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</pre>
then output test; /* 392 Observations */
else output train; /* 891 Observations */
```

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```
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=pcal 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;
/* Compute Measures of Association and Explore Strength of Relationship Between Retention and College */
PROC FREO DATA=train;
   BY College;
   TABLES Target 5yrs * College / all plots=freqplot (twoway=grouphorizontal);
   TITLE:
RUN:
/* Statistics for Table of TARGET_5Yrs by College
```

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```
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
                                 0.4903
Phi Coefficient
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);
RUN;
/* Compute Measures of Association and Explore Strength of Relationship Between Retention and School_Power */
PROC FREO 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;
```

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```
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=cloqit 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)

```
OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK:
NOTE: ODS statements in the SAS Studio environment may disable some output features.
71
           /* logit1 is the best model to use */
72
           /* A General Cumulative Logit Model with alpha level=0.05 */
73
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;
model Target_5yrs(event='1') = 'Position'n GP 'MIN'n PTS FGM*FGA FGPer X3PMade*X3PA X3Per FTM*FTA FTPer OREB*DREB REB
76
          ! AST STL BLK TOV YearStart PositionsPlayed Height*Weight School_Power Birth_Month GP_Level MIN_Level /
76
77
           link=clogit selection=stepwise sle=0.05 sls=0.05 maxiter=100 rsquare influence lackfit;
78
           score data=test out=logit_test1;
79
           ods output association=logit test1 assoc;
NOTE: PROC LOGISTIC is modeling the probability that TARGET_5Yrs='1'.
NOTE: Convergence criterion (GCONV=1E-8) satisfied in Step \overline{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
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.
```

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```
NOTE: PROCEDURE LOGISTIC used (Total process time):
                           11.26 seconds
8.90 seconds
      real time
      user cpu time
      system cpu time
                         0.17 seconds
                            33215.18k
      memory
      OS Memory
                             74256.00k
                             12/06/2018 04:40:26 AM
      {\tt Timestamp}
      Step Count
Page Faults
                                            198 Switch Count 17
                                            10505
      Page Reclaims
       Page Swaps
      Voluntary Context Switches
                                            66863
      Involuntary Context Switches
Block Input Operations
                                            18
      Block Output Operations
                                            18632
81
82
83
            OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
95
```

Results: NBALogistic Regression Model.s as

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	С	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
	Oct	0	0	0	0	0	0	0	0	0	0	1
	Sep	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
School_power	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

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



Residual (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	riterion 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
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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 Covariate					
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
----------	--------	-----------------------	--------

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-Sc	uare 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	Criterion Intercept Only Intercept and Covaria		
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 (GCC	NV=1E-8) satisfied.	

	Model Fit Statistics				
Criterion Intercept Only Intercept		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 Covaria				
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) sa	atisfied.

Intercept and Covariates
986.365
1019.880

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-2 Log	L	1176.012		972.365
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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 Covariate			
AIC	1178.012	988.368	
sc	1182.800	1074.549	
-2 Log L	1176.012	952.368	

Testing Global Null Hypothesis: BETA=0						
Test Chi-Square DF Pr > C						
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 > ChiS						
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.

 $\textbf{Note:} \ \ \mathsf{Model} \ \ \mathsf{building} \ \ \mathsf{terminates} \ \ \mathsf{because} \ \ \mathsf{the} \ \ \mathsf{last} \ \ \mathsf{effect} \ \ \mathsf{entered} \ \ \mathsf{is} \ \ \mathsf{removed} \ \ \mathsf{by} \ \ \mathsf{the} \ \ \mathsf{Wald} \ \ \mathsf{statistic} \ \ \mathsf{criterion}.$

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

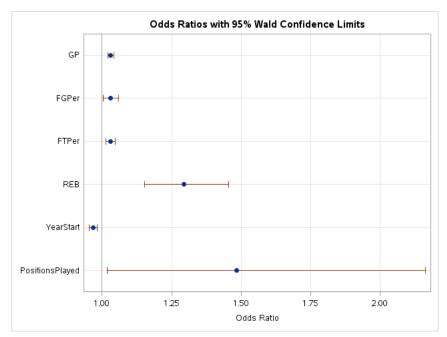
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3	YearStart		1	3	19.4032		<.0001
4	FTPer		1	4	11.5808		0.0007
5	FGPer		1	5	5.1474		0.0233
6	PositionsPlayed		1	6	4.2623		0.0390
7	Birth_Month		11	7	19.8139		0.0480
8		Birth_Month	11	6		19.4300	0.0538

Type 3 Analysis of Effects						
Effect DF Chi-Square Pr > ChiSc						
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 Limit								
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

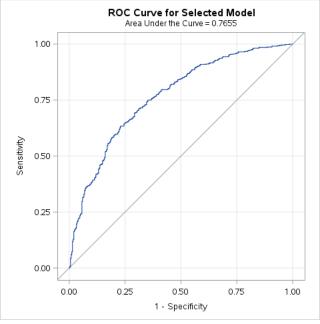
 Percent Concordant
 76.5
 Somers' D
 0.531

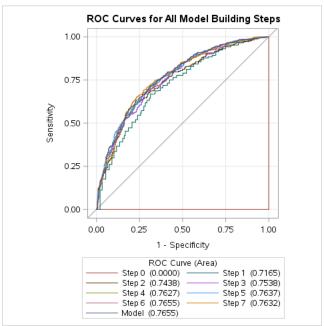
 Percent Discordant
 23.5
 Gamma
 0.531

 Percent Tied
 0.0
 Tau-a
 0.250

 Pairs
 184920
 c
 0.765

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	Partition for the Hosmer and Lemeshow Test Group TAGET_5Yrs = 1 TAGET_5Yrs = 0 0bserved 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													
		TARGET	_5Yrs = 1	TARGET	_5Yrs = 0									
Group	Total	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 Lemes	show Go	odness-of-Fit Test
Chi-Square	DF	Pr > ChiSq
1,2265	8	0.9964

The LOGISTIC Procedure

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				Covariates							Regress	ion Diagnosti	cs						
Case		FOR				B	Pearson	Deviance	Hat Matrix	Standardized Pearson	Standardized Deviance	Likelihood	Intercept	GP	FGPer	FTPer	REB	YearStart	Posi
Number 1	GP 26.0000	FGPer 42.4000	50.0000	2.2000	YearStart 2012.0	PositionsPlayed 1.0000	-0.3951	-0.5386	Diagonal 0.00728	Residual -0.3965	Residual -0.5406	Residual -0.5397	DfBeta 0.0133	DfBeta 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 6	76.0000 50.0000	40.3000	80.8000 68.6000	3.2000 0.8000	2010.0	1.0000	0.6506 1.3323	0.8402 1.4287	0.00553	0.6524 1.3349	0.8425 1.4316	0.8416 1.4312	-0.0207 -0.0197	0.0235	-0.0114 0.0118	-0.0204	-0.0559	0.0205	
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 59.0000	52.4000 55.6000	81.0000 55.1000	3.3000 5.2000	2006.0 1982.0	1.0000	0.5546 -2.1023	-1.8385	0.00623	0.5564 -2.1121	0.7347 -1.8471	0.7337 -1.8498	-0.0130 -0.1034	0.00702	-0.0682	0.0202	-0.00418 -0.0881	0.0112	
12	78.0000	48.4000	79.2000	2.6000	1995.0	1.0000	0.4812	0.6454	0.00932	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 82.0000	44.4000 46.8000	73.2000	1.5000 8.3000	1982.0 1987.0	1.0000	-1.2275 0.2077	-1.3557 0.2906	0.00688	-1.2317 0.2082	-1.3604 0.2913	-1.3596 0.2910	-0.0759 0.00630	-0.00058	-0.0175 -0.00330	-0.0274 0.00333	0.0101	-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	73.0000	36.8000 42.8000	83.0000 69.6000	0.7000 2.7000	1994.0 1983.0	1.0000 2.0000	0.9033	1.0924 0.5875	0.00637	0.9062	1.0959 0.5892	1.0948 0.5884	0.0182	0.0119	-0.0186 -0.00515	0.0303	-0.0251 -0.00209	-0.0182 -0.0150	
24	49.0000	36.4000	66.0000	0.6000	1989.0	1.0000	1.2921	1.4013	0.00590	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 53.0000	39.3000	85.7000 75.3000	2.0000 1.3000	2017.0 1995.0	1.0000	-0.5220 1.0417	-0.6943	0.0119	-0.5252 1.0436	-0.6984 1.2145	-0.6966 1.2139	0.0187	-0.00463	-0.0238	-0.0262 0.0110	-0.0104 -0.0125	-0.0187 -0.0172	
29	82.0000	53.1000	62.4000	5.1000	2007.0	1.0000	0.4758	1.2123 0.6388	0.00371	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	73.0000	43.2000 46.8000	76.2000 73.7000	1.4000 3.9000	1983.0 2008.0	1.0000 2.0000	0.6094	0.7947 0.6642	0.00573	0.6111	0.7970	0.7961 0.6654	-0.0169	0.0139	0.00433	0.0113	-0.0136 0.000178	-0.0296 0.0160	
35	66.0000	39.7000	70.7000	2.0000	1985.0	2.0000	-1.7710	-1.6851	0.00049	-1.7780	-1.6918	-1.6925	-0.0612	-0.0373	0.0438	-0.00198	0.00178	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 40	49.0000 79.0000	43.5000 53.6000	57.7000 83.7000	1.5000 3.8000	1983.0 1984.0	2.0000	0.8666	1.0584 0.3345	0.0118	0.8717	1.0647 0.3351	1.0627 0.3348	0.0346	-0.00481 0.00271	-0.00426 0.00635	-0.0317 0.00779	-0.0253 0.000187	-0.0337 -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 82.0000	45.3000 44.8000	76.2000 79.2000	3.7000 4.5000	2011.0 1983.0	1.0000	0.7750	0.9699	0.00451	0.7767	0.9721	0.9713 0.4245	-0.0275 0.0120	-0.00146 0.00467	-0.00704	0.0136	0.0158	-0.0122	
47	36.0000	43.1000	82.0000	2.4000	1985.0	2.0000	0.6849	0.8771	0.0148	0.6900	0.8836	0.8811	0.0377	-0.0452	0.000824	0.0454	0.0156	-0.0392	
48	59.0000	37.3000	76.5000	1.3000	1985.0	2.0000	0.6561	0.8461	0.0104	0.6595	0.8506	0.8488	0.0266	0.00524	-0.0205	0.0136	-0.0116	-0.0269	
49	65.0000	41.7000	82.0000	2.2000	2001.0	1.0000	-1.3745	-1.4567	0.00345	-1.3769	-1.4592	-1.4590	0.00463	-0.0189	0.000376	-0.0453	0.00844	-0.00327	
50 51	45.0000 63.0000	36.3000 48.7000	67.5000 66.3000	1.2000 2.4000	2000.0 1991.0	1.0000	-0.6694 0.7021	-0.8605 0.8953	0.00429	-0.6709 0.7035	-0.8624 0.8970	-0.8617 0.8964	0.00109	0.00896	0.0228	-0.00669	-0.0114	-0.00304 -0.0141	
51	36.0000	47.5000	61.5000	1.4000	1991.0	2.0000	-0.9336	-1.1197	0.00382	-0.9394	-1.1265	-1.1245	-0.0138	0.00928	-0.0288	0.0135	0.0317	0.0141	
53	67.0000	58.9000	39.8000	3.6000	1985.0	2.0000	-1.8823	-1.7399	0.0172	-1.8987	-1.7550	-1.7576	-0.0224	-0.0536	-0.1091	0.1448	0.0546	0.0231	
54	68.0000	39.2000	79.1000	0.8000	2009.0	1.0000	-0.9706	-1.1521	0.00777	-0.9744	-1.1566	-1.1553	0.0431	-0.0435	0.00251	-0.00576	0.0522	-0.0430	
55	38.0000	37.3000	69.2000	0.5000	1985.0	1.0000	1.3665	1.4514	0.00777	1.3718	1.4571	1.4565	0.0701	-0.0467	-0.0341	-0.00290	-0.0202	-0.0669	
56 57	44.0000 77.0000	34.8000 42.1000	45.9000 73.1000	1.3000 2.0000	1981.0 1994.0	1.0000	-0.6488 0.6263	-0.8383 0.8135	0.0164	-0.6542 0.6276	-0.8452 0.8152	-0.8424 0.8145	-0.0365 0.00643	0.00546	-0.00281	-0.00193	-0.0116 -0.0136	-0.00643	
58	58.0000	38.5000	50.0000	1.3000	2003.0	2.0000	-0.7680	-0.9629	0.00423	-0.7750	-0.9717	-0.9685	0.00643	-0.0295	0.0278	0.0709	0.0400	-0.00643	
59	76.0000	45.2000	72.3000	1.6000	1983.0	1.0000	0.5390	0.7142	0.00587	0.5406	0.7163	0.7154	0.0215	0.0216	0.00754	0.00172	-0.0153	-0.0219	
60	51.0000	40.4000	81.3000	0.9000	1989.0	1.0000	0.9039	1.0929	0.00627	0.9068	1.0964	1.0953	0.0359	-0.0133	0.000407	0.0371	-0.0173	-0.0365	
61	58.0000	44.9000	59.7000	2.9000	1998.0	1.0000	-1.0721	-1.2370	0.00378	-1.0741	-1.2394	-1.2388	0.000559	-0.00657	0.000975	0.0437	-0.00183	-0.00268	
62	54.0000 35.0000	41.9000 55.1000	61.4000 56.5000	3.9000 1.2000	1989.0 1997.0	2.0000 1.0000	-0.6299 -0.6837	-0.8759	0.00848	0.6326 -0.6884	-0.8818	0.8196 -0.8795	0.0202	-0.00981 0.0237	-0.0212 -0.0569	-0.0114 0.0223	0.0223	-0.0194 -0.00674	
64	40.0000	30.5000	80.0000	0.7000	1997.0	1.0000	1.4174	1.4843	0.00954	1.4242	1.4915	1.4908	0.00703	-0.0480	-0.0369	0.0223	0.00626	-0.00074	
65	81.0000	50.1000	62.6000	5.5000	1988.0	2.0000	0.2874	0.3984	0.00383	0.2879	0.3991	0.3988	0.00489	0.00521	0.000361	-0.00198	0.00654	-0.00511	
66	62.0000	39.6000	75.2000	3.2000	2015.0	2.0000	-1.2648	-1.3823	0.0118	-1.2724	-1.3906	-1.3892	0.0767	-0.0173	0.0345	-0.00686	-0.00329	-0.0763	
67	64.0000	55.2000	57.2000	6.4000	1992.0	2.0000	0.3559	0.4884	0.00658	0.3571	0.4900	0.4893	0.00490	-0.00324	0.00633	-0.00380	0.0149	-0.00525	
68	52.0000 65.0000	45.5000	65.3000 67.3000	1.8000 3.9000	1991.0 2011.0	1.0000	0.9590	1.1420	0.00372	0.9608	1.1442 0.8955	1.1435	-0.0339	-0.00691 0.00823	0.0160	-0.0137 -0.00469	-0.0169	-0.0221 0.0325	
70	48.0000	54.9000 47.6000	68.3000	3.6000	2011.0	1.0000	0.6986	0.8916 1.0602	0.00873	0.7017	1.0625	0.8940 1.0617	0.00267	-0.0300	0.0454	0.00392	-0.00412 0.0248	-0.00258	
71	42.0000	43.3000	74.1000	0.6000	1982.0	1.0000	1.0236	1.1973	0.00906	1.0283	1.2028	1.2013	0.0629	-0.0345	0.0178	0.0256	-0.0262	-0.0631	
			57.1000	2.5000	1983.0	2.0000	-1.3325	-1.4289	0.0107	-1.3397	-1.4366	-1.4356	-0.0603	0.00937	0.0344	0.0490	-0.00156	0.0580	

