

다중회귀_0814

2022-08-14

```
library(MASS)
library(AER)
```

```
## 필요한 패키지를 로딩중입니다: car
```

```
## 필요한 패키지를 로딩중입니다: carData
```

```
## 필요한 패키지를 로딩중입니다: lmtest
```

```
## 필요한 패키지를 로딩중입니다: zoo
```

```
##
## 다음의 패키지를 부착합니다: 'zoo'
```

```
## The following objects are masked from 'package:base':
##
##      as.Date, as.Date.numeric
```

```
## 필요한 패키지를 로딩중입니다: sandwich
```

```
## 필요한 패키지를 로딩중입니다: survival
```

```
train = read.csv("C:\\Users\\user\\Desktop\\HUFStudy (비교과)\\신용등급_R\\train1.csv")
str(train)
```

```
## 'data.frame':    100000 obs. of  38 variables:
## $ X                : int  1 2 3 4 5 6 7 8 9 10 ...
## $ ID               : int  5634 5635 5636 5637 5638 5639 5640 5641 5646 5647 ...
## $ Customer_ID      : chr   "CUS_0xd40" "CUS_0xd40" "CUS_0xd40" "CUS_0xd40" ...
## $ Month            : int  1 2 3 4 5 6 7 8 1 2 ...
## $ Name             : chr   "Aaron Maashoh" "Aaron Maashoh" "Aaron Maashoh" "Aaron Maashoh" ...
## $ Age              : int  23 23 23 23 23 23 23 23 28 28 ...
## $ SSN              : chr   "821-00-0265" "821-00-0265" "821-00-0265" "821-00-0265" ...
## $ Occupation       : chr   "Scientist" "Scientist" "Scientist" "Scientist" ...
## $ Annual_Income     : chr   "19114.12" "19114.12" "19114.12" "19114.12" ...
## $ Monthly_Inhand_Salary : num  1825 1825 1825 1825 1825 ...
## $ Num_Bank_Accounts : int  3 3 3 3 3 3 3 3 2 2 ...
## $ Num_Credit_Card   : int  4 4 4 4 4 4 4 4 4 4 ...
## $ Interest_Rate     : int  3 3 3 3 3 3 3 3 6 6 ...
## $ Num_of_Loan       : int  4 4 4 4 4 4 4 4 1 1 ...
## $ Type_of_Loan      : chr   "Auto Loan, Credit-BUILDER Loan, Personal Loan, and Home E
quity Loan" "Auto Loan, Credit-BUILDER Loan, Personal Loan, and Home Equity Loan" "Auto Loan, C
redit-BUILDER Loan, Personal Loan, and Home Equity Loan" "Auto Loan, Credit-BUILDER Loan, Perso
nal Loan, and Home Equity Loan" ...
## $ Delay_from_due_date : int  3 -1 3 5 6 8 3 3 3 7 ...
## $ Num_of_Delayed_Payment : num  7 6.5 7 4 6.5 4 8 6 4 1 ...
## $ Changed_Credit_Limit : num  11.27 11.27 10.27 6.27 11.27 ...
## $ Num_Credit_Inquiries : num  4 4 4 4 4 4 4 4 2 2 ...
## $ Credit_Mix        : chr   "" "Good" "Good" "Good" ...
## $ Outstanding_Debt   : num  810 810 810 810 810 ...
## $ Credit_Utilization_Ratio: num  26.8 31.9 28.6 31.4 24.8 ...
## $ Credit_History_Age : int  265 266 267 268 269 270 271 272 319 320 ...
## $ Payment_of_Min_Amount : chr   "No" "No" "No" "No" ...
## $ Total_EMI_per_month : num  49.6 49.6 49.6 49.6 49.6 ...
## $ Amount_invested_monthly : num  80.4 118.3 81.7 199.5 41.4 ...
## $ Payment_Behaviour  : chr   "High_spent_Small_value_payments" "Low_spent_Large_value_p
ayments" "Low_spent_Medium_value_payments" "Low_spent_Small_value_payments" ...
