

Program Summary - NBALogisticRegressionModel.sas

Execution Environment

Author: pflaming@mail.smu.edu
 File: /home/pflaming0/MSDS 6372/Project 2/NBALogisticRegressionModel.sas
 SAS Platform: Linux LIN X64 3.10.0-693.21.1.el7.x86_64
 SAS Host: ODAWS02.ODA.SAS.COM
 SAS Version: 9.04.01M5P09132017
 SAS Locale: en_US
 Submission Time: 12/5/2018, 10:40:26 PM
 Browser Host: 76-219-146-242.LIGHTSPEED.HSTNTX.SBCGLOBAL.NET
 User Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_1) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/12.0.1 Safari/605.1.15
 Application Server: ODAMID02-PROD-US.ODA.SAS.COM

Code: NBALogisticRegressionModel.sas

```

/* Generated Code (IMPORT) */
/* Source File: CombinedDataCleaned4.csv */
/* Source Path: /home/pflaming0/MSDS 6372/Project 2 */
/* Code generated on: 12/3/18, 4:55 PM */

%web_drop_table(WORK.IMPORT);

FILENAME REFFILE '/home/pflaming0/MSDS 6372/Project 2/CombinedDataCleaned4.csv';

PROC IMPORT DATAFILE=REFFILE
  DBMS=CSV
  OUT=WORK.IMPORT;
  GETNAMES=YES;
RUN;

PROC CONTENTS DATA=WORK.IMPORT; RUN;

%web_open_table(WORK.IMPORT);

/* Code to Create Table of Imported Datafile */
PROC SQL;
CREATE TABLE WORK.query AS
SELECT VAR1 , cid , 'Name'n , BirthDate , Height , Weight , YearStart , YearEnd , 'Position'n , PositionsPlayed , Colle
RUN;
QUIT;

PROC DATASETS NOLIST NODETAILS;
CONTENTS DATA=WORK.query OUT=WORK.details;
RUN;

PROC PRINT DATA=WORK.details;
RUN;

/* Rename WORK.IMPORT as NBA_Rookies and Add Binary Predictors for Logistic Regression Model*/
DATA NBA_Rookies;
SET work.import;
IF AST >= 1.53 THEN Team_Player = 1; ELSE Team_Player = 0; /* binary predictor for Passing */
IF BLK >= 0.355 THEN Team_Beast = 1; ELSE Team_Beast = 0; /* binary predictor for Blocking */
IF STL >= 0.611 THEN Team_Thief = 1; ELSE Team_Thief = 0; /* binary predictor for Stealing */
IF TOV >= 1.17 THEN Team_Turnover = 1; ELSE Team_Turnover = 0; /* binary predictor for Turnover */
RUN;

/* Subset NBA_Rookies into 70/30 train and test Subsets */
data train test;
set NBA_Rookies;
if rand('uniform') <= 0.3
then output test; /* 392 Observations */
else output train; /* 891 Observations */

```

```

run;

/* Delete the Predictor values of Target_5yrs in the test Subset */
data test;
set test;
IF Target_5yrs = 0 OR 1 THEN Target_5yrs = INT(.);
run;

/* Sort train Subset in Ascending College Order */
PROC SORT DATA=train;
BY College;
RUN;

proc print data=train;
run;

/* Sort test Subset in Ascending College Order */
PROC SORT DATA=test;
BY College;
RUN;

/* EDA of Predictors for Logistic Regression Model */
PROC PRINCOMP DATA=train OUT=pca1 OUTSTAT=stats plots=all;
*BY Target_5yrs;
VAR Height Weight YearStart PositionsPlayed GP 'MIN'n PTS FGM FGA FGPer X3PMade X3PA X3Per FTM FTA FTPer OREB DREB REB
RUN;

/* EDA of Predictors -X3PMade & -X3Per for Logistic Regression Model */
PROC PRINCOMP DATA=train OUT=pca2 OUTSTAT=stats plots=all;
*BY Target_5yrs;
VAR Height Weight YearStart PositionsPlayed GP 'MIN'n PTS FGM FGA FGPer X3PA FTM FTA FTPer OREB DREB REB AST STL BLK TO
RUN;

/* EDA of Predictors -X3PMade & -X3Per & -Weight & -YearStart & -PositionsPlayed & -BLK & -STL for Logistic Regression
PROC PRINCOMP DATA=train OUT=pca3 OUTSTAT=stats plots=all;
*BY Target_5yrs;
VAR Height GP 'MIN'n PTS FGM FGA FGPer X3PA FTM FTA FTPer OREB DREB REB AST;
RUN;

/* EDA of Predictors -X3PMade & -X3Per & -Weight & -YearStart & -PositionsPlayed & -BLK & -STL & -DREB for Logistic Reg
PROC PRINCOMP DATA=train OUT=pca4 OUTSTAT=stats plots=all;
*BY Target_5yrs;
VAR Height GP 'MIN'n PTS FGM FGA FGPer X3PA FTM FTA FTPer OREB REB AST;
RUN;

/* EDA of Predictors -X3PMade & -X3Per & -Weight & -YearStart & -PositionsPlayed & -BLK & -STL & -DREB & -OREB & -REB &
PROC PRINCOMP DATA=train OUT=pca5 OUTSTAT=stats plots=all;
*BY Target_5yr;
VAR Height GP 'MIN'n PTS FGM FGA FGPer X3PA FTM FTA FTPer;
RUN;

/* EDA of Predictors -X3PMade & -X3Per & -Weight & -YearStart & -PositionsPlayed & -BLK & -STL & -DREB & -OREB & -REB &
PROC PRINCOMP DATA=train OUT=pca6 OUTSTAT=stats plots=all;
*BY Target_5yr;
VAR Height PTS FGPer X3PA FTPer;
RUN;

/* EDA of Predictors -X3PMade & -X3Per & -Weight & -YearStart & -PositionsPlayed & -BLK & -STL & -DREB & -OREB & -REB &
PROC PRINCOMP DATA=train OUT=pca7 OUTSTAT=stats plots=all;
*BY Target_5yr;
VAR Height PTS X3PA FTPer;
RUN;

/* Scatter Plot Matrix of Predictor Variables */
proc sgscatter data=train;
matrix Height PTS X3PA FTPer / group=target_5yrs;
run;

/* Compute Measures of Association and Explore Strength of Relationship Between Retention and College */
PROC FREQ DATA=train;
BY College;
TABLES Target_5yrs * College / all plots=freqplot (twoway=grouphorizontal);
TITLE;
RUN;

/* Statistics for Table of TARGET_5Yrs by College

```

Statistic	DF	Value	Prob
Chi-Square	211	230.2707	0.1728
Likelihood Ratio Chi-Square	211	284.2120	0.0006
Mantel-Haenszel Chi-Square	1	0.4046	0.5247
Phi Coefficient		0.4903	
Contingency Coefficient		0.4402	
Cramer's V		0.4903	

```
/* Compute Measures of Association and Explore Strength of Relationship Between Retention and BirthDate */
```

```
PROC FREQ DATA=train;
  TABLES Target_5yrs * BirthDate / all plots=freqplot (twoway=grouphorizontal);
  TITLE;
RUN;
```

```
/* Statistics for Table of TARGET_5Yrs by BirthDate
```

Statistic	DF	Value	Prob
Chi-Square	883	868.7179	0.6277
Likelihood Ratio Chi-Square	883	1156.4850	<.0001
Mantel-Haenszel Chi-Square	1	7.7021	0.0055
Phi Coefficient		0.9439	
Contingency Coefficient		0.6864	
Cramer's V		0.9439	

```
/* Compute Measures of Association and Explore Strength of Relationship Between Retention and GP_Level */
```

```
PROC FREQ DATA=train;
  TABLES Target_5yrs * GP_Level / all plots=freqplot (twoway=grouphorizontal);
  TITLE;
RUN;
```

```
/* 64.78% of Players with GP_Level = 3 are Retained and 32.98% are Not */
/* 32.72% of Players with GP_Level = 2 are Retained and 56.30% are Not */
/* 02.49% of Players with GP_Level = 1 are Retained and 10.72% are Not */
/* 61.74% of Players with any GP_Level are Retained and 38.26% are Not */
/* Chi-Square<0.0001|Likelihood Ratio Chi-Square<0.0001|Mantel-Haenszel Chi-Square<0.0001 */
```

```
/* Compute Measures of Association and Explore Strength of Relationship Between Retention and MIN_Level */
```

```
PROC FREQ DATA=train;
  TABLES Target_5yrs * MIN_Level / all plots=freqplot (twoway=grouphorizontal);
  TITLE;
RUN;
```

```
/* Compute Measures of Association and Explore Strength of Relationship Between Retention and School_Power */
```

```
PROC FREQ DATA=train;
  TABLES Target_5yrs * School_Power / all plots=freqplot (twoway=grouphorizontal);
  TITLE;
RUN;
```

```
/* Compute Measures of Association and Explore Strength of Relationship Between Retention and Position */
```

```
PROC FREQ DATA=train;
  TABLES Target_5yrs * 'Position'n / all plots=freqplot (twoway=grouphorizontal);
  TITLE;
RUN;
```

```
/* GLIMMIX Regression Model for Target_5yrs Response */
```

```
PROC GLIMMIX data=train plots=ALL ;
  CLASS College 'Position'n Birth_Month School_Power GP_Level MIN_Level;
  MODEL Target_5yrs(event='1') = College 'Position'n CID GP 'MIN'n PTS FGM FGA FGPer X3PMade X3PA X3Per FTM FTA FTPer
  *LSMEANS College;
  TITLE 'GLIMMIX Regression of Target_5yrs';
RUN;
```

```
/* Cluster Analysis for training subset */
```

```
proc cluster data=train plots=all method=average k=10 rmsstd rsquare outtree=tree;
BY Notsorted School_Power GP_Level MIN_Level;
*FREQ Target_5yrs;
var Height PTS X3PA FTPer;
title 'Cluster Analysis for Training Subset';
run;
```

```
proc tree data=tree;
BY Notsorted School_Power GP_Level MIN_Level;
*FREQ Target_5yrs;
```

```

COPY Height PTS X3PA FTPer;
title 'Tree for Cluster Analysis of Training Subset';
run;

/* logit1 is the best model to use */
/* A General Cumulative Logit Model with alpha level=0.05 */
proc logistic data=train alpha=0.05 outest=logit1 rocoptions(crossvalidate) plots=all;
  class 'Position'n Birth_Month School_Power GP_Level MIN_Level;
  model Target_5yrs(event='1') = 'Position'n GP 'MIN'n PTS FGM*FGA FGPer X3PMade*X3PA X3Per FTM*FTA FTPer OREB*DREB R
    link=clogit selection=stepwise sle=0.05 sls=0.05 maxiter=100 rsquare influence lackfit;
  score data=test out=logit_test1;
  ods output association=logit_test1_assoc;
run;

/* A General Cumulative Logit Model with alpha level=0.10 */
proc logistic data=train alpha=0.01 outest=logit2 rocoptions(crossvalidate) plots=all;
  class 'Position'n School_Power GP_Level MIN_Level;
  model Target_5yrs(event='1') = 'Position'n GP 'MIN'n PTS FGPer X3Per FTPer OREB*DREB AST*STL BLK*TOV YearStart Posi
    event='1' link=clogit selection=stepwise sle=0.50 sls=0.50 maxiter=100 rsquare influence lackfit;
  score data=test out=logit_test2;
  ods output association=logit_test2_assoc;
run;

/* A General Cumulative Logit Model with alpha level=0.10 */
proc logistic data=train alpha=0.10 outest=logit3 rocoptions(crossvalidate) plots=all;
  class 'Position'n School_Power GP_Level MIN_Level Team_Player Team_Beast Team_Thief Team_Turnover Birth_Month;
  model Target_5yrs(event='1') = PTS GP*FGPer X3Per GP*FTPer OREB*DREB AST*STL BLK*TOV GP*YearStart PositionsPlayed H
    event='1' link=clogit selection=stepwise sle=0.50 sls=0.50 maxiter=100 rsquare;
  score data=test out=logit_test3;
  ods output association=logit_test3_assoc;
run;

/* A General Cumulative Logit Model with alpha level=0.10 */
proc logistic data=train alpha=0.01 outest=logit4 rocoptions(crossvalidate) plots=all;
  class 'Position'n School_Power GP_Level MIN_Level Team_Player Team_Beast Team_Thief Team_Turnover;
  model Target_5yrs(event='1') = 'Position'n Height GP_Level MIN_Level PTS X3PA FTPer School_Power Team_Player Team_B
    event='1' link=clogit selection=stepwise sle=0.05 sls=0.05 maxiter=100 rsquare influence lackfit;
  score data=test out=logit_test4;
  ods output association=logit_test4_assoc;
run;

```

Log: NBALogisticRegressionModel.sas

Notes (16)

```

1      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
NOTE: ODS statements in the SAS Studio environment may disable some output features.
71
72      /* logit1 is the best model to use */
73      /* A General Cumulative Logit Model with alpha level=0.05 */
74      proc logistic data=train alpha=0.05 outest=logit1 rocoptions(crossvalidate) plots=all;
75      class 'Position'n Birth_Month School_Power GP_Level MIN_Level;
76      model Target_5yrs(event='1') = 'Position'n GP 'MIN'n PTS FGM*FGA FGPer X3PMade*X3PA X3Per FTM*FTA FTPer OREB*DREB REB
77      ! AST STL BLK TOV YearStart PositionsPlayed Height*Weight School_Power Birth_Month GP_Level MIN_Level /
78      link=clogit selection=stepwise sle=0.05 sls=0.05 maxiter=100 rsquare influence lackfit;
79      score data=test out=logit_test1;
80      ods output association=logit_test1_assoc;
      run;

NOTE: PROC LOGISTIC is modeling the probability that TARGET_5Yrs='1'.
NOTE: Convergence criterion (GCONV=1E-8) satisfied in Step 0.
NOTE: Convergence criterion (GCONV=1E-8) satisfied in Step 1.
NOTE: Convergence criterion (GCONV=1E-8) satisfied in Step 2.
NOTE: Convergence criterion (GCONV=1E-8) satisfied in Step 3.
NOTE: Convergence criterion (GCONV=1E-8) satisfied in Step 4.
NOTE: Convergence criterion (GCONV=1E-8) satisfied in Step 5.
NOTE: Convergence criterion (GCONV=1E-8) satisfied in Step 6.
NOTE: Convergence criterion (GCONV=1E-8) satisfied in Step 7.
NOTE: Convergence criterion (GCONV=1E-8) satisfied in Step 8.
NOTE: The data set WORK.LOGIT_TEST1_ASSOC has 4 observations and 6 variables.
NOTE: There were 887 observations read from the data set WORK.TRAIN.
NOTE: The data set WORK.LOGIT1 has 1 observations and 47 variables.
NOTE: The data set WORK.LOGIT_TEST1 has 396 observations and 45 variables.

```

```
NOTE: PROCEDURE LOGISTIC used (Total process time):
      real time           11.26 seconds
      user cpu time       8.90 seconds
      system cpu time     0.17 seconds
      memory              33215.18k
      OS Memory           74256.00k
      Timestamp           12/06/2018 04:40:26 AM
      Step Count           198   Switch Count   17
      Page Faults          0
      Page Reclaims       10505
      Page Swaps           0
      Voluntary Context Switches 66863
      Involuntary Context Switches 18
      Block Input Operations 0
      Block Output Operations 18632

81
82
83      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
95
```

Results: NBALogisticRegressionModel.sas

The LOGISTIC Procedure	
Model Information	
Data Set	WORK.TRAIN
Response Variable	TARGET_5Yrs
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	887
Number of Observations Used	887

Response Profile		
Ordered Value	TARGET_5Yrs	Total Frequency
1	0	335
2	1	552

Probability modeled is TARGET_5Yrs='1'.

Stepwise Selection Procedure												
Class Level Information												
Class	Value	Design Variables										
Position	C	1	0	0	0	0	0					
	C-F	0	1	0	0	0	0					
	F	0	0	1	0	0	0					
	F-C	0	0	0	1	0	0					
	F-G	0	0	0	0	1	0					
	G	0	0	0	0	0	1					
	G-F	-1	-1	-1	-1	-1	-1					
Birth_Month	Apr	1	0	0	0	0	0	0	0	0	0	0
	Aug	0	1	0	0	0	0	0	0	0	0	0
	Dec	0	0	1	0	0	0	0	0	0	0	0
	Feb	0	0	0	1	0	0	0	0	0	0	0
	Jan	0	0	0	0	1	0	0	0	0	0	0
	Jul	0	0	0	0	0	1	0	0	0	0	0
	Jun	0	0	0	0	0	0	1	0	0	0	0
	Mar	0	0	0	0	0	0	0	1	0	0	0
	May	0	0	0	0	0	0	0	0	1	0	0
	Nov	0	0	0	0	0	0	0	0	0	1	0
School_power	Oct	0	0	0	0	0	0	0	0	0	0	1
	Sep	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
	Mid	1	0									
	Power	0	1									
	scrappy	-1	-1									
	GP_level	High	1	0								
		Low	0	1								
		Medium	-1	-1								
	MIN_level	High	1									
		Normal	-1									

Step 0. Intercept entered:	
Model Convergence Status	

Convergence criterion (GCONV=1E-8) satisfied.

-2 Log L = 1176.012

Residual Chi-Square Test		
Chi-Square	DF	Pr > ChiSq
218.1459	39	<.0001

Step 1. Effect GP entered:

Model Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	1178.012	1046.166
SC	1182.800	1055.741
-2 Log L	1176.012	1042.166

R-Square	0.1401	Max-rescaled R-Square	0.1907
----------	--------	-----------------------	--------

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	133.8467	1	<.0001
Score	129.7371	1	<.0001
Wald	114.9600	1	<.0001

Residual Chi-Square Test		
Chi-Square	DF	Pr > ChiSq
106.4239	38	<.0001

Note: No effects for the model in Step 1 are removed.

Step 2. Effect REB entered:

Model Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	1178.012	1019.032
SC	1182.800	1033.396
-2 Log L	1176.012	1013.032

R-Square	0.1679	Max-rescaled R-Square	0.2285
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Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	162.9803	2	<.0001
Score	150.2260	2	<.0001
Wald	128.9708	2	<.0001

Residual Chi-Square Test		
Chi-Square	DF	Pr > ChiSq
81.1318	37	<.0001

Note: No effects for the model in Step 2 are removed.

Step 3. Effect YearStart entered:

Model Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	1178.012	1001.532
SC	1182.800	1020.683
-2 Log L	1176.012	993.532

R-Square	0.1859	Max-rescaled R-Square	0.2532
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Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	182.4806	3	<.0001
Score	164.4349	3	<.0001
Wald	136.5937	3	<.0001

Residual Chi-Square Test		
Chi-Square	DF	Pr > ChiSq
63.1685	36	0.0034

Note: No effects for the model in Step 3 are removed.

Step 4. Effect FTPer entered:

Model Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	1178.012	991.831
SC	1182.800	1015.770
-2 Log L	1176.012	981.831

R-Square	0.1966	Max-rescaled R-Square	0.2677
----------	--------	-----------------------	--------

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	194.1820	4	<.0001
Score	172.5776	4	<.0001
Wald	141.0368	4	<.0001

Residual Chi-Square Test		
Chi-Square	DF	Pr > ChiSq
52.9043	35	0.0266

Note: No effects for the model in Step 4 are removed.

Step 5. Effect FGPer entered:

Model Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	1178.012	988.674
SC	1182.800	1017.401
-2 Log L	1176.012	976.674

R-Square	0.2013	Max-rescaled R-Square	0.2741
----------	--------	-----------------------	--------

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	199.3388	5	<.0001
Score	178.3095	5	<.0001
Wald	144.5381	5	<.0001

Residual Chi-Square Test		
Chi-Square	DF	Pr > ChiSq
47.8314	34	0.0581

Note: No effects for the model in Step 5 are removed.

Step 6. Effect PositionsPlayed entered:

Model Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	1178.012	986.365
SC	1182.800	1019.880

-2 Log L	1176.012	972.365
----------	----------	---------

R-Square	0.2051	Max-rescaled R-Square	0.2793
----------	--------	-----------------------	--------

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	203.6474	6	<.0001
Score	181.8113	6	<.0001
Wald	146.7684	6	<.0001

Residual Chi-Square Test		
Chi-Square	DF	Pr > ChiSq
43.9290	33	0.0968

Note: No effects for the model in Step 6 are removed.

Step 7. Effect Birth_Month entered:

Model Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	1178.012	988.368
SC	1182.800	1074.549
-2 Log L	1176.012	952.368

R-Square	0.2229	Max-rescaled R-Square	0.3035
----------	--------	-----------------------	--------

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	223.6448	17	<.0001
Score	198.0027	17	<.0001
Wald	156.9197	17	<.0001

Residual Chi-Square Test		
Chi-Square	DF	Pr > ChiSq
24.8791	22	0.3029

Step 8. Effect Birth_Month is removed:

Model Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	1178.012	986.365
SC	1182.800	1019.880
-2 Log L	1176.012	972.365

R-Square	0.2051	Max-rescaled R-Square	0.2793
----------	--------	-----------------------	--------

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	203.6474	6	<.0001
Score	181.8113	6	<.0001
Wald	146.7684	6	<.0001

Residual Chi-Square Test		
Chi-Square	DF	Pr > ChiSq
43.9290	33	0.0968

Note: No effects for the model in Step 8 are removed.

Note: Model building terminates because the last effect entered is removed by the Wald statistic criterion.