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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 36.0000	35.2000 32.2000	79.2000 64.7000	1.5000 0.8000	2004.0 1982.0	2.0000	0.6883 1.2240	0.8807 1.3532	0.0131	0.6928 1.2354	0.8865 1.3658	0.8842 1.3636	-0.0193 0.0721	-0.0356 -0.0451	-0.0280 -0.0878	-0.0212	-0.0237 -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	0.0721	-0.00083	-0.00168	0.00409	0.0129	-0.0081	-
80	19.0000	29.2000	50.0000	2.2000	2009.0	2.0000	2.6984	2.0562	0.00409	2.7175	2.0707	2.0812	-0.0587	-0.1209	-0.1902	-0.1466	0.0129	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	0.0237	-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 82.0000	37.2000 35.2000	54.6000 73.1000	1.8000 2.6000	2013.0 2005.0	1.0000	1.5960 0.7150	1.5913 0.9088	0.0114	1.6051 0.7182	1.6004 0.9128	1.6005 0.9113	-0.0900 -0.0148	0.0582	-0.0610 -0.0385	-0.1278 -0.0136	-0.0446 -0.00211	0.0971	-
111	68.0000	31.7000	73.5000	0.8000	1994.0	2.0000	-1.2426	-1.3666	0.00879	-1.2526	-1.3776	-1.3757	-0.0148	-0.0573	0.0832	0.0130	0.0468	0.00565	-
112	59.0000	42.3000	81.5000	3.7000	2014.0	1.0000	-1.2426	-1.3573	0.00652	-1.2327	-1.3770	-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	\vdash
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	0.4748	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	-0.00287	-0.00933	0.0287	0.00151	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	-1.2226	-1.2213	0.0428	-0.0240	0.0541	0.0298	-0.0260	-0.0459	-
130	54.0000	49.8000	54.1000	4.9000	1985.0	2.0000	0.5112	0.6814	0.00902	0.5135	0.6845	0.6831	0.0190	-0.0104	0.000725	-0.0133	0.0200	-0.0188	-
131	24.0000	39.1000	72.5000	1.1000	1988.0	1.0000	-0.6543	-0.8442	0.00952	-0.6574	-0.8482	-0.8466	-0.0314	0.0487	0.00914	-0.0133	-0.00637	0.0303	-
132	62.0000	52.7000	63.9000	3.5000	1987.0	2.0000	0.4630	0.6233	0.00609	0.4644	0.6252	0.6243	0.00989	0.000914	0.0155	-0.00069	-0.00144	-0.0108	-
133	70.0000	47.1000	66.7000	3.5000	2009.0	1.0000	0.7493	0.9441	0.00487	0.7512	0.9464	0.9455	-0.0297	0.0223	0.0117	-0.0162	-0.00150	0.0298	-
134	44.0000 50.0000	35.4000 47.4000	71.1000	1.0000 9.0000	2010.0	1.0000 2.0000	-0.5665	-0.7461 -2.3745	0.00511	-0.5679	-0.7480	-0.7472	-0.1621	0.00608	0.0170	-0.1230	0.0105	-0.0199 0.1644	-
135	55.0000	47.4000	73.9000 60.3000	2.5000	1986.0 1981.0	1.0000	-3.9702 -1.3140	-1.4163	0.0106	-3.9913 -1.3185	-2.3871 -1.4212	-2.4096 -1.4205	-0.1621	0.1807	-0.00436	0.0322	-0.3634 -0.00698	0.1644	-
136	40.0000	32.7000	55.6000	0.9000	1981.0	1.0000	-0.6472	-0.8364	0.00684	-0.6516	-0.8422	-0.8399	-0.0794	0.00985	0.0440	0.0322	-0.00066	0.0775	\vdash
138	77.0000	43.0000	74.1000	2.0000	1987.0	2.0000	0.4450	0.6012	0.00651	0.4465	0.6031	0.6022	0.00891	0.0141	-0.00106	0.00362	-0.0107	-0.00955	\vdash
139	35.0000	35.6000	72.7000	3.4000	1988.0	2.0000	0.8268	1.0207	0.00031	0.8343	1.0300	1.0268	0.0462	-0.0590	-0.0557	0.00302	0.0538	-0.0449	\vdash
140	80.0000	55.1000	62.2000	7.5000	2011.0	2.0000	0.3067	0.4241	0.00697	0.3078	0.4256	0.4249	-0.00807	0.00389	0.00430	-0.00260	0.0123	0.00767	
141	37.0000	36.3000	66.7000	1.5000	2014.0	1.0000	-0.4824	-0.6468	0.00556	-0.4837	-0.6486	-0.6478	0.0191	0.0115	0.0132	0.0110	0.00322	-0.0204	
142	80.0000	42.7000	74.4000	4.7000	2008.0	1.0000	0.5163	0.6874	0.00524	0.5176	0.6892	0.6884	-0.0103	0.0162	-0.00987	0.00137	0.0173	0.0104	
143	69.0000	56.7000	66.2000	2.9000	1996.0	1.0000	0.5769	0.7580	0.00788	0.5792	0.7610	0.7598	-0.00250	0.0130	0.0429	-0.00279	-0.0162	0.00108	
144	67.0000	47.8000	87.0000	3.0000	2009.0	1.0000	0.6138	0.7996	0.00656	0.6158	0.8022	0.8012	-0.0178	0.00549	0.0223	0.0323	-0.00184	0.0159	
145	67.0000	40.8000	83.3000	1.7000	1987.0	1.0000	0.5941	0.7776	0.00547	0.5957	0.7797	0.7788	0.0247	0.00849	-0.00301	0.0237	-0.00429	-0.0254	
146	64.0000	39.0000	74.5000	2.0000	1992.0	1.0000	0.7611	0.9560	0.00359	0.7625	0.9578	0.9571	0.0206	0.0119	-0.0188	0.00552	-0.00127	-0.0200	
147	50.0000	42.1000	69.2000	2.2000	2008.0	1.0000	-0.8087	-1.0032	0.00329	-0.8100	-1.0048	-1.0042	0.0254	0.00794	0.00202	0.00954	0.00589	-0.0264	
148	59.0000	40.1000	79.8000	3.2000	2012.0	1.0000	0.8904	1.0805	0.00536	0.8928	1.0834	1.0825	-0.0319	-0.00315	-0.0170	0.0214	0.0197	0.0321	
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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	0.5133	0.8839	0.00804	0.5149	0.0000	0.9482	0.0231	0.0108	-0.00602	-0.0148	0.00144	-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	-
155 156	48.0000 62.0000	52.4000 47.7000	76.0000	2.5000 1.2000	1993.0 1983.0	1.0000 2.0000	0.8398	1.0331 0.7002	0.00668	0.8426 0.5296	1.0366 0.7035	1.0354 0.7021	0.0142	-0.0227 0.00647	0.0504	0.00559	-0.00876 -0.0216	-0.0154 -0.0187	-
157	82.0000	42.5000	75.0000	2.9000	1991.0	1.0000	0.3271	0.7002	0.00937	0.5290	0.6385	0.6380	0.0172	0.00047	-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	\vdash
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 34.0000	41.2000	80.8000 57.1000	0.9000 3.6000	2003.0	1.0000 2.0000	1.1509 -0.6834	1.2989 -0.8754	0.00480	1.1536 -0.6887	1.3020 -0.8823	1.3013 -0.8796	-0.0163 0.0452	-0.0107 0.0310	0.0125	0.0349	-0.0372 -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 25.0000	44.2000 39.5000	76.6000 69.2000	1.2000 3.4000	1981.0 2015.0	2.0000 1.0000	0.3976 -0.5492	0.5418 -0.7261	0.00812	0.3992 -0.5519	0.5440 -0.7297	0.5430 -0.7282	0.0118	0.0176	0.00356	-0.00564	-0.0154 -0.0244	-0.0126 -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	0.0177	0.0213	-0.00233	0.0232	-0.0190	-0.0135	\vdash
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	78.0000	41.9000 45.6000	78.0000 85.4000	4.1000 2.6000	2014.0	1.0000	-1.6912 0.5775	-1.6436 0.7587	0.00679	-1.6970 0.5793	-1.6492 0.7611	-1.6495 0.7601	-0.0724 -0.0193	-0.0668 0.0227	0.0269	-0.0141 0.0207	-0.0331	-0.0720 0.0178	\vdash
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	74.0000	45.4000 42.8000	77.7000 68.8000	2.3000 3.4000	1987.0 1998.0	1.0000	0.4551	0.6135 0.8025	0.00434	0.4560 0.6174	0.6149	0.6143	0.0132	0.0166	-0.00536	-0.00811	-0.00595 0.00697	-0.0138 -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 68.0000	37.5000 36.4000	73.2000 81.0000	2.3000 1.1000	1994.0 2012.0	1.0000	0.5976 -0.9460	-1.1306	0.00616	-0.9501	0.7839 -1.1356	0.7829 -1.1341	0.00843	-0.0400	-0.0217 0.0220	-0.00540 -0.00883	-0.00438 0.0370	-0.00774 -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 79.0000	36.2000 42.2000	73.1000 73.6000	2.6000 8.8000	2003.0 1991.0	2.0000 1.0000	0.6527	0.8424	0.0102	0.6560	0.8468	0.8450	-0.0133 0.00743	-0.00172	-0.0314	-0.00428 0.00337	-0.00430 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	-0.00008	0.0281	-0.00446	-0.0188	-
206	55.0000 27.0000	45.9000 46.6000	77.0000 72.6000	1.6000 3.2000	1984.0 2016.0	1.0000	-1.4289 -0.6368	-1.4916 -0.8251	0.00614	-1.4333 -0.6402	-1.4962 -0.8295	-1.4958 -0.8277	-0.0731 0.0284	0.0156	-0.0362 -0.0150	-0.0473 -0.0114	-0.0162	-0.0284	-
208	27.0000	43.6000	70.0000	1.1000	2010.0	1.0000	2.0311	1.8079	0.00590	2.0371	1.8132	1.8146	-0.0630	-0.0957	0.0367	0.000073	-0.0385	0.0645	
209	47.0000	39.4000	62.9000	3.6000	2004.0	1.0000	1.1575	1.3039	0.00632	1.1611	1.3080	1.3071	-0.00800	-0.0330	-0.0482	-0.0337	0.0499	0.0120	
210	73.0000	45.1000	81.4000	2.9000	2010.0	1.0000	0.6523	0.8420	0.00516	0.6540	0.8442	0.8433	-0.0239	0.0198	0.0111	0.0170	-0.00570	0.0228	
211	55.0000	52.9000	51.5000	6.1000	1992.0	1.0000	0.5839	0.7660	0.0121	0.5875	0.7707	0.7688	0.0170	-0.0170	0.00741	-0.0219	0.0412	-0.0162	-
212	69.0000	48.4000	66.0000	3.0000	2008.0	2.0000	0.6491	0.8386	0.00924	0.6522	0.8425	0.8409	-0.0317	0.0221	0.0162	-0.0122	-0.0188	0.0307	-
213	79.0000 80.0000	43.4000 45.1000	77.5000 60.3000	3.3000	1982.0 2001.0	2.0000 1.0000	-3.1507 0.6295	-2.1869 0.8170	0.00452	-3.1578 0.6314	-2.1918 0.8196	-2.1972 0.8185	-0.1014	-0.0668 0.0331	-0.00404	-0.0608 -0.0285	-0.0183	0.1058	-
215	34.0000	36.7000	44.4000	1.9000	2015.0	2.0000	-0.4206	-0.5708	0.00013	-0.4237	-0.5750	-0.5731	0.0227	0.00559	0.0163	0.0335	0.00672	-0.0245	\vdash
216	79.0000	41.5000	75.7000	6.2000	1994.0	2.0000	0.2811	0.3900	0.00505	0.2818	0.3910	0.3905	0.00451	0.00219	-0.00800	0.00423	0.0132	-0.00463	
217	42.0000	38.0000	75.0000	0.8000	1987.0	1.0000	-0.8623	-1.0545	0.00688	-0.8653	-1.0581	-1.0569	-0.0420	0.0278	0.0170	-0.0166	0.00858	0.0409	
218	68.0000	40.9000	58.3000	1.7000	1986.0	2.0000	-1.4658	-1.5146	0.0115	-1.4743	-1.5233	-1.5228	-0.0345	-0.0610	0.0350	0.0688	0.0505	0.0326	
219	82.0000	48.3000	82.9000	2.3000	2010.0	1.0000	0.5711	0.7514	0.00829	0.5735	0.7545	0.7532	-0.0247	0.0303	0.0237	0.0149	-0.0212	0.0230	-
220	35.0000	36.0000	100.0	0.7000	2007.0	1.0000	1.2977	1.4052	0.0173	1.3091	1.4175	1.4157	-0.0110	-0.0774	-0.0100	0.1348	-0.00392	0.00847	-
221	64.0000 55.0000	44.1000 47.9000	70.2000 68.3000	1.1000	1991.0 1995.0	1.0000	0.8288	1.0226	0.00473	0.8307 0.8917	1.0250 1.0822	1.0242	0.0149	-0.00114	0.0135	-0.00560 -0.00317	-0.0352 -0.0221	-0.0150 -0.00695	-
223	40.0000	41.8000	83.8000	1.0000	1998.0	1.0000	1.1575	1.3039	0.00303	1.1615	1.3085	1.3075	0.0123	-0.0488	0.0174	0.0613	-0.0221	-0.0033	
																			-
224	42.0000	40.5000	76.8000	1.3000	2012.0	2.0000	1.2627	1.3809	0.0126	1.2708	1.3897	1.3882	-0.0687	-0.0277	0.000259	0.0226	-0.0424	0.0675	

