1738	1.8311%	1	1736	2.9751%	1
1660	1.7968%	1	1460	2.8585%	1
1427	1.6943%	1	1491	2.8803%	1
1473	1.7145%	1	1810	2.9379%	1
1736	1.8302%	1	1820	2.9328%	1
1723	1.8245%	1	1793	2.9464%	1
1787	1.8527%	1	1806	2.9399%	1
1779	1.8492%	1	1662	3.0006%	1
1626	1.7818%	1	1483	2.8747%	1
1448	1.7035%	1	1537	2.9127%	1
1560	1.7528%	1	1856	2.9147%	1
1786	1.8522%	1	1784	2.9509%	1
1792.1	1.8549%	1	1757	2.9645%	1
1757	1.8395%	1	1773.046643	2.9564%	1
1763	1.8421%	1	1671	3.0069%	1
1663	1.7981%	1	1466	2.8627%	1
1445	1.7022%	1	1436	2.8416%	1
1518	1.7343%	1	1744	2.9711%	1
1783	1.8509%	1	1741	2.9726%	1
1771	1.8456%	1	1743	2.9716%	1
1791	1.8544%	1	1778	2.9540%	1
1771	1.8456%	1	1640	2.9851%	1
1674	1.8030%	1	1416	2.8275%	1
1446	1.7026%	1	1480	2.8726%	1
1457	1.7075%	1	1721	2.9826%	1
1782	1.8505%	1	1727	2.9796%	1
1791	1.8544%	1	1691	2.9977%	1
1775.1	1.8474%	1	1706	2.9902%	1
1763	1.8421%	1	1739	2.9736%	1
1683	1.8069%	1	1493	2.8817%	1
1435	1.6978%	1	1468.5	2.8645%	1
1508	1.7299%	1	1697	2.9947%	1
1800	1.8584%	1	1738	2.9741%	1
1799	1.8580%	1	1762	2.9620%	1

1795	1.8562%	1	1812	2.9368%	1
1771	1.8456%	1	1667	3.0041%	1
1687	1.8087%	1	1451	2.8522%	1
1502	1.7273%	1	1482	2.8740%	1
1491	1.7224%	1	1791	2.9474%	1
1772	1.8461%	1	1775	2.9555%	1
1764	1.8426%	1	1777	2.9545%	1
1758	1.8399%	1	1733	2.9766%	1
1724	1.8250%	1	1610	2.9640%	1
1637	1.7867%	1	1405	2.8198%	1
1399	1.6819%	1	1467	2.8634%	1
1390	1.6780%	1	1716	2.9852%	1
1292	1.6349%	1	1742	2.9721%	1
1364	1.6665%	1	1779.473686	2.9532%	1
1652	1.7933%	1	1751	2.9675%	1
1694	1.8118%	1	1702	2.9922%	1
1673	1.8025%	1	1512	2.8951%	1
1642	1.7889%	1	1544	2.9176%	1
1557	1.7515%	1	1803	2.9414%	1
1321	1.6476%	1	1779	2.9535%	1
1329	1.6511%	1	1748	2.9691%	1
1636	1.7862%	1	1751	2.9675%	1
1663	1.7981%	1	1637	2.9830%	1
1658	1.7959%	1	1425	2.8339%	1
1612	1.7757%	1	1443.622855	2.8470%	1
1521	1.7356%	1	1720	2.9831%	1
1328	1.6507%	1	1685	3.0008%	1
1389	1.6775%	1	1690	2.9982%	1
1700	1.8144%	1	1697	2.9947%	1
1628	1.7827%	1	1580	2.9429%	1
1590	1.7660%	1	1385	2.8057%	1
1648	1.7915%	1	1450	2.8515%	1
1553	1.7497%	1	1704	2.9912%	1
1303	1.6397%	1	1675	3.0058%	1
1356	1.6630%	1	1710	2.9882%	1
1631	1.7840%	1	1724	2.9811%	1
1611	1.7752%	1	1579	2.9422%	1
1630	1.7836%	1	1328	2.7657%	1
1691	1.8104%	1	1376	2.7994%	1
1656	1.7950%	1	1623	2.9731%	1
1453	1.7057%	1	1636	2.9823%	1
1406	1.6850%	1	1633	2.9802%	1
1433	1.6969%	1	1563	2.9309%	1
1680	1.8056%	1	1348	2.7797%	1
1637	1.7867%	1	1280	2.7319%	1
1636	1.7862%	1	1243	2.7059%	1
1550	1.7484%	1	1664	3.0020%	1
1708	1.8179%	1	1655	2.9956%	1
1552	1.7493%	1	1660	2.9992%	1
1977	1.9363%	1	1664	3.0020%	1
2015	1.9530%	1	1547	2.9197%	1
2151	2.0128%	1	1351	2.7818%	1
1886	1.8962%	1	1448	2.8501%	1
1932	1.9165%	1	1646	2.9893%	1
1615	1.7770%	1	1639	2.9844%	1