## $ Monthly_Balance    : num  312 285 331 223 341 ...
## $ Credit_Score       : chr   "Good" "Good" "Good" "Good" ...
## $ AutoLoan           : int  1 1 1 1 1 1 1 1 0 0 ...
## $ CreditBuilderLoan  : int  1 1 1 1 1 1 1 1 1 1 ...
## $ PersonalLoan       : int  1 1 1 1 1 1 1 1 0 0 ...
## $ HomeEquityLoan     : int  1 1 1 1 1 1 1 1 0 0 ...
## $ NotSpecified       : int  0 0 0 0 0 0 0 0 0 0 ...
## $ MortgageLoan       : int  0 0 0 0 0 0 0 0 0 0 ...
## $ StudentLoan        : int  0 0 0 0 0 0 0 0 0 0 ...
## $ DebtConsolidationLoan : int  0 0 0 0 0 0 0 0 0 0 ...
## $ PaydayLoan         : int  0 0 0 0 0 0 0 0 0 0 ...
```

```
train$Annual_Income <- as.numeric(gsub("_", "", train$Annual_Income))
unique(train$Annual_Income)
```

##	[1]	19114.120	34847.840	143162.640	30689.890	35547.710
##	[6]	73928.460	131313.400	10909427.000	34081.380	114838.410
##	[11]	31370.800	33751.270	88640.240	54392.160	8701.545
##	[16]	25546.260	31993.780	92047.080	32284.620	97791.420
##	[21]	19300.340	19514.880	10183.015	106733.130	12600.445
##	[26]	57983.120	20787.690	34290.120	43070.240	28572.390
##	[31]	6515990.000	39641.540	20186.020	586359.000	18627.640
##	[36]	12986.745	58317.000	42171.980	71681.400	29469.980
##	[41]	72559.360	15566.020	66567.320	12909.895	30788.440
##	[46]	20574.470	148699.320	85554.030	55829.790	18334118.000
##	[51]	19717385.000	14165.230	87215.680	2709655.000	81842.280
##	[56]	95956.500	49967.010	39887.220	14129.760	2592822.000
##	[61]	123732.320	17251.380	36822.290	80108.310	69977.600
##	[66]	78988.480	41746.760	19981.600	73737.360	88362.460
##	[71]	118248.600	60162.100	75273.240	54820.890	58674.660
##	[76]	30390.440	45207.540	144546.720	19257912.000	30346.350
##	[81]	18681.465	9841.340	72330.980	43241.490	22335783.000
##	[86]	34106.780	129067.590	16367214.000	17001.340	44719.170
##	[91]	17787.340	103353.060	31021.240	134978.240	39800.120
##	[96]	14841.350	66105.400	15398.950	27070.070	17992.775
##	[101]	139354.480	18305.250	27865.260	23404.860	14205.090
##	[106]	62320.560	43758.340	144881.680	108147.300	17759.100
##	[111]	85328.730	134321.440	61008.000	28665.760	56803.710
##	[116]	38364.820	66528.240	19403.405	8908998.000	31122.790
##	[121]	15015.400	19777.050	20188.020	9351702.000	41345.580
##	[126]	55151.040	30536.620	2547968.000	147499.600	20005.220
##	[131]	19795.520	60938.130	80396.860	57610.320	18717.020
##	[136]	19163.220	94554.870	63536.980	9983.345	27796.420
##	[141]	132872.720	140014.360	37071.200	41735.550	40391.660
##	[146]	7441.295	19065.320	24585.550	15013.730	126006.680
##	[151]	102885.320	34212.010	118487.160	77418.520	24199.240
##	[156]	28587.290	16578.115	74647.400	34766.060	16852.635
##	[161]	33502.100	91690.530	30502.540	30272.610	59971.420
##	[166]	42220.390	43581.130	28681.380	35376.320	15488.885
##	[171]	15560525.000	19853.350	115643.010	7512.225	35161.460
##	[176]	9133.045	19283.470	66502.760	9444.795	70112.780
##	[181]	15604.560	68935.260	31807.000	10025.200	64036.880
##	[186]	9783.245	86522.720	124419.660	15606.515	28230.920
##	[191]	10623.765	11970.955	112362.760	33335.240	131577.840
##	[196]	32314.440	61235.600	4282515.000	19078.930	83703.520
##	[201]	99127.040	10405.010	135895.960	29608.460	29999.940
##	[206]	52972.500	113781.390	15746.630	97961.960	16174808.000
##	[211]	31895.070	30922.280	25530.330	110786.640	39696.980
##	[216]	120366.600	13074.395	76087.680	51824.940	11431.775
##	[221]	14224.655	142170.120	19951.765	94454.100	27063.430
##	[226]	36980.100	96582.240	122978.430	7821.240	30972.540
##	[231]	21246612.000	7709.625	34547.540	173196.320	20354.850
##	[236]	14089102.000	46113.810	8882.470	34128.920	29042.450
##	[241]	26716.090	74733.440	8681.770	10034.550	20540.490
##	[246]	38175.390	116594.910	24894.050	39399.900	142113.960
##	[251]	65299.380	33200.520	82289.360	873048.000	7792.475
##	[256]	65778.220	12016.000	19180.870	60552.760	44386.470
##	[261]	9141.630	11245.110	98197.740	30197.280	31633.540
##	[266]	118172.640	19623.180	63197.260	10007.815	121688.040
##	[271]	31069.320	72241.020	7612.725	16953.985	125508.360

##	[276]	7495.305	35133.490	16866.500	18969.190	36154.190
##	[281]	51113.850	51113.850	18784.880	12311582.000	49889.380
##	[286]	29233.340	28922.030	20742.460	55719.180	55558.710
##	[291]	33447.420	34841.870	17655.430	7103.035	63101.140
##	[296]	33453.080	83845.700	108415.000	32663.410	132537.240
##	[301]	17850.560	15713.830	62050.890	18744.400	12070.845
##	[306]	38539.570	48411.240	47275.960	30232.280	22409880.000
##	[311]	33314.960	7599.035	97640.400	75881.160	36490.980
##	[316]	30743.600	177150.400	110264.000	32128.240	151722.560
##	[321]	62316.630	19310.620	94511.790	96275.840	57219.920
##	[326]	80591.200	73434.920	53916.840	53071.470	69692.160
##	[331]	15735.680	20502.640	55662.640	19758.840	55000.620
##	[336]	10352.745	50811.270	59448.040	18549.280	5444147.000
##	[341]	134810.130	162550.320	102596.640	102596.640	14884.465
##	[346]	31732.610	50847.220	9349.475	135115.440	66169.560
##	[351]	56760.510	108223.620	53098.470	17853.500	16813.540
##	[356]	68665.760	22500.520	15305.460	15544.470	99089.520
##	[361]	9374962.000	9307.240	134316.200	38685.980	69933.980
##	[366]	21075.360	60843.330	15091.030	54987.520	7506.125
##	[371]	17448.080	42241.190	31087.660	