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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	0.00420	-1.1332	-1.2869	-1.2858	0.000528	0.0170	-0.0166	-0.0786	0.00078	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 81.0000	45.5000 49.7000	71.6000	4.8000 7.0000	1987.0 1982.0	2.0000 1.0000	0.3002	0.4154	0.00385	0.3007 0.2306	0.4162	0.4158	0.00636	0.00651	-0.00319 -0.00096	0.000225	0.00611	-0.00656 -0.00836	-
232	22.0000	27.7000	87.5000	1.6000	2017.0	1.0000	-0.4394	-0.5941	0.00423	-0.4422	-0.5980	-0.5962	0.00824	0.000343	0.0262	-0.0165	-0.0132	-0.00830	_
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 28.0000	41.4000 50.0000	71.7000	5.1000	2015.0 1997.0	2.0000 1.0000	-0.9018 0.4338	-1.0910 0.5873	0.0208	-0.9114 0.4423	-1.1025 0.5987	-1.0989 0.5935	0.0403	-0.0537	-0.0106	0.00498	-0.0700 0.0809	-0.0419 -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	-0.0108	-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 81.0000	58.2000 44.4000	64.3000 82.6000	3.1000 1.9000	2013.0 1984.0	1.0000	-0.9514 0.4242	-1.1354 0.5753	0.0161	-0.9591 0.4253	-1.1446 0.5768	-1.1419 0.5761	0.0599	0.0228	-0.0969 0.00457	0.00916	-0.00676	-0.0576 -0.0162	-
245	33.0000	45.5000	47.8000	1.5000	2006.0	1.0000	-0.4508	-0.6082	0.00342	-0.4525	-0.6106	-0.6096	0.0130	0.0103	-0.00501	0.0127	0.0111	-0.0162	
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	_
252 253	77.0000 59.0000	44.3000 51.0000	72.7000 78.0000	2.8000 3.3000	1993.0 2006.0	1.0000	0.5402 0.6915	0.7156	0.00321	0.5410 0.6934	0.7167	0.7162	-0.0155	-0.00560	0.000693	0.000961	-0.00231 0.00134	-0.00849 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	_
258 259	78.0000 43.0000	41.3000	77.7000 48.5000	1.6000 2.5000	1984.0 2007.0	1.0000	-1.9200 -0.5614	-1.7577 -0.7402	0.00588	-1.9257 -0.5638	-1.7628 -0.7434	-1.7638 -0.7421	-0.0787 0.0169	-0.0783 0.00660	0.0110	-0.0294 0.0428	0.0372	-0.0798 -0.0193	-
260	40.0000	52.8000	73.7000	2.1000	2015.0	1.0000	-0.7675	-0.7402	0.00804	-0.7724	-0.7434	-0.7421	0.0473	0.0283	-0.0604	-0.0145	0.00144	-0.0193	_
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	_
265 266	60.0000 36.0000	49.4000 55.7000	50.0000 66.7000	2.6000 1.1000	1989.0 1986.0	2.0000 1.0000	0.7164 -0.9644	-1.1468	0.0118	0.7206 -0.9725	0.9156 -1.1564	0.9135 -1.1536	-0.0346	0.0144	-0.0945	-0.0451 -0.0133	-0.0214 0.0429	-0.00639 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	-0.0945	-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 20.0000	46.6000 44.8000	70.2000 75.9000	1.3000 4.1000	1988.0 1993.0	2.0000 1.0000	0.7655 -0.9583	0.9605 -1.1414	0.00984	0.7693 -0.9683	0.9652 -1.1534	0.9635 -1.1499	-0.0504	-0.00931 0.1212	0.0220	-0.0540	-0.0294 -0.0854	-0.0191 0.0502	-
274	15.0000	43.5000	76.7000	1.3000	2017.0	1.0000	-0.9565	-0.5602	0.00863	-0.4140	-0.5626	-0.5615	0.0162	0.1212	-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	0.00654	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	78.0000	41.0000 42.5000	73.7000 80.8000	3.4000	2016.0	1.0000	-1.3834 0.5663	-1.4625 0.7458	0.00861	-1.3893 0.5678	-1.4688 0.7479	-1.4681 0.7470	-0.0179	-0.0759 0.0182	-0.00522	0.0178	0.00109	-0.0837 0.0174	_
281	59.0000	38.1000	82.5000	3.0000	2008.0	1.0000	0.8476	1.0406	0.00547	0.8499	1.0434	1.0425	-0.0179	-0.00475	-0.00322	0.0116	0.0102	0.0174	
282	82.0000	47.7000	67.0000	7.4000	1982.0	2.0000	0.1949	0.2730	0.00359	0.1952	0.2735	0.2733	0.00531	0.000736	-0.00248	0.00104	0.00824	-0.00539	
283	48.0000	50.8000	70.6000	2.9000	2009.0	1.0000	1.0150	1.1901	0.00668	1.0184	1.1941	1.1930	-0.0386	-0.0257	0.0541	0.00804	-0.00644	0.0372	
284	61.0000	56.4000	63.7000	7.0000	2009.0	1.0000	-2.0153	-1.8009	0.0115	-2.0270	-1.8114	-1.8140	0.0393	0.0468	-0.0710	0.00217	-0.1390	-0.0373	_
285	69.0000	51.3000	55.3000	3.4000	1996.0	1.0000	0.6902	0.8827	0.00688	0.6926	0.8858	0.8846	-0.00171	0.0204	0.0223	-0.0345	-0.00684	0.00216	
286	36.0000 78.0000	45.7000 44.7000	74.1000	3.3000	2004.0 1992.0	1.0000 2.0000	-0.5859 -2.4549	-0.7682 -1.9747	0.0112	-0.5892 -2.4609	-0.7725 -1.9795	-0.7707 -1.9821	-0.0217	-0.0783	-0.00321	-0.0232	-0.00895 0.0205	-0.0136 0.0255	<u> </u>
288	48.0000	49.7000	61.5000	1.2000	1984.0	1.0000	-1.0266	-1.1998	0.00482	-1.0313	-1.2053	-1.2038	-0.0217	0.0133	-0.0494	0.0232	0.0399	0.0233	
289	78.0000	43.1000	73.6000	3.2000	2001.0	1.0000	0.5793	0.7607	0.00341	0.5803	0.7620	0.7615	-0.00409	0.0229	-0.00388	-0.00012	0.00132	0.00404	
290	79.0000	44.6000	66.5000	4.0000	1993.0	1.0000	-2.0443	-1.8136	0.00379	-2.0482	-1.8171	-1.8180	-0.0354	-0.0668	0.0216	0.0288	-0.0392	0.0343	
291	67.0000	36.7000	64.6000	3.3000	2015.0	1.0000	-0.9291	-1.1156	0.0103	-0.9339	-1.1214	-1.1197	0.0518	-0.0304	0.0507	0.0439	-0.0133	-0.0552	
292	77.0000	47.5000	73.7000	2.9000	2005.0	2.0000	0.5004	0.6685	0.00726	0.5022	0.6710	0.6699	-0.0162	0.0205	0.0102	0.00245	-0.0130	0.0150	
293	36.0000	40.8000 45.7000	73.2000	7.4000	1989.0 1996.0	1.0000	1.3964 0.3041	1.4709 0.4206	0.00588	1.4005 0.3051	1.4752 0.4219	1.4748 0.4213	0.0499	-0.0562 -0.00071	-0.0114	-0.0159 0.00427	-0.0134 0.0215	-0.0469 -0.00638	_
294	77.0000 77.0000	45.7000	63.2000	3.5000	1996.0	2.0000	0.3041	0.4206	0.00529	0.3051	0.4219	0.4213	0.00639	0.0122	0.00169	-0.00553	-0.00160	-0.00638	
296	67.0000	38.8000	75.6000	0.7000	1992.0	1.0000	-1.1786	-1.3198	0.00592	-1.1821	-1.3237	-1.3229	-0.0219	-0.0430	0.0150	-0.00445	0.0492	0.0213	
297	43.0000	54.0000	50.7000	0.7000	1982.0	1.0000	-0.8384	-1.0318	0.0179	-0.8460	-1.0412	-1.0380	-0.0313	0.0111	-0.0635	0.0464	0.0542	0.0309	
298	78.0000	61.3000	64.2000	5.9000	1982.0	2.0000	0.2129	0.2977	0.00371	0.2133	0.2983	0.2980	0.00425	0.00129	0.00664	0.00131	0.00311	-0.00468	
299	75.0000	47.9000	69.9000	2.9000	1983.0	1.0000	0.4599	0.6194	0.00428	0.4609	0.6208	0.6202	0.0185	0.0116	0.00719	0.00147	-0.00084	-0.0189	
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300 301 302		45 0000	64 2000	0.000	1002.0	1 0000	1 0060	1 1005	0.00000	1.0102	1 1074	1 1060	0.0520	0.00003	0.0366	0.0144	0.0200	0.0515	1
	49.0000 82.0000	45.9000 53.9000	64.3000 61.1000	0.8000 4.6000	1982.0 1986.0	1.0000 2.0000	-1.0060 0.2966	-1.1825 0.4107	0.00829	-1.0102 0.2973	-1.1874 0.4116	-1.1860 0.4111	-0.0520 0.00461	0.00893	-0.0266 0.00597	-0.00286	0.0390	-0.00503	
	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	-1.4133	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 56.0000	31.8000 42.8000	50.0000 76.4000	0.5000 3.6000	2002.0	1.0000 2.0000	-0.3652 -1.3638	-0.5004 -1.4497	0.00766	-0.3666 -1.3705	-0.5023 -1.4568	-0.5014 -1.4560	0.00379	0.00375	0.0170	-0.0227	-0.0203	-0.00555 -0.0605	-
308	82.0000	60.0000	62.0000	6.8000	1985.0	2.0000	0.1972	0.2763	0.00972	0.1975	0.2767	0.2765	0.0023	0.00149	0.00428	0.000327	0.00437	-0.0005	
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	\vdash
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 82.0000	47.5000 49.1000	75.0000 71.6000	1.5000 9.3000	1992.0 1981.0	2.0000	0.7789	0.9738	0.0105	0.7830 0.1373	0.9790	0.9771	0.0102	-0.0209 -0.00055	-0.00152	0.0252	-0.0247 0.00626	-0.0124 -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 46.0000	61.6000 33.8000	78.7000	4.9000 1.5000	2008.0	1.0000	0.7656 1.3093	0.9606 1.4132	0.0194	0.7732 1.3132	0.9700 1.4174	0.9666 1.4168	-0.0232 -0.00329	-0.0458 -0.0289	-0.0619	0.0126	0.0227	0.0208	-
323	82.0000	49.7000	69.2000	7.4000	2009.0	2.0000	0.2856	0.3960	0.00503	0.2864	0.3971	0.3966	-0.00329	0.00343	-0.0019	0.000909	0.00730	0.00333	\vdash
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	\perp
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 45.0000	38.0000	73.7000 80.8000	1.6000 4.2000	1983.0 2015.0	1.0000	-1.0178 -0.9912	-1.1924 -1.1699	0.00851	-1.0222 -0.9967	-1.1976 -1.1764	-1.1962 -1.1746	-0.0703 0.0340	0.0402	0.0314	-0.0207 -0.0387	-0.0159 -0.0636	-0.0686 -0.0347	\vdash
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 24.0000	54.3000 29.4000	73.7000 75.0000	5.2000 0.9000	1985.0 1999.0	2.0000 1.0000	0.2482 -0.4754	-0.6383	0.00343	0.2487 -0.4775	0.3464 -0.6412	-0.6399	-0.00537 -0.00724	0.00104	0.00491	-0.00473	-0.00447	-0.00589 0.00565	-
338	64.0000	51.8000	50.4000	5.4000	1982.0	1.0000	0.4875	0.6531	0.00900	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 25.0000	36.3000 41.3000	73.7000 76.7000	1.1000 2.2000	2005.0	1.0000	-0.5984 -0.5226	-0.7824 -0.6949	0.00462	-0.5998 -0.5248	-0.7843 -0.6978	-0.7835 -0.6965	0.00798	0.0183	-0.00095	-0.00154 -0.0109	-0.00638	-0.00918 -0.0224	-
345	82.0000	43.3000	65.1000	6.2000	1993.0	1.0000	0.3659	0.5013	0.00645	0.3670	0.5028	0.5021	0.00221	0.00657	-0.00093	-0.00391	0.0212	-0.0224	
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	-
351 352	43.0000 64.0000	34.9000 36.9000	56.3000 76.6000	0.6000 2.3000	1989.0 2003.0	1.0000	1.6743 -1.1377	1.6346 -1.2888	0.00874	1.6817 -1.1401	1.6417 -1.2915	1.6421 -1.2909	0.0471	-0.0137 -0.0200	-0.0770 0.0432	-0.0919	-0.0334 -0.00492	-0.0393 -0.0112	\vdash
353	82.0000	43.2000	77.4000	4.8000	1988.0	1.0000	0.3372	0.4641	0.00410	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	\perp
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	0.0164	0.0649	-0.00784	-0.0458	0.0469	_
357 358	15.0000 82.0000	40.4000 50.0000	70.0000	3.0000 5.3000	1991.0 1993.0	1.0000	-0.6487 0.3450	-0.8381 0.4742	0.0151	-0.6536 0.3456	-0.8445 0.4750	-0.8419 0.4746	-0.0316 0.00564	0.0707	0.0169	-0.00757 0.00150	-0.0398 0.0104	-0.00591	-
359	77.0000	42.1000	70.1000	3.9000	2002.0	1.0000	0.5842	0.4742	0.00355	0.5854	0.4750	0.7673	-0.00304	0.0201	-0.0123	-0.00625	0.0104	0.00391	
360	70.0000	48.7000	70.3000	2.2000	2001.0	1.0000	0.7188	0.9127	0.00465	0.7205	0.9149	0.9141	-0.00397	0.0250	0.0278	-0.00440	-0.0245	0.0122	
361	70.0000	46.1000	74.0000	4.2000	2002.0	2.0000	0.4563	0.6150	0.00500	0.4574	0.6165	0.6159	-0.00535	0.00590	0.000535	0.00620	0.00666	0.00461	
362	80.0000	47.0000	82.3000	6.0000	2005.0	2.0000	0.2839	0.3937	0.00462	0.2845	0.3946	0.3942	-0.00218	0.00280	-0.00075	0.00784	0.00958	0.00164	
363	29.0000	31.0000	85.0000	2.4000	2016.0	2.0000	-0.6819	-0.8739	0.0217	-0.6894	-0.8835	-0.8798	0.0283	0.0462	0.0456	-0.0318	-0.0234	-0.0290	
364	82.0000	49.7000	76.9000	6.4000	2011.0	1.0000	0.3653	0.5005	0.00589	0.3664	0.5020	0.5013	-0.00716	0.00560	0.00258	0.00623	0.0169	0.00670	-
365 366	27.0000	47.2000 40.4000	28.6000 47.8000	2.0000	1993.0 2016.0	2.0000 1.0000	1.9551 -0.3638	1.7739 -0.4986	0.0217	1.9766 -0.3653	1.7934 -0.5007	1.7976 -0.4997	-0.0105 0.0138	-0.0618 0.0144	0.00213	-0.2261 0.0204	-0.0480 -0.00441	-0.0191	-
300	47.0000	53.6000	55.4000	3.9000	2016.0	1.0000	0.9676	1.1495	0.00838	0.9722	1.1551	1.1535	-0.0150	-0.0285	0.00721	-0.0379	0.0137	0.0152	\vdash
367	19.0000	37.8000	37.5000	1.0000	1992.0	1.0000	-0.3271	-0.4508	0.00934	-0.3286	-0.4529	-0.4519	-0.00369	0.0115	0.00886	0.0232	0.00190	0.00211	\vdash
367 368			67.8000	1.1000	1993.0	2.0000	-0.8936	-1.0835	0.0105	-0.8984	-1.0892	-1.0874	-0.0114	0.0199	0.0236	0.00687	0.0215	0.0105	
	42.0000	38.3000					0.5004	0.7014	0.00764	0.5301	0.7041	0.7030	0.0145	0.00403	0.00561	0.0184		0.0450	
368		38.3000 44.1000	79.7000	1.7000	1987.0	2.0000	0.5281	0.7014	0.00101	0.0001						0.0104	-0.0117	-0.0158	-
368 369	42.0000		79.7000 71.8000	1.7000 2.3000	1987.0 1997.0	2.0000 1.0000	0.6399	0.8286	0.00535	0.6417	0.8308	0.8299	-0.00258	0.0152	0.0354	0.00450	-0.0117	0.00119	
368 369 370 371 372	42.0000 62.0000 68.0000 44.0000	44.1000 51.7000 45.3000	71.8000 65.3000	2.3000 1.4000	1997.0 1996.0	1.0000 1.0000	0.6399	0.8286	0.00535 0.00407	0.6417 -0.8048	-0.9998	-0.9991	-0.00415	0.0152 0.0168	0.0354 -0.0172	0.00450 0.0120	-0.0199 0.0203	0.00119 0.00347	
368 369 370 371	42.0000 62.0000 68.0000	44.1000 51.7000	71.8000	2.3000	1997.0	1.0000	0.6399	0.8286	0.00535	0.6417				0.0152	0.0354	0.00450	-0.0199	0.00119	
368 369 370 371 372	42.0000 62.0000 68.0000 44.0000	44.1000 51.7000 45.3000	71.8000 65.3000	2.3000 1.4000	1997.0 1996.0	1.0000 1.0000	0.6399	0.8286	0.00535 0.00407	0.6417 -0.8048	-0.9998	-0.9991	-0.00415	0.0152 0.0168	0.0354 -0.0172	0.00450 0.0120	-0.0199 0.0203	0.00119 0.00347	