1464	1.7106%	1	1639	2.9844%	1
1619	1.7788%	1	1649	2.9914%	1
1627	1.7823%	1	1530	2.9077%	1
1611	1.7752%	1	1328	2.7657%	1
1609	1.7744%	1	1373	2.7973%	1
1567	1.7559%	1	1630	2.9781%	1
1377	1.6723%	1	1653	2.9942%	1
1443	1.7013%	1	1658	2.9978%	1
1924	1.9130%	1	1688	2.9993%	1
2051.6	1.9691%	1	1554	2.9246%	1
1920	1.9112%	1	1220	2.6897%	1
2112	1.9957%	1	1342	2.7755%	1
2033	1.9609%	1	1631	2.9788%	1
1789	1.8536%	1	1649	2.9914%	1
1882	1.8945%	1	1628	2.9767%	1
1831.5	1.8723%	1	1619	2.9703%	1
1684	1.8074%	1	1512	2.8951%	1
1764	1.8426%	1	1658	2.9978%	1
1791	1.8544%	1	1723	2.9816%	1
1745	1.8342%	1	1712	2.9872%	1
1747	1.8351%	1	1683	3.0018%	1
1865	1.8870%	1	1520	2.9007%	1
2122	2.0001%	1	1380	2.8022%	1
1943	1.9213%	1	1396	2.8135%	1
1976	1.9358%	1	1687	2.9998%	1
1980	1.9376%	1	1680	3.0033%	1
1767	1.8439%	1	1698	2.9942%	1
1410	1.6868%	1	1707	2.9897%	1
1548	1.7475%	1	1600	2.9570%	1
1906	1.9050%	1	1348	2.7797%	1
1884	1.8954%	1	1413	2.8254%	1
2048	1.9675%	1	1719	2.9836%	1
2330	2.0916%	1	1747	2.9696%	1
2041	1.9644%	1	1730	2.9781%	1
1758	1.8399%	1	1691	2.9977%	1
1675	1.8034%	1	1560	2.9288%	1
1998	1.9455%	1	1385	2.8057%	1
1978.468096	1.9369%	1	1423	2.8325%	1
2193	2.0313%	1	1690	2.9982%	1
2242	2.0529%	1	1701	2.9927%	1
2003	1.9477%	1	1627	2.9760%	1
2076	1.9798%	1	1246	2.7080%	1
2108	1.9939%	1	1369	2.7945%	1
2242	2.0529%	1	1386	2.8064%	1
2096	1.9886%	1	1496	2.8838%	1
2198	2.0335%	1	1865	2.9102%	1
2370	2.1092%	1	1872	2.9066%	1
2376	2.1118%	1	1825	2.9303%	1
1813	1.8641%	1	1810	2.9379%	1
1604	1.7722%	1	1659	2.9985%	1
1862	1.8857%	1	1486	2.8768%	1
1991	1.9424%	1	1612	2.9654%	1
1902	1.9033%	1	1899	2.8931%	1
1889	1.8976%	1	1857	2.9142%	1
1888	1.8971%	1	1848	2.9187%	1

1515	1.7330%	1	1861	2.9122%	1
1461	1.7092%	1	1787	2.9494%	1
1750	1.8364%	1	1561	2.9295%	1
1970	1.9332%	1	1616	2.9682%	1
2005	1.9486%	1	1910	2.8875%	1
1968	1.9323%	1	1907	2.8890%	1
1707	1.8175%	1	1903	2.8910%	1
1437	1.6987%	1	1977	2.8538%	1
1542	1.7449%	1	1909	2.8880%	1
1982	1.9385%	1	1664	3.0020%	1
1980	1.9376%	1	1707	2.9897%	1
1852	1.8813%	1	2090	2.7969%	1
1819	1.8668%	1	2069	2.8075%	1
1769	1.8448%	1	2034	2.8251%	1
1526	1.7378%	1	1851	2.9172%	1
1517	1.7339%	1	1484	2.8754%	1
1797	1.8571%	1	1445	2.8479%	1
1887	1.8967%	1	1606	2.9612%	1
2012	1.9517%	1	1822	2.9318%	1
2088	1.9851%	1	1797	2.9444%	1
2175	2.0234%	1	1723	2.9816%	1
1891	1.8984%	1	1676	3.0053%	1
1516	1.7334%	1	1412	2.8247%	1
1784	1.8514%	1	1462	2.8599%	1
1859	1.8844%	1	1461	2.8592%	1
1973	1.9345%	1	1531	2.9084%	1
2200	2.0344%	1	1867	2.9092%	1
2066	1.9754%	1	1850	2.9177%	1
1796	1.8566%	1	1852	2.9167%	1
1539	1.7436%	1	1869	2.9082%	1
1522	1.7361%	1	1731	2.9776%	1
1886	1.8962%	1	1569	2.9352%	1
1845	1.8782%	1	1613	2.9661%	1
1731	1.8280%	1	1832	2.9268%	1
1627	1.7823%	1	1812	2.9368%	1
1450	1.7044%	1	1824	2.9308%	1
1476	1.7158%	1	1775	2.9555%	1
1753	1.8377%	1	1647	2.9900%	1
1728	1.8267%	1	1390	2.8093%	1
1743	1.8333%	1	1401	2.8170%	1
1747	1.8351%	1	1704	2.9912%	1
1649	1.7920%	1	1694	2.9962%	1
1411	1.6872%	1	1700	2.9932%	1
1443	1.7013%	1	1683	3.0018%	1
1712.5	1.8199%	1	1587	2.9478%	1
1699	1.8140%	1	1408	2.8219%	1
1756	1.8390%	1	1458	2.8571%	1
1748	1.8355%	1	1731	2.9776%	1
1591	1.7664%	1	1679	3.0038%	1
1406	1.6850%	1	1673.991205	3.0063%	1
1516	1.7334%	1	1680	3.0033%	1
1708	1.8179%	1	1587	2.9478%	1
1723	1.8245%	1	1375	2.7987%	1
1730	1.8276%	1	1371	2.7959%	1
1719	1.8228%	1	1636	2.9823%	1