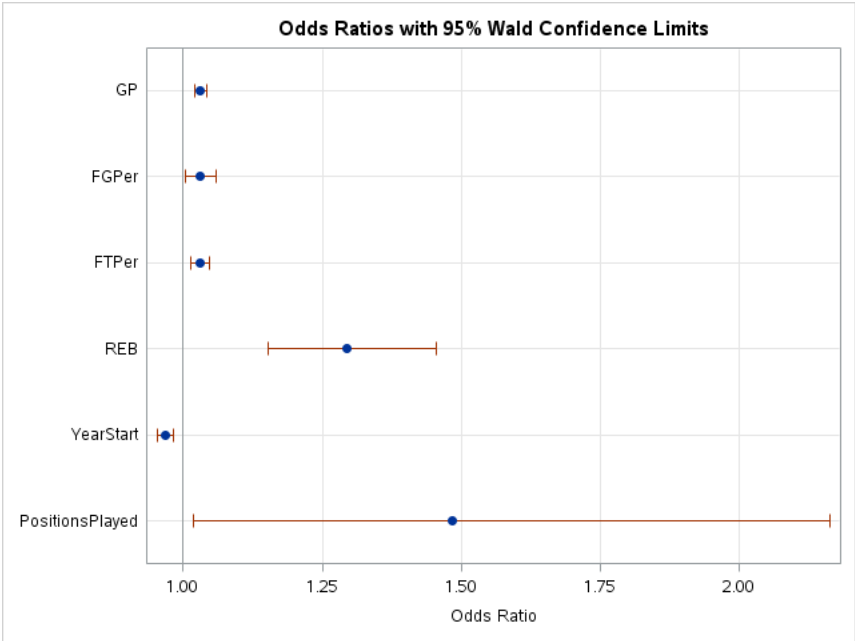
Summary of Stepwise Selection							
Step	Effect		DF	Number In	Score Chi-Square	Wald Chi-Square	Pr > ChiSq
	Entered	Removed					
1	GP		1	1	129.7371		<.0001
2	REB		1	2	26.8311		<.0001

3	YearStart		1	3	19.4032		<.0001
4	FTPer		1	4	11.5808		0.0007
5	FGPer		1	5	5.1474		0.0233
6	PositionsPlayed		1	6	4.2623		0.0390
7	Birth_Month		11	7	19.8139		0.0480
8		Birth_Month	11	6		19.4300	0.0538

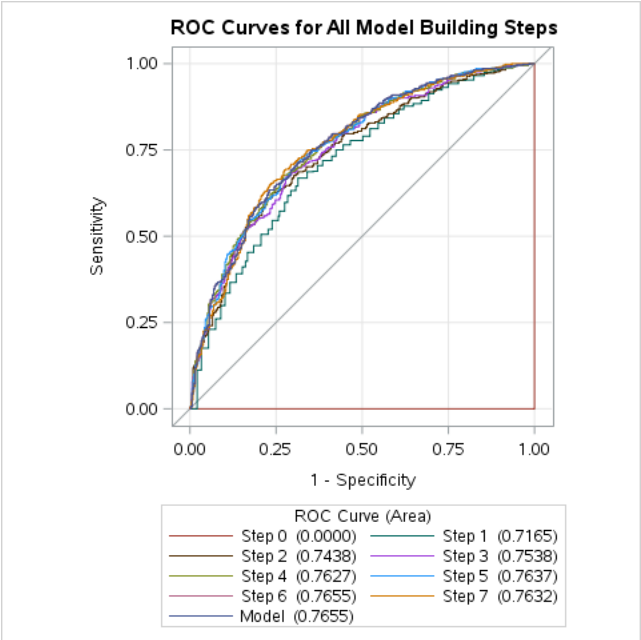
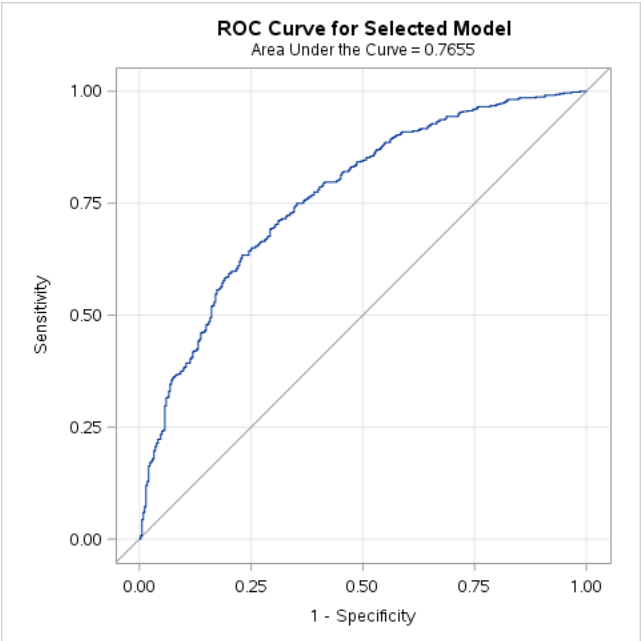
Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
GP	1	34.3305	<.0001
FGPer	1	4.7415	0.0294
FTPer	1	13.8201	0.0002
REB	1	18.8512	<.0001
YearStart	1	18.7070	<.0001
PositionsPlayed	1	4.2358	0.0396

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	59.9807	15.2602	15.4491	<.0001
GP	1	0.0309	0.00528	34.3305	<.0001
FGPer	1	0.0307	0.0141	4.7415	0.0294
FTPer	1	0.0295	0.00795	13.8201	0.0002
REB	1	0.2588	0.0596	18.8512	<.0001
YearStart	1	-0.0330	0.00763	18.7070	<.0001
PositionsPlayed	1	0.3951	0.1920	4.2358	0.0396

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
GP	1.031	1.021	1.042
FGPer	1.031	1.003	1.060
FTPer	1.030	1.014	1.046
REB	1.295	1.153	1.456
YearStart	0.968	0.953	0.982
PositionsPlayed	1.485	1.019	2.163



Association of Predicted Probabilities and Observed Responses			
Percent Concordant	76.5	Somers' D	0.531
Percent Discordant	23.5	Gamma	0.531
Percent Tied	0.0	Tau-a	0.250
Pairs	184920	c	0.765



Partition for the Hosmer and Lemeshow Test					
Group	Total	TARGET_5Yrs = 1		TARGET_5Yrs = 0	
		Observed	Expected	Observed	Expected
1	89	17	18.52	72	70.48
2	89	31	31.29	58	57.71
3	89	42	40.90	47	48.10
4	89	48	48.25	41	40.75
5	89	55	55.08	34	33.92
6	89	61	61.06	28	27.94
7	89	70	66.96	19	22.04
8	89	72	72.33	17	16.67
9	89	77	77.11	12	11.89
10	86	79	80.50	7	5.50

Hosmer and Lemeshow Goodness-of-Fit Test		
Chi-Square	DF	Pr > ChiSq
1.2265	8	0.9964

Case Number	Covariates						Regression Diagnostics													Posi
	GP	FGPer	FTPer	REB	YearStart	PositionsPlayed	Pearson Residual	Deviance Residual	Hat Matrix Diagonal	Standardized Pearson Residual	Standardized Deviance Residual	Likelihood Residual	Intercept DfBeta	GP DfBeta	FGPer DfBeta	FTPer DfBeta	REB DfBeta	YearStart DfBeta		
1	26.0000	42.4000	50.0000	2.2000	2012.0	1.0000	-0.3951	-0.5386	0.00728	-0.3965	-0.5406	-0.5397	0.0133	0.0147	0.00279	0.0208	0.000332	-0.0147		
2	71.0000	46.4000	72.0000	2.7000	1982.0	2.0000	-2.4870	-1.9860	0.00534	-2.4937	-1.9913	-1.9943	-0.0840	-0.0451	-0.0185	-0.0296	0.0196	0.0881		
3	82.0000	51.2000	58.8000	12.1000	1981.0	2.0000	0.1116	0.1574	0.00351	0.1118	0.1576	0.1575	0.00248	-0.00082	-0.00159	0.000208	0.00591	-0.00247		
4	33.0000	49.7000	84.3000	3.3000	1991.0	2.0000	0.6158	0.8018	0.0167	0.6209	0.8086	0.8058	0.0211	-0.0488	0.0237	0.0497	0.0188	-0.0235		
5	76.0000	40.3000	80.8000	3.2000	2010.0	1.0000	0.6506	0.8402	0.00553	0.6524	0.8425	0.8416	-0.0207	0.0235	-0.0114	0.0118	0.00491	0.0205		
6	50.0000	42.1000	68.6000	0.8000	2001.0	1.0000	1.3323	1.4287	0.00397	1.3349	1.4316	1.4312	-0.0197	0.00170	0.0118	-0.0204	-0.0559	0.0210		
7	80.0000	51.9000	52.0000	4.8000	1982.0	2.0000	0.3292	0.4537	0.00593	0.3302	0.4550	0.4544	0.00835	0.00875	0.00256	-0.0101	0.00331	-0.00843		
8	39.0000	66.2000	90.0000	2.5000	2010.0	1.0000	0.7401	0.9347	0.0400	0.7554	0.9540	0.9468	-0.0327	-0.0477	0.1329	0.0785	-0.0272	0.0260		
9	63.0000	46.1000	58.3000	4.7000	1982.0	2.0000	0.4321	0.5851	0.00702	0.4336	0.5872	0.5863	0.0183	-0.00119	-0.00671	-0.00751	0.0152	-0.0182		
10	69.0000	52.4000	81.0000	3.3000	2006.0	1.0000	0.5546	0.7324	0.00623	0.5564	0.7347	0.7337	-0.0130	0.00702	0.0305	0.0202	-0.00418	0.0112		
11	59.0000	55.6000	55.1000	5.2000	1982.0	1.0000	-2.1023	-1.8385	0.00932	-2.1121	-1.8471	-1.8498	-0.1034	0.0368	-0.0682	0.0401	-0.0881	0.1035		
12	78.0000	48.4000	79.2000	2.6000	1995.0	1.0000	0.4812	0.6454	0.00409	0.4822	0.6467	0.6461	0.00330	0.0160	0.0142	0.0113	-0.00749	-0.00434		
13	56.0000	49.4000	76.9000	2.6000	2004.0	2.0000	0.6559	0.8460	0.00885	0.6589	0.8498	0.8483	-0.0182	-0.00323	0.0276	0.0200	-0.0143	0.0160		
14	51.0000	38.9000	66.7000	3.7000	2001.0	1.0000	-1.0269	-1.2000	0.00574	-1.0299	-1.2035	-1.2026	-0.00645	0.0248	0.0467	0.0149	-0.0503	0.00344		
15	74.0000	45.9000	66.4000	4.4000	1978.0	1.0000	0.3846	0.5253	0.00534	0.3857	0.5267	0.5261	0.0214	0.00399	-0.00350	-0.00026	0.0130	-0.0213		
16	49.0000	44.4000	73.2000	1.5000	1982.0	1.0000	-1.2275	-1.3557	0.00688	-1.2317	-1.3604	-1.3596	-0.0759	0.0288	-0.0175	-0.0274	0.0101	0.0763		
17	82.0000	46.8000	74.7000	8.3000	1987.0	1.0000	0.2077	0.2906	0.00497	0.2082	0.2913	0.2910	0.00630	-0.00058	-0.00330	0.00333	0.0128	-0.00634		
18	19.0000	29.7000	75.0000	0.4000	2003.0	1.0000	-0.3879	-0.5294	0.00730	-0.3893	-0.5314	-0.5305	-0.00066	0.0206	0.0175	-0.00249	-0.00169	-0.00045		
19	76.0000	45.7000	71.7000	5.2000	1989.0	1.0000	0.3740	0.5116	0.00416	0.3747	0.5127	0.5122	0.0120	0.00337	-0.00390	0.00357	0.0164	-0.0120		
20	70.0000	44.6000	73.8000	2.4000	1997.0	1.0000	-1.5079	-1.5401	0.00270	-1.5099	-1.5422	-1.5421	-0.00487	-0.0418	-0.0148	-0.00874	0.0195	0.00573		
21	78.0000	42.5000	76.3000	3.3000	2002.0	1.0000	0.5638	0.7430	0.00352	0.5648	0.7443	0.7437	-0.00440	0.0206	-0.00521	0.00461	0.00383	0.00423		
22	60.0000	36.8000	83.0000	0.7000	1994.0	1.0000	0.9033	1.0924	0.00637	0.9062	1.0959	1.0948	0.0182	0.0119	-0.0186	0.0303	-0.0251	-0.0182		
23	73.0000	42.8000	69.6000	2.7000	1983.0	2.0000	0.4340	0.5875	0.00590	0.4353	0.5892	0.5884	0.0147	0.0111	-0.00515	0.000399	-0.00209	-0.0150		
24	49.0000	36.4000	66.0000	0.6000	1989.0	1.0000	1.2921	1.4013	0.00640	1.2962	1.4058	1.4052	0.0421	-0.00296	-0.0440	-0.0314	-0.0324	-0.0382		
25	50.0000	44.9000	57.4000	2.9000	2015.0	1.0000	-0.6917	-0.8843	0.00795	-0.6945	-0.8878	-0.8865	0.0413	0.00231	-0.00281	0.0374	0.00445	-0.0431		
26	58.0000	43.7000	65.6000	3.1000	2011.0	2.0000	0.8630	1.0551	0.00995	0.8674	1.0604	1.0587	-0.0474	0.00851	-0.00467	-0.0197	-0.00807	0.0475		
27	20.0000	39.3000	85.7000	2.0000	2017.0	1.0000	-0.5220	-0.6943	0.0119	-0.5252	-0.6984	-0.6966	0.0187	0.0417	0.00140	-0.0262	-0.0104	-0.0187		
28	53.0000	38.0000	75.3000	1.3000	1995.0	1.0000	1.0417	1.2123	0.00371	1.0436	1.2145	1.2139	0.0184	-0.00463	-0.0238	0.0110	-0.0125	-0.0172		
29	82.0000	53.1000	62.4000	5.1000	2007.0	1.0000	0.4758	0.6388	0.00670	0.4774	0.6410	0.6400	-0.0133	0.0176	0.0138	-0.0113	0.00691	0.0129		
30	53.0000	43.3000	75.0000	2.3000	1995.0	1.0000	0.8474	1.0404	0.00267	0.8485	1.0418	1.0413	0.0161	-0.0132	0.00328	0.0172	0.00377	-0.0162		
31	73.0000	53.8000	60.9000	4.4000	2008.0	2.0000	-1.9793	-1.7848	0.00904	-1.9883	-1.7930	-1.7948	0.0855	-0.0583	-0.0751	0.0481	0.0161	-0.0819		
32	49.0000	32.8000	77.5000	1.0000	1995.0	1.0000	1.2079	1.3415	0.00683	1.2121	1.3461	1.3452	0.0281	-0.0152	-0.0651	0.0167	-0.00345	-0.0252		
33	68.0000	43.2000	76.2000	1.4000	1983.0	1.0000	0.6094	0.7947	0.00573	0.6111	0.7970	0.7961	0.0291	0.0139	0.00433	0.0113	-0.0136	-0.0296		
34	73.0000	46.8000	73.7000	3.9000	2008.0	2.0000	0.4968	0.6642	0.00649	0.4984	0.6664	0.6654	-0.0169	0.0126	0.00453	0.00402	0.000178	0.0160		
35	66.0000	39.7000	70.7000	2.0000	1985.0	2.0000	-1.7710	-1.6851	0.00786	-1.7780	-1.6918	-1.6925	-0.0612	-0.0373	0.0438	-0.00198	0.0218	0.0615		
36	51.0000	51.4000	68.9000	2.6000	2016.0	2.0000	-1.0607	-1.2278	0.0158	-1.0692	-1.2377	-1.2352	0.0863	0.00556	-0.0633	0.00229	0.0421	-0.0833		
37	21.0000	33.3000	50.0000	1.1000	1990.0	1.0000	-0.3965	-0.5403	0.00941	-0.3983	-0.5429	-0.5417	-0.0104	0.0181	0.0193	0.0203	-0.00330	0.00843		
38	82.0000	30.1000	78.1000	1.1000	1989.0	1.0000	0.6698	0.8609	0.0136	0.6743	0.8668	0.8645	0.0230	0.0440	-0.0496	-0.00110	-0.0115	-0.0215		
39	49.0000	43.5000	57.7000	1.5000	1983.0	2.0000	0.8666	1.0584	0.0118	0.8717	1.0647	1.0627	0.0346	-0.00481	-0.00426	-0.0317	-0.0253	-0.0337		
40	79.0000	53.6000	83.7000	3.8000	1984.0	2.0000	0.2399	0.3345	0.00385	0.2403	0.3351	0.3348	0.00493	0.00271	0.00635	0.00779	0.000187	-0.00562		
41	51.0000	42.2000	64.2000	2.1000	2014.0	1.0000	-0.6831	-0.8751	0.00576	-0.6850	-0.8777	-0.8767	0.0377	-0.00092	0.00136	0.0238	0.0127	-0.0390		
42	65.0000	47.6000	82.8000	1.5000	1990.0	1.0000	0.5996	0.7838	0.00620	0.6015	0.7862	0.7852	0.0151	0.00728	0.0241	0.0263	-0.0171	-0.0167		
43	59.0000	41.6000	70.6000	2.1000	1985.0	1.0000	-1.3585	-1.4462	0.00444	-1.3615	-1.4494	-1.4490	-0.0685	-0.00120	0.0171	-0.00471	-0.00391	0.0674		
44	53.0000	35.7000	86.2000	1.1000	1982.0	1.0000	0.7607	0.9556	0.0113	0.7651	0.9611	0.9591	0.0551	-0.0139	-0.0253	0.0441	0.00421	-0.0552		
45	61.0000	45.3000	76.2000	3.7000																

73	77.0000	37.1000	72.7000	2.2000	1998.0	1.0000	0.7081	0.9016	0.00578	0.7102	0.9042	0.9032	0.00142	0.0361	-0.0277	-0.00876	-0.00628	-0.00033
74	40.0000	39.1000	91.7000	0.8000	2012.0	1.0000	-0.7205	-0.9145	0.0109	-0.7244	-0.9195	-0.9176	0.0255	0.0269	-0.00599	-0.0486	0.0151	-0.0243
75	46.0000	58.3000	82.5000	1.3000	1982.0	2.0000	-1.9764	-1.7835	0.0192	-1.9956	-1.8008	-1.8048	-0.0707	0.0603	-0.1924	-0.1325	0.0858	0.0828
76	76.0000	51.4000	80.7000	5.9000	1992.0	1.0000	0.2879	0.3990	0.00411	0.2885	0.3999	0.3995	0.00640	-0.00019	0.00374	0.00896	0.0117	-0.00689
77	74.0000	35.2000	79.2000	1.5000	2004.0	2.0000	0.6883	0.8807	0.0131	0.6928	0.8865	0.8842	-0.0193	0.0356	-0.0280	0.00580	-0.0237	0.0191
78	36.0000	32.2000	64.7000	0.8000	1982.0	2.0000	1.2240	1.3532	0.0184	1.2354	1.3658	1.3636	0.0721	-0.0451	-0.0878	-0.0212	-0.00572	-0.0681
79	79.0000	49.0000	74.6000	7.6000	1986.0	1.0000	0.2268	0.3168	0.00469	0.2274	0.3175	0.3171	0.00725	-0.00083	-0.00168	0.00409	0.0129	-0.00737
80	19.0000	29.2000	50.0000	2.2000	2009.0	2.0000	2.6984	2.0562	0.0140	2.7175	2.0707	2.0812	-0.0587	-0.1209	-0.1902	-0.1466	0.0501	0.0720
81	76.0000	44.2000	62.7000	3.4000	2001.0	1.0000	0.6725	0.8638	0.00487	0.6741	0.8660	0.8651	-0.00834	0.0297	-0.00586	-0.0251	0.000581	0.00925
82	38.0000	56.8000	60.0000	1.9000	2007.0	1.0000	-0.7187	-0.9126	0.0147	-0.7240	-0.9193	-0.9168	0.0311	0.0235	-0.0682	0.0168	0.0322	-0.0301
83	35.0000	43.8000	63.0000	3.6000	2008.0	1.0000	1.3892	1.4663	0.00736	1.3944	1.4717	1.4711	-0.0286	-0.0784	-0.0110	-0.0255	0.0533	0.0318
84	75.0000	43.0000	70.7000	2.9000	1988.0	1.0000	-1.8792	-1.7384	0.00369	-1.8826	-1.7416	-1.7421	-0.0609	-0.0564	0.0183	0.00341	-0.00940	0.0604
85	81.0000	46.7000	74.5000	2.0000	1989.0	1.0000	0.4948	0.6618	0.00495	0.4960	0.6634	0.6627	0.00994	0.0228	0.0104	0.00355	-0.0135	-0.0106
86	53.0000	45.6000	58.5000	1.8000	2002.0	1.0000	1.2499	1.3718	0.00528	1.2532	1.3754	1.3748	-0.0278	0.00929	0.0203	-0.0608	-0.0396	0.0301
87	49.0000	37.6000	64.2000	1.2000	1993.0	1.0000	-0.7766	-0.9716	0.00488	-0.7785	-0.9740	-0.9731	-0.0152	0.00383	0.0246	0.0232	0.0116	0.0128
88	70.0000	52.3000	70.9000	10.6000	1983.0	1.0000	0.1690	0.2373	0.00627	0.1695	0.2380	0.2377	0.00582	-0.00350	-0.00157	0.00292	0.0124	-0.00586
89	51.0000	46.5000	68.0000	4.9000	1982.0	2.0000	0.4366	0.5907	0.00829	0.4384	0.5931	0.5920	0.0224	-0.0149	-0.00415	0.00755	0.0226	-0.0227
90	55.0000	50.5000	72.4000	1.4000	2001.0	1.0000	-1.0547	-1.2230	0.00696	-1.0584	-1.2273	-1.2262	0.0203	-0.00326	-0.0683	-0.00983	0.0518	-0.0181
91	54.0000	47.7000	61.3000	3.0000	1997.0	1.0000	0.9014	1.0906	0.00372	0.9031	1.0926	1.0920	0.00343	-0.00725	0.0170	-0.0246	0.00296	-0.00255
92	43.0000	35.6000	74.5000	1.3000	2010.0	1.0000	1.6350	1.6131	0.00510	1.6392	1.6173	1.6174	-0.0492	-0.0312	-0.0498	-0.00054	-0.0146	0.0525
93	25.0000	49.0000	69.7000	5.5000	2015.0	1.0000	-0.8401	-1.0335	0.0213	-0.8492	-1.0447	-1.0409	0.0272	0.0918	-0.0139	-0.0199	-0.0772	-0.0276
94	56.0000	42.3000	76.7000	7.5000	1981.0	1.0000	0.3245	0.4475	0.0128	0.3266	0.4504	0.4490	0.0211	-0.0138	-0.0119	0.0113	0.0332	-0.0209
95	77.0000	47.8000	75.1000	3.9000	2000.0	1.0000	0.4810	0.6451	0.00312	0.4817	0.6462	0.6457	-0.00104	0.0123	0.00711	0.00604	0.00547	0.000442
96	36.0000	34.7000	69.9000	4.1000	2017.0	1.0000	-0.6473	-0.8366	0.0135	-0.6517	-0.8423	-0.8400	0.0239	0.0365	0.0418	0.00455	-0.0439	-0.0264
97	70.0000	65.9000	62.6000	4.4000	2014.0	2.0000	-2.1136	-1.8432	0.0190	-2.1339	-1.8610	-1.8665	0.1425	-0.0460	-0.2260	0.0182	0.0689	-0.1325
98	82.0000	42.8000	80.6000	4.0000	2013.0	1.0000	0.5422	0.7179	0.00631	0.5439	0.7202	0.7192	-0.0208	0.0220	-0.00428	0.00914	0.00804	0.0204
99	81.0000	45.5000	76.4000	5.4000	2007.0	1.0000	0.4248	0.5760	0.00489	0.4258	0.5774	0.5767	-0.00544	0.00940	-0.00306	0.00553	0.0172	0.00519
100	44.0000	38.5000	44.4000	1.9000	1988.0	1.0000	-0.6468	-0.8360	0.0130	-0.6510	-0.8415	-0.8393	-0.0201	0.00652	0.0291	0.0589	0.000092	0.0163
101	70.0000	47.7000	73.2000	6.4000	1995.0	2.0000	0.3019	0.4177	0.00482	0.3027	0.4187	0.4182	0.00409	-0.00160	-0.00224	0.00536	0.0145	-0.00444
102	42.0000	45.2000	83.9000	3.0000	2012.0	1.0000	1.0344	1.2062	0.00906	1.0391	1.2117	1.2103	-0.0343	-0.0533	0.0241	0.0582	0.0228	0.0326
103	34.0000	38.0000	82.2000	1.5000	1999.0	1.0000	-0.7612	-0.9561	0.00751	-0.7641	-0.9597	-0.9584	-0.0114	0.0448	0.0127	-0.0350	-0.00925	0.0111
104	78.0000	42.2000	68.4000	5.2000	2016.0	1.0000	-1.5945	-1.5905	0.00967	-1.6023	-1.5983	-1.5983	0.0777	-0.0545	0.0481	0.0340	-0.0702	-0.0799
105	81.0000	42.8000	81.6000	3.5000	1991.0	1.0000	0.4026	0.5482	0.00373	0.4034	0.5492	0.5487	0.0100	0.0105	-0.00317	0.0106	0.00645	-0.0104
106	57.0000	45.4000	60.6000	2.3000	2006.0	1.0000	1.1440	1.2936	0.00496	1.1468	1.2968	1.2961	-0.0395	0.0151	0.0143	-0.0506	-0.0259	0.0414
107	44.0000	37.2000	71.4000	1.3000	2012.0	1.0000	-0.5884	-0.7711	0.00495	-0.5898	-0.7730	-0.7722	0.0232	0.00782	0.0125	0.00660	0.00959	-0.0245
108	66.0000	38.0000	78.3000	1.3000	2006.0	1.0000	-1.0234	-1.1971	0.00540	-1.0262	-1.2003	-1.1995	0.0285	-0.0343	0.0183	-0.00711	0.0325	-0.0290
109	61.0000	37.2000	54.6000	1.8000	2013.0	1.0000	1.5960	1.5913	0.0114	1.6051	1.6004	1.6005	-0.0900	0.0582	-0.0610	-0.1278	-0.0446	0.0971
110	82.0000	35.2000	73.1000	2.6000	2005.0	1.0000	0.7150	0.9088	0.00879	0.7182	0.9128	0.9113	-0.0148	0.0455	-0.0385	-0.0136	-0.00211	0.0163
111	68.0000	31.7000	73.5000	0.8000	1994.0	2.0000	-1.2426	-1.3666	0.0160	-1.2526	-1.3776	-1.3757	-0.00747	-0.0573	0.0832	0.0130	0.0468	0.00565
112	59.0000	42.3000	81.5000	3.7000	2014.0	1.0000	-1.2296	-1.3573	0.00652	-1.2337	-1.3617	-1.3609	0.0499	0.0117	0.00842	-0.0417	-0.0375	-0.0491
113	82.0000	40.3000	78.0000	2.6000	2003.0	2.0000	0.4883	0.6540	0.00803	0.4903	0.6567	0.6555	-0.0105	0.0247	-0.00793	0.00445	-0.00915	0.00990
114	53.0000	50.8000	68.6000	7.0000	2016.0	2.0000	-1.9069	-1.7515	0.0150	-1.9213	-1.7648	-1.7673	0.0801	0.0726	-0.0128	-0.0243	-0.1456	-0.0775
115	78.0000	42.9000	70.0000	5.4000	2002.0	1.0000	0.4687	0.6302	0.00541	0.4700	0.6319	0.6311	0.000482	0.00948	-0.0124	-0.00191	0.0237	-0.00011
116	64.0000	46.5000	49.2000	3.4000	1995.0	1.0000	-1.1572	-1.3037	0.00910	-1.1625	-1.3096	-1.3084	-0.00495	-0.0278	0.00420	0.0919	-0.00358	0.00124
117	82.0000	50.7000	71.9000	3.1000	1990.0	2.0000	0.3445	0.4736	0.00473	0.3453	0.4742	0.4742	0.00260	0.0116	0.00827	0.00246	-0.00579	-0.00339
118	82.0000	48.6000	74.9000	6.7000	1989.0	1.0000	0.2561	0.3564	0.00407	0.2566	0.3571	0.3568	0.00686	0.00128	-0.00116	0.00422	0.0124	-0.00703
119	45.0000	40.8000	60.0000	1.0000	1986.0	1.0000	-0.7883	-0.9831	0.00681	-0.7910	-0.9865	-0.9853	-0.0320	0.0111	0.0101	0.0286	0.0172	0.0298
120	22.0000	38.0000	66.7000	0.8000	1999.0	1.0000	2.1772	1.8695	0.00568	2.1834	1.8748	1.8767	0.0107	-0.1182	-0.0325	-0.0174	-0.0113	-0.00552
121	57.0000	40.1000	81.4000	2.3000	2008.0	1.0000	0.9433	1.1283	0.00423	0.9453	1.1307	1.1299	-0.0237	-0.00933	0.0287	0.00151	0.0235	0.0235
122	75.0000	52.0000	68.0000	1.7000	1991.0	1.0000	-1.6896	-1.6427	0.00770	-1.6961	-1.6491	-1.6495	-0.0134	-0.0758	-0.0949	0.0144	0.0841	0.0166
123	79.0000	41.1000	70.2000	1.7000	1996.0	1.0000	0.6915	0.8841	0.00584	0.6935	0.8867	0.8857	0.000100	0.0420	-0.00670	-0.0131	-0.0234	0.000344
124	79.0000	42.9000	74.3000	4.5000	2008.0	1.0000	-1.8615	-1.7299	0.00498	-1.8662	-1.7343	-1.7349	0.0400	-0.0589	0.0309	-0.00429	-0.0552	-0.0402
125	59.0000	53.8000	66.1000	3.1000	2007.0	1.0000	-1.2138	-1.3458	0.00766	-1.2185	-1.3510	-1.3500	0.0465	-0.00488	-0.0809	0.0126	0.0229	-0.0445
126	44.0000	31.3000	78.9000	1.0000	1990.0	2.0000	0.9886	1.1677	0.0166	0.9969	1.1775	1.1747	0.0360	-0.0261	-0.0686	0.0286	-0.00195	-0.0348
127	46.0000	51.5000	61.0000	2.8000	2013.0	1.0000	-0.7743	-0.9692	0.00926	-0.7779	-0.9737	-0.9721	0.0447	0.0142	-0.0408	0.0239	0.0140	-0.0448
128	82.0000	44.8000	74.2000	4.0000	1984.0	1.0000	0.3582	0.4913	0.00381	0.3588	0.4922	0.4918	0.0135	0.00851	-0.00232	0.00406	0.00763	-0.0137
129	66.0000	37.2000	68.2000	3.5000	2012.0	1.0000	-1.0484	-1.2178	0.00782	-1.0525	-1.2213	-1.2213	0.0428	-0.0240	0.0541	0.0298	-0.0260	-0.0459