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																			-
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 61.0000	52.5000 41.2000	65.4000 74.6000	8.0000	1992.0 2013.0	2.0000 1.0000	0.2086 1.0334	0.2919	0.00381	0.2090 1.0360	0.2925 1.2084	1.2076	-0.0519	0.000369	-0.00029 -0.00657	-0.000876	-0.0108	-0.00299 0.0525	-
379	74.0000	46.7000	73.1000	2.4000	1991.0	1.0000	0.1988	1.2055 0.2784	0.00488	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 33.0000	41.9000 39.9000	67.5000 76.7000	2.6000	1977.0 2012.0	2.0000 1.0000	0.3915	0.5340 1.6118	0.00684	0.3928 1.6378	0.5359 1.6169	0.5350 1.6170	-0.0516	-0.0831	-0.00679 -0.0117	-0.00180 0.0313	-0.00193 0.0133	-0.0178 0.0531	-
393	74.0000	50.1000	66.3000	5.9000	1996.0	1.0000	1.6326 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	0.00470	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	1.5823	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	-1.0697	-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 79.0000	46.7000 47.4000	71.5000	3.8000 5.0000	1992.0 1993.0	1.0000	0.3980	0.5423	0.00337	0.3987	0.5432 0.5233	0.5428	0.00865	0.00663	-0.00365	0.0119	0.00679	-0.00928 -0.00760	-
411	57.0000	43.8000	58.8000	1.9000	1996.0	1.0000	1.0752	1.2396	0.00330	1.0777	1.2425	1.2417	0.00742	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 57.0000	41.5000	90.0000	1.9000 2.9000	2006.0 1997.0	1.0000	-1.2841 -0.9745	-1.3958 -1.1555	0.00680	-1.2885 -0.9772	-1.4006 -1.1588	-1.3998 -1.1579	-0.00482	-0.00332 -0.00632	-0.0114 0.0254	-0.0795 0.0549	-0.00926	-0.0200 0.00143	-
423	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	0.0349	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	0.00955	0.00315	-0.00669	0.0143	0.0174	-0.00982	-
433	65.0000	47.7000	82.5000	5.8000	2006.0	2.0000	0.3684	0.5045	0.00678	0.3697	0.5063	0.5055	-0.00343	-0.00448	0.000899	0.0147	0.0167	0.00257	-
434	48.0000	52.8000	66.9000	5.7000	1992.0	2.0000	0.4487	0.6056	0.00896	0.4507	0.6084	0.6071	0.0106	-0.0194	0.00890	0.00846	0.0243	-0.0113	-
435	50.0000	46.5000	63.9000	1.7000	1999.0	2.0000	0.9434	1.1283	0.00937	0.9478	1.1336	1.1320	-0.0185	-0.00218	0.0230	-0.0184	-0.0394	0.0178	-
436	72.0000	49.3000	60.2000	7.4000	1993.0	1.0000	0.3585	0.4918	0.00787	0.3599	0.4937	0.4928	0.00916	-0.00189	-0.00451	-0.00392	0.0267	-0.00888	-
437	81.0000 81.0000	47.0000 41.5000	63.4000 80.7000	3.1000 2.0000	2016.0	1.0000	-1.2727 0.5863	-1.3879 0.7687	0.0120	-1.2805 0.5878	-1.3963 0.7707	-1.3950 0.7699	-0.00417	-0.0888 0.0305	-0.0239	0.0613	-0.0400	-0.0967 0.00359	-
439	56.0000	47.5000	71.0000	4.9000	1993.0	1.0000	0.5561	0.7887	0.00519	0.5577	0.7707	0.7699	0.0176	-0.0159	0.00109	0.00997	0.0323	-0.0178	
440	82.0000	46.0000	67.8000	3.5000	1985.0	2.0000	0.3440	0.4730	0.00372	0.3448	0.4740	0.7333	0.00768	0.0111	-0.00068	-0.00107	-0.00039	-0.0178	
441	80.0000	46.5000	72.3000	4.7000	1986.0	1.0000	0.3494	0.4800	0.00369	0.3501	0.4809	0.4805	0.0119	0.00592	-0.00129	0.00334	0.0107	-0.0121	
442	53.0000	46.6000	56.0000	2.2000	1996.0	1.0000	1.0984	1.2581	0.00552	1.1015	1.2616	1.2608	0.000543	0.00229	0.0171	-0.0574	-0.0213	0.00168	
443	31.0000	34.2000	55.0000	1.3000	1983.0	2.0000	1.4104	1.4799	0.0182	1.4234	1.4935	1.4923	0.0720	-0.0632	-0.0934	-0.0663	0.00409	-0.0658	
444	79.0000	49.8000	73.4000	3.4000	1985.0	1.0000	0.3863	0.5274	0.00380	0.3870	0.5284	0.5279	0.0123	0.00935	0.00820	0.00494	0.00118	-0.0129	
445	71.0000	43.2000	71.7000	4.1000	1993.0	2.0000	0.4244	0.5755	0.00472	0.4254	0.5768	0.5762	0.00589	0.00565	-0.00699	0.00326	0.00883	-0.00620	
446	56.0000	52.8000	67.5000	1.3000	2007.0	2.0000	0.8893	1.0795	0.0172	0.8970	1.0889	1.0859	-0.0531	0.0158	0.0698	-0.00768	-0.0711	0.0501	
447	77.0000	43.0000	77.4000	3.3000	2002.0	2.0000	0.4588	0.6181	0.00582	0.4602	0.6199	0.6191	-0.00681	0.0149	-0.00318	0.00675	-0.00150	0.00608	
448	80.0000	39.7000	65.8000	1.2000	1997.0	1.0000	0.8052	0.9998	0.00933	0.8090	1.0045	1.0028	-0.00691	0.0612	-0.0140	-0.0341	-0.0412	0.00827	_
449	34.0000	44.6000	63.2000	1.8000	2017.0	2.0000	-0.5988	-0.7829	0.0133	-0.6029	-0.7882	-0.7860	0.0425	0.0185	-0.00909	0.0147	0.0185	-0.0427	
450	66.0000	39.3000	84.5000	4.7000	2009.0	1.0000	0.5915	0.7746	0.00796	0.5939	0.7777	0.7764	-0.00700	-0.00338	-0.0203	0.0245	0.0354	0.00691	
451	36.0000	45.3000	44.4000	2.1000	1983.0	2.0000	1.1608	1.3064	0.0181	1.1714	1.3184	1.3159	0.0464	-0.0405	-0.00774	-0.0897	-0.0140	-0.0428	