1604	1.7722%	1	1638	2.9837%	1
1415	1.6890%	1	1630	2.9781%	1
1469	1.7128%	1	1690	2.9982%	1
1728	1.8267%	1	1540	2.9148%	1
1726	1.8258%	1	1345	2.7776%	1
1720	1.8232%	1	1397	2.8142%	1
1727	1.8263%	1	1617	2.9689%	1
1605	1.7726%	1	1610	2.9640%	1
1388	1.6771%	1	1602	2.9584%	1
1401	1.6828%	1	1638	2.9837%	1
1710	1.8188%	1	1656	2.9964%	1
1746	1.8346%	1	1402	2.8177%	1
1732.5	1.8287%	1	1378.5	2.8012%	1
1712	1.8197%	1	1581	2.9436%	1
1637.000575	1.7867%	1	1615	2.9675%	1
1373	1.6705%	1	1672	3.0073%	1
1473	1.7145%	1	1645	2.9886%	1
1736	1.8302%	1	1573	2.9380%	1
1729	1.8272%	1	1396	2.8135%	1
1742	1.8329%	1	1425	2.8339%	1
1721	1.8236%	1	1644	2.9879%	1
1637	1.7867%	1	1644	2.9879%	1
1441	1.7004%	1	1672	3.0073%	1
1447	1.7031%	1	1616	2.9682%	1
1707	1.8175%	1	1524.8	2.9041%	1
1688	1.8091%	1	1329	2.7664%	1
1689	1.8096%	1	1389	2.8086%	1
1665	1.7990%	1	1603	2.9591%	1
1573	1.7585%	1	1630	2.9781%	1
1329	1.6511%	1	1667	3.0041%	1
1397	1.6811%	1	1649.000032	2.9914%	1
1262	1.6217%	1	1604	2.9598%	1
1307	1.6415%	1	1414	2.8261%	1
1594	1.7678%	1	1472	2.8669%	1
1601	1.7708%	1	1683.4	3.0016%	1
1621	1.7796%	1	1651	2.9928%	1
1530	1.7396%	1	1662	3.0006%	1
1496	1.7246%	1	1641	2.9858%	1
1262	1.6217%	1	1568	2.9345%	1
1314	1.6445%	1	1358	2.7868%	1
1586	1.7642%	1	1383.77427	2.8049%	1
1594	1.7678%	1	1611	2.9647%	1
1582	1.7625%	1	1571	2.9366%	1
1579	1.7612%	1	1589	2.9492%	1
1515	1.7330%	1	1599	2.9563%	1
1286	1.6322%	1	1491	2.8803%	1
1371	1.6696%	1	1304	2.7488%	1
1637	1.7867%	1	1359	2.7875%	1
1603	1.7717%	1	1588	2.9485%	1
1619.5	1.7790%	1	1576	2.9401%	1
1626	1.7818%	1	1599	2.9563%	1
1513	1.7321%	1	1617	2.9689%	1
1303	1.6397%	1	1467	2.8634%	1
1309	1.6423%	1	1253	2.7129%	1
1581.2	1.7621%	1	1374.2	2.7982%	1