149	74.0000	53.9000	73.8000	4.2000	2008.0	1.0000	0.5133	0.6839	0.00604	0.5149	0.6860	0.6851	-0.0154	0.0108	0.0256	0.00661	0.00144	0.0141
150	61.0000	43.7000	64.3000	2.8000	1990.0	1.0000	0.7524	0.9472	0.00340	0.7536	0.9488	0.9482	0.0231	0.00494	-0.00602	-0.0148	0.00624	-0.0221
151	50.0000	46.3000	71.3000	4.3000	1999.0	1.0000	0.7383	0.9329	0.00524	0.7403	0.9353	0.9344	0.00987	-0.0282	0.00230	0.0125	0.0381	-0.00981
152	41.0000	42.2000	68.2000	1.0000	1989.0	2.0000	1.0091	1.1851	0.0108	1.0146	1.1915	1.1898	0.0246	-0.0277	0.00121	0.00172	-0.0327	-0.0248
153	67.0000	40.8000	72.7000	2.7000	1997.0	1.0000	0.7200	0.9140	0.00264	0.7210	0.9152	0.9147	0.00671	0.0142	-0.0136	0.000301	0.00445	-0.00616
154	73.0000	40.8000	73.2000	1.1000	1991.0	1.0000	-1.3780	-1.4590	0.00574	-1.3820	-1.4632	-1.4628	-0.0257	-0.0653	0.00711	0.00563	0.0544	0.0254
155	48.0000	52.4000	67.4000	2.5000	1993.0	1.0000	0.8398	1.0331	0.00668	0.8426	1.0366	1.0354	0.0142	-0.0227	0.0504	0.00559	-0.00876	-0.0154
156	62.0000	47.7000	76.0000	1.2000	1983.0	2.0000	0.5271	0.7002	0.00937	0.5296	0.7035	0.7021	0.0172	0.00647	0.0173	0.0141	-0.0216	-0.0187
157	82.0000	42.5000	75.0000	2.9000	1991.0	1.0000	0.4745	0.6373	0.00385	0.4754	0.6385	0.6380	0.0102	0.0194	-0.00434	0.00295	0.000317	-0.0103
158	75.0000	45.9000	70.1000	7.4000	2004.0	2.0000	0.3066	0.4238	0.00650	0.3076	0.4252	0.4246	-0.00088	0.000232	-0.00619	0.00219	0.0184	0.000737
159	47.0000	36.9000	67.3000	0.9000	1993.0	1.0000	1.3331	1.4293	0.00487	1.3363	1.4327	1.4323	0.0274	-0.0126	-0.0413	-0.0250	-0.0242	-0.0238
160	78.0000	37.6000	71.0000	2.9000	2007.0	1.0000	-1.3301	-1.4272	0.00702	-1.3348	-1.4323	-1.4316	0.0376	-0.0712	0.0553	0.0296	-0.00077	-0.0401
161	69.0000	46.4000	82.1000	2.5000	2010.0	1.0000	0.7089	0.9024	0.00582	0.7110	0.9051	0.9041	-0.0281	0.0173	0.0220	0.0223	-0.0138	0.0265
162	54.0000	45.3000	88.5000	1.0000	2004.0	1.0000	-1.0992	-1.2587	0.00901	-1.1041	-1.2644	-1.2631	0.0204	0.00769	-0.0487	-0.0701	0.0436	-0.0169
163	50.0000	41.2000	80.8000	0.9000	2003.0	1.0000	1.1509	1.2989	0.00480	1.1536	1.3020	1.3013	-0.0163	-0.0107	0.0125	0.0349	-0.0372	0.0156
164	34.0000	43.9000	57.1000	3.6000	2017.0	2.0000	-0.6834	-0.8754	0.0155	-0.6887	-0.8823	-0.8796	0.0452	0.0130	0.00713	0.0286	-0.0109	-0.0465
165	44.0000	33.3000	59.3000	0.8000	2012.0	1.0000	-0.4344	-0.5880	0.00709	-0.4360	-0.5901	-0.5891	0.0165	-0.00055	0.0175	0.0217	0.01000	-0.0182
166	52.0000	50.7000	67.5000	4.1000	1981.0	2.0000	0.4429	0.5985	0.00737	0.4445	0.6007	0.5997	0.0208	-0.0120	0.00806	0.00757	0.0117	-0.0215
167	67.0000	40.0000	83.8000	2.4000	2002.0	1.0000	0.6985	0.8914	0.00410	0.6999	0.8933	0.8926	-0.00268	0.0111	-0.00852	0.0254	0.00142	0.00214
168	51.0000	44.7000	87.2000	1.3000	2012.0	1.0000	-0.9292	-1.1157	0.00935	-0.9336	-1.1210	-1.1194	0.0429	0.0115	-0.0365	-0.0515	0.0317	-0.0404
169	56.0000	45.0000	67.5000	4.9000	1981.0	2.0000	0.4097	0.5571	0.00750	0.4113	0.5592	0.5583	0.0209	-0.00951	-0.00711	0.00502	0.0202	-0.0211
170	81.0000	44.2000	76.6000	1.2000	1981.0	2.0000	0.3976	0.5418	0.00812	0.3992	0.5440	0.5430	0.0118	0.0176	0.00356	0.00564	-0.0154	-0.0126
171	25.0000	39.5000	69.2000	3.4000	2015.0	1.0000	-0.5492	-0.7261	0.00983	-0.5519	-0.7297	-0.7282	0.0177	0.0394	0.0136	-0.00008	-0.0244	-0.0190
172	70.0000	40.0000	83.6000	1.2000	1994.0	1.0000	0.6845	0.8767	0.00558	0.6864	0.8791	0.8782	0.0108	0.0213	-0.00233	0.0232	-0.0190	-0.0115
173	68.0000	57.3000	69.6000	7.3000	1997.0	1.0000	0.3176	0.4385	0.00672	0.3187	0.4399	0.4392	0.00430	-0.00472	0.00850	0.00536	0.0184	-0.00479
174	79.0000	44.2000	59.5000	4.5000	1996.0	1.0000	0.5376	0.7125	0.00590	0.5392	0.7147	0.7137	0.00461	0.0198	-0.0113	-0.0207	0.0150	-0.00365
175	24.0000	41.8000	60.0000	1.8000	2017.0	1.0000	-0.3847	-0.5254	0.00626	-0.3859	-0.5270	-0.5263	0.0165	0.0159	0.000382	0.0109	0.00204	-0.0174
176	35.0000	44.3000	77.8000	1.9000	1999.0	1.0000	-0.8404	-1.0338	0.00640	-0.8431	-1.0371	-1.0360	-0.00762	0.0496	-0.0166	-0.0323	-0.00427	0.00812
177	82.0000	42.6000	73.0000	4.3000	2014.0	2.0000	-2.0477	-1.8151	0.00934	-2.0573	-1.8236	-1.8260	0.1018	-0.0912	0.0350	0.00909	-0.0145	-0.1001
178	80.0000	41.9000	78.0000	4.1000	2014.0	1.0000	-1.6912	-1.6436	0.00679	-1.6970	-1.6492	-1.6495	0.0724	-0.0668	0.0269	-0.0141	-0.0331	-0.0720
179	78.0000	45.6000	85.4000	2.6000	2009.0	1.0000	0.5775	0.7587	0.00634	0.5793	0.7611	0.7601	-0.0193	0.0227	0.0137	0.0207	-0.0106	0.0178
180	54.0000	46.2000	73.7000	1.2000	1981.0	1.0000	0.7445	0.9392	0.00751	0.7473	0.9427	0.9414	0.0438	-0.00632	0.0215	0.0167	-0.0182	-0.0446
181	77.0000	40.3000	78.1000	2.1000	2009.0	1.0000	0.7560	0.9509	0.00641	0.7585	0.9540	0.9528	-0.0296	0.0405	-0.00720	0.00291	-0.0193	0.0295
182	47.0000	38.3000	68.8000	0.6000	1985.0	1.0000	-0.8602	-1.0524	0.00682	-0.8631	-1.0561	-1.0549	-0.0422	0.0109	0.0179	0.00637	0.0201	0.0404
183	35.0000	39.2000	53.6000	1.2000	1992.0	2.0000	-0.6789	-0.8707	0.0128	-0.6833	-0.8763	-0.8741	-0.00696	0.0191	0.0195	0.0369	0.0158	0.00488
184	82.0000	56.1000	75.2000	9.3000	1982.0	2.0000	0.1187	0.1672	0.00229	0.1188	0.1674	0.1673	0.00228	-0.00053	0.000313	0.00183	0.00426	-0.00241
185	80.0000	45.4000	77.7000	2.3000	1987.0	1.0000	0.4551	0.6135	0.00434	0.4560	0.6149	0.6143	0.0132	0.0166	0.00536	0.00811	-0.00595	-0.0138
186	74.0000	42.8000	68.8000	3.4000	1998.0	1.0000	0.6164	0.8025	0.00322	0.6174	0.8038	0.8033	0.00210	0.0196	-0.00883	-0.00786	0.00697	-0.00161
187	72.0000	43.0000	72.7000	4.3000	2001.0	1.0000	0.5595	0.7381	0.00358	0.5605	0.7394	0.7388	0.000695	0.00903	-0.00961	0.00227	0.0195	-0.00049
188	80.0000	38.0000	70.4000	3.7000	2002.0	1.0000	0.6069	0.7919	0.00619	0.6088	0.7944	0.7934	-0.00336	0.0271	-0.0276	-0.0102	0.0138	0.00445
189	80.0000	52.9000	69.1000	4.2000	1992.0	2.0000	0.3210	0.4428	0.00401	0.3216	0.4437	0.4433	0.00172	0.00766	0.00783	0.00150	-0.00027	-0.00240
190	46.0000	41.2000	64.0000	3.8000	2005.0	2.0000	-1.0933	-1.2540	0.0104	-1.0990	-1.2606	-1.2590	0.0231	0.0336	0.0360	0.0194	-0.0363	-0.0246
191	37.0000	47.5000	64.8000	1.9000	1995.0	1.0000	-0.8027	-0.9973	0.00565	-0.8049	-1.0001	-0.9991	-0.0102	0.0359	-0.0252	0.00576	0.00736	0.00976
192	82.0000	37.5000	73.2000	2.3000	1994.0	1.0000	0.5976	0.7814	0.00616	0.5994	0.7839	0.7829	0.00843	0.0334	-0.0217	-0.00540	-0.00438	-0.00774
193	68.0000	36.4000	81.0000	1.1000	2012.0	1.0000	-0.9460	-1.1306	0.00862	-0.9501	-1.1356	-1.1341	0.0473	0.0430	0.0220	-0.00883	0.0370	-0.0478
194	82.0000	46.4000	87.3000	2.2000	1991.0	1.0000	0.4080	0.5549	0.00521	0.4090	0.5564	0.5557	0.00753	0.0138	0.00905	0.0168	-0.00633	-0.00859
195	82.0000	59.5000	61.4000	5.9000	1983.0	1.0000	0.2656	0.3692	0.00479	0.2662	0.3701	0.3697	0.00721	0.00333	0.00854	-0.00074	0.00615	-0.00755
196	61.0000	45.4000	74.8000	3.1000	2007.0	1.0000	-1.2513	-1.3727	0.00309	-1.2532	-1.3749	-1.3745	0.0322	-0.00411	-0.0170	-0.0155	-0.00651	-0.0315
197	82.0000	47.9000	70.6000	5.4000	1981.0	1.0000	0.2860	0.3965	0.00402	0.2866	0.3973	0.3969	0.0114	0.00357	-0.00099	0.00241	0.0103	-0.0115
198	50.0000	31.0000	60.4000	1.0000	1988.0	1.0000	-0.7130	-0.9067	0.0115	-0.7172	-0.9120	-0.9100	-0.0283	-0.00114	0.0556	0.0353	0.00271	0.0245
199	72.0000	36.2000	73.1000	2.6000	2003.0	2.0000	0.6527	0.8424	0.0102	0.6560	0.8468	0.8450	-0.0133	0.0257	-0.0314	-0.00428	-0.00430	0.0136
200	79.0000	42.0000	73.6000	8.8000	1991.0	1.0000	0.2376	0.3314	0.00764	0.2385	0.3327	0.3321	0.00743	-0.00172	-0.00824	0.00337	0.0193	-0.00729
201	78.0000	52.0000	64.8000	5.1000	1999.0	1.0000	0.4354	0.5892	0.00445	0.4364	0.5905	0.5899	-0.00036	0.00972	0.00909	-0.00450	0.0107	0.000077
202	72.0000	47.5000	60.6000	3.7000	2007.0	1.0000	0.7450	0.9397	0.00619	0.7473	0.9426	0.9415	-0.0265	0.0275	0.00849	-0.0323	-0.00075	0.0272
203	44.0000	41.8000	66.7000	3.0000	1981.0	1.0000	-1.2241	-1.3533	0.00934	-1.2299	-1.3596	-1.3585	-0.0940	0.0568	0.0292	-0.00520	-0.0536	0.0916
204	55.0000	44.4000	55.8000	1.5000	1986.0	2.0000	0.8417	1.0350	0.0117	0.8467	1.0411	1.0391	0.0201	0.0113	0.000630	-0.0409	-0.0342	-0.0193
205	67.0000	41.3000	85.7000	1.8000	1991.0	1.0000	0.6000	0.7842	0.00520	0.6016	0.7863	0.7854	0.0178	0.00804	-0.			