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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	0.00570	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	-
457 458	64.0000 62.0000	45.3000 43.5000	63.9000 81.1000	1.3000 2.0000	2002.0 1993.0	1.0000	1.0433 0.6756	1.2136 0.8672	0.00616	1.0466 0.6769	1.2174 0.8688	1.2164 0.8682	-0.0285 0.0154	0.0389	0.0237	-0.0392 0.0250	-0.0560 -0.00491	-0.0163	-
459	76.0000	40.7000	79.7000	1.6000	2015.0	1.0000	-1.1392	-1.2899	0.00373	-1.1449	-1.2964	-1.2949	0.0154	-0.0681	-0.00180	-0.00547	0.0518	-0.0163	-
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	-
465 466	75.0000 51.0000	49.5000 44.0000	57.8000 75.0000	3.0000	1994.0 1985.0	2.0000	0.5212 -1.5180	0.6933 -1.5461	0.00800	0.5233 -1.5249	0.6961	0.6948 -1.5529	-0.00343 -0.0586	0.0224	-0.0102	-0.0194 -0.0431	-0.0141	0.00305	-
465	80.0000	44.0000	69.5000	1.6000 3.0000	2005.0	1.0000	0.6432	0.8321	0.00909	0.6448	-1.5532 0.8342	0.8333	-0.0586	0.0221	0.000377	-0.0431	-0.00818	0.0614	-
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	-
474 475	48.0000 75.0000	41.5000 41.1000	87.5000 78.2000	1.7000	1993.0 2008.0	1.0000	0.8182	1.0124 0.9814	0.00769	0.8214	1.0164 0.9844	1.0150 0.9833	-0.0273 -0.0297	-0.0279 0.0403	-0.00466 -0.00091	0.0562	-0.0265	-0.0286 0.0293	-
476	76.0000	47.7000	85.1000	2.5000	2010.0	1.0000	0.5966	0.7803	0.00726	0.7003	0.7832	0.7820	-0.0234	0.0403	0.0230	0.00430	-0.0203	0.0235	-
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	-
483 484	36.0000 81.0000	36.7000 39.4000	78.3000 78.1000	1.4000 2.9000	2002.0 1994.0	1.0000	-0.6825 0.5073	-0.8746 0.6768	0.00568	-0.6845 0.5084	-0.8771 0.6783	-0.8761 0.6776	-0.00097 0.00882	0.0312	-0.0173 -0.0125	-0.0169 0.00616	-0.00379 0.00364	0.000035 -0.00879	+
485	67.0000	43.7000	61.3000	2.9000	1994.0	1.0000	0.5073	0.9506	0.00442	0.5084	0.9525	0.9518	0.00862	0.0203	-0.00762	-0.0279	0.00364	-0.00879	-
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	0.00302	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	-
492 493	44.0000 82.0000	31.4000 43.0000	78.3000 82.3000	2.7000 4.0000	1983.0 1997.0	1.0000	-1.1526 0.4048	-1.3001 0.5509	0.0170	-1.1625 0.4056	-1.3114 0.5519	-1.3090 0.5515	-0.0983 0.00457	0.0590	-0.00356	-0.0405 0.0109	-0.0774 0.00899	-0.00498	-
494	73.0000	44.7000	60.9000	10.9000	2005.0	2.0000	0.4046	0.3326	0.00373	0.4030	0.3345	0.3336	0.00437	-0.00344	-0.00336	-0.00094	0.00899	-0.00498	+
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 0.8250	0.6453	0.6438	0.00670	0.0243	-0.0217	-0.0248	0.00396	-0.00576 0.0285	-
501 502	71.0000	36.6000 42.0000	78.9000 77.4000	3.5000 1.8000	2012.0	1.0000 2.0000	0.8219	1.0160 0.7848	0.00735	0.6031	1.0198 0.7881	1.0185 0.7868	-0.0274 -0.0101	0.0108	-0.0391 -0.00036	0.0110	0.0266 -0.0210	0.0285	-
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 0.5004	-1.9517	-1.9534	-0.0895	-0.0360 0.00340	-0.0266	-0.0341	-0.0342	0.0919	-
510	72.0000 78.0000	39.4000 41.7000	66.2000 90.9000	5.6000 1.2000	1995.0 2013.0	1.0000	0.4983	0.6661	0.00837	0.5004	0.6689 0.9235	0.6676	-0.0391	0.00340	-0.0264 0.0137	-0.00607 0.0340	0.0359 -0.0369	-0.0121 0.0371	-
511	52.0000	45.4000	51.6000	3.0000	1981.0	2.0000	0.7006	0.8937	0.0122	0.7262	0.8991	0.8970	0.0341	-0.00627	-0.00826	-0.0346	0.00397	-0.0329	
512	43.0000	40.6000	68.0000	1.2000	1990.0	1.0000	-0.8238	-1.0178	0.00463	-0.8257	-1.0202	-1.0194	-0.0270	0.0216	0.00766	0.00507	0.0100	0.0256	
513	79.0000	37.4000	80.0000	3.7000	2008.0	2.0000	0.4891	0.6550	0.00909	0.4913	0.6580	0.6566	-0.0130	0.0179	-0.0191	0.00747	0.00630	0.0127	
514	33.0000	40.5000	76.0000	2.8000	2017.0	1.0000	-0.6248	-0.8119	0.00829	-0.6274	-0.8153	-0.8139	0.0282	0.0351	0.00614	-0.0110	-0.0151	-0.0288	
515	82.0000	43.6000	71.1000	4.0000	2001.0	2.0000	0.4149	0.5637	0.00543	0.4161	0.5652	0.5645	-0.00505	0.0158	-0.00511	-0.00118	0.00218	0.00470	-
516	67.0000	59.6000	57.7000	4.5000	2006.0	1.0000	0.6187	0.8051	0.0120	0.6224	0.8100	0.8080	-0.0218	0.00909	0.0487	-0.0192	-0.00200	0.0208	-
517 518	71.0000	45.7000 48.2000	61.1000 69.1000	1.9000 5.6000	2014.0	1.0000	-0.9142 0.5011	-1.1022 0.6693	0.0118	-0.9196 0.5025	-1.1088 0.6712	-1.1067 0.6704	-0.00976	-0.0538 0.00667	-0.0193 0.00116	-0.00136	0.0506 0.0228	-0.0688 0.00966	+
518	56.0000	41.0000	78.6000	3.8000	2008.0	1.0000	0.5011	1.0717	0.00567	0.8836	1.0751	1.0740	-0.00976	-0.0143	-0.0170	0.0214	0.0228	0.00966	+
520	42.0000	43.9000	55.0000	2.9000	1991.0	1.0000	1.1586	1.3047	0.00038	1.1629	1.3095	1.3085	0.0356	-0.0411	-0.0170	-0.0532	0.0255	-0.0317	
521	63.0000	45.2000	55.1000	4.8000	2012.0	1.0000	0.9063	1.0951	0.0108	0.9112	1.1010	1.0991	-0.0417	0.0102	-0.0157	-0.0572	0.0348	0.0445	
522	79.0000	50.2000	77.3000	3.7000	2009.0	2.0000	0.4251	0.5764	0.00705	0.4266	0.5784	0.5775	-0.0158	0.0142	0.0123	0.00720	-0.00559	0.0145	
523	75.0000	45.9000	76.5000	6.3000	2004.0	2.0000	0.3216	0.4436	0.00537	0.3224	0.4448	0.4442	-0.00169	0.00135	-0.00374	0.00621	0.0146	0.00129	
524	82.0000	48.0000	71.6000	4.0000	1987.0	1.0000	0.3723	0.5095	0.00343	0.3729	0.5104	0.5100	0.0106	0.00992	0.00286	0.00224	0.00520	-0.0109	
525	65.0000	46.2000	68.7000	2.8000	1997.0	2.0000	0.5875	0.7700	0.00573	0.5892	0.7723	0.7713	-0.00372	0.0106	0.00613	-0.00155	-0.00884	0.00293	-
	65.0000 81.0000 70.0000	46.2000 49.8000 40.0000	68.7000 77.5000 78.6000	2.8000 5.1000 3.8000	1997.0 1989.0 2004.0	2.0000 2.0000 1.0000	0.5875 0.2480 0.6209	0.7700 0.3455 0.8076	0.00573 0.00308 0.00430	0.5892 0.2484 0.6222	0.7723 0.3460 0.8093	0.7713 0.3458 0.8086	-0.00372 0.00399 -0.00351	0.0106 0.00297 0.00887	0.00613 0.00175 -0.0172	-0.00155 0.00504 0.0119	-0.00884 0.00464 0.0202	-0.00293 -0.00444 0.00367	