1562.2	1.7538%	1	1497	2.8845%	1
1634	1.7854%	1	1482	2.8740%	1
1675	1.8034%	1	1515	2.8972%	1
1648	1.7915%	1	1459	2.8578%	1
1471	1.7136%	1	1257	2.7157%	1
1415	1.6890%	1	1203	2.6777%	1
1446	1.7026%	1	1199	2.6749%	1
1617	1.7779%	1	1567	2.9338%	1
1634	1.7854%	1	1573	2.9380%	1
1644	1.7898%	1	1553	2.9239%	1
1541	1.7444%	1	1551	2.9225%	1
1713	1.8201%	1	1465	2.8620%	1
1561	1.7532%	1	1278	2.7305%	1
1962	1.9297%	1	1377	2.8001%	1
1922	1.9121%	1	1563	2.9309%	1
2120	1.9992%	1	1546.5	2.9193%	1
1837	1.8747%	1	1536	2.9120%	1
1898	1.9015%	1	1598	2.9556%	1
1593	1.7673%	1	1461	2.8592%	1
1480	1.7176%	1	1266	2.7220%	1
1615	1.7770%	1	1301	2.7467%	1
1631	1.7840%	1	1535	2.9112%	1
1602	1.7713%	1	1563	2.9309%	1
1657	1.7955%	1	1560	2.9288%	1
1566	1.7554%	1	1588	2.9485%	1
1402	1.6833%	1	1488	2.8782%	1
1491	1.7224%	1	1277.4	2.7301%	1
1919	1.9108%	1	1300	2.7460%	1
2008	1.9499%	1	1549	2.9211%	1
1897	1.9011%	1	1562	2.9302%	1
2093	1.9873%	1	1560	2.9288%	1
1997	1.9451%	1	1567	2.9338%	1
1765	1.8430%	1	1483	2.8747%	1
1857	1.8835%	1	1536	2.9120%	1
1762	1.8417%	1	1606	2.9612%	1
1714	1.8206%	1	1591	2.9506%	1
1767	1.8439%	1	1559	2.9281%	1
1803	1.8597%	1	1523	2.9028%	1
1732	1.8285%	1	1299	2.7453%	1
1729	1.8272%	1	1328	2.7657%	1
1814	1.8646%	1	1568	2.9345%	1
2082	1.9825%	1	1565	2.9323%	1
1838	1.8751%	1	1582	2.9443%	1
1967	1.9319%	1	1601	2.9577%	1
1907	1.9055%	1	1520	2.9007%	1
1725	1.8254%	1	1270	2.7249%	1
1427	1.6943%	1	1337	2.7720%	1
1578	1.7607%	1	1602	2.9584%	1
1882	1.8945%	1	1628	2.9767%	1
1876	1.8918%	1	1649	2.9914%	1
2039	1.9636%	1	1591	2.9506%	1
2308	2.0819%	1	1470	2.8655%	1
1952	1.9253%	1	1310	2.7530%	1
1728	1.8267%	1	1338	2.7727%	1
1655	1.7946%	1	1575	2.9394%	1

1963	1.9301%	1
1916.394216	1.9096%	1
2173	2.0225%	1
2198	2.0335%	1
1995	1.9442%	1
2036	1.9622%	1
2091	1.9864%	1
2191	2.0304%	1
2042	1.9649%	1
2155	2.0146%	1
2323	2.0885%	1
2314	2.0846%	1
1780	1.8496%	1
1611	1.7752%	1
1871	1.8896%	1
1892	1.8989%	1
1850	1.8804%	1
1853	1.8817%	1
1817	1.8659%	1
1491	1.7224%	1
1464	1.7106%	1
1695	1.8122%	1
1947	1.9231%	1
1949	1.9240%	1
1913	1.9081%	1
1631	1.7840%	1
1392	1.6789%	1
1487	1.7207%	1
1919	1.9108%	1
1920	1.9112%	1
1757	1.8395%	1
1752	1.8373%	1
1693	1.8113%	1
1462	1.7097%	1
1464	1.7106%	1
1720	1.8232%	1
1807	1.8615%	1
1891	1.8984%	1
1962	1.9297%	1
2021	1.9556%	1
1771	1.8456%	1
1454	1.7062%	1
1666	1.7994%	1
1731	1.8280%	1
1836	1.8742%	1
2066	1.9754%	1
1943	1.9213%	1
1681	1.8060%	1
1448	1.7035%	1
1422	1.6921%	1
1755	1.8386%	1
1721	1.8236%	1
1620	1.7792%	1
1546	1.7466%	1
1372	1.6701%	1

1596	2.9542%	1
1529	2.9070%	1
1188	2.6672%	1
1291	2.7396%	1
1323	2.7621%	1
1409	2.8226%	1
1793	2.9464%	1
1749	2.9686%	1
1690	2.9982%	1
1679	3.0038%	1
1580	2.9429%	1
1407	2.8212%	1
1518	2.8993%	1
1767	2.9595%	1
1750	2.9680%	1
1740	2.9731%	1
1752	2.9670%	1
1722	2.9821%	1
1485	2.8761%	1
1520	2.9007%	1
1791	2.9474%	1
1786	2.9499%	1
1785	2.9504%	1
1868	2.9087%	1
1829	2.9283%	1
1586	2.9471%	1
1620	2.9710%	1
1993	2.8457%	1
1970	2.8573%	1
1913	2.8860%	1
1752	2.9670%	1
1458	2.8571%	1
1379	2.8015%	1
1535	2.9112%	1
1730	2.9781%	1
1685	3.0008%	1
1628	2.9767%	1
1544	2.9176%	1
1344	2.7769%	1
1343	2.7762%	1
1357	2.7861%	1
1423	2.8325%	1
1712	2.9872%	1
1709	2.9887%	1
1717	2.9847%	1
1702	2.9922%	1
1601	2.9577%	1
1468	2.8641%	1
1519	2.9000%	1
1681	3.0028%	1
1660	2.9992%	1
1667	3.0041%	1
1621	2.9717%	1
1513	2.8958%	1
1291	2.7396%	1