225	36.0000	37.9000	70.0000	0.9000	2003.0	1.0000	-0.5670	-0.7467	0.00426	-0.5682	-0.7483	-0.7476	0.00573	0.0176	0.00914	0.00398	0.00878	-0.00689
226	53.0000	41.4000	90.3000	1.2000	2001.0	1.0000	-1.1288	-1.2819	0.00785	-1.1332	-1.2869	-1.2858	0.000528	0.0160	-0.0166	-0.0786	0.0217	0.00207
227	40.0000	42.6000	75.0000	1.1000	2002.0	1.0000	-0.7283	-0.9226	0.00432	-0.7299	-0.9246	-0.9238	0.00681	0.0233	-0.0105	-0.0116	0.0163	-0.00689
228	80.0000	44.6000	76.8000	5.8000	1990.0	1.0000	0.3119	0.4309	0.00440	0.3126	0.4318	0.4314	0.00913	0.00253	-0.00469	0.00590	0.0153	-0.00925
229	78.0000	48.5000	74.1000	6.2000	2008.0	1.0000	0.4029	0.5485	0.00566	0.4041	0.5501	0.5494	-0.00535	0.00457	0.000511	0.00486	0.0205	0.00504
230	82.0000	45.5000	68.4000	4.8000	1987.0	2.0000	0.3002	0.4154	0.00385	0.3007	0.4162	0.4158	0.00636	0.00651	-0.00319	0.000225	0.00611	-0.00656
231	81.0000	49.7000	71.6000	7.0000	1982.0	1.0000	0.2301	0.3212	0.00425	0.2306	0.3219	0.3215	0.00824	0.000343	-0.00096	0.00297	0.0113	-0.00836
232	22.0000	27.7000	87.5000	1.6000	2017.0	1.0000	-0.4394	-0.5941	0.0128	-0.4422	-0.5980	-0.5962	0.0113	0.0282	0.0262	-0.0165	-0.0132	-0.0123
233	46.0000	53.0000	61.8000	3.3000	1995.0	1.0000	0.8688	1.0605	0.00737	0.8720	1.0644	1.0631	0.0103	-0.0303	0.0462	-0.00983	0.00737	-0.0107
234	62.0000	38.7000	83.3000	1.2000	1996.0	1.0000	-1.2189	-1.3495	0.00505	-1.2219	-1.3529	-1.3522	-0.0162	-0.0164	0.0140	-0.0441	0.0251	0.0169
235	80.0000	43.1000	71.7000	3.2000	2001.0	1.0000	0.5776	0.7588	0.00384	0.5787	0.7603	0.7597	-0.00503	0.0263	-0.00460	-0.00450	-0.00021	0.00512
236	41.0000	44.9000	66.7000	1.7000	2002.0	2.0000	1.1203	1.2753	0.00969	1.1258	1.2815	1.2801	-0.0270	-0.0298	0.0186	-0.00791	-0.0336	0.0264
237	32.0000	41.4000	65.2000	5.1000	2015.0	2.0000	-0.9018	-1.0910	0.0208	-0.9114	-1.1025	-1.0989	0.0403	0.0702	0.0361	0.00498	-0.0700	-0.0419
238	28.0000	50.0000	71.7000	10.3000	1997.0	1.0000	0.4338	0.5873	0.0379	0.4423	0.5987	0.5935	0.0225	-0.0537	-0.0106	0.0218	0.0809	-0.0223
239	78.0000	40.0000	70.8000	1.7000	2001.0	1.0000	0.7688	0.9638	0.00634	0.7713	0.9668	0.9657	-0.0128	0.0481	-0.0118	-0.0165	-0.0270	0.0135
240	55.0000	30.4000	74.5000	1.2000	2015.0	1.0000	-0.6179	-0.8043	0.00949	-0.6209	-0.8081	-0.8065	0.0296	-0.00853	0.0384	0.00997	0.00864	-0.0317
241	36.0000	41.4000	80.5000	1.9000	2006.0	2.0000	1.0843	1.2469	0.0129	1.0914	1.2550	1.2530	-0.0268	-0.0561	0.00121	0.0488	-0.00597	0.0250
242	82.0000	46.7000	65.7000	6.4000	1985.0	2.0000	0.2412	0.3363	0.00387	0.2417	0.3370	0.3367	0.00599	0.00260	-0.00332	0.000107	0.00900	-0.00608
243	68.0000	59.2000	54.7000	3.4000	1994.0	1.0000	-1.6500	-1.6214	0.0116	-1.6597	-1.6309	-1.6312	0.00386	-0.0392	-0.1318	0.0649	0.0413	-0.00156
244	47.0000	58.2000	64.3000	3.1000	2013.0	1.0000	-0.9514	-1.1354	0.0161	-0.9591	-1.1446	-1.1419	0.0599	0.0228	-0.0969	0.00916	0.0243	-0.0576
245	81.0000	44.4000	82.6000	1.9000	1984.0	1.0000	0.4242	0.5753	0.00542	0.4253	0.5768	0.5761	0.0155	0.0151	0.00457	0.0127	-0.00676	-0.0162
246	33.0000	45.5000	47.8000	1.5000	2006.0	1.0000	-0.4508	-0.6082	0.00788	-0.4525	-0.6106	-0.6096	0.0130	0.0103	-0.00501	0.0288	0.0111	-0.0143
247	72.0000	39.0000	63.7000	4.1000	1997.0	1.0000	0.6529	0.8427	0.00650	0.6550	0.8455	0.8444	0.00839	0.0166	-0.0324	-0.0204	0.0255	-0.00656
248	45.0000	51.2000	76.2000	3.7000	1981.0	2.0000	0.4536	0.6117	0.00989	0.4558	0.6147	0.6134	0.0233	-0.0201	0.0133	0.0208	0.0118	-0.0246
249	67.0000	43.9000	87.9000	3.4000	1988.0	1.0000	0.4318	0.5848	0.00542	0.4330	0.5864	0.5857	0.0173	-0.00184	0.000579	0.0235	0.0116	-0.0181
250	46.0000	58.6000	66.5000	7.7000	2012.0	1.0000	0.5571	0.7353	0.0208	0.5630	0.7431	0.7398	-0.0122	-0.0373	0.0271	0.0109	0.0552	0.0113
251	49.0000	54.5000	71.1000	3.1000	1994.0	1.0000	-1.4024	-1.4747	0.00793	-1.4080	-1.4806	-1.4801	-0.0228	0.0456	-0.0960	-0.0340	-0.00355	0.0262
252	77.0000	44.3000	72.7000	2.8000	1993.0	1.0000	0.5402	0.7156	0.00321	0.5410	0.7167	0.7162	0.00830	0.0195	0.000693	0.000961	-0.00231	-0.00849
253	59.0000	51.0000	78.0000	3.3000	2006.0	1.0000	0.6915	0.8841	0.00561	0.6934	0.8866	0.8856	-0.0155	-0.00560	0.0347	0.0228	0.00134	0.0138
254	81.0000	47.9000	72.9000	7.5000	1994.0	1.0000	0.2651	0.3686	0.00507	0.2658	0.3695	0.3691	0.00553	0.000530	-0.00293	0.00344	0.0160	-0.00561
255	56.0000	45.6000	65.5000	1.2000	1992.0	1.0000	0.9860	1.1654	0.00465	0.9883	1.1682	1.1674	0.0140	0.00992	0.0236	-0.0190	-0.0397	-0.0135
256	78.0000	45.3000	75.4000	1.9000	1985.0	1.0000	0.4955	0.6627	0.00502	0.4968	0.6644	0.6636	0.0170	0.0191	0.00670	0.00595	-0.0106	-0.0175
257	57.0000	51.3000	66.7000	3.7000	2013.0	2.0000	0.7338	0.9282	0.0115	0.7381	0.9336	0.9316	-0.0459	-0.00038	0.0308	-0.00515	-0.00740	0.0443
258	78.0000	41.3000	77.7000	1.6000	1984.0	1.0000	-1.9200	-1.7577	0.00588	-1.9257	-1.7628	-1.7638	-0.0787	-0.0783	0.0110	-0.0294	0.0372	0.0798
259	43.0000	41.7000	48.5000	2.5000	2007.0	1.0000	-0.5614	-0.7402	0.00864	-0.5638	-0.7434	-0.7421	0.0169	0.00660	0.0109	0.0428	0.00144	-0.0193
260	40.0000	52.8000	73.7000	2.1000	2015.0	1.0000	-0.7675	-0.9625	0.0124	-0.7724	-0.9685	-0.9663	0.0473	0.0283	-0.0604	-0.0145	0.0232	-0.0455
261	80.0000	47.5000	85.0000	2.1000	1989.0	1.0000	0.4195	0.5694	0.00526	0.4207	0.5709	0.5703	0.00950	0.0134	0.0115	0.0159	-0.00771	-0.0106
262	81.0000	51.2000	75.2000	5.7000	1984.0	2.0000	0.2140	0.2992	0.00288	0.2143	0.2996	0.2994	0.00481	0.00160	0.00134	0.00371	0.00502	-0.00515
263	35.0000	39.3000	35.3000	2.9000	1987.0	1.0000	-0.5762	-0.7572	0.0189	-0.5818	-0.7645	-0.7615	-0.0213	0.0192	0.0302	0.0625	-0.0159	0.0172
264	75.0000	47.0000	76.2000	3.1000	1990.0	1.0000	0.4647	0.6253	0.00324	0.4654	0.6263	0.6259	0.0114	0.0104	0.00674	0.00857	0.00133	-0.0120
265	60.0000	49.4000	50.0000	2.6000	1989.0	2.0000	0.7164	0.9102	0.0118	0.7206	0.9156	0.9135	0.00682	0.0144	0.0146	-0.0451	-0.0214	-0.00639
266	36.0000	55.7000	66.7000	1.1000	1986.0	1.0000	-0.9644	-1.1468	0.0166	-0.9725	-1.1564	-1.1536	-0.0346	0.0473	-0.0945	-0.0133	0.0429	0.0369
267	75.0000	42.9000	69.1000	3.3000	1997.0	1.0000	0.6011	0.7855	0.00323	0.6021	0.7868	0.7862	0.00351	0.0204	-0.00770	-0.00706	0.00506	-0.00311
268	51.0000	39.9000	87.5000	1.5000	1992.0	1.0000	-1.2375	-1.3629	0.00742	-1.2421	-1.3680	-1.3671	-0.0445	0.0302	0.00491	-0.0800	-0.00156	0.0461
269	71.0000	47.5000	61.7000	4.7000	1987.0	2.0000	0.3859	0.5270	0.00491	0.3869	0.5283	0.5277	0.00944	0.00438	-0.00203	-0.00437	0.00909	-0.00958
270	55.0000	41.2000	43.5000	1.7000	1981.0	2.0000	-1.0510	-1.2199	0.0206	-1.0620	-1.2327	-1.2294	-0.0433	-0.0217	0.0366	0.1040	0.0323	0.0390
271	53.0000	50.0000	35.0000	1.0000	2003.0	1.0000	-0.5365	-0.7113	0.0196	-0.5419	-0.7184	-0.7153	0.0228	-0.0167	-0.0184	0.0648	0.0376	-0.0247
272	49.0000	46.6000	70.2000	1.3000	1988.0	2.0000	0.7655	0.9605	0.00984	0.7693	0.9652	0.9635	0.0177	-0.00931	0.0220	0.00924	-0.0294	-0.0191
273	20.0000	44.8000	75.9000	4.1000	1993.0	1.0000	-0.9583	-1.1414	0.0206	-0.9683	-1.1534	-1.1499	-0.0504	0.1212	0.00185	-0.0540	-0.0854	0.0502
274	15.0000	43.5000	76.7000	1.3000	2017.0	1.0000	-0.4122	-0.5602	0.00863	-0.4140	-0.5626	-0.5615	0.0162	0.0278	-0.00819	-0.00866	0.00242	-0.0163
275	80.0000	45.5000	72.8000	4.7000	1987.0	2.0000	0.2939	0.4070	0.00365	0.2944	0.4078	0.4074	0.00854	0.00496	-0.00239	0.00312	0.00613	-0.00685
276	56.0000	49.6000	80.0000	1.6000	1985.0	2.0000	0.5196	0.6914	0.00979	0.5222	0.6948	0.6933	0.0159	-0.00350	0.0226	0.0234	-0.0153	-0.0179
277	72.0000	50.9000	45.9000	2.5000	1982.0	1.0000	-1.4720	-1.5184	0.0142	-1.4826	-1.5293	-1.5287	-0.0530	-0.0686	-0.0406	0.1206	0.0458	0.0502
278	53.0000	42.8000	73.2000	2.6000	2008.0	1.0000	1.0454	1.2153	0.00310	1.0470	1.2172	1.2167	-0.0301	-0.0105	0.000749	0.00504	0.00257	0.0306
279	80.0000	41.0000	73.7000	3.4000	2016.0	1.0000	-1.3834	-1.4625	0.00861	-1.3893	-1.4688	-1.4681	0.0829	-0.0759	0.0255	0.0178	0.00109	-0.0837
280	78.0000	42.5000	80.8000	3.9000	2011.0	1.0000	0.5663	0.7458	0.00547	0.5678	0.7479	0.7470	-0.0179	0.0182	-0.00522	0.0116	0.0102	0.0174
281	59.0000	38.1000	82.5000	3.0000	2008.0	1.0000	0.8476	1.0406	0.00549	0.8499	1.0434	1.0425	-0.0155	-0.00475				

300	49.0000	45.9000	64.3000	0.8000	1982.0	1.0000	-1.0060	-1.1825	0.00829	-1.0102	-1.1874	-1.1860	-0.0520	0.00893	-0.0266	0.0144	0.0390	0.0515
301	82.0000	53.9000	61.1000	4.6000	1986.0	2.0000	0.2966	0.4107	0.00423	0.2973	0.4116	0.4111	0.00461	0.00740	0.00597	-0.00286	0.00102	-0.00503
302	78.0000	49.2000	66.9000	3.3000	1985.0	2.0000	0.3623	0.4967	0.00467	0.3632	0.4979	0.4973	0.00764	0.0102	0.00494	-0.00076	-0.00294	-0.00818
303	21.0000	38.2000	92.3000	0.5000	2002.0	1.0000	-0.6062	-0.7912	0.0143	-0.6106	-0.7969	-0.7945	-0.00439	0.0501	-0.00205	-0.0483	0.00109	0.00504
304	40.0000	50.9000	85.1000	1.2000	1984.0	1.0000	-1.3095	-1.1413	0.0160	-1.3201	-1.4248	-1.4232	-0.0736	0.0709	-0.0938	-0.1032	0.0249	0.0788
305	33.0000	37.1000	78.6000	0.7000	1999.0	1.0000	-0.6320	-0.8198	0.00609	-0.6339	-0.8223	-0.8213	-0.00523	0.0296	0.0101	-0.0165	0.00597	0.00456
306	35.0000	31.8000	50.0000	0.5000	2002.0	1.0000	-0.3652	-0.5004	0.00766	-0.3666	-0.5023	-0.5014	0.00379	0.00375	0.0170	0.0227	0.00601	-0.00555
307	56.0000	42.8000	76.4000	3.6000	2012.0	2.0000	-1.3638	-1.4497	0.00972	-1.3705	-1.4568	-1.4560	0.0623	0.0125	0.0119	-0.0286	-0.0203	-0.0605
308	82.0000	60.0000	62.0000	6.8000	1985.0	2.0000	0.1972	0.2763	0.00328	0.1975	0.2767	0.2765	0.00315	0.00149	0.00428	0.000327	0.00437	-0.00346
309	44.0000	40.4000	81.0000	0.6000	1988.0	1.0000	-0.9666	-1.1487	0.00774	-0.9703	-1.1531	-1.1518	-0.0429	0.0295	-0.00348	-0.0421	0.0203	0.0434
310	50.0000	41.5000	75.4000	1.1000	1992.0	1.0000	1.0084	1.1845	0.00405	1.0104	1.1869	1.1862	0.0259	-0.0129	0.00327	0.0185	-0.0215	-0.0258
311	59.0000	42.4000	69.4000	2.6000	1995.0	1.0000	0.8182	1.0124	0.00223	0.8191	1.0136	1.0132	0.0133	0.00170	-0.00796	-0.00403	0.00533	-0.0124
312	64.0000	44.1000	67.1000	3.4000	1996.0	1.0000	0.6997	0.8927	0.00259	0.7006	0.8939	0.8935	0.00870	0.00605	-0.00521	-0.00794	0.0127	-0.00806
313	61.0000	48.7000	75.2000	4.9000	2006.0	1.0000	0.5885	0.7712	0.00534	0.5901	0.7733	0.7724	-0.00677	-0.00885	0.00943	0.0141	0.0268	0.00610
314	45.0000	47.5000	75.0000	1.5000	1992.0	2.0000	0.7789	0.9738	0.0105	0.7830	0.9790	0.9771	0.0102	-0.0209	0.0296	0.0252	-0.0247	-0.0124
315	82.0000	49.1000	71.6000	9.3000	1981.0	2.0000	0.1371	0.1930	0.00307	0.1373	0.1933	0.1931	0.00335	-0.00055	-0.00152	0.00162	0.00626	-0.00342
316	39.0000	51.3000	90.5000	1.2000	1991.0	2.0000	0.6556	0.8456	0.0208	0.6625	0.8546	0.8510	0.0140	-0.0339	0.0488	0.0627	-0.0213	-0.0180
317	38.0000	38.1000	100.0	0.9000	2012.0	1.0000	1.2694	1.3856	0.0171	1.2804	1.3976	1.3957	-0.0371	-0.0659	0.00807	0.1302	-0.0118	0.0338
318	24.0000	44.3000	57.8000	2.1000	1989.0	1.0000	-0.6385	-0.8270	0.00952	-0.6416	-0.8309	-0.8293	-0.0242	0.0459	-0.00080	0.0153	-0.0102	0.0225
319	47.0000	35.8000	78.1000	0.9000	1981.0	1.0000	0.9482	1.1326	0.0105	0.9532	1.1386	1.1368	0.0712	-0.0247	-0.0352	0.0294	0.000828	-0.0699
320	46.0000	43.1000	52.6000	0.8000	1992.0	2.0000	-0.7995	-0.9942	0.0140	-0.8052	-1.0012	-0.9988	0.000510	-0.00276	0.000311	0.0516	0.0452	-0.00207
321	42.0000	61.6000	66.1000	4.9000	2008.0	1.0000	0.7656	0.9606	0.0194	0.7732	0.9700	0.9666	-0.0232	-0.0458	0.0793	0.0126	0.0227	0.0208
322	46.0000	33.8000	78.7000	1.5000	2003.0	1.0000	1.3093	1.4132	0.00589	1.3132	1.4174	1.4168	-0.00329	-0.0289	-0.0619	0.0232	0.00790	0.00595
323	82.0000	49.7000	69.2000	7.4000	2009.0	2.0000	0.2856	0.3960	0.00572	0.2864	0.3971	0.3966	-0.00473	0.00343	-0.00126	0.000909	0.0130	0.00444
324	80.0000	49.6000	59.0000	6.2000	1984.0	2.0000	0.2652	0.3687	0.00431	0.2658	0.3695	0.3691	0.00670	0.00332	-0.00163	-0.00279	0.00883	-0.00678
325	64.0000	45.5000	72.8000	1.0000	1986.0	1.0000	0.7281	0.9223	0.00605	0.7303	0.9252	0.9241	0.0256	0.0163	0.0191	0.00580	-0.0304	-0.0263
326	42.0000	38.1000	73.3000	0.9000	2007.0	1.0000	-0.6134	-0.7992	0.00428	-0.6147	-0.8010	-0.8003	0.0152	0.0115	0.00771	0.000665	0.0139	-0.0161
327	52.0000	45.1000	83.6000	1.9000	1992.0	1.0000	-1.3533	-1.4428	0.00593	-1.3574	-1.4471	-1.4466	-0.0411	0.0311	-0.0335	-0.0752	0.00399	0.0439
328	39.0000	42.6000	70.4000	1.7000	2005.0	1.0000	1.4511	1.5055	0.00384	1.4539	1.5084	1.5082	-0.0263	-0.0499	0.00931	-0.00043	-0.0137	0.0278
329	43.0000	38.0000	73.7000	1.6000	1983.0	1.0000	-1.0178	-1.1924	0.00851	-1.0222	-1.1976	-1.1962	-0.0703	0.0402	0.0314	-0.0207	-0.0159	0.0686
330	45.0000	39.9000	80.8000	4.2000	2015.0	1.0000	-0.9912	-1.1699	0.0111	-0.9967	-1.1764	-1.1746	0.0340	0.0503	0.0282	-0.0387	-0.0636	-0.0347
331	50.0000	41.1000	70.9000	3.8000	1999.0	1.0000	0.8582	1.0506	0.00494	0.8604	1.0532	1.0524	0.0130	-0.0282	-0.0243	0.00631	0.0439	-0.0117
332	39.0000	57.1000	54.5000	3.1000	2016.0	2.0000	-0.8293	-1.0231	0.0234	-0.8392	-1.0353	-1.0311	0.0716	0.0254	-0.0708	0.0359	0.0302	-0.0702
333	52.0000	35.6000	63.8000	3.0000	1991.0	1.0000	0.9774	1.1580	0.00834	0.9815	1.1629	1.1615	0.0400	-0.0161	-0.0659	-0.0263	0.0413	-0.0359
334	51.0000	48.2000	64.2000	1.4000	1985.0	1.0000	-1.1040	-1.2625	0.00688	-1.1078	-1.2668	-1.2658	-0.0452	0.00945	-0.0410	0.0136	0.0341	0.0453
335	64.0000	49.3000	77.3000	5.1000	2012.0	1.0000	0.5806	0.7622	0.00684	0.5826	0.7649	0.7638	-0.0178	-0.00506	0.0121	0.0159	0.0252	0.0169
336	75.0000	54.3000	73.7000	5.2000	1985.0	2.0000	0.2482	0.3458	0.00343	0.2487	0.3464	0.3461	0.00537	0.00104	0.00491	0.00473	0.00447	-0.00589
337	24.0000	29.4000	75.0000	0.9000	1999.0	1.0000	-0.4754	-0.6383	0.00900	-0.4775	-0.6412	-0.6399	-0.00724	0.0270	0.0282	-0.00421	-0.00774	0.00565
338	64.0000	51.8000	50.4000	5.4000	1982.0	1.0000	0.4875	0.6531	0.00982	0.4899	0.6563	0.6549	0.0245	-0.00243	0.00345	-0.0193	0.0238	-0.0238
339	72.0000	42.4000	75.3000	5.2000	2000.0	2.0000	0.3905	0.5328	0.00563	0.3916	0.5343	0.5336	0.000690	0.00276	-0.00933	0.00624	0.0157	-0.00098
340	64.0000	37.7000	75.3000	1.1000	1994.0	1.0000	0.8911	1.0812	0.00473	0.8932	1.0837	1.0829	0.0142	0.0233	-0.0214	0.00309	-0.0236	-0.0133
341	36.0000	43.1000	69.2000	1.9000	1989.0	2.0000	0.9430	1.1280	0.0109	0.9482	1.1342	1.1324	0.0305	-0.0484	-0.00079	0.0132	-0.00207	-0.0308
342	37.0000	29.8000	69.4000	0.9000	1990.0	1.0000	-0.6246	-0.8116	0.0102	-0.6278	-0.8158	-0.8141	-0.0254	0.0217	0.0460	0.00663	-0.00679	0.0227
343	38.0000	36.3000	73.7000	1.1000	2005.0	1.0000	-0.5984	-0.7824	0.00462	-0.5998	-0.7843	-0.7835	0.00798	0.0183	0.0154	-0.00154	0.00492	-0.00918
344	25.0000	41.3000	76.7000	2.2000	2017.0	1.0000	-0.5226	-0.6949	0.00845	-0.5248	-0.6978	-0.6965	0.0221	0.0335	-0.00095	-0.0109	-0.00638	-0.0224
345	82.0000	43.3000	65.1000	6.2000	1993.0	1.0000	0.3659	0.5013	0.00617	0.3670	0.5028	0.5021	0.00862	0.00657	-0.0111	-0.00391	0.0212	-0.00820
346	39.0000	47.1000	52.2000	2.4000	1998.0	1.0000	-0.6935	-0.8862	0.00736	-0.6961	-0.8895	-0.8882	0.00183	0.0213	-0.0106	0.0385	0.00372	-0.00368
347	58.0000	43.7000	65.6000	2.6000	2014.0	1.0000	-0.8483	-1.0413	0.00587	-0.8508	-1.0444	-1.0433	0.0496	-0.0110	-0.00305	0.0266	0.0120	-0.0508
348	38.0000	38.9000	68.8000	1.4000	2005.0	2.0000	-0.7338	-0.9282	0.0103	-0.7376	-0.9331	-0.9312	0.0207	0.0214	0.0140	0.00550	0.0159	-0.0214
349	60.0000	41.5000	81.7000	1.7000	1996.0	1.0000	0.7780	0.9729	0.00376	0.7794	0.9748	0.9741	0.0107	0.00301	0.00146	0.0282	-0.00916	-0.0114
350	82.0000	50.7000	60.7000	5.7000	1986.0	2.0000	0.2719	0.3776	0.00388	0.2724	0.3784	0.3780	0.00536	0.00484	0.000329	-0.00249	0.00646	-0.00554
351	43.0000	34.9000	56.3000	0.6000	1989.0	1.0000	1.6743	1.6346	0.00874	1.6817	1.6417	1.6421	0.0471	-0.0137	-0.0770	-0.0919	-0.0334	-0.0393
352	64.0000	36.9000	76.6000	2.3000	2003.0	1.0000	-1.1377	-1.2888	0.00416	-1.1401	-1.2915	-1.2909	0.00969	-0.0200	0.0432	-0.00770	-0.00492	-0.0112
353	82.0000	43.2000	77.4000	4.8000	1988.0	1.0000	0.3372	0.4641	0.00402	0.3379	0.4651	0.4646	0.0108	0.00587	-0.00537	0.00603	0.0123	-0.0110
354	74.0000	42.2000	67.0000	2.2000	2015.0	2.0000	-1.2336	-1.3601	0.0160	-1.2436	-1.3711	-1.3692	0.0989	-0.0771	0.00663	0.0437	0.0611	-0.0986
355	72.0000	40.7000	67.4000	4.3000	2000.0	1.0000	0.6166	0.8028	0.00496	0.6182	0.8048	0.8040	0.00244	0.0130	-0.0223	-0.0102	0.0243	-0.00134
356	60.0000	51.8000	69.1000	2.0000	2009.0	1.0000	0.9536	1.1373	0.00871	0.9578	1.1423	1.1409	-0.0486					