132414.160	92794.040
##	[376]	82998.240	16582.830	11993705.000	31896.420	34927.000
##	[381]	25020.070	82778.560	94052.220	16355.710	15119.560
##	[386]	20639.790	18472.710	42731.270	82700.320	11968.510
##	[391]	33386.250	67614.240	174304.040	68742.750	13019734.000
##	[396]	15932.725	16729446.000	55583.670	72252.360	30399.060
##	[401]	8365.075	7170493.000	133410.660	19167.040	28169.070
##	[406]	12613.560	3961526.000	29625.820	62223.060	14976.450
##	[411]	82454.000	62874.960	23181767.000	17164.720	37302.100
##	[416]	7526.205	19653.005	174179.640	41543.640	21723268.000
##	[421]	9582.775	21720.955	38107.360	85423.160	20308.260
##	[426]	60889.080	13603.410	12943.475	44483.640	7795.540
##	[431]	177243.920	35518.980	8875.135	16708.070	81395.440
##	[436]	48780.560	141753.720	48608.780	63206.720	63635.120
##	[441]	126849.180	8779.145	14416399.000	16154.800	11631.405
##	[446]	24726.480	3950629.000	44188.500	13065.870	49447.740
##	[451]	42941.850	42941.850	37824.650	66732.580	61463.940
##	[456]	115800.540	88133.160	27632.920	21846.060	22579073.000
##	[461]	8610.765	49023.220	104564.640	59751.780	20978.490
##	[466]	118644.360	30029.590	81557.000	63331.900	24069.550
##	[471]	15762.720	122713.600	41499.210	82840.240	24195.370
##	[476]	78139.420	20441835.000	7106.150	20193.590	62545.590
##	[481]	32011.890	42399.030	23679.610	62139.510	62846.310
##	[486]	18737308.000	59438.910	69870.880	16521766.000	76257.520
##	[491]	74450.880	146866.760	20914.440	18936.550	61476.930
##	[496]	16198.305	20938.030	21364.200	96826.960	16808.350
##	[501]	22429497.000	59930.040	128279.160	53908.410	16718.080
##	[506]	83355.330	19870800.000	11646.190	69577.920	25621.010
##	[511]	55324.290	42947.490	49023.600	49023.600	60263.430
##	[516]	44036.970	12681.450	7822458.000	16568.425	14952.030
##	[521]	101500.920	155726.760	36591.250	47280.760	108161.700
##	[526]	19910.510	41977.780	11731.585	88406.340	36035.320
##	[531]	113383.140	113383.140	51552.600	51552.600	39579.600
##	[536]	41342.860	120260.200	36346.130	25399.680	51307.100
##	[541]	18578.880	68332.080	12303.090	35118.100	64057.720
##	[546]	44390.760	37807.280	59154.040	41155.220	15610.610
##	[551]	35670.660	28128.160	48144.780	32178.740	17445.150

##	[556]	20522.130	61654.840	20703.480	8022.255	36717.630
##	[561]	35469.070	19519.570	35926.760	134150.000	34204.800
##	[566]	56131.480	57439.120	39944.670	32485.420	70286.600
##	[571]	16808.320	72116.250	35823.960	140390.320	25198.190
##	[576]	5965773.000	166907.720	15531.090	81935.420	14675.830
##	[581]	9197.370	20492.450	27242.800	81411.200	18503.850
##	[586]	105521.580	17855.940	78477.180	32901.790	73031.580
##	[591]	35235.180	66881.200	14535.105	10119.760	19787.400
##	[596]	16893.440	21791.905	77854.260	99802.480	108491.280
##	[601]	14021.570	76391.480	13187253.000	13486.615	19418092.000
##	[606]	34800.960	15154025.000	35603.800	32414.260	34601.350
##	[611]	99007.680	60572.700	14208.865	35836.840	20083.060
##	[616]	26150.380	14144.480	122008.590	11956.285	19869959.000
##	[621]	20949.580	18096.155	37788.300	120955.920	27983.070
##	[626]	56987.920	50552.340	16838.820	90592.020	29695.580
##	[631]	85667.700	83386.520	16328744.000	10299.565	73871.920
##	[636]	29353.040	43700.610	16471.350	65187.340	29661.640
##	[641]	1914271.000	101912.130	65454.420	20397.260	38760.820
##	[646]	37131.020	140254.280	21484.035	17750.190	21145.595
##	[651]	125491.640	36722.840	15687.440	7304.925	18921.780
##	[656]	122942.280	42021.700	85915.320	142177.840	27814.630
##	[661]	49995.180	49995.180	34480.200	10810032.000	130688.560
##	[666]	15656.820	30118.940	17975.320	20871.420	30257.020
##	[671]	28406.160	99565.360	18507.720	18196353.000	58698.080
##	[676]	31461.840	71677.590	17856.720	44080.040	77519.040
##	[681]	29281.940	101954.940	87932.960	31557.730	128390.840
##	[686]	61887.200	10320.670	32594.760	61669.470	34514.510
##	[691]	85589.680	21053.370	14542.100	111896.160	7064.385
##	[696]	72588.990	60585.080	52949.070	15444.740	28446.580
##	[701]	16532.330	17032.785	30261.670	35853.560	12468845.000
##	[706]	52979.400	58637.340	18937742.000	53106.540	73085.960
##	[711]	32029.980	71424.570	71424.570	12985.715	41821.270
##	[716]	12083640.000	60116.700	96562.800	18721.300	31633.940
##	[721]	173968.960	33928.380	123847.040	34447.490	83483.960
##	[726]	9754.750	50173.540	15627.720	97575.900	64397.880
##	[731]	23952.070	105565.650	145934.160	68171.550	9599.265
##	[736]	61796.920	20133.610	8406.375	71368.600	100914.390
##	[741]	99903.360	119827.080	39232.160	19590.310	4108880.000
##	[746]	83503.120	143372.680	131617.400	15054.470	18268.610
##	[751]	142152.480	20138.945	144468.720	41086.400	41507.120
##	[756]	58942.600	121719.000	33815.650	42769.780	20474.270
##	[761]	38894.060	72140.070	11866.345	83359.080	44747.540
##	[766]	3031039.000	102630.000	12962224.000	52595.460	101462.640
##	[771]	77930.280	15688.250	56510.800	42048.240	136680.120
##	[776]	9339.455	108172.290	97003.110	18873.200	38491.940
##	[781]	75044.980	11162.020	19934.080	65912.380	15399.520
##	[786]	66174.840	9597.790	34428.210	15479.340	19942.040
##	[791]	7912.495	22488.625	75650.040	54994.770	59908.680
##	[796]	22250.525	86189.580	19848.365	99902.370	15081.120
##	[801]	165002.400	30776.800	20513.230	7046.500	