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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	\vdash
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	<u> </u>
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	-
533 534	82.0000 59.0000	44.3000 54.7000	67.3000 67.1000	2.1000	1984.0 1990.0	1.0000	0.5110 -1.4527	-1.5065	0.00599	0.5126 -1.4588	0.6833 -1.5127	-1.5123	-0.0258	-0.00554	-0.1077	-0.00796 -0.00288	-0.0109 0.0492	-0.0177 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	\vdash
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	\vdash
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	<u> </u>
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	<u> </u>
540 541	80.0000	42.1000	70.4000	2.4000	2006.0	1.0000	0.7202	0.9141	0.00621	0.7224	0.9170	0.9159	-0.0236	0.0446	-0.00474	-0.0156	-0.0185	0.0240	-
541	70.0000	54.5000 49.6000	80.9000	3.7000 2.0000	2013.0 1988.0	2.0000	0.4705	0.6324	0.0107	0.4730	0.6358 0.5642	0.6342	-0.0236 0.00682	0.00653 0.00758	0.0274	0.0168	-0.00759 -0.0115	-0.00825	-
543	81.0000	48.5000	88.5000	1.3000	1990.0	1.0000	0.4356	0.5894	0.00090	0.4133	0.5917	0.5907	0.00032	0.00738	0.0144	0.0202	-0.0115	-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	\vdash
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	<u> </u>
548 549	37.0000 52.0000	49.0000 39.3000	67.4000 71.7000	1.3000 2.2000	1989.0 2000.0	1.0000	-0.8720 1.0571	-1.0635 1.2249	0.00823	-0.8756 1.0585	-1.0679 1.2266	-1.0664 1.2262	-0.0276 0.00196	-0.0114	-0.0422 -0.0250	-0.00554 -0.00102	0.0211	-0.0023	-
550	82.0000	37.6000	80.4000	2.9000	2014.0	1.0000	-1.4485	-1.5038	0.00271	-1.4551	-1.5108	-1.5103	0.00190	-0.0114	0.0469	-0.00102	0.00042	-0.00023	-
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	\vdash
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	<u> </u>
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	<u> </u>
556 557	82.0000 82.0000	53.7000 42.0000	70.3000 76.7000	4.6000 2.8000	2005.0	1.0000	0.4330	0.5862	0.00516	0.4341	0.5877 0.8264	0.5870 0.8254	-0.00872 -0.0232	0.0140	-0.00379	0.000275	-0.00280	0.00794	-
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	-0.0232	-0.0317	0.0226	0.000455	0.0314	0.0230	-
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	\vdash
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	\vdash
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	<u> </u>
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	0.0192	0.0491	-0.0604	-0.0813	0.00944	-0.0153	-
564 565	51.0000 63.0000	43.0000 42.7000	68.6000 63.3000	1.7000 2.1000	2009.0	1.0000	-0.7610 -0.7912	-0.9559 -0.9861	0.00401	-0.7625 -0.7947	-0.9578 -0.9903	-0.9571 -0.9888	0.0301	-0.0271	-0.00657 -0.00044	0.0125	0.0197	-0.0308 -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	-0.0271	-0.0322	0.0376	0.0200	0.0666	\vdash
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	\vdash
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	\vdash
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	<u> </u>
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	-
572 573	79.0000	41.5000 51.1000	75.9000 78.4000	3.2000 5.7000	2012.0 1985.0	1.0000	0.8284	1.0223 0.3632	0.00475	0.8304	1.0247 0.3639	1.0239 0.3636	-0.0346 0.00829	0.0148	-0.0102 0.00256	0.00505	0.00798	-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	\vdash
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	\vdash
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	<u> </u>
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 0.4714	-1.7600 0.6335	0.0122	-1.9369	-1.7708	-1.7730	0.1192	-0.0140	-0.0973	0.0140	-0.0203	-0.1141	-
580 581	79.0000 76.0000	40.6000 48.1000	69.9000 78.5000	4.5000 1.7000	1994.0 1986.0	1.0000	-2.0496	-1.8159	0.00494	-2.0555	0.6351 -1.8212	0.6344 -1.8226	-0.0609	-0.0685	-0.0161 -0.0673	-0.00274 -0.0492	0.0184	-0.00946 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	0.0307	0.0177	\perp
585	78.0000	41.8000	64.7000	3.7000	2007.0	1.0000	0.6975	0.8905	0.00649	0.6998	0.8934	0.8923	-0.0207	0.0341	-0.0172	-0.0258	0.00665	0.0220	
586 587	81.0000 26.0000	42.4000 35.7000	74.4000 57.1000	2.8000 1.4000	2011.0	1.0000	0.6861 2.2608	0.8784 1.9027	0.00677	0.6885 2.2683	0.8814 1.9090	0.8802 1.9115	-0.0316 0.00945	-0.0974	-0.00290 -0.0825	-0.00561 -0.0859	-0.0119 0.0120	-0.00029	+
587	64.0000	51.6000	75.1000	8.2000	2013.0	2.0000	0.3235	0.4461	0.00655	0.3250	0.4483	0.4473	-0.00613	-0.0974	0.000690	0.00828	0.0120	0.00029	_
589	47.0000	31.4000	70.4000	1.9000	2000.0	1.0000	1.3665	1.4515	0.00304	1.3719	1.4572	1.4565	0.0114	-0.0237	-0.1007	-0.0186	0.0233	-0.00586	+-
590	55.0000	47.9000	66.7000	3.4000	1990.0	1.0000	-1.4468	-1.5028	0.00395	-1.4497	-1.5058	-1.5056	-0.0486	0.0249	-0.0233	-0.00086	-0.0314	0.0485	
591	82.0000	51.1000	89.9000	1.6000	1981.0	1.0000	0.3347	0.4608	0.00728	0.3359	0.4625	0.4617	0.0116	0.00923	0.0140	0.0160	-0.00841	-0.0128	
592	78.0000	45.8000	74.9000	5.8000	2013.0	1.0000	0.4747	0.6375	0.00688	0.4763	0.6397	0.6388	-0.0140	0.00855	-0.00395	0.00434	0.0237	0.0138	
593	35.0000	29.6000	76.5000	2.4000	2017.0	1.0000	-0.5214	-0.6935	0.0109	-0.5243	-0.6973	-0.6957	0.0184	0.0219	0.0360	-0.00220	-0.0174	-0.0202	-
594	18.0000	33.7000	73.9000	1.7000	2006.0	1.0000	-0.4499	-0.6072	0.00823	-0.4518 0.2879	-0.6097	-0.6086	0.00138	0.0315	0.0175	-0.00491	-0.0112	-0.00257	+
595 596	81.0000 52.0000	43.0000 55.8000	68.7000 71.4000	8.6000 3.8000	2011.0	2.0000 1.0000	0.2866	0.3973	0.00908	0.2879	0.3992 1.0034	0.3983 1.0014	-0.00366 -0.0358	-0.0158	-0.0104 0.0633	0.000088	0.0210	0.00373	-
596	48.0000	38.1000	56.3000	0.9000	2011.0	1.0000	-0.4742	-0.6370	0.0109	-0.4761	-0.6394	-0.6383	0.0232	-0.0196	0.00889	0.0139	0.00251	-0.0249	_
598	75.0000	49.5000	71.2000	1.9000	1981.0	1.0000	0.4847	0.6497	0.00622	0.4862	0.6517	0.6508	0.0202	0.0156	0.0162	0.00310	-0.0129	-0.0209	
599	82.0000	42.5000	55.1000	4.3000	2015.0	1.0000	-1.2670	-1.3838	0.0156	-1.2769	-1.3947	-1.3930	0.0821	-0.0861	0.0393	0.1024	-0.0122	-0.0864	
600	80.0000	39.5000	66.2000	1.8000	2006.0	1.0000	-1.1602	-1.3060	0.00956	-1.1658	-1.3123	-1.3109	0.0445	-0.0875	0.0253	0.0525	0.0474	-0.0467	
601	37.0000	44.3000	81.0000	1.1000	1992.0	1.0000	-0.9197	-1.1072	0.00841	-0.9236	-1.1119	-1.1105	-0.0290	0.0487	-0.0257	-0.0477	0.0117	0.0303	
602		100000	70 2000	1.2000	2014.0	1.0000	-1.2086	-1.3420	0.0124	-1.2162	-1.3504	-1.3488	0.0831	-0.0887	-0.0278	-0.00296	0.0805	-0.0813	
603	80.0000	43.3000 51.2000	79.2000 72.2000	7.9000	1991.0	1.0000	0.2301	0.3212	0.00458	0.2306	0.3220	0.3216	0.00530	-0.00019	-0.00047	0.00317	0.0129	-0.00544	

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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	ı
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	0.00312	-0.0340	-0.0178	-0.0353	0.0220	
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	<u> </u>
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	-
615 616	38.0000 59.0000	29.1000 43.5000	74.2000	1.0000 4.5000	2004.0 1993.0	1.0000 2.0000	-0.4659 0.4654	-0.6268 0.6262	0.00778	-0.4677 0.4668	-0.6292 0.6281	-0.6281 0.6273	0.00382	-0.00708	-0.00796	0.0159	-0.00016 0.0189	-0.00596 -0.0104	\vdash
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	-0.00708	-0.0205	0.0107	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	\vdash
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	-
626 627	82.0000 81.0000	48.0000 47.5000	71.6000 78.8000	4.0000 3.9000	1998.0 2009.0	1.0000	0.4464	0.6028	0.00335	0.4471	0.6039	0.6034	-0.0145	0.0156	0.00524	0.000435	0.00396	-0.00082 0.0136	-
628	47.0000	36.9000	78.8000	1.7000	2009.0	1.0000	-0.8510	-1.0438	0.00485	-0.8530	-1.0463	-1.0455	0.00326	0.0180	0.00891	-0.0233	-0.00368	-0.00408	\vdash
629	72.0000	45.8000	74.8000	5.3000	2010.0	2.0000	0.4347	0.5883	0.00470	0.4362	0.5903	0.5894	-0.0123	0.0262	-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	<u> </u>
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	\vdash
637 638	76.0000	35.2000 55.2000	79.4000 53.2000	1.5000 9.1000	2001.0 1994.0	1.0000 2.0000	0.9730 0.2286	1.1543 0.3191	0.00517	0.9755 0.2293	1.1573 0.3201	1.1564 0.3196	-0.00192 0.00254	-0.00063	-0.0394 -0.00033	-0.00286	-0.00884 0.0131	-0.00314	\vdash
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	0.00254	-0.0267	0.0334	-0.00286	-0.0216	-0.00200	
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	\vdash
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	\perp
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	-
647 648	71.0000 77.0000	43.5000	73.5000 73.4000	3.4000 4.6000	1989.0 1990.0	1.0000	0.5137 -2.4656	-1.9785	0.00329	0.5145 -2.4704	0.6855 -1.9823	0.6850 -1.9844	-0.0740	-0.0380	-0.00454 0.0358	-0.0258	-0.0906	-0.0174 0.0741	\vdash
649	65.0000	48.9000	66.4000	8.4000	1995.0	1.0000	0.3331	0.4587	0.00386	0.3348	0.4610	0.4599	0.00928	-0.00838	-0.00553	0.00291	0.0314	-0.00914	\vdash
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	\vdash
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	-0.00058	-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	-
658 659	74.0000 57.0000	40.2000 38.4000	77.2000 69.6000	2.6000 1.9000	1993.0 1984.0	1.0000	-1.7282 0.8170	-1.6631 1.0113	0.00368	-1.7314 0.8195	-1.6662 1.0143	-1.6664 1.0133	-0.0372 0.0470	-0.0513 -0.00101	-0.0330 -0.0278	-0.0238 -0.00265	-0.00709 0.00571	-0.0371 -0.0454	+
660	52.0000	37.3000	54.5000	1.5000	1984.0	1.0000	-0.7539	-0.9487	0.00852	-0.7571	-0.9528	-0.9513	-0.0170	-0.00101	0.0333	0.0501	0.00937	0.0134	
661	78.0000	46.2000	67.2000	2.8000	1983.0	1.0000	0.4751	0.6380	0.00469	0.4762	0.6395	0.6388	0.0189	0.0165	0.00276	-0.00401	-0.00207	-0.0189	
662	51.0000	43.8000	68.4000	2.0000	1991.0	2.0000	-1.3094	-1.4132	0.00747	-1.3143	-1.4185	-1.4178	-0.0228	0.0136	-0.00262	-0.00221	0.0217	0.0237	
663	71.0000	39.6000	62.3000	2.1000	2010.0	1.0000	1.0766	1.2407	0.00899	1.0815	1.2464	1.2450	-0.0545	0.0588	-0.0269	-0.0616	-0.0322	0.0575	
664	59.0000	44.8000	82.9000	3.2000	2015.0	1.0000	-1.2028	-1.3377	0.00689	-1.2069	-1.3423	-1.3414	0.0595	0.00671	-0.0206	-0.0477	-0.0117	-0.0575	
665	76.0000	41.5000	73.6000	5.1000	1992.0	1.0000	0.4128	0.5610	0.00506	0.4139	0.5624	0.5618	0.0122	0.00456	-0.0123	0.00418	0.0213	-0.0120	_
666	75.0000	30.8000	64.4000	1.4000	2014.0	1.0000	-0.7613	-0.9562	0.0175	-0.7681	-0.9647	-0.9616	0.0465	-0.0555	0.0575	0.0506	0.0258	-0.0501	_
667	77.0000	46.8000	78.6000	2.3000	1993.0	1.0000	0.5083	0.6779	0.00405	0.5093	0.6793	0.6787	0.00655	0.0175	0.0117	0.0108	-0.00929	-0.00748	-
668	81.0000	43.7000	78.3000	3.2000	1989.0	1.0000	-2.3845	-1.9494	0.00361	-2.3888	-1.9529	-1.9546	-0.0658	-0.0723	0.00822	-0.0444	-0.0196	0.0678	-
669 670	50.0000 73.0000	47.3000 44.5000	67.0000 88.9000	1.5000	1990.0 1984.0	1.0000	-1.0423 0.4781	-1.2128 0.6417	0.00491	-1.0449 0.4800	-1.2158 0.6442	-1.2150 0.6431	-0.0266 0.0197	0.0123	-0.0350 0.0105	0.00501	-0.0119	-0.0268	-
671	41.0000	37.5000	72.4000	0.9000	2013.0	1.0000	-0.5349	-0.7094	0.00770	-0.5363	-0.7113	-0.7105	0.0197	0.0112	0.0105	0.0255	0.0128	-0.0210	
672	76.0000	40.9000	69.8000	1.2000	2001.0	1.0000	0.8468	1.0398	0.00320	0.8499	1.0436	1.0423	-0.0178	0.0546	-0.00395	-0.0220	-0.0438	0.0185	
-12	41.0000	36.7000	66.7000	1.7000	1988.0	1.0000	-0.8137	-1.0080	0.00720	-0.8165	-1.0116	-1.0103	-0.0386	0.0340	0.0350	0.00900	-0.0120	0.0360	
673		23.8000	76.5000	0.6000	1990.0	1.0000	-0.7213	-0.9153	0.0171	-0.7276	-0.9233	-0.9203	-0.0336	0.00776	0.0809	-0.00090	-0.00845	0.0301	
673 674	48.0000	20.0000					0.4045	0.6251	0.00811	0.4664	0.6277	0.6265	-0.00239	0.0236	0.00510	0.00679	-0.0196	0.00129	
	48.0000 81.0000	44.1000	78.3000	1.6000	1995.0	2.0000	0.4645	0.0231										0.00120	
674			78.3000 75.6000	1.6000 1.2000	1995.0 1992.0	2.0000 1.0000	-0.8180	-1.0122	0.00563	-0.8203	-1.0151	-1.0141	-0.0272	0.0320	0.0174	-0.0170	0.000089	0.0262	
674 675	81.0000	44.1000								-0.8203 0.4685	-1.0151 0.6303	-1.0141 0.6283	-0.0272 0.0217	0.0320 -0.0315	0.0174 0.00121	-0.0170 0.0359			
674 675 676	81.0000 40.0000	44.1000 38.0000	75.6000	1.2000	1992.0	1.0000	-0.8180	-1.0122	0.00563								0.000089	0.0262	