376	82.0000	42.6000	77.7000	6.1000	2004.0	1.0000	0.3729	0.5103	0.00583	0.3740	0.5118	0.5111	0.000415	0.00582	-0.00935	0.00600	0.0213	-0.00043
377	80.0000	52.5000	65.4000	8.0000	1992.0	2.0000	0.2086	0.2919	0.00381	0.2090	0.2925	0.2922	0.00281	0.000369	-0.00029	0.000876	0.00925	-0.00299
378	61.0000	41.2000	74.6000	2.4000	2013.0	1.0000	1.0334	1.2055	0.00486	1.0360	1.2084	1.2076	-0.0519	0.0156	-0.00657	-0.00086	-0.0108	0.0525
379	74.0000	46.7000	73.1000	10.3000	1991.0	1.0000	0.1988	0.2784	0.00758	0.1995	0.2795	0.2789	0.00587	-0.00348	-0.00463	0.00343	0.0166	-0.00584
380	74.0000	45.9000	81.0000	1.5000	1985.0	1.0000	-1.9748	-1.7828	0.00593	-1.9807	-1.7881	-1.7893	-0.0710	-0.0587	-0.0472	-0.0617	0.0529	0.0750
381	76.0000	50.8000	63.6000	5.1000	1991.0	1.0000	0.4080	0.5550	0.00427	0.4089	0.5562	0.5556	0.00877	0.00630	0.00469	-0.00384	0.0127	-0.00887
382	52.0000	38.2000	58.5000	2.0000	2007.0	1.0000	-0.6644	-0.8552	0.00631	-0.6665	-0.8579	-0.8568	0.0202	-0.00442	0.0221	0.0374	0.00699	-0.0228
383	41.0000	43.3000	84.4000	0.7000	2007.0	1.0000	-0.7512	-0.9459	0.00800	-0.7542	-0.9497	-0.9483	0.0198	0.0236	-0.0236	-0.0356	0.0265	-0.0185
384	62.0000	53.7000	61.5000	2.1000	1989.0	2.0000	0.5852	0.7675	0.0102	0.5882	0.7714	0.7698	0.00423	0.0105	0.0333	-0.00939	-0.0265	-0.00562
385	41.0000	47.3000	78.6000	4.2000	2012.0	2.0000	0.7729	0.9679	0.0143	0.7785	0.9749	0.9724	-0.0306	-0.0443	0.0145	0.0362	0.0284	0.0286
386	38.0000	34.8000	67.7000	1.5000	1998.0	1.0000	1.5808	1.5827	0.00560	1.5852	1.5871	1.5871	0.0177	-0.0532	-0.0724	-0.0228	0.0124	-0.0123
387	48.0000	46.7000	80.2000	7.5000	2001.0	1.0000	0.4534	0.6114	0.0163	0.4571	0.6165	0.6142	0.0118	-0.0296	-0.00711	0.0236	0.0533	-0.0120
388	64.0000	46.0000	72.2000	3.9000	1995.0	2.0000	0.4769	0.6402	0.00472	0.4780	0.6417	0.6411	0.00395	0.000783	0.000255	0.00663	0.00781	-0.00463
389	49.0000	52.9000	52.1000	5.7000	1995.0	2.0000	0.5768	0.7579	0.0120	0.5802	0.7624	0.7605	0.00540	-0.0202	0.00902	-0.0184	0.0298	-0.00533
390	81.0000	53.6000	77.1000	7.5000	1995.0	2.0000	0.1905	0.2670	0.00312	0.1908	0.2674	0.2672	0.00169	0.000231	0.00130	0.00374	0.00679	-0.00200
391	56.0000	40.1000	79.2000	1.0000	2008.0	1.0000	-0.8540	-1.0467	0.00509	-0.8562	-1.0493	-1.0484	0.0296	-0.00840	-0.00198	-0.0137	0.0319	-0.0295
392	77.0000	41.9000	67.5000	2.6000	1977.0	2.0000	0.3915	0.5340	0.00684	0.3928	0.5359	0.5350	0.0177	0.0121	-0.00679	-0.00180	-0.00193	-0.0178
393	33.0000	39.9000	76.7000	2.0000	2012.0	1.0000	1.6326	1.6118	0.00630	1.6378	1.6169	1.6170	-0.0516	-0.0431	-0.0117	0.0313	0.0133	0.0531
394	74.0000	50.1000	66.3000	5.9000	1996.0	1.0000	0.4003	0.5452	0.00476	0.4012	0.5465	0.5459	0.00558	0.00245	0.00190	-0.00061	0.0192	-0.00568
395	42.0000	48.5000	74.4000	2.2000	2001.0	1.0000	1.0465	1.2163	0.00569	1.0495	1.2197	1.2188	-0.00553	-0.0431	0.0466	0.0275	-0.00703	0.00412
396	53.0000	32.6000	56.4000	3.1000	1985.0	1.0000	-0.9948	-1.1730	0.0165	-1.0032	-1.1829	-1.1801	-0.0631	0.0110	0.0975	0.0562	-0.0525	0.0568
397	36.0000	53.2000	48.6000	1.6000	1997.0	1.0000	1.5826	1.5835	0.0125	1.5922	1.5935	1.5935	-0.0163	-0.0445	0.0941	-0.0969	-0.0626	0.0185
398	67.0000	38.4000	66.1000	0.9000	1990.0	1.0000	0.9262	1.1130	0.00703	0.9294	1.1169	1.1157	0.0210	0.0391	-0.0233	-0.0298	-0.0365	-0.0189
399	81.0000	47.9000	73.6000	4.3000	1990.0	2.0000	0.3050	0.4218	0.00348	0.3055	0.4225	0.4222	0.00419	0.00655	0.00132	0.00360	0.00299	-0.00468
400	41.0000	35.5000	59.5000	4.5000	2004.0	1.0000	1.2621	1.3804	0.0146	1.2714	1.3906	1.3889	0.00432	-0.0624	-0.1006	-0.0495	0.1038	0.00254
401	38.0000	40.7000	62.1000	2.4000	1998.0	2.0000	-0.8729	-1.0643	0.0100	-0.8773	-1.0679	-1.0679	0.00123	0.0341	0.0216	0.0197	-0.00414	-0.00267
402	80.0000	48.5000	74.5000	7.9000	1987.0	2.0000	0.1809	0.2538	0.00342	0.1812	0.2542	0.2540	0.00389	-0.00029	-0.00167	0.00285	0.00810	-0.00404
403	82.0000	46.7000	77.2000	3.8000	1984.0	2.0000	-3.5680	-2.2889	0.00363	-3.5744	-2.2931	-2.2990	-0.0871	-0.0744	-0.00875	-0.0657	-0.0224	0.0932
404	54.0000	42.9000	50.0000	1.6000	2002.0	1.0000	1.4926	1.5309	0.00898	1.4994	1.5378	1.5375	-0.0373	0.0285	-0.00875	-0.1229	-0.0526	0.0429
405	80.0000	46.9000	73.0000	2.5000	1984.0	1.0000	0.4421	0.5975	0.00449	0.4431	0.5988	0.5982	0.0154	0.0159	0.00648	0.00321	-0.00506	-0.0159
406	60.0000	46.8000	69.0000	1.5000	1987.0	1.0000	0.7653	0.9603	0.00497	0.7672	0.9626	0.9618	0.0256	0.00838	0.0219	-0.00090	-0.0233	-0.0260
407	40.0000	39.8000	46.3000	2.0000	1997.0	1.0000	-0.5570	-0.7352	0.00931	-0.5596	-0.7386	-0.7372	-0.00071	0.00932	0.0170	0.0444	0.00153	-0.00209
408	66.0000	40.4000	78.3000	1.9000	1998.0	1.0000	-1.3094	-1.4133	0.00319	-1.3115	-1.4155	-1.4152	-0.00575	-0.0280	0.0127	-0.0233	0.0162	0.00592
409	77.0000	46.7000	81.0000	3.8000	1992.0	1.0000	0.3980	0.5423	0.00337	0.3987	0.5432	0.5428	0.00865	0.00663	0.00365	0.0119	0.00679	-0.00928
410	79.0000	47.4000	71.5000	5.0000	1993.0	1.0000	0.3824	0.5224	0.00350	0.3831	0.5233	0.5229	0.00742	0.00659	-0.00017	0.00261	0.0128	-0.00760
411	57.0000	43.8000	58.8000	1.9000	1996.0	1.0000	1.0752	1.2396	0.00466	1.0777	1.2425	1.2417	0.00124	0.0150	0.000599	-0.0520	-0.0251	0.00117
412	57.0000	38.0000	78.6000	1.3000	2004.0	1.0000	1.0818	1.2449	0.00408	1.0841	1.2475	1.2468	-0.0177	0.00885	-0.0190	0.0161	-0.0231	0.0183
413	38.0000	40.8000	64.3000	1.6000	2008.0	1.0000	-0.5667	-0.7463	0.00442	-0.5679	-0.7479	-0.7472	0.0160	0.0150	0.00383	0.0141	0.00682	-0.0173
414	35.0000	36.1000	66.7000	0.5000	1983.0	1.0000	-0.6832	-0.8752	0.00925	-0.6864	-0.8793	-0.8777	-0.0398	0.0271	0.0235	0.00668	0.00607	0.0377
415	47.0000	34.0000	67.4000	3.2000	2015.0	2.0000	-0.8201	-1.0142	0.0164	-0.8269	-1.0227	-1.0198	0.0447	0.0144	0.0583	0.0192	-0.0210	-0.0471
416	58.0000	41.7000	55.0000	5.6000	1991.0	2.0000	-1.8466	-1.7227	0.0121	-1.8579	-1.7333	-1.7348	-0.0534	0.0274	0.0944	0.0649	-0.1262	0.0491
417	60.0000	34.4000	73.3000	2.0000	2002.0	2.0000	0.8562	1.0487	0.0115	0.8612	1.0548	1.0528	-0.0134	0.0144	-0.0493	-0.00297	-0.00720	0.0144
418	81.0000	48.1000	86.6000	3.7000	1990.0	1.0000	0.3304	0.4552	0.00390	0.3311	0.4561	0.4557	0.00765	0.00580	0.00535	0.0130	0.00391	-0.00840
419	53.0000	36.5000	80.6000	1.1000	2009.0	1.0000	1.2743	1.3890	0.00558	1.2779	1.3929	1.3923	-0.0405	0.00126	-0.0281	0.0234	-0.0284	0.0415
420	53.0000	60.4000	42.5000	2.8000	1986.0	1.0000	-1.1751	-1.3171	0.0224	-1.1885	-1.3322	-1.3291	-0.0255	0.000723	-0.1112	0.0938	0.0422	0.0253
421	47.0000	44.7000	72.1000	3.6000	2015.0	1.0000	-0.8955	-1.0853	0.00668	-0.8985	-1.0889	-1.0877	0.0436	0.0285	-0.00527	-0.00532	-0.0237	-0.0440
422	61.0000	41.5000	90.0000	1.9000	2006.0	1.0000	-1.2841	-1.3958	0.00680	-1.2885	-1.4006	-1.3998	0.0228	-0.00332	-0.0114	-0.0795	0.0131	-0.0200
423	57.0000	41.7000	56.5000	2.9000	1997.0	1.0000	-0.9745	-1.1555	0.00560	-0.9772	-1.1588	-1.1579	-0.00482	-0.00632	0.0254	0.0549	-0.00926	0.00143
424	22.0000	35.6000	53.3000	1.0000	2011.0	1.0000	-0.3057	-0.4228	0.00546	-0.3066	-0.4239	-0.4234	0.00745	0.00931	0.00747	0.0128	0.00232	-0.00851
425	47.0000	49.3000	67.6000	3.7000	2010.0	2.0000	0.8296	1.0234	0.0107	0.8340	1.0289	1.0270	-0.0386	-0.0239	0.0245	0.00159	0.00570	0.0373
426	79.0000	39.5000	84.7000	2.1000	2008.0	1.0000	-1.5103	-1.5415	0.00696	-1.5156	-1.5469	-1.5467	0.0459	-0.0761	0.0161	-0.0403	0.0297	-0.0444
427	79.0000	45.7000	71.3000	3.7000	2002.0	1.0000	0.5403	0.7158	0.00349	0.5413	0.7170	0.7165	-0.00577	0.0204	0.00186	-0.00235	0.00356	0.00559
428	74.0000	41.6000	65.2000	1.9000	1991.0	2.0000	0.5878	0.7705	0.00871	0.5904	0.7738	0.7724	0.00427	0.0282	-0.00851	-0.0144	-0.0196	-0.00426
429	29.0000	45.7000	71.2000	5.3000	2016.0	1.0000	-0.8326	-1.0263	0.0183	-0.8403	-1.0358	-1.0326	0.0292	0.0801	0.00311	-0.0179	-0.0750	-0.0300
430	79.0000	41.9000	77.8000	5.1000	1994.0	1.0000	0.3805	0.5200	0.00458	0.3813	0.5212	0.5206	0.00885	0.00528	-0.00910	0.00718	0.0178	-0.00887
431	50.0000	43.0000	75.1000	2.7000	1999.0	1.0000	0.9032	1.0923	0.00289	0.9045	1.0938	1.0933	0.00748	-0.0231	-0.00058	0.0192	0.0150	-0.00739
432	70.0000	42.6000	79.7000	4.0000	1996.0	1.0000	0.5013	0.6695	0.00369	0.5022	0.6708	0.6702						

452	81.0000	40.2000	75.4000	4.4000	1995.0	1.0000	0.4366	0.5908	0.00458	0.4376	0.5921	0.5915	0.00825	0.0117	-0.0135	0.00370	0.0158	-0.00805
453	63.0000	44.6000	73.6000	3.4000	2007.0	1.0000	0.7681	0.9630	0.00306	0.7692	0.9645	0.9639	-0.0186	0.00501	0.00309	0.00529	0.0102	0.0185
454	79.0000	38.5000	69.8000	5.4000	1995.0	1.0000	0.4412	0.5964	0.00725	0.4428	0.5986	0.5976	0.0104	0.00855	-0.0224	-0.00230	0.0267	-0.00966
455	82.0000	42.0000	88.4000	1.1000	1989.0	1.0000	0.4791	0.6429	0.00751	0.4809	0.6453	0.6442	0.0117	0.0220	0.00454	0.0202	-0.0156	-0.0128
456	38.0000	45.7000	70.5000	4.0000	2004.0	1.0000	1.0249	1.1984	0.00775	1.0289	1.2030	1.2018	-0.00231	-0.0668	0.00451	0.0164	0.0544	0.00294
457	64.0000	45.3000	63.9000	1.3000	2002.0	1.0000	1.0433	1.2136	0.00616	1.0466	1.2174	1.2164	-0.0285	0.0389	0.0237	-0.0392	-0.0560	0.0292
458	62.0000	43.5000	81.1000	2.0000	1993.0	1.0000	0.6756	0.8672	0.00373	0.6769	0.8688	0.8682	0.0154	0.00287	0.00707	0.0250	-0.00491	-0.0163
459	76.0000	40.7000	79.7000	1.6000	2015.0	1.0000	-1.1392	-1.2899	0.00997	-1.1449	-1.2964	-1.2949	0.0750	-0.0681	-0.00180	-0.00547	0.0518	-0.0743
460	73.0000	44.2000	75.6000	2.6000	2010.0	1.0000	0.7490	0.9438	0.00508	0.7510	0.9462	0.9453	-0.0321	0.0300	0.00823	0.00201	-0.0143	0.0316
461	80.0000	44.8000	78.7000	1.5000	1984.0	1.0000	-2.0936	-1.8348	0.00603	-2.0999	-1.8404	-1.8420	-0.0744	-0.0888	-0.0317	-0.0413	0.0597	0.0776
462	72.0000	42.2000	71.1000	1.7000	2007.0	1.0000	0.8964	1.0861	0.00596	0.8991	1.0893	1.0883	-0.0354	0.0458	0.00235	-0.0170	-0.0367	0.0357
463	51.0000	47.4000	78.3000	1.4000	1989.0	2.0000	0.6528	0.8426	0.0102	0.6561	0.8469	0.8452	0.0143	-0.00910	0.0240	0.0266	-0.0218	-0.0164
464	51.0000	40.2000	76.9000	2.1000	2015.0	1.0000	-0.7860	-0.9809	0.00552	-0.7882	-0.9836	-0.9827	0.0410	0.00684	0.00549	-0.00782	0.00600	-0.0415
465	75.0000	49.5000	57.8000	3.0000	1994.0	2.0000	0.5212	0.6933	0.00800	0.5233	0.6961	0.6948	-0.00343	0.0224	0.0102	-0.0194	-0.0141	0.00305
466	51.0000	44.0000	75.0000	1.6000	1985.0	2.0000	-1.5180	-1.5461	0.00909	-1.5249	-1.5532	-1.5529	-0.0586	0.0221	-0.0141	-0.0431	0.0285	0.0614
467	80.0000	44.2000	69.5000	3.0000	2005.0	1.0000	0.6432	0.8321	0.00496	0.6448	0.8342	0.8333	-0.0170	0.0344	0.000377	-0.0119	-0.00818	0.0172
468	75.0000	44.1000	71.4000	2.5000	1984.0	2.0000	0.4190	0.5688	0.00566	0.4202	0.5704	0.5696	0.0120	0.0123	-0.00103	0.00215	-0.00521	-0.0125
469	81.0000	41.4000	65.6000	5.7000	1983.0	1.0000	0.3435	0.4724	0.00658	0.3447	0.4739	0.4732	0.0156	0.00524	-0.0124	-0.00241	0.0189	-0.0152
470	82.0000	46.1000	58.9000	2.6000	1990.0	1.0000	0.5824	0.7643	0.00717	0.5845	0.7671	0.7659	0.00846	0.0350	0.00274	-0.0267	-0.0133	-0.00787
471	19.0000	39.0000	82.4000	1.4000	2012.0	1.0000	-0.4897	-0.6557	0.00921	-0.4920	-0.6587	-0.6574	0.0115	0.0361	0.00119	-0.0189	-0.00390	-0.0117
472	27.0000	39.5000	69.2000	2.0000	1999.0	1.0000	-0.6154	-0.8014	0.00640	-0.6174	-0.8040	-0.8030	-0.00702	0.0404	0.0112	-0.00218	-0.0122	0.00568
473	82.0000	39.8000	81.5000	4.9000	2009.0	1.0000	0.4668	0.6279	0.00658	0.4684	0.6300	0.6291	-0.00746	0.0131	-0.0147	0.00971	0.0201	0.00742
474	48.0000	41.5000	87.5000	1.7000	1993.0	1.0000	0.8182	1.0124	0.00769	0.8214	1.0164	1.0150	0.0273	-0.0279	0.00466	0.0562	0.00420	-0.0286
475	75.0000	41.1000	78.2000	1.8000	2008.0	1.0000	0.7865	0.9814	0.00618	0.7889	0.9844	0.9833	-0.0297	0.0403	-0.00091	0.00450	-0.0265	0.0293
476	76.0000	47.7000	85.1000	2.5000	2010.0	1.0000	0.5966	0.7803	0.00726	0.5987	0.7832	0.7820	-0.0234	0.0218	0.0230	0.0225	-0.0150	0.0215
477	26.0000	73.7000	50.0000	3.0000	1999.0	1.0000	1.1385	1.2894	0.0513	1.1689	1.3238	1.3163	-0.0288	-0.0908	0.2350	-0.0302	-0.0524	0.0237
478	41.0000	40.3000	83.3000	1.3000	2004.0	1.0000	1.2478	1.3703	0.00599	1.2515	1.3744	1.3737	-0.0115	-0.0475	0.00386	0.0561	-0.0113	0.0108
479	49.0000	42.4000	81.1000	2.3000	2016.0	1.0000	-0.8467	-1.0397	0.00687	-0.8496	-1.0433	-1.0421	0.0460	0.0168	-0.00814	-0.0260	0.00312	-0.0454
480	78.0000	40.4000	69.6000	3.5000	1983.0	2.0000	0.3758	0.5140	0.00577	0.3769	0.5155	0.5148	0.0129	0.00998	-0.0104	-0.00023	0.00463	-0.0129
481	67.0000	54.9000	73.4000	2.7000	2000.0	2.0000	0.4948	0.6618	0.00893	0.4971	0.6648	0.6635	-0.0102	0.00890	0.0311	0.00892	-0.0172	0.00829
482	68.0000	44.5000	63.0000	7.4000	2001.0	1.0000	0.4495	0.6067	0.0112	0.4521	0.6101	0.6086	0.00589	-0.00538	-0.0164	-0.00516	0.0432	-0.00510
483	36.0000	36.7000	78.3000	1.4000	2002.0	1.0000	-0.6825	-0.8746	0.00568	-0.6845	-0.8771	-0.8761	-0.00097	0.0312	0.0173	-0.0169	-0.00379	0.000035
484	81.0000	39.4000	78.1000	2.9000	1994.0	1.0000	0.5073	0.6768	0.00442	0.5084	0.6783	0.6776	0.00882	0.0203	-0.0125	0.00616	0.00364	-0.00879
485	67.0000	43.7000	61.3000	2.9000	1994.0	1.0000	0.7558	0.9506	0.00398	0.7573	0.9525	0.9518	0.00962	0.0193	-0.00762	-0.0279	0.000538	-0.00826
486	80.0000	37.4000	85.0000	2.4000	1998.0	1.0000	0.5468	0.7233	0.00580	0.5484	0.7254	0.7245	0.00423	0.0224	-0.0152	0.0164	0.000330	-0.00447
487	80.0000	44.6000	82.9000	2.1000	1985.0	1.0000	0.4236	0.5745	0.00503	0.4247	0.5760	0.5753	0.0148	0.0137	0.00454	0.0134	-0.00499	-0.0156
488	34.0000	30.2000	91.2000	1.4000	2015.0	1.0000	-0.5847	-0.7669	0.0131	-0.5886	-0.7720	-0.7699	0.0172	0.0295	0.0306	-0.0318	-0.0108	-0.0180
489	56.0000	47.9000	75.9000	2.1000	2013.0	1.0000	-0.9735	-1.1547	0.00691	-0.9769	-1.1587	-1.1575	0.0547	-0.00240	-0.0445	-0.0138	0.0299	-0.0531
490	38.0000	32.5000	70.0000	0.9000	2012.0	1.0000	-0.4640	-0.6245	0.00599	-0.4654	-0.6264	-0.6255	0.0148	0.00875	0.0191	0.00797	0.00502	-0.0162
491	50.0000	37.0000	77.8000	1.6000	2001.0	1.0000	-0.8818	-1.0726	0.00397	-0.8835	-1.0747	-1.0740	-0.00042	0.0125	0.0254	-0.0159	0.00115	-0.00064
492	44.0000	31.4000	78.3000	2.7000	1983.0	1.0000	-1.1526	-1.3001	0.0170	-1.1625	-1.3114	-1.3090	-0.0983	0.0590	0.0994	-0.0405	-0.0774	0.0948
493	82.0000	43.0000	82.3000	4.0000	1997.0	1.0000	0.4048	0.5509	0.00373	0.4056	0.5519	0.5515	0.00457	0.0106	-0.00356	0.0109	0.00899	-0.00498
494	73.0000	44.7000	60.9000	10.9000	2005.0	2.0000	0.2385	0.3326	0.0111	0.2398	0.3345	0.3336	0.00128	-0.00344	-0.00945	-0.00094	0.0227	-0.00109
495	35.0000	37.8000	70.0000	1.1000	1998.0	1.0000	1.6096	1.5990	0.00461	1.6133	1.6027	1.6027	0.0133	-0.0630	-0.0337	-0.00459	-0.00950	-0.00980
496	81.0000	46.3000	70.6000	6.4000	2006.0	1.0000	0.3951	0.5386	0.00599	0.3962	0.5402	0.5394	-0.00303	0.00668	-0.00521	0.000348	0.0220	0.00306
497	71.0000	50.9000	62.0000	4.5000	1997.0	1.0000	0.5378	0.7128	0.00444	0.5390	0.7144	0.7137	0.00208	0.00892	0.0112	-0.0107	0.0111	-0.00212
498	80.0000	43.3000	79.2000	1.2000	1993.0	1.0000	-1.7090	-1.6531	0.00638	-1.7145	-1.6583	-1.6587	-0.0162	-0.0933	-0.0232	-0.0263	0.0735	0.0187
499	56.0000	41.5000	80.0000	0.8000	1991.0	1.0000	-1.1390	-1.2897	0.00539	-1.1420	-1.2932	-1.2924	-0.0313	-0.00181	-0.00988	-0.0367	0.0363	0.0322
500	82.0000	39.7000	55.0000	3.8000	1990.0	2.0000	0.4783	0.6419	0.0104	0.4809	0.6453	0.6438	0.00670	0.0243	-0.0217	-0.0248	0.00396	-0.00576
501	66.0000	36.6000	78.9000	3.5000	2012.0	1.0000	0.8219	1.0160	0.00735	0.8250	1.0198	1.0185	-0.0274	0.0108	-0.0391	0.0110	0.0266	0.0285
502	71.0000	42.0000	77.4000	1.8000	2000.0	2.0000	0.6006	0.7848	0.00822	0.6031	0.7881	0.7868	-0.0101	0.0222	-0.00036	0.00860	-0.0210	0.00897
503	51.0000	38.2000	78.6000	2.2000	2015.0	1.0000	-0.7918	-0.9866	0.00606	-0.7942	-0.9896	-0.9886	0.0386	0.00857	0.0164	-0.0116	-0.00093	-0.0393
504	61.0000	57.9000	54.4000	2.9000	2007.0	2.0000	-1.3318	-1.4284	0.0189	-1.3446	-1.4421	-1.4403	0.0816	-0.0322	-0.1141	0.0651	0.0742	-0.0784
505	60.0000	60.8000	37.1000	7.6000	2013.0	1.0000	0.6897	0.8822	0.0316	0.7008	0.8964	0.8909	-0.0363	-0.00849	0.0344	-0.0673	0.0490	0.0377
506	51.0000	41.9000	65.7000	2.6000	1994.0	2.0000	0.7956	0.9904	0.00734	0.7986	0.9941	0.9928	0.00851	-0.00975	-0.0144	-0.00833	0.00102	-0.00815
507	79.0000	39.5000	84.7000	2.1000	2007.0	1.0000	-1.5354	-1.5564	0.00668	-1.5406	-1.5616	-1.5615	0.0410	-0.0760	0.0167	-0.0417	0.0288	-0.0395
508	74.0000	47.8000	73.3000	3.6000	1985.0	1.0000	-2.3812	-1.9481	0.00364	-2.3855	-1.9517	-1.9534	-0.0895	-0.0360</				