28087.160
##	[806]	99990.780	43504.070	28110.860	21546.930	4866540.000
##	[811]	17993.400	63856.480	73747.580	19328.710	42435.630
##	[816]	16564.890	7985.155	81903.800	92041.020	40514.840
##	[821]	60841.980	12660.160	46066.060	97515.780	69847.440
##	[826]	124033.960	88778.400	36901.310	30594.510	79837.020
##	[831]	82093.520	38073.600	9889.575	29840.220	16194440.000

##	[836]	28836.920	110575.720	146351.360	25877.950	86290.140
##	[841]	29044.290	30783.880	18759.610	4262933.000	20651.430
##	[846]	81497.120	35205.240	121948.800	82065.160	39564.520
##	[851]	86468.680	124052.220	45421.380	20821.800	13826843.000
##	[856]	48212.800	42888.450	59304.080	58865.880	16192.100
##	[861]	84031.020	46092.270	69197.780	70741.040	20414.370
##	[866]	111395.610	118879.680	29344.530	17770.480	39460.010
##	[871]	15989.085	54481.560	42776.510	36716.180	61719.900
##	[876]	14293.110	39005.960	29143.880	34266.080	46243.560
##	[881]	84880.650	77257.640	8227.855	46264.710	28942.300
##	[886]	20758.370	14303.125	43307.120	45002.480	9158.030
##	[891]	69941.880	47178.460	42772.490	16716.530	51333.990
##	[896]	51333.990	30450.840	41812.320	22116.640	34668.590
##	[901]	48181.110	33284.760	106543.350	116687.920	17450.000
##	[906]	7006.520	59237.960	35208.900	64493.460	17654.720
##	[911]	127921.840	120789.440	17756105.000	44034.820	15048753.000
##	[916]	34425.620	34336.930	131890.950	9737.955	149616.120
##	[921]	69699.660	59044.740	59044.740	10041990.000	33077.820
##	[926]	88331.640	40206.260	20460.960	62835.080	14628.590
##	[931]	16138.980	34861.120	53872.340	22530.690	11750262.000
##	[936]	27311.970	19997.480	65234.240	68173.920	75672.080
##	[941]	16579.300	22632571.000	62956.560	123511.280	16646.260
##	[946]	36496.380	9594534.000	146598.880	9542.280	29369.120
##	[951]	149168.880	58267.500	118047.920	63353.680	11364.870
##	[956]	40375.780	10277.330	10366883.000	31305.260	130793.120
##	[961]	20059.775	9387.130	5524914.000	35873.360	165774.560
##	[966]	19212.790	16322.120	62932.480	72322.520	139538.320
##	[971]	10252920.000	45238.040	133377.210	17791.550	41655.160
##	[976]	20380.865	36753.320	75602.280	41113.350	80362.350
##	[981]	32107.520	68056.560	40580.240	14080.810	48428.100
##	[986]	48428.100	49250.730	42384.080	8086.580	49178.480
##	[991]	9009.775	89388.720	39471.980	49598.670	15322.450
##	[996]	53367.480	26217.460	63501.720	87481.620	29097.820
##	[1001]	71809.760	20066.600	18137.250	35346.690	148990.160
##	[1006]	9735.115	16220279.000	148786.040	58940.760	37983.120
##	[1011]	8312.495	120348.800	77936.010	177887.800	20677.000
##	[1016]	63093.320	127491.480	35322.240	40327.220	99480.440
##	[1021]	34773.310	31741.570	17273.830	101723.520	15868.970
##	[1026]	25506.530	18843.620	31700.080	71223.920	85875.800
##	[1031]	25795.970	2351135.000	87957.020	33063.590	14480.210
##	[1036]	84660.740	77335.860	23613.430	15325.730	8527702.000
##	[1041]	68110.830	16053.860	169141.600	42870.210	128189.370
##	[1046]	58537.380	15323540.000	24667.160	62757.120	9767.320
##	[1051]	14292.960	8571.290	20739.750	53181.210	89239.350
##	[1056]	98962.770	33082.870	10030.520	15823.870	24188807.000
##	[1061]	63149.200	34680.440	23195.180	68375.370	115827.920
##	[1066]	12025.840	14439.410	20516.180	15590.680	103968.390
##	[1071]	103968.390	1034126.000	65934.220	76046.250	17602.930
##	[1076]	70779.180	20373.240	20377.700	35064.500	49441.620
##	[1081]	73842.330	36151.310	20081.520	110721.660	8092590.000
##	[1086]	35724.370	18793.340	27156.590	14851.270	3544929.000
##	[1091]	14276.640	56643.040	64249.440	15680.000	34153.670
##	[1096]	23775314.000	16599.370	158757.880	86446.440	76113.090
##	[1101]	9786.860	17028.310	33835.160	15968.140	74499.600
##	[1106]	170131.240	15359.330	16154.250	28050.200	98887.410
##	[1111]	8879.570	51200.460	85720.480	28315.740	91642.400

##	[1116]	7109.175	65793.660	8317.345	43655.040	14962.350
##	[1121]	1354835.000	101977.440	102080.460	16497.780	3162384.000
##	[1126]	107275.710	14926531.000	24018.710	107458.200	32900.500
##	[1131]	17161.570	40198.960	39242.580	31645.660	92428.830
##	[1136]	41925.320	132861.600	107451.030	91717.320	12723.325
##	[1141]	12062.270	79367.940	84374.120	18884777.000	103049.460
##	[1146]	32218.680	22032.740	19514.520	87070.000	27347.900
##	[1151]	47899.860	40492.580	20334.430	33409.330	15551.600
##	[1156]	88220.120	138142.160	56714.520	100058.190	86676.390
##	[1161]	26281.030	14407.920	22332.290	15964.310	43452.150
##	[1166]	42018.210	5718786.000	86763.160	29901.970	36963.520
##	[1171]	18235.610	55916.520	45139.080	9589.545	16644.370
##	[1176]	108337.320	29365.120	64613.320	163380.760	179948.840
##	[1181]	31323.880	7476.300	18407.680	19620.300	30081.370
##	[1186]	50043.270	16848804.000	18957.370	132473.040	104708.790
##	[1191]	33616.730	19267.170	123306.120	7981.345	22299600.000
##	[1196]	10987.935	49233.000	2515109.000	57765.420	10137006.000
##	[1201]	14041046.000	147221.480	31736.140	105997.470	46563.270
##	[1206]	91308.160	30020.140	74268.200	86092.120	15952.790
##	[1211]	78999.960	34107.420	44360.460	25138.620	38149.090
##	[1216]	55229.640	57786.180	98917.230	15803.960	13050.620
##	[1221]	40602.720	56370.980	17727.930	64720.900	19549.470
##	[1226]	63876.280	27269.100	20871.240	70099.040	97505.640
##	[1231]	