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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	0.0203	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	\top
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	L
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	-0.0426	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	\vdash
691 692	71.0000 72.0000	49.5000 41.5000	72.5000 73.8000	6.5000 1.3000	1998.0 1989.0	1.0000	-2.7080 -1.4677	-2.0593 -1.5157	0.00553	-2.7155 -1.4715	-2.0650 -1.5196	-2.0691 -1.5194	-0.0390 -0.0392	-0.0590	-0.00275 0.00383	-0.0440 -0.00264	-0.1653 0.0468	0.0407	\vdash
693	45.0000	41.5000	63.0000	2.6000	1994.0	1.0000	1.1138	1.2702	0.00317	1.1162	1.2730	1.2724	0.0257	-0.0328	-0.0221	-0.00264	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	Т
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	L
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	ـــــــــــــــــــــــــــــــــــــــ
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	ـــــــــــــــــــــــــــــــــــــــ
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	\vdash
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	+
704 705	48.0000 63.0000	37.1000 48.2000	57.1000 53.3000	0.9000 4.7000	2013.0	1.0000 2.0000	-0.4726 0.7512	-0.6349 0.9460	0.00754	-0.4744 0.7567	-0.6373 0.9529	-0.6363 0.9504	-0.0477	-0.00476 0.0128	0.0112	-0.0463	0.0161	-0.0243 0.0484	+
705	51.0000	51.0000	71.4000	1.9000	1991.0	2.0000	0.7512	0.9460	0.0145	0.7567	0.9529	0.9504	0.00740	-0.00851	0.00105	0.0135	-0.0222	-0.00947	+
707	82.0000	44.0000	66.4000	8.4000	1990.0	1.0000	0.0020	0.3539	0.00908	0.0056	0.3552	0.8557	0.00740	0.000199	-0.00797	0.000240	0.0191	-0.00947	+
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	\top
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	\top
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	\perp
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	\vdash
717 718	16.0000 66.0000	43.8000 47.1000	66.7000 69.3000	0.4000 2.9000	2004.0 1987.0	1.0000 2.0000	2.4992 0.4733	1.9902 0.6358	0.00638	2.5072 0.4746	1.9966 0.6375	2.0003 0.6368	-0.0322 0.0113	-0.1410 0.00581	0.0483	-0.00915 0.00276	-0.0553 -0.00309	-0.0120	\vdash
719	41.0000	45.1000	44.7000	2.4000	1995.0	1.0000	1.5328	1.5549	0.00322	1.5408	1.5630	1.5627	0.00764	-0.0310	-0.00611	-0.1278	-0.00309	-0.00120	+
720	53.0000	53.4000	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	\top
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	\top
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	L
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 77.6000	8.6000	1981.0	1.0000	0.1696 0.3972	0.2381	0.00408	0.1699	0.2386	0.2384	0.00554	-0.00103	-0.00107	0.00324	0.00908	-0.00564	+
730 731	82.0000 42.0000	42.1000 36.6000	67.6000	3.9000 0.7000	2002.0	2.0000 1.0000	1.8623	0.5413 1.7303	0.00551	0.3983 1.8667	0.5428 1.7344	0.5421 1.7351	-0.00449 -0.0482	-0.0209	-0.00603 -0.0412	-0.0415	-0.0486	0.00398	+
731	40.0000	38.9000	80.0000	2.0000	2007.0	1.0000	-0.7415	-0.9361	0.00471	-0.7437	-0.9388	-0.9378	0.0170	0.0305	0.0103	-0.0223	-0.0486	-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	0.00295	0.00314	0.00313	-0.00394	\perp
737	82.0000	50.6000	64.2000	12.1000	2011.0	1.0000	0.2079	0.2909	0.0101	0.2090	0.2924	0.2917	0.000064	-0.00209	-0.00429	0.000288	0.0193	0.000028	\perp
738	51.0000	41.3000	85.7000	1.1000	2008.0	1.0000	1.1138	1.2702	0.00672	1.1175	1.2745	1.2735	-0.0330	-0.0116	0.0163	0.0522	-0.0322	0.0314	1
739	56.0000	51.3000	72.0000	4.0000	2012.0	1.0000	-1.2587	-1.3780	0.00714	-1.2632	-1.3829	-1.3821	0.0549	0.0188	-0.0573	-0.0152	-0.0199	-0.0530	+
740	48.0000	40.7000	79.5000	2.0000	1986.0	1.0000	0.7990	0.9937	0.00682	0.8017	0.9971	0.9959	0.0460	-0.0269	-0.00868	0.0339	0.0134	-0.0461	+
741	82.0000	44.1000	76.3000	2.0000	1997.0	1.0000	0.5634	0.7425	0.00496	0.5648	0.7443	0.7436	-0.00104	0.0309	0.00583	0.00321	-0.0166	0.000459	\vdash
742 743	41.0000 80.0000	34.3000 45.1000	72.2000 77.7000	0.6000 2.5000	1996.0 2010.0	1.0000	-0.6465 -1.5360	-0.8358 -1.5567	0.00557	-0.6483 -1.5410	-0.8381 -1.5618	-0.8372 -1.5617	-0.00926 0.0672	-0.0833	-0.0251 -0.0278	-0.0186	0.00904	-0.0651	+
744	35.0000	35.0000	72.7000	1.4000	2010.0	2.0000	-0.5829	-0.7649	0.00652	-0.5868	-0.7700	-0.7678	0.0672	0.0179	0.0208	0.00162	0.0427	-0.0051	\vdash
745	71.0000	49.5000	72.5000	6.5000	1989.0	2.0000	-3.8277	-2.3454	0.00418	-3.8357	-2.3504	-2.3585	-0.0852	0.0207	0.00830	-0.0668	-0.1665	0.0900	+
746	64.0000	50.5000	69.7000	3.6000	2001.0	1.0000	0.6458	0.8350	0.00358	0.6470	0.8365	0.8359	-0.00540	0.00366	0.0229	0.00204	0.00397	0.00464	\vdash
747	46.0000	59.1000	48.9000	3.3000	1995.0	1.0000	-1.0448	-1.2149	0.0170	-1.0538	-1.2253	-1.2226	0.00161	0.0263	-0.0929	0.0586	0.0156	-0.00146	
748	60.0000	44.4000	69.7000	1.2000	1989.0	2.0000	0.6930	0.8857	0.00889	0.6961	0.8897	0.8881	0.0109	0.0125	0.00926	0.000011	-0.0316	-0.0118	Г
749	54.0000	42.6000	38.4000	3.7000	1989.0	1.0000	1.0946	1.2550	0.0190	1.1051	1.2671	1.2643	0.0341	0.00185	-0.0479	-0.1285	0.0327	-0.0271	
750	75.0000	40.5000	75.1000	2.5000	2000.0	1.0000	-1.5034	-1.5374	0.00370	-1.5061	-1.5402	-1.5401	0.00630	-0.0605	0.0248	-0.00250	0.0100	-0.00676	Г
750	63.0000	37.4000	64.4000	1.1000	1983.0	1.0000	-1.1227	-1.2771	0.00859	-1.1275	-1.2826	-1.2814	-0.0587	-0.0307	0.0422	0.0357	0.0250	0.0555	\perp
751			73.3000	2.9000	1981.0	1.0000	0.3922	0.5350	0.00440	0.3931	0.5362	0.5356	0.0163	0.0120	0.00371	0.00382	-0.00038	-0.0167	\perp
751 752	81.0000	46.8000																	1
751 752 753	71.0000	49.0000	80.3000	2.2000	1989.0	1.0000	-2.0056	-1.7966	0.00491	-2.0105	-1.8010	-1.8021	-0.0510	-0.0379	-0.0728	-0.0671	0.0337	0.0560	L
751 752							-2.0056 0.8817 0.5565	-1.7966 1.0725 0.7345	0.00491 0.00444 0.0106	-2.0105 0.8837 0.5594	-1.8010 1.0749 0.7384	-1.8021 1.0742 0.7368	-0.0510 0.00908 0.0180	-0.0379 -0.0264 0.000376	-0.0728 0.00414 0.000936	-0.0671 0.0405 0.0315	0.0337 0.00967 -0.0128	0.0560 -0.00988 -0.0196	Ė