528	78.0000	42.5000	67.2000	4.3000	1991.0	2.0000	-2.5781	-2.0171	0.00505	-2.5846	-2.0222	-2.0254	-0.0410	-0.0661	0.0598	0.0173	-0.0505	0.0412
529	24.0000	36.1000	82.4000	1.8000	1999.0	1.0000	1.5143	1.5439	0.0112	1.5229	1.5526	1.5523	0.0331	-0.1267	-0.0462	0.0748	0.0501	-0.0313
530	55.0000	50.4000	75.0000	1.7000	2016.0	2.0000	-1.0823	-1.2453	0.0180	-1.0922	-1.2566	-1.2539	0.0917	-0.0105	-0.0715	-0.0158	0.0696	-0.0876
531	40.0000	39.8000	77.6000	1.2000	1993.0	2.0000	0.9633	1.1458	0.0115	0.9689	1.1525	1.1505	0.0180	-0.0366	-0.00961	0.0339	-0.0163	-0.0189
532	37.0000	58.7000	59.2000	5.7000	1994.0	1.0000	0.6855	0.8777	0.0185	0.6919	0.8859	0.8827	0.0188	-0.0543	0.0436	0.00163	0.0478	-0.0195
533	82.0000	44.3000	67.3000	2.1000	1984.0	1.0000	0.5110	0.6812	0.00599	0.5126	0.6833	0.6824	0.0178	0.0264	0.000628	-0.00796	-0.0109	-0.0177
534	59.0000	54.7000	67.1000	2.1000	1990.0	1.0000	-1.4527	-1.5065	0.00826	-1.4588	-1.5127	-1.5123	-0.0258	-0.00554	-0.1077	-0.00288	0.0492	0.0291
535	66.0000	48.2000	51.2000	4.0000	1988.0	1.0000	0.6533	0.8431	0.00811	0.6560	0.8466	0.8452	0.0204	0.0103	0.000447	-0.0379	0.0133	-0.0189
536	74.0000	45.9000	66.4000	4.4000	1982.0	2.0000	0.3372	0.4641	0.00451	0.3380	0.4652	0.4647	0.0115	0.00436	-0.00303	0.000072	0.00704	-0.0117
537	76.0000	42.1000	63.0000	2.9000	1991.0	1.0000	-1.5987	-1.5929	0.00509	-1.6028	-1.5969	-1.5970	-0.0340	-0.0685	0.0323	0.0529	0.000036	0.0313
538	80.0000	40.3000	69.9000	3.3000	2006.0	1.0000	0.6639	0.8546	0.00581	0.6658	0.8571	0.8561	-0.0164	0.0347	-0.0181	-0.0139	0.00254	0.0173
539	35.0000	47.5000	75.0000	2.9000	2004.0	1.0000	1.1266	1.2802	0.00759	1.1309	1.2850	1.2839	-0.00871	-0.0738	0.0360	0.0368	0.0236	0.00776
540	80.0000	42.1000	70.4000	2.4000	2006.0	1.0000	0.7202	0.9141	0.00621	0.7224	0.9159	0.9159	-0.0236	0.0446	-0.00474	-0.0156	-0.0185	0.0240
541	69.0000	54.5000	80.9000	3.7000	2013.0	2.0000	0.4705	0.6324	0.0107	0.4730	0.6358	0.6342	-0.0236	0.00653	0.0274	0.0168	-0.00759	0.0215
542	70.0000	49.6000	80.6000	2.0000	1988.0	2.0000	0.4138	0.5623	0.00690	0.4153	0.5642	0.5633	0.00682	0.00758	0.0144	0.0142	-0.0115	-0.00825
543	81.0000	48.5000	88.5000	1.3000	1990.0	1.0000	0.4356	0.5894	0.00775	0.4373	0.5917	0.5907	0.00737	0.0170	0.0181	0.0202	-0.0166	-0.00888
544	46.0000	40.5000	76.3000	1.8000	1999.0	1.0000	1.1021	1.2610	0.00334	1.1039	1.2631	1.2626	0.00752	-0.0301	-0.00848	0.0233	0.000487	-0.00693
545	45.0000	49.4000	60.9000	2.4000	1990.0	1.0000	-1.0229	-1.1967	0.00620	-1.0261	-1.2004	-1.1994	-0.0289	0.0303	-0.0361	0.0199	0.00487	0.0283
546	74.0000	40.6000	67.5000	3.3000	1994.0	2.0000	-1.9769	-1.7838	0.00637	-1.9832	-1.7895	-1.7908	-0.0140	-0.0634	0.0569	0.0248	-0.00826	0.0136
547	59.0000	55.6000	55.1000	5.2000	1969.0	1.0000	-2.6052	-2.0261	0.0108	-2.6194	-2.0371	-2.0443	-0.1979	0.0521	-0.0647	0.0265	-0.1139	0.1982
548	37.0000	49.0000	67.4000	1.3000	1989.0	1.0000	-0.8720	-1.0635	0.00823	-0.8756	-1.0679	-1.0664	-0.0276	0.0394	-0.0422	-0.00554	0.0211	0.0280
549	52.0000	39.3000	71.7000	2.2000	2000.0	1.0000	1.0571	1.2249	0.00271	1.0585	1.2266	1.2262	0.00196	-0.0114	-0.0250	-0.00102	0.00642	-0.00023
550	82.0000	37.6000	80.4000	2.9000	2014.0	1.0000	-1.4485	-1.5038	0.00915	-1.4551	-1.5108	-1.5103	0.0711	-0.0840	0.0469	-0.00958	0.00446	-0.0716
551	63.0000	39.9000	71.7000	4.4000	2012.0	1.0000	0.8102	1.0046	0.00713	0.8131	1.0082	1.0070	-0.0269	0.00136	-0.0311	-0.00407	0.0396	0.0283
552	70.0000	45.7000	71.2000	6.5000	2003.0	1.0000	0.4401	0.5951	0.00708	0.4417	0.5972	0.5963	0.00206	-0.00248	-0.00793	0.00394	0.0323	-0.00193
553	75.0000	42.3000	69.7000	3.1000	2009.0	2.0000	0.6174	0.8036	0.00928	0.6203	0.8074	0.8058	-0.0281	0.0280	-0.00810	-0.00942	-0.00970	0.0278
554	57.0000	53.3000	63.5000	2.1000	2008.0	1.0000	-0.9713	-1.1527	0.0101	-0.9762	-1.1586	-1.1569	0.0487	-0.0120	-0.0717	0.0251	0.0473	-0.0475
555	58.0000	53.5000	71.2000	2.6000	2014.0	1.0000	-1.0713	-1.2364	0.0109	-1.0771	-1.2432	-1.2415	0.0704	-0.00654	-0.0828	-0.00287	0.0380	-0.0678
556	82.0000	53.7000	70.3000	4.6000	2005.0	1.0000	0.4330	0.5862	0.00516	0.4341	0.5877	0.5870	-0.00872	0.0140	0.0163	0.000275	0.00280	0.00794
557	82.0000	42.0000	76.7000	2.8000	2009.0	1.0000	0.6357	0.8239	0.00606	0.6377	0.8264	0.8254	-0.0232	0.0359	-0.00379	0.000455	-0.00880	0.0230
558	64.0000	39.1000	69.6000	1.2000	1991.0	1.0000	-1.1220	-1.2766	0.00481	-1.1247	-1.2797	-1.2790	-0.0262	-0.0317	0.0226	0.0166	0.0314	0.0245
559	76.0000	43.8000	66.7000	4.6000	2009.0	1.0000	0.6231	0.8100	0.00599	0.6250	0.8125	0.8115	-0.0185	0.0202	-0.0108	-0.0140	0.0188	0.0192
560	76.0000	38.6000	80.4000	3.4000	2004.0	1.0000	0.5929	0.7762	0.00493	0.5944	0.7781	0.7773	-0.00473	0.0181	-0.0186	0.0111	0.0122	0.00484
561	45.0000	36.1000	70.6000	0.8000	1998.0	1.0000	1.4584	1.5100	0.00444	1.4617	1.5134	1.5132	0.00696	-0.0192	-0.0444	-0.0139	-0.0276	-0.00343
562	82.0000	41.3000	76.0000	1.8000	1982.0	1.0000	0.4733	0.6359	0.00613	0.4748	0.6378	0.6369	0.0207	0.0215	-0.00415	0.00436	-0.00760	-0.0208
563	43.0000	48.3000	88.2000	2.0000	2006.0	1.0000	-1.0644	-1.2309	0.0113	-1.0705	-1.2379	-1.2362	0.0302	0.0491	-0.0604	-0.0813	0.00944	-0.0153
564	51.0000	43.0000	68.6000	1.7000	2009.0	1.0000	-0.7610	-0.9559	0.00401	-0.7625	-0.9578	-0.9571	0.0301	0.000906	-0.00657	0.0125	0.0197	-0.0308
565	63.0000	42.7000	63.3000	2.1000	2016.0	1.0000	-0.7912	-0.9861	0.00864	-0.7947	-0.9903	-0.9888	0.0562	-0.0271	-0.00044	0.0378	0.0268	-0.0577
566	64.0000	46.5000	65.7000	1.4000	1982.0	1.0000	-1.4127	-1.4813	0.00675	-1.4175	-1.4864	-1.4859	-0.0665	-0.0310	-0.0322	0.0187	0.0472	0.0666
567	48.0000	52.2000	82.4000	0.8000	1994.0	1.0000	0.8549	1.0475	0.0132	0.8606	1.0545	1.0522	0.00891	-0.0191	0.0749	0.0492	-0.0447	-0.0125
568	75.0000	46.2000	60.9000	8.1000	2015.0	2.0000	-2.6120	-2.0283	0.0124	-2.6284	-2.0410	-2.0493	0.0844	-0.0145	0.0766	0.0497	-0.1966	-0.0859
569	37.0000	42.3000	61.5000	3.9000	2012.0	1.0000	-0.6906	-0.8831	0.00868	-0.6936	-0.8870	-0.8855	0.0228	0.0346	0.0142	0.0193	-0.0304	-0.0248
570	52.0000	40.7000	100.0	1.5000	2013.0	1.0000	-1.0823	-1.2452	0.0156	-1.0908	-1.2551	-1.2527	0.0410	0.0239	-0.0194	-0.1103	0.0129	-0.0371
571	82.0000	54.2000	81.1000	10.5000	2016.0	2.0000	-5.9522	-2.6816	0.00521	-5.9678	-2.6886	-2.7159	0.0663	0.0344	-0.00316	-0.1333	-0.3288	-0.0575
572	66.0000	41.5000	75.9000	3.2000	2012.0	1.0000	0.8284	1.0223	0.00475	0.8304	1.0247	1.0239	-0.0346	0.0148	-0.0102	0.00505	0.00798	0.0348
573	79.0000	51.1000	78.4000	5.7000	1985.0	1.0000	0.2611	0.3632	0.00373	0.2616	0.3639	0.3636	0.00829	0.000903	0.00256	0.00655	0.00935	-0.00866
574	47.0000	36.8000	58.8000	1.0000	2013.0	1.0000	-0.4811	-0.6453	0.00703	-0.4828	-0.6476	-0.6466	0.0223	-0.00295	0.0123	0.0254	0.0144	-0.0240
575	76.0000	53.7000	71.1000	8.6000	1985.0	2.0000	0.1651	0.2319	0.00336	0.1654	0.2323	0.2321	0.00363	-0.00115	0.000021	0.00238	0.00738	-0.00380
576	82.0000	49.0000	82.9000	11.0000	1978.0	1.0000	-9.2488	-2.9868	0.00335	-9.2643	-2.9919	-3.0347	-0.2604	0.0953	0.0995	-0.1871	-0.4802	0.2643
577	80.0000	45.0000	83.9000	3.5000	1998.0	2.0000	0.3520	0.4833	0.00481	0.3528	0.4845	0.4839	-0.00049	0.00886	0.00126	0.0110	0.000305	-0.00035
578	60.0000	38.8000	79.5000	1.6000	2010.0	1.0000	1.0691	1.2347	0.00509	1.0719	1.2378	1.2371	-0.0413	0.0164	-0.0134	0.0158	-0.0233	0.0416
579	66.0000	56.3000	64.8000	5.3000	2016.0	2.0000	-1.9251	-1.7600	0.0122	-1.9369	-1.7708	-1.7730	0.1192	-0.0140	-0.0973	0.0140	-0.0203	-0.1141
580	79.0000	40.6000	69.9000	4.5000	1994.0	1.0000	0.4714	0.6335	0.00494	0.4726	0.6351	0.6344	0.01000	0.0126	-0.0161	-0.00274	0.0184	-0.00946
581	76.0000	48.1000	78.5000	1.7000	1986.0	1.0000	-2.0496	-1.8159	0.00573	-2.0555	-1.8212	-1.8226	-0.0609	-0.0685	-0.0673	-0.0492	0.0598	0.0654
582	68.0000	49.1000	75.7000	5.0000	1987.0	1.0000	0.3759	0.5142	0.00453	0.3768	0.5153	0.5148	0.0142	-0.00267	0.00321	0.00989	0.0159	-0.0146
583	76.0000	42.3000	84.0000	2.5000	2016.0	1.0000	-1.3749	-1.4569	0.00858	-1.3808	-1.4632	-1.4625	0.0824	-0.0616	-0.00890	-0.0360	0.0274	-0.0803
584	69.0000	40.9000	76.6000	4.6000	2011.0	1.0000	0.6483	0.8377	0.00639	0.6504	0.8404	0.8393	-0.0173	0.00614	-0.0188	0.00815	0.0	

604	66.0000	48.5000	44.7000	7.4000	1995.0	2.0000	-2.3544	-1.9383	0.0134	-2.3703	-1.9514	-1.9576	-0.0266	0.00912	0.0643	0.1259	-0.1719	0.0220
605	51.0000	37.1000	72.2000	1.2000	2010.0	1.0000	1.4796	1.5230	0.00486	1.4832	1.5267	1.5265	-0.0556	0.00358	-0.0340	-0.0178	-0.0353	0.0584
606	24.0000	31.6000	73.3000	0.6000	2014.0	1.0000	-0.3601	-0.4939	0.00594	-0.3612	-0.4953	-0.4946	0.00989	0.0139	0.0122	0.00113	0.00172	-0.0108
607	59.0000	54.4000	64.9000	2.9000	1987.0	1.0000	0.6130	0.7988	0.00692	0.6152	0.8016	0.8005	0.0191	-0.00218	0.0361	-0.00062	-0.00561	-0.0201
608	63.0000	51.5000	83.3000	2.2000	1995.0	2.0000	0.4707	0.6327	0.00866	0.4728	0.6354	0.6342	0.000164	0.00228	0.0238	0.0224	-0.0130	-0.00222
609	47.0000	38.8000	70.0000	2.4000	1984.0	2.0000	-1.3795	-1.4600	0.0106	-1.3869	-1.4678	-1.4670	-0.0725	0.0393	0.0511	-0.0149	-0.0238	0.0717
610	78.0000	52.0000	64.8000	5.1000	1985.0	1.0000	0.3456	0.4750	0.00424	0.3463	0.4760	0.4756	0.0112	0.00485	0.00500	-0.00087	0.00971	-0.0114
611	35.0000	43.5000	88.9000	0.7000	1990.0	2.0000	-1.1837	-1.3236	0.0194	-1.1954	-1.3366	-1.3340	-0.0374	0.0691	-0.0340	-0.1035	0.0317	0.0421
612	43.0000	44.4000	64.9000	3.4000	1997.0	1.0000	1.0122	1.1877	0.00490	1.0147	1.1906	1.1898	0.0166	-0.0446	-0.00538	-0.00885	0.0365	-0.0149
613	48.0000	40.7000	80.4000	1.7000	1992.0	1.0000	-1.1051	-1.2634	0.00510	-1.1079	-1.2666	-1.2659	-0.0378	0.0316	0.00566	-0.0454	-0.00402	0.0381
614	41.0000	38.8000	68.2000	1.4000	1995.0	1.0000	-0.7363	-0.9308	0.00410	-0.7378	-0.9327	-0.9320	-0.0129	0.0219	0.0156	0.00643	0.00298	0.0112
615	38.0000	29.1000	64.0000	1.0000	2004.0	1.0000	-0.4659	-0.6268	0.00778	-0.4677	-0.6292	-0.6281	0.00382	0.00861	0.0308	0.0159	-0.00016	-0.00596
616	59.0000	43.5000	74.2000	4.5000	1993.0	2.0000	0.4654	0.6262	0.00611	0.4668	0.6281	0.6273	0.0100	-0.00708	-0.00796	0.0107	0.0189	-0.0104
617	42.0000	38.4000	80.4000	1.7000	2003.0	1.0000	1.2333	1.3599	0.00504	1.2364	1.3633	1.3627	-0.00372	-0.0459	-0.0205	0.0412	0.00669	0.00440
618	76.0000	48.2000	77.8000	4.1000	1982.0	2.0000	0.2772	0.3848	0.00372	0.2777	0.3855	0.3852	0.00828	0.00273	0.00176	0.00657	0.00357	-0.00880
619	77.0000	44.5000	78.6000	5.3000	2000.0	1.0000	0.4009	0.5460	0.00435	0.4018	0.5471	0.5466	0.00337	0.00430	-0.00464	0.00902	0.0185	-0.00361
620	75.0000	38.6000	82.1000	1.6000	2004.0	1.0000	0.7412	0.9358	0.00617	0.7435	0.9387	0.9376	-0.0143	0.0352	-0.0111	0.0144	-0.0203	0.0140
621	68.0000	38.4000	64.3000	3.1000	2002.0	1.0000	-1.1644	-1.3091	0.00561	-1.1677	-1.3128	-1.3120	0.0109	-0.0346	0.0521	0.0442	-0.0162	-0.0144
622	82.0000	58.2000	62.4000	12.3000	1982.0	2.0000	0.0942	0.1329	0.00247	0.0943	0.1330	0.1330	0.00164	-0.00069	-0.00025	0.000555	0.00404	-0.00169
623	46.0000	52.1000	50.0000	2.3000	2003.0	1.0000	1.3618	1.4484	0.0109	1.3693	1.4564	1.4555	-0.0413	-0.0123	0.0687	-0.0916	-0.0436	0.0434
624	82.0000	45.8000	77.3000	8.7000	1996.0	1.0000	0.2236	0.3123	0.00587	0.2242	0.3132	0.3128	0.00447	-0.00079	-0.00440	0.00427	0.0156	-0.00452
625	63.0000	48.2000	69.3000	6.3000	1997.0	2.0000	0.3703	0.5070	0.00620	0.3715	0.5085	0.5078	0.00391	-0.00545	-0.00247	0.00468	0.0205	-0.00426
626	82.0000	48.0000	71.6000	4.0000	1998.0	1.0000	0.4464	0.6028	0.00335	0.4471	0.6039	0.6034	0.000437	0.0156	0.00524	0.000435	0.00396	-0.00082
627	81.0000	47.5000	78.8000	3.9000	2009.0	1.0000	0.4989	0.6667	0.00485	0.5001	0.6683	0.6676	-0.0145	0.0180	0.00891	0.00863	0.00246	0.0136
628	47.0000	36.9000	80.0000	1.7000	2003.0	1.0000	-0.8510	-1.0438	0.00470	-0.8530	-1.0463	-1.0455	0.00326	0.0202	0.0238	-0.0233	-0.00368	-0.00408
629	72.0000	45.8000	74.8000	5.3000	2010.0	2.0000	0.4347	0.5883	0.00677	0.4362	0.5903	0.5894	-0.0123	0.00467	-0.00282	0.00605	0.0143	0.0117
630	50.0000	39.7000	58.1000	4.9000	1987.0	1.0000	0.7539	0.9487	0.0140	0.7592	0.9554	0.9529	0.0459	-0.0291	-0.0463	-0.0231	0.0662	-0.0428
631	77.0000	48.1000	58.7000	6.1000	1997.0	2.0000	0.3585	0.4917	0.00583	0.3595	0.4931	0.4925	0.000696	0.00597	-0.00393	-0.00737	0.0135	-0.00069
632	44.0000	46.0000	82.3000	1.1000	2009.0	1.0000	1.2343	1.3606	0.00816	1.2394	1.3662	1.3652	-0.0452	-0.0320	0.0564	0.0517	-0.0451	0.0426
633	46.0000	46.9000	55.0000	1.8000	2007.0	1.0000	1.5613	1.5715	0.00722	1.5670	1.5772	1.5771	-0.0603	-0.00755	0.0367	-0.0877	-0.0507	0.0635
634	73.0000	38.2000	76.9000	2.0000	2013.0	1.0000	0.9150	1.1029	0.00783	0.9186	1.1073	1.1059	-0.0490	0.0455	-0.0208	-0.00396	-0.0225	0.0497
635	38.0000	32.9000	42.9000	0.6000	1998.0	1.0000	-0.3791	-0.5182	0.00990	-0.3810	-0.5208	-0.5196	0.00164	0.00129	0.0181	0.0307	0.00733	-0.00373
636	64.0000	41.4000	74.3000	0.9000	2003.0	1.0000	1.0171	1.1918	0.00511	1.0197	1.1949	1.1941	-0.0244	0.0341	0.00690	-0.00344	-0.0511	0.0245
637	61.0000	35.2000	79.4000	1.5000	2001.0	1.0000	0.9730	1.1543	0.00517	0.9755	1.1573	1.1564	-0.00192	0.0145	-0.0394	0.0150	-0.00884	0.00314
638	76.0000	55.2000	53.2000	9.1000	1994.0	2.0000	0.2286	0.3191	0.00605	0.2293	0.3201	0.3196	0.00254	-0.00063	-0.00033	-0.00286	0.0131	-0.00260
639	70.0000	38.0000	90.3000	3.0000	2014.0	1.0000	-1.4194	-1.4856	0.00903	-1.4259	-1.4924	-1.4918	0.0555	-0.0267	0.0334	-0.0734	-0.0216	-0.0539
640	49.0000	53.7000	53.8000	3.7000	1999.0	1.0000	0.9367	1.1224	0.00944	0.9411	1.1277	1.1261	-0.00673	-0.0208	0.0470	-0.0425	0.00709	0.00739
641	79.0000	47.1000	76.4000	3.9000	2014.0	1.0000	-1.7166	-1.6570	0.00635	-1.7221	-1.6623	-1.6627	0.0833	-0.0670	-0.0297	-0.0137	-0.00486	-0.0810
642	50.0000	45.8000	84.8000	1.3000	1991.0	2.0000	0.6463	0.8355	0.0117	0.6501	0.8404	0.8384	0.0126	-0.0125	0.0208	0.0398	-0.0189	-0.0150
643	73.0000	48.7000	66.2000	4.8000	1991.0	1.0000	0.4416	0.5969	0.00387	0.4425	0.5981	0.5976	0.0109	0.00502	0.00220	-0.00172	0.0147	-0.0110
644	62.0000	43.1000	70.1000	1.8000	1996.0	1.0000	-1.1597	-1.3055	0.00265	-1.1612	-1.3073	-1.3069	-0.00655	-0.0209	-0.00464	0.00874	0.0255	0.00602
645	55.0000	46.5000	71.2000	4.2000	1991.0	1.0000	0.6057	0.7906	0.00486	0.6072	0.7925	0.7918	0.0223	-0.0161	0.00126	0.0107	0.0282	-0.0224
646	32.0000	53.3000	62.5000	5.2000	2015.0	2.0000	-1.0539	-1.2223	0.0216	-1.0655	-1.2358	-1.2324	0.0607	0.0837	-0.0448	0.00127	-0.0518	-0.0592
647	71.0000	43.5000	73.5000	3.4000	1989.0	1.0000	0.5137	0.6843	0.00329	0.5145	0.6855	0.6850	0.0173	0.00763	-0.00454	0.00567	0.0102	-0.0174
648	77.0000	43.9000	73.4000	4.6000	1990.0	1.0000	-2.4656	-1.9785	0.00386	-2.4704	-1.9823	-1.9844	-0.0740	-0.0380	0.0358	-0.0258	-0.0906	0.0741
649	65.0000	48.9000	66.4000	8.4000	1995.0	1.0000	0.3331	0.4587	0.0101	0.3348	0.4610	0.4599	0.00928	-0.00838	-0.00553	0.00291	0.0314	-0.00914
650	54.0000	37.4000	76.3000	2.6000	2011.0	1.0000	-0.8909	-1.0810	0.00516	-0.8932	-1.0838	-1.0829	0.0299	0.00651	0.0305	-0.00694	-0.0127	-0.0312
651	78.0000	55.7000	71.5000	5.1000	1985.0	1.0000	0.2957	0.4095	0.00407	0.2963	0.4103	0.4099	0.00848	0.00256	0.00873	0.00438	0.00651	-0.00899
652	39.0000	25.0000	94.1000	0.7000	2006.0	1.0000	-0.6450	-0.8341	0.0173	-0.6507	-0.8415	-0.8385	-0.00045	0.0257	0.0540	-0.0401	-0.0106	-0.00082
653	54.0000	48.7000	75.9000	2.0000	1998.0	1.0000	0.8278	1.0217	0.00451	0.8297	1.0240	1.0232	0.000518	-0.00837	0.0382	0.0217	-0.0170	-0.00211
654	67.0000	40.4000	43.6000	2.9000	2005.0	2.0000	1.0163	1.1912	0.0227	1.0280	1.2049	1.2012	-0.0486	0.0548	-0.0464	-0.1209	-0.0250	0.0532
655	76.0000	44.1000	78.2000	3.4000	1991.0	2.0000	0.3728	0.5101	0.00443	0.3736	0.5113	0.5107	0.00561	0.00781	-0.00141	0.00803	0.00166	-0.00625
656	68.0000	39.2000	81.4000	4.4000	1998.0	1.0000	0.5213	0.6934	0.00576	0.5229	0.6954	0.6946	0.0103	-0.00508	-0.0184	0.0171	0.0278	-0.0102
657	43.0000	37.8000	63.6000	1.0000	1994.0	1.0000	-0.6745	-0.8660	0.00490	-0.6762	-0.8682	-0.8673	-0.0106	0.0112	0.0180	0.0194	0.0110	0.00849
658	74.0000	40.2000	77.2000	2.6000	1993.0	1.0000	-1.7282	-1.6631	0.00368	-1.7314	-1.6662	-1.6664	-0.0372	-0.0513	0.0330	-0.0238	-0.00709	0.0371
659	57.0000	38.4000	69.6000	1.9000	1984.0	1.0000	0.8170	1.0113	0.00605	0.8195	1.0143	1.0133	0.0470	-0.00101	-0.0278	-0.00265	0.00571	-0.0454
660	52.0000	37.3000	54.5000	1.5000	1991.0	1.0000	-0.7539	-0.9487	0.00852	-0.7571	-0.9528	-0.9513	-0.					