9734.325	35554.040	14506463.000	79772.040	22416.225
##	[1236]	63658.260	74820.120	29462.180	118111.080	10132.985
##	[1241]	53530.530	8918.130	129903.880	9136633.000	54275.880
##	[1246]	125047.240	45403.100	15724911.000	8545.260	20513375.000
##	[1251]	23385723.000	32017.750	110064.330	78290.360	83330.320
##	[1256]	8422.385	21367283.000	60781.480	11855.820	76208.520
##	[1261]	23088.350	60417.680	33978.570	116721.180	9546.425
##	[1266]	21324.515	35952.450	7775.330	16803.610	78390.960
##	[1271]	9494942.000	80485.760	131235.750	57827.100	26340.100
##	[1276]	56604.960	37442.050	177907.720	143741.200	31911.340
##	[1281]	78186.560	46640.820	96910.480	20790.085	21524.210
##	[1286]	88481.160	18244.440	95999.440	42052.740	32012.400
##	[1291]	102412.350	68988.680	69869.920	15707.850	41176.490
##	[1296]	8631.040	18094.550	16163744.000	55907.520	84114.480
##	[1301]	8155.790	138722.360	49417.520	29880.290	70218.360
##	[1306]	38694.660	32985.870	7493.335	81471.960	84074.880
##	[1311]	81427.020	34956.580	15294387.000	21039.960	82402.340
##	[1316]	19633.990	70978.440	17577.760	82623.000	41070.530
##	[1321]	72207.520	82196.310	14722.080	33720.510	81091.760
##	[1326]	16454.750	72125.200	31754.270	16341.075	32881.920
##	[1331]	46850.700	64118.720	7944.180	88983.520	19199.490
##	[1336]	64560.520	80892.920	34019.260	9345.955	21302.970
##	[1341]	9211.980	14501.970	8961.865	11703.605	151085.880
##	[1346]	97059.000	17122.370	61664.000	10062.445	56157.030
##	[1351]	71305.220	43742.010	4644430.000	28840.800	140919.040
##	[1356]	65448.140	100716.360	16603.430	20261.850	38577.600
##	[1361]	33882.600	4116141.000	30909.930	14782354.000	20380.410
##	[1366]	162144.640	35952.250	21964.790	44941.950	62862.690
##	[1371]	66749.640	29404.310	20060.230	53894.120	20915.420
##	[1376]	12332.855	18002.675	85926.780	22155905.000	20051.920
##	[1381]	148841.560	69374.780	145917.880	20145.525	18444.260
##	[1386]	39337.450	17145.070	98759.910	88688.940	81268.800
##	[1391]	19708.860	56175.120	37404.670	30363.730	101583.480

##	[1396]	19415.890	48121.320	57196.560	62719.360	67242.560
##	[1401]	143252.760	41896.880	15833.870	62115.810	136900.400
##	[1406]	16474.845	13904967.000	66516.320	20030875.000	85471.890
##	[1411]	11820154.000	8557.390	8294.385	17372.480	43782.450
##	[1416]	14896.980	79741.880	16216.795	17638.365	60071.070
##	[1421]	16538.390	34627.860	60520.950	59086.620	14646.960
##	[1426]	26282.470	14790.965	71212.160	39094.340	104917.740
##	[1431]	57296.460	42710.620	17612.175	33177.950	73355.380
##	[1436]	31936.050	14647.905	79548.320	7415.080	19725.700
##	[1441]	82999.640	9648.220	15728.240	89757.460	88535.920
##	[1446]	69102.090	28193.380	21637.515	28910.450	20380.510
##	[1451]	43592.450	60122.680	20293.240	38060.680	77470.140
##	[1456]	39883.460	36690.320	27653.790	17458.440	21450.720
##	[1461]	10361.920	7679376.000	14130.645	32729.970	31170.530
##	[1466]	59759.680	15838.800	28253.720	22378557.000	122322.000
##	[1471]	32012.650	18204954.000	83457.760	15712.650	7617.915
##	[1476]	50739.270	14161.865	15285.495	36681.480	20297.910
##	[1481]	28840.470	94216.140	81425.240	101296.710	33395.890
##	[1486]	20785.005	7174.990	22318.490	110143.650	118062.200
##	[1491]	7012.310	89424.900	10341.680	19213.810	61319.370
##	[1496]	144901.760	47958.760	35417.250	109110.570	67951.650
##	[1501]	22931.660	88620.140	18205.450	12025.045	71461.600
##	[1506]	89666.880	67917.440	15669.600	83675.560	9669945.000
##	[1511]	16558.120	6573809.000	83037.360	9029.700	73044.560
##	[1516]	17519.775	40406.180	95099.700	22410.530	105860.040
##	[1521]	133949.360	41160.860	27956.770	68197.720	4272990.000
##	[1526]	7499.935	145858.880	35417.270	69051.140	8214890.000
##	[1531]	111456.210	76353.400	19795.890	15652.990	13754.500
##	[1536]	116809.000	8949.695	87027.660	8180388.000	9592.415
##	[1541]	62636.070	62636.070	19858.970	58995.800	65430.000
##	[1546]	70014.480	29789.870	16523.745	30979.280	3917169.000
##	[1551]	105556.380	41983.290	21313.765	73376.940	20226.280
##	[1556]	39992.360	63030.880	17640292.000	54695.220	41415.520
##	[1561]	7304.055	23393201.000	36779.340	30404.400	60185.820
##	[1566]	90411.900	73095.760	77480.730	76300.920	91570.710
##	[1571]	44120.800	71695.680	18438.875	66681.800	20341.870
##	[1576]	10846098.000	29198.560	87636.030	17461.980	19170.450
##	[1581]	61600.830	35844.660	16069.440	21414.430	94934.940
##	[1586]	103755.870	20957082.000	16819.980	57588.900	61695.680
##	[1591]	8775585.000	137714.360	22251.840	78417.440	21882475.000
##	[1596]	9394.660	33878.150	57683.190	9110.175	43644.960
##	[1601]	73339.920	35260.690	64666.480	18924412.000	120450.320
##	[1606]	144037.080	47270.220	63761.190	60348.920	65714.320
##	[1611]	133394.480	128066.440	60182.700	102212.370	12241.570
##	[1616]	7403051.000	10418.045	41122.690	83075.640	81402.480
##	[1621]	79631.280	18827.290	68266.300	56343.800	118462.560
##	[1626]	30132.240	60788.820	17926.700	15781959.000	34081.780
##	[1631]	36993.430	14219.020	18231.520	119312.080	32148.760
##	[1636]	154242.480	83062.280	59477.000	173569.200	14924449.000
##	[1641]	140135.240	8856.750	51477.800	47634.450	14263.355
##	[1646]	43436.270	53218.860	16632.745	21454.720	52243.640
##	[1651]	123299.120	22375.640	42147.890	54842.580	22870.490