1371	1.6696%	1	1318	2.7586%	1
1633	1.7849%	1	1571	2.9366%	1
1624	1.7810%	1	1573	2.9380%	1
1623	1.7805%	1	1537	2.9127%	1
1644	1.7898%	1	1561	2.9295%	1
1551	1.7488%	1	1448	2.8501%	1
1322	1.6481%	1	1302	2.7474%	1
1339	1.6555%	1	1370	2.7952%	1
1609	1.7744%	1	1605	2.9605%	1
1563	1.7541%	1	1553	2.9239%	1
1640	1.7880%	1	1529	2.9070%	1
1648	1.7915%	1	1547	2.9197%	1
1506	1.7290%	1	1464	2.8613%	1
1357	1.6635%	1	1292	2.7403%	1
1430	1.6956%	1	1315	2.7565%	1
1611	1.7752%	1	1485	2.8761%	1
1613	1.7761%	1	1510	2.8937%	1
1625	1.7814%	1	1492	2.8810%	1
1723.999963	1.8250%	1	1556	2.9260%	1
1524	1.7370%	1	1415	2.8268%	1
1317	1.6459%	1	1249	2.7101%	1
1397	1.6811%	1	1305	2.7495%	1
1627	1.7823%	1	1484	2.8754%	1
1608	1.7739%	1	1537	2.9127%	1
1636	1.7862%	1	1466	2.8627%	1
1619	1.7788%	1	1492	2.8810%	1
1509	1.7304%	1	1532	2.9091%	1
1303	1.6397%	1	1304	2.7488%	1
1344	1.6577%	1	1284	2.7347%	1
1592	1.7669%	1	1451	2.8522%	1
1632	1.7845%	1	1506	2.8909%	1
1619	1.7788%	1	1499	2.8859%	1
1616	1.7774%	1	1517	2.8986%	1
1536	1.7422%	1	1435	2.8409%	1
1295	1.6362%	1	1292	2.7403%	1
1376	1.6718%	1	1336	2.7713%	1
1624	1.7810%	1	1517	2.8986%	1
1617	1.7779%	1	1516	2.8979%	1
1619	1.7788%	1	1531	2.9084%	1
1607	1.7735%	1	1508	2.8923%	1
1541	1.7444%	1	1419.6	2.8301%	1
1358	1.6639%	1	1215	2.6862%	1
1369	1.6687%	1	1292	2.7403%	1
1591	1.7664%	1	1475	2.8690%	1
1589	1.7656%	1	1483	2.8747%	1
1575	1.7594%	1	1526	2.9049%	1
1538	1.7431%	1	1524	2.9035%	1
1482	1.7185%	1	1476	2.8698%	1
1270	1.6252%	1	1346.044418	2.7783%	1
1261	1.6212%	1	1382	2.8036%	1
1144	1.5697%	1	1539	2.9141%	1
1194	1.5917%	1	1513	2.8958%	1
1433	1.6969%	1	1505	2.8901%	1
1451	1.7048%	1	1499	2.8859%	1
1454	1.7062%	1	1449.080853	2.8508%	1