680	70.0000	30.5000	80.0000	1.3000	2016.0	1.0000	-0.8436	-1.0368	0.0138	-0.8494	-1.0440	-1.0415	0.0499	-0.0417	0.0558	0.00423	0.0203	-0.0519
681	28.0000	45.0000	56.8000	3.4000	1999.0	2.0000	1.2092	1.3424	0.0137	1.2176	1.3518	1.3500	-0.00186	-0.0862	-0.00894	-0.0343	0.0349	0.00386
682	82.0000	37.0000	74.1000	1.7000	1992.0	1.0000	0.6213	0.8080	0.00720	0.6236	0.8110	0.8098	0.0115	0.0379	-0.0215	-0.00482	-0.0127	-0.0108
683	81.0000	40.0000	75.6000	1.6000	2004.0	1.0000	0.7278	0.9220	0.00729	0.7304	0.9254	0.9241	-0.0193	0.0493	-0.00737	-0.00519	-0.0289	0.0193
684	26.0000	38.9000	50.0000	1.0000	2017.0	1.0000	-0.2952	-0.4088	0.00592	-0.2961	-0.4100	-0.4094	0.0118	0.00613	0.00332	0.0145	0.00525	-0.0127
685	50.0000	44.9000	78.2000	3.5000	1999.0	1.0000	-1.3235	-1.4228	0.00466	-1.3266	-1.4262	-1.4257	-0.0176	0.0476	-0.00832	-0.0507	-0.0481	0.0186
686	60.0000	52.9000	67.0000	4.4000	1981.0	2.0000	0.3666	0.5022	0.00574	0.3677	0.5037	0.5030	0.0141	-0.00435	0.00853	0.00483	0.00743	-0.0148
687	38.0000	45.5000	59.1000	0.9000	2011.0	1.0000	-0.4903	-0.6564	0.00676	-0.4920	-0.6587	-0.6577	0.0221	0.00707	-0.0118	0.0192	0.0204	-0.0229
688	60.0000	44.4000	69.7000	1.2000	1998.0	1.0000	0.9796	1.1599	0.00394	0.9815	1.1622	1.1616	-0.00662	0.0201	0.0198	-0.0105	-0.0246	0.00669
689	72.0000	39.9000	66.0000	6.1000	2000.0	1.0000	0.5049	0.6739	0.00949	0.5073	0.6771	0.6757	0.00687	0.00250	-0.0270	-0.00680	0.0405	-0.00571
690	77.0000	38.4000	75.6000	1.6000	2014.0	2.0000	-1.3020	-1.4082	0.0169	-1.3132	-1.4203	-1.4185	0.0940	-0.0891	0.0264	0.0128	0.0702	-0.0931
691	71.0000	49.5000	72.5000	6.5000	1998.0	1.0000	-2.7080	-2.0593	0.00553	-2.7155	-2.0650	-2.0691	-0.0390	0.0171	-0.00275	-0.0440	-0.1653	0.0407
692	72.0000	41.5000	73.8000	1.3000	1989.0	1.0000	-1.4677	-1.5157	0.00517	-1.4715	-1.5196	-1.5194	-0.0392	-0.0590	0.00383	-0.00264	0.0468	0.0393
693	45.0000	41.5000	63.0000	2.6000	1994.0	1.0000	1.1138	1.2702	0.00431	1.1162	1.2730	1.2724	0.0257	-0.0328	-0.0221	-0.0251	0.0208	-0.0228
694	61.0000	47.7000	81.9000	2.3000	1988.0	1.0000	0.5631	0.7422	0.00534	0.5646	0.7441	0.7433	0.0205	-0.00271	0.0177	0.0259	-0.00174	-0.0219
695	81.0000	43.9000	75.8000	4.1000	2013.0	1.0000	0.5737	0.7544	0.00616	0.5755	0.7567	0.7557	-0.0241	0.0241	-0.00292	0.00165	0.00786	0.0238
696	69.0000	45.2000	82.1000	2.7000	1992.0	2.0000	0.4291	0.5814	0.00558	0.4303	0.5831	0.5823	0.00572	0.00549	0.00405	0.0156	-0.00273	-0.00684
697	80.0000	39.1000	72.5000	3.3000	2006.0	1.0000	0.6508	0.8404	0.00587	0.6527	0.8428	0.8418	-0.0144	0.0325	-0.0216	-0.00825	0.00522	0.0152
698	42.0000	40.7000	83.3000	4.5000	1988.0	2.0000	0.5087	0.6785	0.0140	0.5124	0.6833	0.6812	0.0258	-0.0312	-0.0151	0.0318	0.0356	-0.0264
699	76.0000	42.4000	87.1000	2.1000	2010.0	1.0000	0.6617	0.8522	0.00732	0.6641	0.8554	0.8541	-0.0249	0.0275	0.00712	0.0259	-0.0159	0.0235
700	80.0000	53.8000	69.6000	8.1000	1987.0	1.0000	0.2129	0.2977	0.00445	0.2133	0.2984	0.2980	0.00570	-0.00062	0.000733	0.00249	0.0113	-0.00585
701	78.0000	53.4000	63.5000	7.3000	1995.0	1.0000	0.3059	0.4230	0.00558	0.3068	0.4242	0.4236	0.00467	0.00103	0.00221	-0.00076	0.0169	-0.00478
702	79.0000	48.6000	63.7000	6.1000	1981.0	2.0000	0.2460	0.3428	0.00391	0.2465	0.3435	0.3432	0.00751	0.00205	-0.00185	-0.00016	0.00834	-0.00764
703	50.0000	43.8000	79.6000	1.1000	1993.0	1.0000	0.9300	1.1164	0.00518	0.9324	1.1193	1.1185	0.0205	-0.0153	0.0212	0.0345	-0.0235	-0.0217
704	48.0000	37.1000	57.1000	0.9000	2013.0	1.0000	-0.4726	-0.6349	0.00754	-0.4744	-0.6373	-0.6363	0.0226	-0.00476	0.0112	0.0275	0.0161	-0.0243
705	63.0000	48.2000	53.3000	4.7000	2013.0	2.0000	0.7512	0.9460	0.0145	0.7567	0.9529	0.9504	-0.0477	0.0128	0.00105	-0.0463	0.00963	0.0484
706	51.0000	51.0000	71.4000	1.9000	1991.0	2.0000	0.6626	0.8532	0.00968	0.6658	0.8574	0.8557	0.00740	-0.00851	0.0345	0.0135	-0.0222	-0.00947
707	82.0000	44.0000	66.4000	8.4000	1990.0	1.0000	0.2542	0.3539	0.00716	0.2551	0.3552	0.3546	0.00769	0.000199	-0.00797	0.000240	0.0191	-0.00748
708	65.0000	57.6000	55.5000	7.1000	2011.0	1.0000	0.5274	0.7006	0.0141	0.5311	0.7055	0.7034	-0.0171	-0.00492	0.0203	-0.0158	0.0331	0.0169
709	50.0000	45.0000	76.1000	5.7000	1999.0	2.0000	0.4805	0.6445	0.00995	0.4829	0.6477	0.6463	0.00631	-0.0208	-0.00759	0.0174	0.0338	-0.00687
710	43.0000	35.5000	77.8000	1.3000	2014.0	2.0000	-0.7314	-0.9257	0.0140	-0.7365	-0.9322	-0.9298	0.0408	0.0130	0.0238	-0.00987	0.0167	-0.0411
711	38.0000	55.4000	67.5000	2.6000	2008.0	2.0000	0.9699	1.1515	0.0178	0.9786	1.1619	1.1589	-0.0485	-0.0429	0.0831	0.0105	-0.0306	0.0451
712	82.0000	47.1000	82.0000	7.4000	1985.0	2.0000	0.1656	0.2326	0.00303	0.1658	0.2329	0.2328	0.00376	-0.00008	-0.00142	0.00379	0.00645	-0.00394
713	65.0000	48.7000	65.0000	4.7000	1996.0	2.0000	0.4593	0.6188	0.00506	0.4605	0.6203	0.6196	0.00179	0.000967	0.00234	-0.00179	0.0112	-0.00223
714	72.0000	41.4000	74.7000	3.7000	1996.0	2.0000	0.4547	0.6131	0.00527	0.4559	0.6147	0.6140	0.00279	0.00848	-0.00972	0.00542	0.00679	-0.00316
715	44.0000	46.2000	56.1000	1.3000	1975.0	1.0000	1.0078	1.1840	0.0130	1.0144	1.1918	1.1896	0.0800	-0.0244	0.0157	-0.0368	-0.0192	-0.0780
716	47.0000	45.2000	58.8000	6.4000	1999.0	1.0000	0.7210	0.9150	0.0157	0.7268	0.9223	0.9196	0.0163	-0.0405	-0.0243	-0.0152	0.0793	-0.0142
717	16.0000	43.8000	66.7000	0.4000	2004.0	1.0000	2.4992	1.9902	0.00638	2.5072	1.9966	2.0003	-0.0322	-0.1410	0.0483	-0.00915	-0.0553	0.0347
718	66.0000	47.1000	69.3000	2.9000	1987.0	2.0000	0.4733	0.6358	0.00522	0.4746	0.6375	0.6368	0.0113	0.00581	0.00511	0.00276	-0.00309	-0.0120
719	41.0000	45.1000	44.7000	2.4000	1995.0	1.0000	1.5328	1.5549	0.0103	1.5408	1.5630	1.5627	0.00764	-0.0310	-0.00611	-0.1278	-0.00661	-0.00112
720	53.0000	57.4000	77.4000	3.4000	1983.0	1.0000	-2.0067	-1.7971	0.00829	-2.0151	-1.8046	-1.8065	-0.1036	0.0617	-0.0985	-0.0906	-0.0387	0.1090
721	54.0000	44.5000	47.1000	2.2000	1983.0	1.0000	-0.9727	-1.1540	0.0123	-0.9787	-1.1611	-1.1591	-0.0457	-0.00581	0.0100	0.0801	0.00931	0.0418
722	49.0000	38.3000	73.1000	2.9000	2011.0	1.0000	-0.8290	-1.0228	0.00522	-0.8312	-1.0255	-1.0246	0.0264	0.0172	0.0269	-0.00044	-0.0194	-0.0280
723	76.0000	39.4000	78.0000	1.9000	2016.0	1.0000	-1.1135	-1.2700	0.00989	-1.1191	-1.2763	-1.2749	0.0752	-0.0659	0.0129	0.00321	0.0393	-0.0753
724	66.0000	45.9000	77.7000	2.1000	1990.0	1.0000	0.6047	0.7894	0.00376	0.6058	0.7909	0.7903	0.0165	0.00803	0.0126	0.0158	-0.00755	-0.0174
725	74.0000	47.8000	79.3000	2.1000	1981.0	2.0000	0.3585	0.4918	0.00603	0.3596	0.4933	0.4926	0.0114	0.00754	0.00717	0.0101	-0.00689	-0.0124
726	49.0000	44.5000	61.5000	0.7000	1984.0	1.0000	1.1083	1.2659	0.00780	1.1127	1.2709	1.2697	0.0474	-0.00429	0.0180	-0.0321	-0.0460	-0.0459
727	39.0000	50.0000	71.4000	1.9000	1999.0	1.0000	1.1263	1.2800	0.00699	1.1303	1.2845	1.2835	-0.00191	-0.0501	0.0625	0.0202	-0.0188	0.000435
728	47.0000	40.2000	83.3000	0.9000	1989.0	1.0000	-1.0678	-1.2336	0.00747	-1.0718	-1.2383	-1.2371	-0.0458	0.0290	-0.00078	-0.0548	0.0147	0.0467
729	81.0000	50.3000	76.5000	8.6000	1981.0	1.0000	0.1696	0.2381	0.00408	0.1699	0.2386	0.2384	0.00554	-0.00103	-0.00107	0.00324	0.00908	-0.00564
730	82.0000	42.1000	77.6000	3.9000	2002.0	2.0000	0.3972	0.5413	0.00551	0.3983	0.5428	0.5421	-0.00449	0.0136	-0.00603	0.00516	0.00310	0.00398
731	42.0000	36.6000	67.6000	0.7000	2007.0	1.0000	1.8623	1.7303	0.00471	1.8667	1.7344	1.7351	-0.0482	-0.0209	-0.0412	-0.0415	-0.0486	0.0529
732	40.0000	38.9000	80.0000	2.0000	2009.0	1.0000	-0.7415	-0.9361	0.00572	-0.7437	-0.9378	-0.9378	0.0170	0.0305	0.0103	-0.0223	-0.00692	-0.0174
733	50.0000	37.1000	77.8000	2.8000	1990.0	1.0000	0.8086	1.0031	0.00719	0.8115	1.0067	1.0055	0.0402	-0.0262	-0.0356	0.0253	0.0347	-0.0392
734	68.0000	35.8000	79.4000	1.5000	1993.0	1.0000	0.7582	0.9530	0.00582	0.7604	0.9558	0.9548	0.0184	0.0211	-0.0290	0.0130	-0.00749	-0.0178
735	71.0000	46.4000	59.6000	2.3000	1989.0	1.0000	0.6955	0.8884	0.00584	0.6976	0.8910	0.8900	0.0150	0.0272	0.00762	-0.0284	-0.0160	-0.0143
736	82.0000	50.4000	72.7000	4.7000	1990.0	2.0000	0.2781	0.3860	0.00325	0.2785	0.3866	0.3863	0.00345	0.00534				