##	[1656]	52616.280	37116.660	140276.800	46175.490	69024.200
##	[1661]	14402.520	19832761.000	19653.610	39540.780	142737.360
##	[1666]	15827.060	14649.275	19703.090	17416.750	92201.250
##	[1671]	69707.310	7536373.000	135941.280	17166521.000	44913.340

##	[1676]	14455.150	24096975.000	64734.840	20468239.000	85953.880
##	[1681]	21755.790	90701.280	15201.005	132662.220	19553.805
##	[1686]	93847.860	96540.690	19567.000	106876.770	90668.850
##	[1691]	35221.430	14489.925	93561.720	127559.680	72617.550
##	[1696]	72617.550	87888.720	48053.610	17018.450	32276.420
##	[1701]	20000.410	42812.020	23743065.000	17620.615	66575.200
##	[1706]	45408.840	48755.500	159560.760	114201.560	133057.890
##	[1711]	20835.390	15624.680	4156013.000	32707.140	17030713.000
##	[1716]	50352.090	76223.580	73458.160	17550.110	99600.920
##	[1721]	13019.770	22694.460	20013.550	28187.350	20855.320
##	[1726]	131296.920	36964.080	29498.090	36943.980	15185.650
##	[1731]	61461.180	61461.180	26396.880	86775.400	101926.950
##	[1736]	96683.480	83079.720	10357.485	8958.715	30493.340
##	[1741]	85710.480	7379.345	38873.010	10094.050	15155.810
##	[1746]	16410.300	96148.050	18030837.000	60078.270	33900.040
##	[1751]	22244.250	15173.470	16364.675	134737.590	133931.610
##	[1756]	91117.720	98509.710	20099781.000	19939.920	16798.150
##	[1761]	34633.280	12281.035	32424.340	38684.200	61880.060
##	[1766]	60877.170	20060.930	34739.350	140794.600	20825.750
##	[1771]	24131.570	56614.200	61190.520	30587.680	14441.510
##	[1776]	95332.230	63839.460	8053.435	99425.400	31230.160
##	[1781]	128331.420	157698.520	10563.445	60532.500	43312.780
##	[1786]	19562.470	85324.440	133214.250	107392.740	55197.810
##	[1791]	14217.520	47873.600	17927.600	12155.275	69823.720
##	[1796]	67850.160	36237.510	8871.555	38868.120	67726.170
##	[1801]	69642.000	15021.480	17780.690	167492.800	2569167.000
##	[1806]	46092.750	176015.160	20591.200	68667.560	68845.080
##	[1811]	124814.040	131908.240	20001329.000	25701.690	4647209.000
##	[1816]	14520.690	14580.980	70939.340	44985.720	798587.000
##	[1821]	17206.610	59681.560	28163.570	8175.650	39314.020
##	[1826]	131693.370	65300.220	17770.795	73623.220	33645.240
##	[1831]	54167.610	8489.190	9408846.000	30922.500	15984.150
##	[1836]	16873.050	34297.900	38980.760	62845.760	59438.880
##	[1841]	1047986.000	29441.780	35263.440	44066.780	44164.800
##	[1846]	31227.620	97688.400	53265.960	22438.270	92949.780
##	[1851]	16684.910	37648.100	18260.430	39608.900	56285.440
##	[1856]	41535.690	81298.720	90664.480	15234744.000	120671.250
##	[1861]	14958.690	87786.150	8229642.000	44640.320	29085.380
##	[1866]	78385.200	73656.760	20127.115	41235.330	57838.060
##	[1871]	60183.140	33214.400	166891.600	107893.680	52312.680
##	[1876]	16490.800	98019.840	131931.120	8151.410	40009.740
##	[1881]	15432.200	24444.200	107774.280	11586.145	37909.820
##	[1886]	2526215.000	19856.160	33119.820	31400.960	24342.500
##	[1891]	70078.820	62214.360	67412.200	107289.360	107289.360
##	[1896]	14406.710	18743.075	10401.210	90160.110	84355.980
##	[1901]	10389.575	7804958.000	41600.340	14114.890	74192.070
##	[1906]	85862.600	19213.830	18733.040	22043331.000	95295.570
##	[1911]	19055.250	18378.810	20027.030	10380.655	50340.140
##	[1916]	16060.675	106418.670	17680.780	58885.700	44178.150
##	[1921]	29216.960	17931.375	7681.490	68309.040	17910.360
##	[1926]	20645.480	89162.300	14293.430	7059.455	43335.480
##	[1931]	14171.230	20134.870	28312.790	51377.880	7084.365
##	[1936]	42237.360	147996.720	35006.380	28784.530	85059.600
##	[1941]	80143.740	142815.120	49822.000	35171.340	38698.640
##	[1946]	4206569.000	58792.740	23437.790	83311.600	59656.960
##	[1951]	135596.280	172891.360	18940892.000	16319.375	58961.860

##	[1956]	21384.940	30128.600	102626.970	16219206.000	59458.290
##	[1961]	13506.895	22246.440	20062.490	140731.720	32632.160
##	[1966]	14336678.000	50104.050	9045.635	62848.740	62848.740
##	[1971]	33683.380	130130.800	9921.775	9446.245	19599.810
##	[1976]	17417.600	24098.630	27372.590	17393.160	89722.400
##	[1981]	86186.370	16421.940	102383.190	36366.680	28452.800
##	[1986]	19040.440	47291.790	24160009.000	15377.550	57728.220
##	[1991]	8053.370	16724.455	20417.430	16598.740	62565.600
##	[1996]	87671.600	21339.420	58053.270	31356.660	18157.030
##	[2001]	29220.830	16173.510	19740.445	54622.500	30377.050
##	[2006]	29060.320	83989.440	16756.180	33337.840	80264.880
##	[2011]	12657033.000	97338.210	40591.740	69506.160	18623.230
##	[2016]	117946.440	51548.560	49187.070	49187.070	7330.945
##	[2021]	58194.330	96882.930	124683.720	125385.880	90429.990
##	[2026]	16674.260	178088.400	133068.440	38847.800	35626.750
##	[2031]	20302.590	42541.920	14924.120	36791.900	22517.100
##	[2036]	47752.380	15225.990	79413.040	16361.900	37840.480
##	[2041]	3450079.000	57652.540	8446.315	10250.200	155955.800
##	[2046]	14547.700	11603023.000	15067.080	110110.040	17568.980
##	[2051]	40078.080	37822.180	17604.075	15985.410	25795.660
##	[2056]	35991.910	46036.350	46036.350	69082.120	35566.440
##	[2061]	59961.820	20316.570	17680.790	32382.370	32186.310
##	[2066]	46586.310	59050.480	23079.290	22119.355	7614383.000
##	[2071]	44248.140	7468.770	24208.830	41504.480	42326.990
##	[2076]	19092.790	37570.830	76443.150	19296.415	