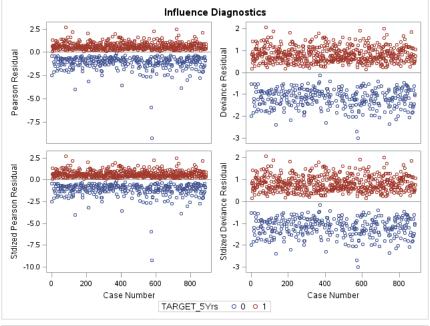
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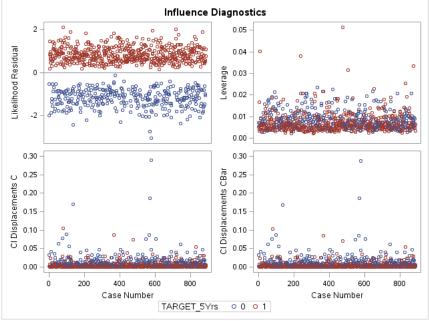
750	70 0000	40.0000	70 0000	0.4000	1000 0	4 0000	0.4400	0.5000	0.00000	0.4444	0.5004	0.5000	0.0470	0.00040	0.00000	0.00400	0.00404	0.0470	
756 757	76.0000 67.0000	46.6000 59.6000	73.0000 57.7000	3.4000 4.5000	1983.0 1968.0	1.0000	0.4136	0.5620	0.00389	0.4144	0.5631 0.4574	0.5626 0.4565	0.0173	-0.00096	0.00238	-0.00489	0.00491	-0.0176 -0.0214	-
757	59.0000	45.4000	56.4000	1.0000	1981.0	1.0000	-1.0818	-1.2449	0.00893	-1.0874	-1.2513	-1.2498	-0.0527	-0.00090	-0.0153	0.0550	0.00374	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	-
766 767	58.0000 75.0000	36.7000 43.9000	61.7000 81.5000	1.2000	1998.0 2008.0	2.0000	-0.9519 0.6122	-1.1359 0.7979	0.0128	-0.9581 0.6160	-1.1432 0.8028	-1.1410 0.8008	-0.0289	-0.0265 0.0307	0.0407	0.0447	-0.0384 -0.0336	-0.0157 0.0271	-
767	82.0000	43.8000	87.9000	3.8000	2009.0	1.0000	0.4605	0.6202	0.00563	0.4618	0.6219	0.6211	-0.0289	0.0307	0.00117	0.0139	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	-
775 776	39.0000 59.0000	43.1000 39.3000	79.0000	1.4000 2.7000	2003.0	1.0000 2.0000	-0.6703	-0.8615	0.00386	-0.6716 -1.4586	-0.8632	-0.8625 -1.5122	0.00961	-0.00172	-0.00710 0.0356	-0.0387	0.0123	-0.0103 -0.0200	-
777	67.0000	45.6000	71.9000	3.7000	1984.0	2.0000	-1.4526 0.3938	-1.5064 0.5370	0.00820	0.3948	-1.5126 0.5383	0.5377	0.0214	0.00172	-0.00121	0.00575	-0.00531 0.00605	-0.0200	-
778	52.0000	45.2000	66.7000	2.1000	2016.0	1.0000	-0.7293	-0.9236	0.00479	-0.7318	-0.9267	-0.9255	0.0478	-0.00172	-0.00121	0.00373	0.00003	-0.0140	\vdash
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	0.0360	-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	0.00999	-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	-
784 785	59.0000 64.0000	44.2000	79.4000 77.0000	4.7000 2.8000	2001.0 1991.0	1.0000	0.5777 -1.5753	0.7589 -1.5796	0.00558	0.5793 -1.5781	0.7610 -1.5824	0.7601 -1.5824	-0.0533	-0.0130 -0.00660	-0.00513 0.0305	-0.0341	-0.0294	-0.00648 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	0.000765	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	-
793 794	55.0000 54.0000	38.1000 46.0000	70.0000 68.9000	1.1000 2.8000	1995.0 1991.0	1.0000 2.0000	-0.8936 0.6309	-1.0835 0.8186	0.00390	-0.8953 0.6328	-1.0856 0.8211	-1.0849 0.8201	-0.0109 0.0117	-0.00682 -0.00690	0.0212	0.0111	-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 77.0000	44.2000 54.6000	92.6000	1.0000 2.6000	1986.0 1982.0	1.0000	0.6178	0.8041	0.0109	0.6212 0.4774	0.8085 0.6410	0.8067	0.0292	-0.00694 0.0179	0.0181	-0.0500 -0.0106	-0.0121 -0.0130	-0.0313 -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 40.0000	46.0000 51.4000	71.1000 68.4000	1.8000 0.4000	1985.0 1993.0	1.0000	-1.7763 1.2478	-1.6878 1.3703	0.00516	-1.7809 1.2548	-1.6922 1.3780	-1.6927 1.3767	-0.0619 0.00902	-0.0646 -0.0334	-0.0309 0.0945	-0.00106 0.00546	0.0465 -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	0.00902	0.00877	-0.00129	0.00546	0.00817	-0.0110	
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	-0.0132	
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	-0.00729	-0.0117	-0.00723	
813	37.0000	36.5000	85.7000	0.9000	2009.0	1.0000	-0.6438	-0.8328	0.00768	-0.6463	-0.8360	-0.8347	0.0145	0.0258	0.00927	-0.0281	0.00637	-0.0146	
814	61.0000	37.6000	65.6000	1.8000	1996.0	1.0000	-0.9818	-1.1619	0.00462	-0.9841	-1.1646	-1.1638	-0.00868	-0.0204	0.0373	0.0312	0.0102	0.00586	_
815	34.0000	42.7000	59.6000	3.3000	2017.0	1.0000	-0.5496	-0.7265	0.00841	-0.5519	-0.7296	-0.7283	0.0273	0.0236	0.00558	0.0193	-0.0117	-0.0289	-
816 817	57.0000 35.0000	45.6000 38.4000	83.8000 72.4000	4.4000 0.8000	2007.0	1.0000	-0.4879	0.8145	0.00672	0.6293 -0.4892	0.8173 -0.6553	0.8161	-0.00610 0.0190	-0.0164 0.0132	0.00466	0.0324	0.0300	-0.0197	-
817	52.0000	53.4000	59.7000	4.1000	2013.0	1.0000	-1.0668	-0.6535 -1.2328	0.00520	-1.0719	-1.2387	-0.6545 -1.2372	0.0190	0.0132	-0.0551	0.00195	-0.0109	-0.0197	\vdash
819	72.0000	40.7000	75.2000	2.3000	2006.0	1.0000	0.7859	0.9807	0.00428	0.7875	0.9828	0.9821	-0.0212	0.0313	-0.00905	-0.00078	-0.0122	0.0215	
820	53.0000	41.2000	68.3000	1.1000	1981.0	1.0000	0.8958	1.0855	0.00708	0.8990	1.0894	1.0881	0.0560	-0.00405	-0.00717	-0.00381	-0.0164	-0.0548	
821	73.0000	40.7000	71.4000	2.0000	2013.0	2.0000	0.7838	0.9787	0.0142	0.7894	0.9857	0.9832	-0.0540	0.0444	-0.00889	-0.0146	-0.0361	0.0536	
822	44.0000	46.2000	56.1000	1.3000	2007.0	1.0000	1.7086	1.6528	0.00702	1.7146	1.6587	1.6591	-0.0653	-0.00924	0.0404	-0.0885	-0.0692	0.0686	-
823	66.0000	40.6000	70.6000	1.3000	2011.0	2.0000	0.9376	1.1232	0.0144	0.9445	1.1314	1.1289	-0.0614	0.0437	-0.00532	-0.0189	-0.0566	0.0610	-
824 825	46.0000 55.0000	50.8000	75.0000 70.7000	2.6000 3.2000	2012.0	1.0000	1.0716 -1.1515	1.2366 -1.2993	0.00859	1.0762 -1.1573	1.2420 -1.3059	1.2407 -1.3045	-0.0516 0.0615	-0.0319 0.0104	-0.0882	-0.00908	-0.0143 0.0179	-0.0587	-
																			-
826	18.0000	37.2000	60.0000	1.1000	2010.0	1.0000	-0.3349	-0.4611	0.00525	-0.3358	-0.4623	-0.4618	0.00707	0.0147	0.00581	0.00855	0.00116	-0.00802	-
827 828	82.0000 81.0000	47.6000 41.0000	74.9000 73.0000	4.6000 4.1000	1996.0 2016.0	2.0000	0.3143 -1.8548	-1.7267	0.00365	0.3149 -1.8654	-1.7365	0.4345 -1.7380	0.000795	-0.0891	0.000980	0.00404	0.00396 -0.00959	-0.00132 -0.1080	-
829	60.0000	36.7000	50.9000	1.6000	1985.0	1.0000	-0.8965	-1.7267	0.0113	-0.9027	-1.7305	-1.0912	-0.0380	-0.0891	0.0506	0.0755	0.0116	0.0330	
830	75.0000	42.3000	73.2000	0.8000	1993.0	1.0000	-1.3537	-1.4430	0.00697	-1.3584	-1.4481	-1.4475	-0.00987	-0.0765	-0.0116	0.00841	0.0750	0.0103	
831	54.0000	40.4000	31.3000	1.9000	1983.0	1.0000	1.4376	1.4970	0.0252	1.4561	1.5163	1.5148	0.0542	0.0332	-0.0647	-0.2082	-0.0249	-0.0434	

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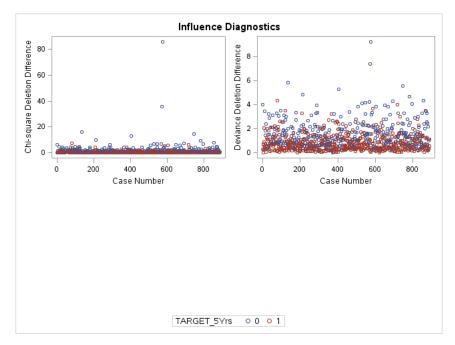
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832	75.0000	55.7000	70.8000	4.0000	1996.0	2.0000	0.3551	0.4874	0.00523	0.3560	0.4886	0.4880	-0.00160	0.00672	0.0150	0.00390	-0.00272	0.000560	
833	80.0000	52.1000	64.1000	3.2000	2016.0	1.0000	0.7208	0.9148	0.0131	0.7256	0.9209	0.9186	-0.0556	0.0454	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	34.0000	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	74.5000	1.3000	1980.0	1.0000	0.9967	1.1746	0.0124	1.0024	1.1813	1.1795	0.0813	-0.0382	-0.0453	0.0213	0.0214	-0.0792	_
853	60.0000	43.3000	56.0000	3.0000	2011.0	2.0000	0.9829	1.1628	0.0113	0.9897	1.1708	1.1685	-0.0615	0.0248	-0.0433	-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	0.00329	-0.5914	-0.7750	-0.7735	0.0254	0.0299	0.00799	-0.0257	-0.00293	-0.0256	
857	77.0000	51.9000	66.2000	8.6000	1986.0	2.0000	0.1827	0.2562	0.00933	0.1830	0.2567	0.2565	0.0254	-0.00089	-0.00100	0.00141	0.00293	-0.0230	
858	70.0000	43.9000	70.7000	2.1000	1991.0	1.0000	-1.5133	-1.5433	0.00383	-1.5159	-1.5460	-1.5459	-0.0323	-0.00069	-0.00100	0.00141	0.00890	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	-0.00029	-0.00839	0.0231	-0.00977	
860	78.0000	43.0000	84.7000		2006.0						0.7693	0.7686	-0.00225	0.00551	-0.00566				
				5.1000	1988.0	1.0000	0.4182	0.5678	0.00539	0.4194						0.0147	0.0186	0.00181	
861	79.0000 77.0000	39.0000 42.9000	78.4000 66.0000	1.7000	1990.0	1.0000	0.5545 -1.3141	0.7322 -1.4164	0.00585	0.5561	0.7344	-1.4222	-0.0163	0.0252	-0.0106 -0.0102	0.00737	-0.00887 0.0841	-0.0177 0.0155	
				0.7000						-1.3203	-1.4232			-0.0891				******	
863 864	23.0000	36.7000	45.0000 77.3000	2.0000	1983.0 2011.0	2.0000 1.0000	-0.6149 0.6452	-0.8008 0.8344	0.0207	-0.6213 0.6475	-0.8092	-0.8058	-0.0296 -0.0243	0.0373	0.0363 -0.0171	0.0435	-0.0106	0.0264	
	81.0000			3.3000					0.00682		0.8372	0.8361		0.0327		0.000878	0.00340		
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	
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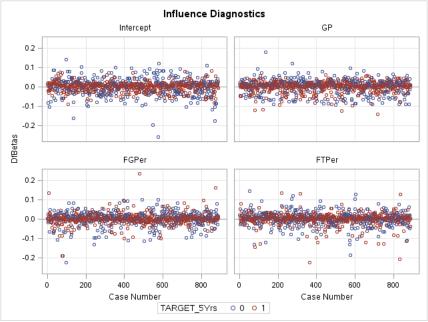
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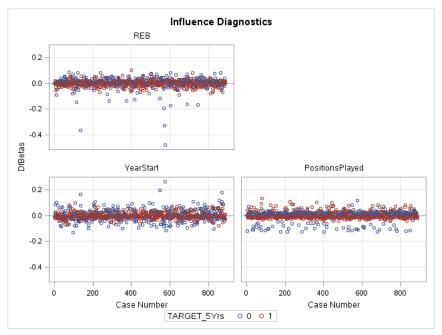


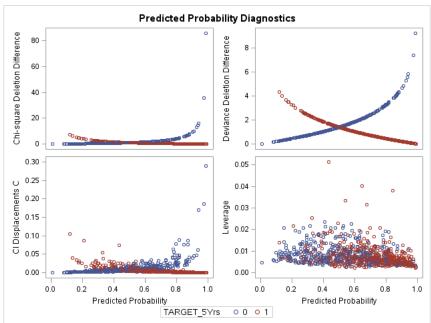
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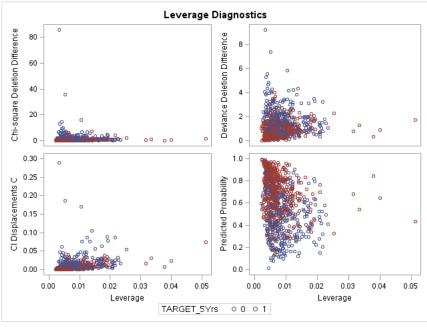


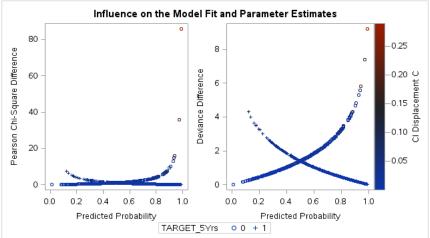
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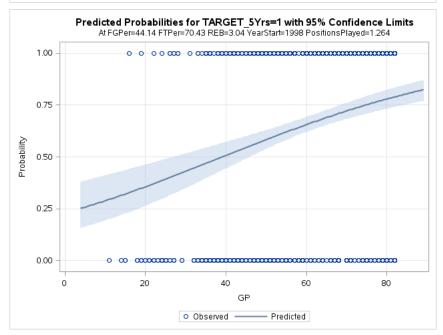




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