756	76.0000	46.6000	73.0000	3.4000	1983.0	1.0000	0.4136	0.5620	0.00389	0.4144	0.5631	0.5626	0.0173	0.00818	0.00238	0.00489	0.00491	-0.0176
757	67.0000	59.6000	57.7000	4.5000	1968.0	1.0000	0.3305	0.4554	0.00895	0.3320	0.4574	0.4565	0.0210	-0.00096	0.0145	-0.00141	0.00574	-0.0214
758	59.0000	45.4000	56.4000	1.0000	1981.0	1.0000	-1.0818	-1.2449	0.0103	-1.0874	-1.2513	-1.2498	-0.0527	-0.0241	-0.0153	0.0550	0.0486	0.0507
759	64.0000	46.9000	64.7000	4.3000	1986.0	1.0000	0.5241	0.6967	0.00482	0.5254	0.6984	0.6976	0.0231	-0.00183	-0.00124	-0.00295	0.0200	-0.0228
760	65.0000	54.3000	64.2000	1.6000	1983.0	1.0000	0.6262	0.8135	0.0101	0.6294	0.8176	0.8159	0.0218	0.0136	0.0433	-0.00613	-0.0292	-0.0230
761	49.0000	43.5000	59.4000	1.6000	1982.0	1.0000	-1.0002	-1.1776	0.00760	-1.0040	-1.1821	-1.1808	-0.0567	0.0124	0.00247	0.0331	0.0118	0.0544
762	60.0000	50.0000	67.9000	1.2000	1995.0	1.0000	-1.1383	-1.2893	0.00694	-1.1423	-1.2938	-1.2928	0.00202	-0.0218	-0.0651	0.0100	0.0635	-0.00052
763	48.0000	45.7000	79.6000	2.0000	2007.0	1.0000	-0.9572	-1.1405	0.00520	-0.9597	-1.1435	-1.1426	0.0252	0.0229	-0.0307	-0.0333	0.0126	-0.0237
764	68.0000	50.5000	56.7000	4.3000	2007.0	1.0000	0.7418	0.9364	0.00780	0.7447	0.9401	0.9388	-0.0260	0.0174	0.0174	-0.0369	0.00764	0.0267
765	82.0000	42.4000	72.9000	1.5000	2000.0	1.0000	0.6816	0.8736	0.00704	0.6840	0.8767	0.8755	-0.0111	0.0473	0.00258	-0.00858	-0.0317	0.0109
766	58.0000	36.7000	61.7000	1.2000	1998.0	2.0000	-0.9519	-1.1359	0.0128	-0.9581	-1.1432	-1.1410	0.0136	-0.0265	0.0407	0.0447	0.0384	-0.0157
767	75.0000	43.9000	81.5000	1.5000	2008.0	2.0000	0.6122	0.7979	0.0122	0.6160	0.8028	0.8008	-0.0289	0.0307	0.0117	0.0139	-0.0336	0.0271
768	82.0000	43.8000	87.9000	3.8000	2009.0	1.0000	0.4605	0.6202	0.00563	0.4618	0.6219	0.6211	-0.01000	0.0145	0.00118	0.0183	0.00601	0.00909
769	77.0000	49.8000	76.3000	2.9000	2010.0	2.0000	0.5048	0.6738	0.00938	0.5072	0.6770	0.6756	-0.0246	0.0208	0.0185	0.00641	-0.0167	0.0229
770	72.0000	42.3000	80.3000	1.3000	1992.0	1.0000	0.6424	0.8313	0.00510	0.6441	0.8334	0.8325	0.0118	0.0227	0.00494	0.0156	-0.0203	-0.0126
771	73.0000	47.5000	76.2000	2.0000	1993.0	1.0000	-1.7356	-1.6670	0.00428	-1.7394	-1.6705	-1.6708	-0.0201	-0.0560	-0.0531	-0.0280	0.0467	0.0232
772	42.0000	43.0000	69.0000	1.3000	1989.0	2.0000	0.9330	1.1191	0.0101	0.9378	1.1248	1.1231	0.0239	-0.0269	0.00390	0.00625	-0.0240	-0.0245
773	82.0000	46.9000	71.3000	7.2000	1993.0	1.0000	0.2776	0.3853	0.00505	0.2783	0.3862	0.3858	0.00622	0.00157	-0.00397	0.00248	0.0164	-0.00624
774	21.0000	37.5000	69.2000	1.1000	1990.0	1.0000	-0.5616	-0.7405	0.00878	-0.5641	-0.7437	-0.7423	-0.0218	0.0407	0.0134	-0.00354	-0.00654	0.0204
775	39.0000	43.1000	68.4000	1.4000	2003.0	1.0000	-0.6703	-0.8615	0.00386	-0.6716	-0.8632	-0.8625	0.00961	0.0205	-0.00710	0.00474	0.0123	-0.0103
776	59.0000	39.0000	79.0000	2.7000	2003.0	2.0000	-1.4526	-1.5064	0.00820	-1.4586	-1.5126	-1.5122	0.0214	-0.00172	0.0356	-0.0387	-0.00531	-0.0200
777	67.0000	45.6000	71.9000	3.7000	1984.0	2.0000	0.3938	0.5370	0.00479	0.3948	0.5383	0.5377	0.0135	0.00172	-0.00121	0.00575	0.00605	-0.0140
778	52.0000	45.2000	66.7000	2.1000	2016.0	1.0000	-0.7293	-0.9236	0.00673	-0.7318	-0.9267	-0.9255	0.0478	-0.00162	-0.0150	0.0179	0.0198	-0.0484
779	42.0000	45.8000	65.4000	1.5000	1982.0	1.0000	-1.0030	-1.1799	0.00799	-1.0070	-1.1847	-1.1834	-0.0603	0.0390	-0.0197	0.00253	0.0103	0.0596
780	49.0000	44.6000	72.2000	0.6000	1988.0	1.0000	-0.9781	-1.1587	0.00623	-0.9812	-1.1623	-1.1612	-0.0324	0.00969	-0.0263	-0.0103	0.0408	0.0328
781	77.0000	47.6000	73.5000	3.3000	1983.0	2.0000	-3.0211	-2.1518	0.00425	-3.0275	-2.1564	-2.1609	-0.0835	-0.0626	-0.0250	-0.0417	0.00344	0.0889
782	81.0000	46.8000	55.7000	2.6000	1986.0	2.0000	0.4713	0.6334	0.00914	0.4735	0.6364	0.6351	0.00687	0.0257	0.00148	-0.0207	-0.0140	-0.00686
783	25.0000	39.6000	84.6000	0.7000	2010.0	1.0000	-0.5289	-0.7023	0.00868	-0.5312	-0.7054	-0.7041	0.0126	0.0319	-0.00389	-0.0232	0.00655	-0.0124
784	59.0000	44.2000	79.4000	4.7000	2001.0	1.0000	0.5777	0.7589	0.00558	0.5793	0.7610	0.7601	0.00613	-0.0130	-0.00513	0.0213	0.0331	-0.00648
785	64.0000	40.6000	77.0000	2.8000	1991.0	1.0000	-1.5753	-1.5796	0.00356	-1.5781	-1.5824	-1.5824	-0.0533	-0.00660	0.0305	-0.0341	-0.0294	0.0530
786	11.0000	60.0000	33.3000	3.4000	2005.0	1.0000	-0.4205	-0.5707	0.0208	-0.4250	-0.5767	-0.5740	0.0107	0.0304	-0.0272	0.0313	-0.00011	-0.0116
787	60.0000	42.4000	71.8000	1.5000	2007.0	1.0000	1.0928	1.2537	0.00412	1.0951	1.2562	1.2556	-0.0391	0.0227	0.00826	-0.0107	-0.0392	0.0396
788	36.0000	33.0000	67.4000	1.2000	1996.0	1.0000	-0.5905	-0.7735	0.00672	-0.5925	-0.7761	-0.7750	-0.0105	0.0206	0.0316	0.00940	-0.00391	0.00830
789	63.0000	50.3000	72.2000	5.0000	2007.0	2.0000	0.4793	0.6431	0.00675	0.4810	0.6453	0.6444	-0.0118	-0.00238	0.00900	0.00758	0.0127	0.0107
790	82.0000	47.9000	61.0000	2.4000	1981.0	1.0000	0.4858	0.6510	0.00715	0.4876	0.6534	0.6523	0.0188	0.0244	0.00706	-0.0139	-0.0106	-0.0188
791	71.0000	51.2000	65.0000	5.3000	1983.0	2.0000	0.3008	0.4162	0.00420	0.3014	0.4171	0.4167	0.00899	0.000785	0.00214	0.00108	0.00817	-0.00933
792	55.0000	38.4000	81.6000	3.2000	2004.0	1.0000	0.8297	1.0235	0.00540	0.8320	1.0263	1.0253	-0.00089	-0.0162	-0.0266	0.0306	0.0312	0.00124
793	55.0000	38.1000	70.0000	1.1000	1995.0	1.0000	-0.8936	-1.0835	0.00390	-0.8953	-1.0856	-1.0849	-0.0109	-0.00682	0.0212	0.0111	0.0208	0.00922
794	54.0000	46.0000	68.9000	2.8000	1991.0	2.0000	0.6309	0.8186	0.00620	0.6328	0.8211	0.8201	0.0117	-0.00690	0.00533	0.00479	-0.00067	-0.0124
795	79.0000	47.1000	76.4000	3.9000	1990.0	1.0000	-2.5505	-2.0078	0.00319	-2.5546	-2.0110	-2.0130	-0.0625	-0.0544	-0.0192	-0.0458	-0.0413	0.0655
796	81.0000	50.8000	64.2000	6.2000	1994.0	2.0000	0.2800	0.3885	0.00390	0.2805	0.3893	0.3889	0.00206	0.00415	0.000471	-0.00099	0.00842	-0.00232
797	43.0000	55.0000	64.3000	3.8000	1993.0	1.0000	-1.2965	-1.4044	0.00990	-1.3029	-1.4114	-1.4103	-0.0300	0.0657	-0.0804	-0.00833	-0.0310	0.0317
798	42.0000	42.4000	58.9000	1.5000	2011.0	1.0000	-0.5359	-0.7106	0.00582	-0.5375	-0.7127	-0.7118	0.0230	0.00584	-0.00070	0.0239	0.0137	-0.0243
799	42.0000	40.0000	83.3000	2.0000	1992.0	2.0000	0.7591	0.9540	0.0123	0.7638	0.9599	0.9577	0.0223	-0.0343	-0.00996	0.0451	0.00676	-0.0236
800	71.0000	42.0000	48.9000	3.5000	2000.0	1.0000	0.8948	1.0846	0.0122	0.9003	1.0913	1.0891	-0.0114	0.0410	-0.0319	-0.0842	0.00568	0.0155
801	57.0000	44.2000	92.6000	1.0000	1986.0	1.0000	0.6178	0.8041	0.0109	0.6212	0.8085	0.8067	0.0292	-0.00694	0.0181	0.0500	-0.0121	-0.0313
802	77.0000	54.6000	60.1000	2.6000	1982.0	1.0000	0.4754	0.6384	0.00811	0.4774	0.6410	0.6398	0.0154	0.0179	0.0237	-0.0106	-0.0130	-0.0160
803	53.0000	40.4000	75.9000	1.7000	1994.0	1.0000	-1.0759	-1.2402	0.00316	-1.0776	-1.2421	-1.2416	-0.0239	0.0110	0.0108	-0.0199	0.00513	0.0235
804	57.0000	39.7000	78.3000	1.0000	1984.0	1.0000	0.7912	0.9861	0.00667	0.7939	0.9894	0.9882	0.0434	0.000119	-0.00766	0.0222	-0.0136	-0.0434
805	32.0000	46.7000	69.2000	1.5000	1989.0	1.0000	-0.8210	-1.0151	0.00814	-0.8244	-1.0193	-1.0179	-0.0311	0.0501	-0.0258	-0.0119	0.00549	0.0311
806	62.0000	42.6000	84.6000	6.6000	1998.0	1.0000	0.3896	0.5316	0.00981	0.3915	0.5342	0.5330	0.0107	-0.0117	-0.0104	0.0187	0.0344	-0.0109
807	81.0000	52.5000	62.0000	6.9000	1982.0	2.0000	0.2112	0.2954	0.00346	0.2115	0.2959	0.2956	0.00529	0.00138	0.000173	-0.00014	0.00713	-0.00544
808	74.0000	46.0000	71.1000	1.8000	1985.0	1.0000	-1.7763	-1.6878	0.00516	-1.7809	-1.6922	-1.6927	-0.0619	-0.0646	-0.0309	-0.00106	0.0465	0.0632
809	40.0000	51.4000	68.4000	0.4000	1993.0	1.0000	1.2478	1.3703	0.0111	1.2548	1.3780	1.3767	0.00902	-0.0334	0.0945	0.00546	-0.0770	-0.0110
810	80.0000	46.2000	69.0000	4.1000	1983.0	1.0000	0.3791	0.5182	0.00404	0.3799	0.5193	0.5188	0.0152	0.00877	-0.00129	0.000296	0.00817	-0.0152
811	39.0000	44.6000	83.2000	3.2000	1993.0	1.0000	0.7870	0.9818	0.0103	0.7910	0.9869	0.9851	0.0326	-0.0547	0.00746	0.0530	0.0370	-0.0337
812	59.0000	41.6000	69.9000	1.9000	1996.0	1.0000	0.9152	1.1031	0.00242	0.9163	1.1044	1.1040	0.00816	0.00889	-0.00685			

832	75.0000	55.7000	70.8000	4.0000	1996.0	2.0000	0.3551	0.4874	0.00523	0.3560	0.4886	0.4880	-0.00160	0.00672	0.0150	0.00390	-0.00272	0.000560
833	80.0000	52.1000	64.1000	3.2000	2016.0	1.0000	0.7208	0.9148	0.0131	0.7256	0.9209	0.9186	-0.0556	0.0454	0.0378	-0.0270	-0.0279	0.0548
834	51.0000	45.1000	67.7000	0.7000	1982.0	1.0000	-1.0639	-1.2304	0.00789	-1.0681	-1.2353	-1.2341	-0.0562	0.00571	-0.0255	0.00350	0.0420	0.0561
835	42.0000	37.2000	65.3000	0.8000	1995.0	1.0000	-0.6468	-0.8361	0.00482	-0.6484	-0.8381	-0.8373	-0.00805	0.0113	0.0173	0.0154	0.0124	0.00617
836	54.0000	36.4000	100.0	0.9000	1999.0	1.0000	1.1186	1.2740	0.0191	1.1295	1.2863	1.2835	0.0263	-0.0792	-0.0113	0.1284	0.0109	-0.0287
837	57.0000	36.8000	61.5000	1.2000	1990.0	1.0000	-0.8766	-1.0678	0.00702	-0.8797	-1.0715	-1.0703	-0.0241	-0.0148	0.0366	0.0394	0.0175	0.0209
838	22.0000	31.3000	82.1000	1.5000	2017.0	1.0000	-0.4232	-0.5740	0.00932	-0.4252	-0.5767	-0.5755	0.0128	0.0248	0.0175	-0.0101	-0.00762	-0.0137
839	23.0000	29.1000	62.5000	2.7000	2005.0	1.0000	-0.4428	-0.5984	0.0116	-0.4454	-0.6019	-0.6004	-0.00081	0.0264	0.0342	0.0113	-0.0210	-0.00147
840	54.0000	44.3000	72.2000	1.5000	1998.0	1.0000	0.9980	1.1757	0.00291	0.9994	1.1774	1.1769	-0.00071	-0.00079	0.0185	0.00412	-0.0271	0.000568
841	82.0000	42.6000	77.1000	3.9000	1997.0	1.0000	0.4456	0.6018	0.00358	0.4464	0.6029	0.6024	0.00427	0.0144	-0.00596	0.00559	0.00884	-0.00443
842	47.0000	38.6000	76.4000	1.5000	2007.0	1.0000	-0.7556	-0.9504	0.00393	-0.7571	-0.9523	-0.9516	0.0177	0.0123	0.0110	-0.00843	0.00838	-0.0184
843	77.0000	44.7000	74.0000	3.7000	1998.0	1.0000	0.5091	0.6789	0.00294	0.5098	0.6799	0.6794	0.00241	0.0145	-0.00098	0.00346	0.00713	-0.00263
844	52.0000	39.3000	81.3000	1.3000	1990.0	2.0000	0.7172	0.9110	0.0104	0.7210	0.9158	0.9140	0.0195	-0.00810	-0.00956	0.0305	-0.0129	-0.0206
845	27.0000	29.5000	89.5000	0.3000	2013.0	1.0000	-0.4538	-0.6120	0.0103	-0.4562	-0.6151	-0.6137	0.0106	0.0219	0.0186	-0.0188	0.00105	-0.0113
846	38.0000	39.7000	72.5000	1.2000	2016.0	1.0000	-0.5234	-0.6958	0.00568	-0.5249	-0.6978	-0.6970	0.0261	0.0126	0.00124	0.00222	0.0108	-0.0267
847	67.0000	42.3000	72.9000	2.6000	1987.0	2.0000	-2.0220	-1.8039	0.00585	-2.0280	-1.8092	-1.8105	-0.0564	-0.0313	0.0233	-0.0226	0.00662	0.0584
848	45.0000	38.3000	51.4000	0.7000	1986.0	1.0000	-0.6426	-0.8315	0.0102	-0.6459	-0.8358	-0.8340	-0.0217	0.00177	0.0197	0.0447	0.0179	0.0188
849	63.0000	49.5000	64.6000	2.5000	2010.0	1.0000	0.9605	1.1434	0.00709	0.9640	1.1475	1.1463	-0.0508	0.0240	0.0416	-0.0280	-0.0324	0.0505
850	80.0000	55.8000	67.3000	3.9000	1986.0	1.0000	0.3617	0.4959	0.00485	0.3626	0.4971	0.4965	0.00862	0.00884	0.0150	0.000709	-0.00024	-0.00927
851	39.0000	52.4000	60.4000	1.7000	1982.0	1.0000	-1.0100	-1.1859	0.0124	-1.0164	-1.1933	-1.1913	-0.0541	0.0435	-0.0622	0.0119	0.0214	0.0545
852	43.0000	35.6000	84.5000	1.3000	1980.0	1.0000	0.9967	1.1746	0.0113	1.0024	1.1893	1.1795	0.0813	-0.0382	-0.0453	0.0213	0.0157	-0.0792
853	60.0000	43.3000	56.0000	3.0000	2011.0	2.0000	0.9829	1.1628	0.0138	0.9897	1.1708	1.1685	-0.0615	0.0248	-0.0139	-0.0629	-0.0191	0.0631
854	81.0000	46.0000	72.9000	3.6000	1981.0	1.0000	-2.7409	-2.0696	0.00407	-2.7465	-2.0738	-2.0770	-0.1176	-0.0675	-0.00107	-0.0265	-0.0376	0.1193
855	82.0000	41.2000	74.7000	1.9000	1991.0	1.0000	0.5534	0.7310	0.00529	0.5549	0.7329	0.7321	0.0103	0.0299	-0.00502	0.000270	-0.0122	-0.0104
856	33.0000	37.1000	86.0000	1.6000	2017.0	1.0000	-0.5886	-0.7713	0.00953	-0.5914	-0.7750	-0.7735	0.0254	0.0299	0.00799	-0.000878	-0.00293	-0.0256
857	77.0000	51.9000	66.2000	8.6000	1986.0	2.0000	0.1827	0.2562	0.00385	0.1830	0.2567	0.2565	0.00407	-0.00089	-0.00100	0.00141	0.00896	-0.00419
858	70.0000	43.9000	70.7000	2.1000	1991.0	1.0000	-1.5133	-1.5433	0.00338	-1.5159	-1.5460	-1.5459	-0.0323	-0.0457	-0.00629	0.00558	0.0251	0.0323
859	63.0000	46.6000	62.1000	3.6000	1990.0	2.0000	0.5333	0.7076	0.00567	0.5348	0.7096	0.7087	0.00960	0.00388	-0.00027	-0.00839	0.00422	-0.00977
860	78.0000	43.0000	84.7000	5.1000	2006.0	1.0000	0.4182	0.5678	0.00539	0.4194	0.5693	0.5686	-0.00225	0.00551	-0.00566	0.0147	0.0186	0.00181
861	79.0000	39.0000	78.4000	1.7000	1988.0	1.0000	0.5545	0.7322	0.00585	0.5561	0.7344	0.7334	0.0177	0.0252	-0.0106	0.00737	-0.00887	-0.0177
862	77.0000	42.9000	66.0000	0.7000	1990.0	1.0000	-1.3141	-1.4164	0.00941	-1.3203	-1.4232	-1.4222	-0.0163	-0.0891	-0.0102	0.0433	0.0841	0.0155
863	23.0000	36.7000	45.0000	2.0000	1983.0	2.0000	-0.6149	-0.8008	0.0207	-0.6213	-0.8092	-0.8058	-0.0296	0.0373	0.0363	0.0435	-0.0106	0.0264
864	81.0000	39.4000	77.3000	3.3000	2011.0	1.0000	0.8820	0.8344	0.00682	0.6475	0.8372	0.8361	-0.0243	0.0327	-0.0171	0.000878	0.00340	0.0245
865	71.0000	39.6000	83.7000	0.9000	2010.0	1.0000	0.9166	1.1044	0.00899	0.9208	1.1094	1.1079	-0.0425	0.0440	0.00230	0.0209	-0.0481	0.0416
866	67.0000	43.0000	70.3000	5.5000	2004.0	2.0000	0.4625	0.6226	0.00723	0.4642	0.6249	0.6239	-0.00428	0.000200	-0.0126	0.00206	0.0229	0.00418
867	43.0000	37.4000	57.1000	1.1000	2011.0	1.0000	2.1457	1.8566	0.00645	2.1526	1.8626	1.8646	-0.0837	-0.00583	-0.0510	-0.1141	-0.0531	0.0914
868	54.0000	47.8000	81.1000	2.5000	1972.0	1.0000	-2.1078	-1.8408	0.0104	-2.1188	-1.8504	-1.8534	-0.1765	0.0566	-0.0484	-0.1106	-0.0359	0.1808
869	81.0000	44.4000	77.6000	3.3000	1981.0	2.0000	0.2976	0.4120	0.00429	0.2983	0.4129	0.4125	0.00942	0.00671	-0.00115	0.00564	0.00108	-0.00987
870	82.0000	42.9000	84.4000	3.1000	2013.0	1.0000	0.5750	0.7558	0.00708	0.5770	0.7585	0.7574	-0.0248	0.0271	0.00170	0.0155	-0.00357	0.0239
871	71.0000	44.4000	75.0000	2.4000	1981.0	1.0000	-2.0234	-1.8045	0.00486	-2.0284	-1.8089	-1.8100	-0.1048	-0.0367	-0.00668	-0.0350	0.000010	0.1063
872	45.0000	41.9000	82.1000	0.9000	1984.0	1.0000	0.8820	1.0728	0.00931	0.8861	1.0778	1.0762	0.0531	-0.0303	0.00905	0.0469	-0.0111	-0.0541
873	63.0000	45.3000	72.6000	1.9000	1982.0	1.0000	-1.6132	-1.6010	0.00521	-1.6174	-1.6052	-1.6053	-0.0851	-0.0136	-0.0219	-0.0217	0.0175	0.0861
874	49.0000	66.1000	70.3000	2.0000	2011.0	1.0000	0.9214	1.1088	0.0334	0.9372	1.1277	1.1219	-0.0636	-0.0142	0.1623	0.0182	-0.0703	0.0579
875	68.0000	36.4000	81.0000	1.1000	1983.0	1.0000	-1.5264	-1.5511	0.00823	-1.5327	-1.5575	-1.5573	-0.0857	-0.0365	0.0474	-0.0424	0.0199	0.0853
876	62.0000	48.5000	57.1000	3.7000	1983.0	1.0000	0.6069	0.7920	0.00663	0.6090	0.7946	0.7935	0.0301	0.000840	0.00464	-0.0187	0.0131	-0.0294
877	39.0000	35.5000	75.0000	2.5000	2015.0	1.0000	-0.6219	-0.8087	0.00746	-0.6243	-0.8117	-0.8105	0.0238	0.0237	0.0252	-0.00329	-0.0145	-0.0253
878	62.0000	52.8000	78.9000	3.7000	1985.0	2.0000	0.3492	0.4797	0.00569	0.3502	0.4811	0.4805	0.00994	-0.00307	0.0113	0.0132	0.00277	-0.0110
879	82.0000	36.2000	65.2000	3.0000	2003.0	1.0000	-1.3755	-1.4574	0.00973	-1.3823	-1.4645	-1.4637	0.0224	-0.0900	0.0788	0.0618	-0.00417	-0.0266
880	80.0000	51.1000	63.6000	7.5000	1995.0	1.0000	0.2990	0.4138	0.00573	0.2998	0.4150	0.4144	0.00495	0.00158	-0.00092	-0.00117	0.0178	-0.00495
881	36.0000	33.6000	62.5000	0.9000	2005.0	1.0000	-0.4597	-0.6192	0.00567	-0.4610	-0.6210	-0.6202	0.00685	0.00956	0.0188	0.0157	0.00479	-0.00858
882	74.0000	49.2000	63.2000	5.2000	1991.0	1.0000	0.4283	0.5804	0.00452	0.4293	0.5817	0.5811	0.0104	0.00509	0.00122	-0.00476	0.0165	-0.0103
883	57.0000	46.3000	66.7000	1.4000	2010.0	1.0000	-0.8082	-1.0027	0.00668	-0.8109	-1.0060	-1.0048	0.0425	-0.0154	-0.0270	0.0208	0.0409	-0.0426
884	42.0000	38.4000	86.9000	2.5000	2011.0	1.0000	-0.8675	-1.0593	0.00906	-0.8715	-1.0642	-1.0626	0.0210	0.0413	0.0155	-0.0501	-0.0230	-0.0208
885	81.0000	42.9000	80.0000	3.9000	2000.0	2.0000	0.3721	0.5093	0.00495	0.3731	0.5106	0.5100	-0.00189	0.0106	-0.00375	0.00767	0.00329	0.00129
886	71.0000	47.4000	71.3000	4.2000	2004.0	1.0000	0.5771	0.7583	0.00338	0.5781	0.7596	0.7590	-0.00768	0.00966	0.00613	0.00127	0.0122	0.00737
887	55.0000	47.4000	56.3000	2.6000	1988.0	1.0000	0.8715	1.0631	0.00612	0.8742	1.0663	1.0653	0.0281	-0.00147	0.0123	-0.0379	-0.00368	-0.0266