13613.385
##	[2081]	38103.740	67426.820	20501.670	16829166.000	60830.920
##	[2086]	17188.140	21759.540	70705.880	20415.520	18707.730
##	[2091]	3561741.000	20915.430	16397.440	138154.960	119568.150
##	[2096]	63539.560	19455.490	62546.800	67825.230	60082.770
##	[2101]	21073414.000	56122.680	15331.520	33749.250	50528.610
##	[2106]	29758.460	25355.140	29944.640	15885050.000	17187.270
##	[2111]	42266.300	56038.280	16861.340	15094.925	35166.350
##	[2116]	86742.320	71608.120	20685.510	21734.190	22489.250
##	[2121]	16524.395	124885.110	124885.110	33209.270	16572.960
##	[2126]	18537669.000	20833.190	19436.280	20456.350	28485.950
##	[2131]	21379803.000	40105.030	30988.540	73475.020	17321.505
##	[2136]	27525.020	122050.380	32763.680	179987.280	34989.380
##	[2141]	35235.450	72414.060	63259.800	17439741.000	89064.520
##	[2146]	31137.120	33714.380	17497.830	9150.480	35593.160
##	[2151]	10333.895	19903.785	19171.680	18863.280	33537.300
##	[2156]	4274320.000	15784.090	69895.760	33254.200	15635.860
##	[2161]	52742.910	140948.320	14311.105	177546.360	20995.615
##	[2166]	15985.560	2519069.000	94159.710	59426.850	48662.020
##	[2171]	61277.550	15447.630	70334.760	51884.960	50774.910
##	[2176]	142665.960	68332.180	38919.900	17164.730	39715.980
##	[2181]	162550.040	7572168.000	105645.600	40908.160	14012.055
##	[2186]	87903.620	139608.720	126382.920	28949.600	15359.740
##	[2191]	92300.010	14066.870	11149856.000	30416.280	62380.110
##	[2196]	19271.950	15055.000	30963.760	18070.010	59241.380
##	[2201]	65588.100	69941.900	17914.240	39580.300	7339095.000
##	[2206]	172413.640	100233.400	35444.720	76338.680	129680.280
##	[2211]	45250.170	14795.730	77190.520	64030.600	9816.780
##	[2216]	15628.950	8578.295	147210.680	31223.330	30567.460
##	[2221]	45705.780	169293.520	31002.860	9275.950	17668708.000
##	[2226]	66999.960	88685.320	49316.190	8532.975	9582.025
##	[2231]	10568.510	78024.960	32227.120	15988.665	83334.500

##	[2236]	17469.680	56023.840	19206.195	24376.200	29416.290
##	[2241]	130353.390	130353.390	35372.400	14360.970	28112.520
##	[2246]	29020.210	16168.520	10976886.000	82859.080	11468776.000
##	[2251]	44986.070	32160.080	28570.380	86957.850	76170.120
##	[2256]	123028.600	16735.020	12953013.000	109122.210	78738.680
##	[2261]	27752.640	15312.520	9277.245	27676.160	14900.750
##	[2266]	28077.180	104988.040	63756.330	16786327.000	9415.200
##	[2271]	42450.300	19041.480	19234.690	85272.060	22533594.000
##	[2276]	55663.650	97637.400	9769.965	46003.290	16863733.000
##	[2281]	72904.160	22171.890	121237.530	7077243.000	136386.200
##	[2286]	19801.670	103620.540	10105.995	17455.005	34884.340
##	[2291]	8304.890	102628.280	36823.240	10356.980	107626.590
##	[2296]	68096.880	18521.710	10640.355	160454.040	27288.850
##	[2301]	35730.440	18249395.000	9045.110	101910.750	145931.880
##	[2306]	19853.950	43978.140	95774.360	46722.720	38331.370
##	[2311]	9730.250	42240.870	19660.580	11586734.000	27175.690
##	[2316]	106695.480	75520.470	57367.100	12141519.000	95421.000
##	[2321]	28408.970	60738.480	41587.370	178793.920	17004.680
##	[2326]	31856.050	8068.860	35249.280	24095.190	53579.550
##	[2331]	15647.000	122847.880	15513.300	19632.010	75888.640
##	[2336]	111674.250	106871.400	15749.970	99668.760	20992.380
##	[2341]	60725.280	31802.400	37464.040	25631.480	43594.550
##	[2346]	131282.910	18736.830	61654.320	17572.150	14179.490
##	[2351]	26411.810	45412.950	6272639.000	37681.010	10024.250
##	[2356]	23001.710	71903.260	65644.400	9265.495	42112.560
##	[2361]	14619.875	36597.550	38721.760	104722.710	45404.400
##	[2366]	49570.500	14096.440	38060.700	179825.360	68588.280
##	[2371]	8621042.000	8814.920	89780.850	30472.500	32772.290
##	[2376]	28415.930	23454.090	31916.170	58704.260	18122.370
##	[2381]	22089.680	36063.450	10805206.000	74346.440	169106.960
##	[2386]	114261.680	75050.370	19570.560	28238.450	83576.260
##	[2391]	107797.800	16014.160	18214.240	33278.280	28230.080
##	[2396]	43311.840	16862.715	7087.240	7455.070	20774.340
##	[2401]	128588.560	661208.000	144456.160	19506.730	32196.040
##	[2406]	7901.055	14930.950	59501.970	22853.370	12714.980
##	[2411]	15512.055	23459.450	83722.160	42057.160	17315.320
##	[2416]	16833.355	41599.960	114588.400	21366989.000	16472.870
##	[2421]	18314.570	8060707.000	8473.795	36794.540	68042.580
##	[2426]	82668.240	127052.040	34742.740	2155310.000	35971.510
##	[2431]	162053.080	8394443.000	33022.700	25622.610	13032.705
##	[2436]	67644.920	16106.150	20496.790	19753.220	23520.690
##	[2441]	16896.190	44689.770	17682.035	14187917.000	114432.030
##	[2446]	19657.560	31748.410	19997.780	36783.380	32102.600
##	[2451]	19667.890	31156.180	19867.475	28225.490	28575.400
##	[2456]	12993.970	14274.540	167545.240	14192.120	101191.170
##	[2461]	132180.240	72145.320	11189.065	20274.940	115484.200
##	[2466]	9388.270	49732.410	75488.160	23211.260	80657.840
##	[2471]	66978.240	134393.730	3086064.000	32152.320	17064.095
##	[2476]	33381.680	12705.770	28021.640	2805708.000	18718.520
##	[2481]	44512.240	56663.160	143961.520	33045.790	76374.930
##	[2486]	76374.930	119433.420	12989.770	17282.310	80415.120
##	[2491]	134734.160	138188.840	12434.240	37756.850	29020.780
##	[2496]	19944.350	32411.630	97826.070	30760.150	7866.910
##	[2501]	36597.560	13672037.000	