1404	1.6841%	1	1262.05916	2.7193%	1
1349	1.6599%	1	1290	2.7389%	1
1173	1.5825%	1	1472	2.8669%	1
1215	1.6010%	1	1416	2.8275%	1
1423	1.6925%	1	1448	2.8501%	1
1445	1.7022%	1	1449	2.8508%	1
1427	1.6943%	1	1366	2.7924%	1
1446	1.7026%	1	1235	2.7002%	1
1375	1.6714%	1	1277.871563	2.7304%	1
1187	1.5887%	1	1459	2.8578%	1
1261	1.6212%	1	1428	2.8360%	1
1470	1.7132%	1	1458	2.8571%	1
1450	1.7044%	1	1477	2.8705%	1
1462	1.7097%	1	1352	2.7825%	1
1475	1.7154%	1	1150	2.6405%	1
1362	1.6657%	1	1208	2.6813%	1
1189	1.5895%	1	1388	2.8079%	1
1203	1.5957%	1	1367	2.7931%	1
1445.3	1.7023%	1	1384	2.8050%	1
1459	1.7084%	1	1328	2.7657%	1
1475	1.7154%	1	1143	2.6355%	1
1518	1.7343%	1	1070	2.5842%	1
1484	1.7194%	1	1111	2.6130%	1
1364	1.6665%	1	1392	2.8107%	1
1301	1.6388%	1	1442	2.8458%	1
1330.04	1.6516%	1	1408	2.8219%	1
1465	1.7110%	1	1436	2.8416%	1
1479	1.7172%	1	1357	2.7861%	1
1487	1.7207%	1	1192	2.6700%	1
1406	1.6850%	1	1276	2.7291%	1
1569	1.7568%	1	1421	2.8311%	1
1477	1.7163%	1	1406	2.8205%	1
1761	1.8412%	1	1407	2.8212%	1
1750	1.8364%	1	1419	2.8297%	1
1919	1.9108%	1	1333	2.7692%	1
1682	1.8065%	1	1157	2.6454%	1
1715	1.8210%	1	1219	2.6890%	1
1466	1.7114%	1	1397	2.8142%	1
1387	1.6767%	1	1416	2.8275%	1
1496	1.7246%	1	1418	2.8290%	1
1679	1.8052%	1	1450	2.8515%	1
1483	1.7189%	1	1380	2.8022%	1
1522	1.7361%	1	1157	2.6454%	1
1437	1.6987%	1	1292	2.7403%	1
1290	1.6340%	1	1393	2.8114%	1
1395	1.6802%	1	1426	2.8346%	1
1893	1.8993%	1	1404	2.8191%	1
1804	1.8602%	1	1395	2.8128%	1
1760	1.8408%	1	1336	2.7713%	1
1913	1.9081%	1	1421	2.8311%	1
1842	1.8769%	1	1456	2.8557%	1
1638	1.7871%	1	1473	2.8676%	1
1720	1.8232%	1	1434	2.8402%	1
1597	1.7691%	1	1362	2.7896%	1
1584	1.7634%	1	1203	2.6777%	1

1606	1.7730%	1	1219	2.6890%	1
1665	1.7990%	1	1406	2.8205%	1
1612	1.7757%	1	1423	2.8325%	1
1666	1.7994%	1	1438	2.8430%	1
1735	1.8298%	1	1462	2.8599%	1
1912	1.9077%	1	1362	2.7896%	1
1738	1.8311%	1	1160	2.6475%	1
1815	1.8650%	1	1244	2.7066%	1
1748	1.8355%	1	1447	2.8494%	1
1581	1.7620%	1	1492	2.8810%	1
1322	1.6481%	1	1459	2.8578%	1
1466	1.7114%	1	1445	2.8479%	1
1723	1.8245%	1	1328	2.7657%	1
1725	1.8254%	1	1209	2.6820%	1
1853	1.8817%	1	1260	2.7178%	1
2114	1.9966%	1	1428	2.8360%	1
1811	1.8632%	1	1458	2.8571%	1
1588	1.7651%	1	1359	2.7875%	1
1561	1.7532%	1	1109	2.6116%	1
1788	1.8531%	1	1198	2.6742%	1
1740	1.8320%	1	1226	2.6939%	1
2277	2.0683%	1	1316	2.7572%	1
2073	1.9785%	1	1579	2.9422%	1
1864	1.8866%	1	1578	2.9415%	1
1881	1.8940%	1	1545	2.9183%	1
1920	1.9112%	1	1523	2.9028%	1
1983	1.9389%	1	1440	2.8444%	1
1894	1.8998%	1	1287	2.7368%	1
1988	1.9411%	1	1396	2.8135%	1
2171	2.0216%	1	1617	2.9689%	1
2183	2.0269%	1	1573	2.9380%	1
1640	1.7880%	1	1561	2.9295%	1
1518	1.7343%	1	1586	2.9471%	1
1663	1.7981%	1	1544	2.9176%	1
1726	1.8258%	1	1363	2.7903%	1
1688	1.8091%	1	1400	2.8163%	1
1700	1.8144%	1	1597	2.9549%	1
1650	1.7924%	1	1601	2.9577%	1
1397	1.6811%	1	1613	2.9661%	1
1360	1.6648%	1	1696	2.9952%	1
1548	1.7475%	1	1655	2.9956%	1
1760	1.8408%	1	1473	2.8676%	1
1774	1.8470%	1	1483	2.8747%	1
1764	1.8426%	1	1836	2.9248%	1
1486	1.7202%	1	1795	2.9454%	1
1293	1.6353%	1	1738	2.9741%	1
1422	1.6921%	1	1607	2.9619%	1
1757	1.8395%	1	1384	2.8050%	1
1742	1.8329%	1	1291	2.7396%	1
1567	1.7559%	1	1407	2.8212%	1
1607	1.7735%	1	1581	2.9436%	1
1529	1.7392%	1	1534	2.9105%	1
1359	1.6643%	1	1451	2.8522%	1
1382	1.6745%	1	1426	2.8346%	1
1573	1.7585%	1	1258	2.7164%	1

1646	1.7906%	1	1258	2.7164%	1
1697	1.8131%	1	1241	2.7045%	1
1759	1.8404%	1	1344	2.7769%	1
1856	1.8830%	1	1600	2.9570%	1
1609	1.7744%	1	1561	2.9295%	1
1344	1.6577%	1	1589	2.9492%	1
1507	1.7295%	1	1592	2.9513%	1
1582	1.7625%	1	1465	2.8620%	1
1667	1.7999%	1	1376	2.7994%	1
1857	1.8835%	1	1451	2.8522%	1
1757	1.8395%	1	1548	2.9204%	1
1531	1.7400%	1	1549	2.9211%	1
1318	1.6463%	1	1555	2.9253%	1
1313	1.6441%	1	1510	2.8937%	1
1594	1.7678%	1	1376	2.7994%	1
1549	1.7480%	1	1205	2.6791%	1
1477	1.7163%	1	1242	2.7052%	1
1419	1.6908%	1	1442	2.8458%	1
1252	1.6173%	1	1438	2.8430%	1
1291	1.6344%	1	1411	2.8240%	1
1470	1.7132%	1	1430	2.8374%	1
1470	1.7132%	1	1320	2.7600%	1
1481	1.7180%	1	1203	2.6777%	1
1478	1.7167%	1	1289	2.7382%	1
1488	1.7211%	1	1475	2.8690%	1
1224	1.6049%	1	1431	2.8381%	1
1240	1.6120%	1	1409.082889	2.8227%	1
1458	1.7079%	1	1429	2.8367%	1
1434	1.6974%	1	1322	2.7614%	1
1476	1.7158%	1	1206	2.6798%	1
1472	1.7141%	1	1262	2.7192%	1
1377	1.6723%	1	1375	2.7987%	1
1193	1.5913%	1	1406	2.8205%	1
1320	1.6472%	1	1428	2.8360%	1
1476	1.7158%	1	1451	2.8522%	1
1465	1.7110%	1	1270	2.7249%	1
1459	1.7084%	1	1155	2.6440%	1
1464.887552	1.7109%	1	1235	2.7002%	1
1388	1.6771%	1	1363	2.7903%	1
1240	1.6120%	1	1374	2.7980%	1
1288	1.6331%	1	1352	2.7825%	1
1485	1.7198%	1	1402	2.8177%	1
1470	1.7132%	1	1412	2.8247%	1
1461	1.7092%	1	1227	2.6946%	1
1468	1.7123%	1	1215	2.6862%	1
1377	1.6723%	1	1347	2.7790%	1
1210	1.5988%	1	1402	2.8177%	1
1233	1.6089%	1	1433	2.8395%	1
1455	1.7066%	1	1411	2.8240%	1
1451	1.7048%	1	1344	2.7769%	1
1466	1.7114%	1	1192	2.6700%	1
1595	1.7682%	1	1270	2.7249%	1
1404	1.6841%	1	1405	2.8198%	1
1191	1.5904%	1	1425	2.8339%	1
1272	1.6261%	1	1408	2.8219%	1

1468	1.7123%	1	1399.4	2.8159%	1
1475	1.7154%	1	1284	2.7347%	1
1488	1.7211%	1	1128	2.6250%	1
1458	1.7079%	1	1232	2.6981%	1
1436	1.6982%	1	1358	2.7868%	1
1249	1.6159%	1	1366	2.7924%	1
1267	1.6239%	1	1407	2.8212%	1
1438	1.6991%	1	1399	2.8156%	1
1459	1.7084%	1	1346	2.7783%	1
1471	1.7136%	1	1232	2.6981%	1
1442	1.7009%	1	1309	2.7523%	1
1349	1.6599%	1	1427.5	2.8356%	1
1115	1.5570%	1	1396	2.8135%	1
1182	1.5865%	1	1388	2.8079%	1
1038	1.5231%	1	1410	2.8233%	1
1110	1.5548%	1	1329	2.7664%	1
1304	1.6401%	1	1161.41052	2.6485%	1
1319	1.6467%	1	1233.265539	2.6990%	1
1325	1.6494%	1	1351	2.7818%	1
1282	1.6305%	1	1401	2.8170%	1
1212	1.5997%	1	1392	2.8107%	1
1052	1.5293%	1	1353	2.7832%	1
1142	1.5689%	1	1249	2.7101%	1
1284	1.6313%	1	1142.6	2.6353%	1
1303	1.6397%	1	1149	2.6398%	1
1287	1.6327%	1	1356	2.7853%	1
1300	1.6384%	1	1332	2.7685%	1
1218	1.6023%	1	1353	2.7832%	1
1073	1.5385%	1	1371	2.7959%	1
1126	1.5618%	1	1237	2.7017%	1
1336	1.6542%	1	1047	2.5680%	1
1309	1.6423%	1	1160	2.6475%	1
1312	1.6437%	1	1287	2.7368%	1
1313	1.6441%	1	1246	2.7080%	1
1219	1.6027%	1	1238	2.7024%	1
1078	1.5407%	1	1201	2.6763%	1
1114	1.5565%	1	1036	2.5603%	1
1324	1.6489%	1	989	2.5272%	1
1305	1.6406%	1	1035	2.5596%	1
1336	1.6542%	1	1291	2.7396%	1
1359	1.6643%	1	1332	2.7685%	1
1331	1.6520%	1	1269	2.7242%	1
1194	1.5917%	1	1333.138997	2.7693%	1
1173	1.5825%	1	1240	2.7038%	1
1224	1.6049%	1	1078	2.5898%	1
1330	1.6516%	1	1168	2.6531%	1
1340	1.6560%	1	1303	2.7481%	1
1338	1.6551%	1	1280	2.7319%	1
1298	1.6375%	1	1283	2.7340%	1
1466	1.7114%	1	1295	2.7424%	1
1360	1.6648%	1	1202	2.6770%	1
1560	1.7528%	1	1058	2.5758%	1
1566	1.7554%	1	1150	2.6405%	1
1733	1.8289%	1	1290	2.7389%	1
1553	1.7497%	1	1272	2.7263%	1

1539	1.7436%	1	1311	2.7537%	1
1332	1.6525%	1	1344	2.7769%	1
1284	1.6313%	1	1243	2.7059%	1
1369	1.6687%	1	1056	2.5743%	1
1400.079087	1.6824%	1	1154.6	2.6437%	1
1364	1.6665%	1	1280	2.7319%	1
1362	1.6657%	1	1276	2.7291%	1
1275	1.6274%	1	1284	2.7347%	1
1169	1.5807%	1	1273	2.7270%	1
1290	1.6340%	1	1191	2.6693%	1
1587	1.7647%	1	1310	2.7530%	1
1726	1.8258%	1	1334	2.7699%	1
1585	1.7638%	1	1559	2.9281%	1
1722	1.8241%	1	1313	2.7551%	1
1632	1.7845%	1	1220	2.6897%	1
1485	1.7198%	1	1118	2.6180%	1
1590	1.7660%	1	1154	2.6433%	1
1440	1.7000%	1	1301	2.7467%	1
1415	1.6890%	1	1306	2.7502%	1
1477	1.7163%	1	1322	2.7614%	1
1783	1.8509%	1	1337	2.7720%	1
1450	1.7044%	1	1234	2.6995%	1
1547	1.7471%	1	1073	2.5863%	1
1627	1.7823%	1	1187	2.6665%	1
1739	1.8316%	1	1341	2.7748%	1
1548	1.7475%	1	1383	2.8043%	1
1615	1.7770%	1	1533	2.9098%	1
1591	1.7664%	1	1328	2.7657%	1
1405	1.6846%	1	1194	2.6714%	1
1214	1.6005%	1	1115	2.6158%	1
1352	1.6613%	1	1178	2.6602%	1
1544	1.7458%	1	1308	2.7516%	1
1540	1.7440%	1	1341	2.7748%	1
1671	1.8016%	1	1181	2.6623%	1
1891	1.8984%	1	1027	2.5540%	1
1636	1.7862%	1	1093	2.6004%	1
1443	1.7013%	1	1120	2.6194%	1
1459	1.7084%	1	1223	2.6918%	1
1607	1.7735%	1	1452	2.8529%	1
1597	1.7691%	1	1429	2.8367%	1
1811.930816	1.8636%	1	1412	2.8247%	1
1903	1.9037%	1	1362	2.7896%	1
1689	1.8096%	1	1275	2.7284%	1
1703	1.8157%	1	1170	2.6545%	1
1763	1.8421%	1	1298	2.7446%	1
1768	1.8443%	1	1471	2.8662%	1
1712	1.8197%	1	1426	2.8346%	1
1809	1.8624%	1	1411	2.8240%	1
1985	1.9398%	1	1432	2.8388%	1
1988	1.9411%	1	1474	2.8683%	1
1482	1.7185%	1	1222	2.6911%	1
1385	1.6758%	1	1305	2.7495%	1
1554	1.7502%	1	1437	2.8423%	1
1581	1.7620%	1	1447	2.8494%	1
1556	1.7510%	1	1452	2.8529%	1



1342	1.6569%	1
1344	1.6577%	1
1255	1.6186%	1
1132	1.5645%	1
1216	1.6014%	1
1362	1.6657%	1
1339	1.6555%	1
1354	1.6621%	1
1474	1.7150%	1
1230	1.6076%	1
1113	1.5561%	1
1174	1.5829%	1
1320	1.6472%	1
1335	1.6538%	1
1334	1.6533%	1
1341	1.6564%	1
1255	1.6186%	1
1096	1.5486%	1
1204	1.5961%	1
1332	1.6525%	1
1358	1.6639%	1
1354	1.6621%	1
1324	1.6489%	1
1285	1.6318%	1
1146	1.5706%	1
1196	1.5926%	1
1311	1.6432%	1
1338	1.6551%	1
1316	1.6454%	1
1312	1.6437%	1
1220	1.6032%	1
1076	1.5398%	1
1124	1.5609%	1
	0.0000%	0

**Total Hours:** 4416

"Total Hours:" should be 4416 or 4417 depending upon how EMS system handles Daylight Savings Time in October