16256.300	16791.760	86408.130
##	[2506]	84379.820	126091.710	118446.690	65804.680	8719.000
##	[2511]	20937.380	37813.970	47888.940	15361.995	172792.680

##	[2516]	73028.880	114929.010	28501.860	18167.415	90487.960
##	[2521]	130597.170	9243.765	64159.530	88295.340	28517.530
##	[2526]	17234.695	62848.880	882819.000	15270.770	53587.860
##	[2531]	9920.795	8780.975	15148.980	80442.280	15106.330
##	[2536]	30555.870	49880.520	25610.670	16609.095	30619.710
##	[2541]	74837.120	18885.930	22933.450	40019.000	28634.880
##	[2546]	57055.950	33238.980	110525.970	72849.560	8674440.000
##	[2551]	45783.320	33520.040	79950.340	14155.740	69502.120
##	[2556]	99912.570	31316.470	57852.300	9988.760	109864.470
##	[2561]	33818.200	19151.850	8953.055	41200.260	126115.560
##	[2566]	18610.890	18495.140	66120.990	31909.180	91836.480
##	[2571]	31153.480	72576.040	27476.990	76395.280	13115381.000
##	[2576]	9584.875	53251.360	32260.970	58337.790	80932.920
##	[2581]	121466.800	61351.770	32667.100	104994.570	20498.120
##	[2586]	33832.580	13913.795	40225.320	66614.640	15916.470
##	[2591]	40372.500	43600.040	31438.120	12912649.000	175718.040
##	[2596]	56183.790	29908.400	11203.125	73713.480	21672.790
##	[2601]	20488.900	69654.000	20468.750	85740.330	24238.030
##	[2606]	111940.640	69840.020	32012.570	64090.040	7233.010
##	[2611]	73083.440	91869.450	38443.420	30355.350	17839.110
##	[2616]	136747.800	57107.520	7457.695	12127.235	49639.200
##	[2621]	14363582.000	109945.320	13646.215	76054.580	46010.310
##	[2626]	21070202.000	63788.880	15307.260	98646.360	13571430.000
##	[2631]	14378.240	22050.560	36926.920	15266.800	27268.700
##	[2636]	34642.940	32493.040	104255.670	161674.840	17545443.000
##	[2641]	48331.590	81744.760	134439.400	122618.160	30519.740
##	[2646]	39891.420	78569.900	106251.210	20613738.000	63354.360
##	[2651]	21740516.000	23973.160	10150.185	74213.520	22320.130
##	[2656]	17646.250	16210.850	31892.180	18507.000	29020.270
##	[2661]	9948564.000	91459.480	43108.400	16769.580	38477.400
##	[2666]	99194.190	12410.005	4442389.000	170759.400	94913.160
##	[2671]	59977.980	19966.510	75893.070	69312.120	31564.720
##	[2676]	52410.920	16054.150	20616.950	103351.800	41073.260
##	[2681]	22751.590	62325.900	37550.740	60031.960	135883.000
##	[2686]	14036417.000	67812.740	105667.620	81462.180	19271.825
##	[2691]	31357.420	94991.820	52982.070	15305.230	15987.510
##	[2696]	17653.700	38217.600	15088.350	17553687.000	19784.230
##	[2701]	14560.520	21276995.000	72508.860	15264.390	30678.730
##	[2706]	41751.650	130125.040	86638.520	17609.570	14688.400
##	[2711]	44962.880	90371.010	8928.690	23200.820	69865.220
##	[2716]	14388.770	103187.220	83218.000	8805.955	83003.640
##	[2721]	128674.440	9846.550	49454.130	18019.140	73409.800
##	[2726]	65397.500	39131.020	100191.360	100191.360	19431.830
##	[2731]	58144.560	30466.740	111059.940	100284.240	74902.800
##	[2736]	107360.100	42796.520	35196.360	28843.090	31931.730
##	[2741]	52475.700	9295469.000	67854.300	18927.650	14982.100
##	[2746]	9127.260	16989.600	90827.680	26196.390	20570363.000
##	[2751]	120314.000	73099.840	23211.700	60552.240	81166.860
##	[2756]	86971.560	38963.380	14314735.000	18849.100	73119.460
##	[2761]	32946.220	20191228.000	23814.730	10613.340	20228618.000
##	[2766]	19386.020	28832.980	10240.420	110924.580	97414.800
##	[2771]	18110.700	150467.640	52770.120	60493.080	41012.420
##	[2776]	147517.360	100241.670	88463.250	22324.105	77469.600
##	[2781]	60014.880	8833.225	35733.690	15117.510	40624.940
##	[2786]	81793.560	80265.200	38712.580	15895.235	32540.800
##	[2791]	121107.900	23029.610	62925.640	20194.190	27403.020

##	[2796]	19072.630	65538.640	19457.510	121644.600	39024.340
##	[2801]	24931.390	35247.020	7703.635	58228.380	73425.160
##	[2806]	22252.630	11831.605	15293.550	47726.040	51938.040
##	[2811]	141000.840	19731.200	41772.180	17158.430	35516.680
##	[2816]	73910.610	38186.840	24192.590	15145334.000	38387.940
##	[2821]	31469.960	17775.710	65599.920	8949.350	7079.320
##	[2826]	26733.390	16736596.000	18270.680	68454.960	115123.160
##	[2831]	17474415.000	19920.930	11883149.000	66422.980	16568.580
##	[2836]	8439.330	10244.800	9623.005	167489.400	21490.820
##	[2841]	34392.440	31985.640	26526.930	1605533.000	70360.580
##	[2846]	36349.280	17701.620	19008.320	8649.850	23401.580
##	[2851]	158623.160	88726.460	12593.445	72757.260	91111.980
##	[2856]	73439.260	11923152.000	62983.020	13840.485	17693.620
##	[2861]	101029.590	61279.770	38365.210	131113.280	99663.000
##	[2866]	38897.520	29964.040	68657.760	17570.580	102023.400
##	[2871]	93424.800	75723.810	15659.240	9290.250	17416.500
##	[2876]	21156.880	15881.580	7199.325	80436.120	24282.150
##	[2881]	46352.820	20393.220	14826.930	97566.810	61449.660
##	[2886]	19980.360	56047.340	44756.640	23289.740	9351661.000
##	[2891]	26265.810	94287.360	14860.490	81465.640	9550.435
##	[2896]	9917.285	11308893.000	8819.740	16518.680	32117.870
##	[2901]	32720.380	21382.810	97010.160	19569.270	17686.190
##	[2906]	7177.535	83245.140	44056.290	20929.340	19379.710
##	[2911]	101586.120	17129.910	85303.080	66553.950	32795.940
##	[2916]	60610.140	10973.515	66361.760	14525.530	25567.260
##	[2921]	12277393.000	162713.280	28749.390	34676.380	30243.640
##	[2926]	41832.640	20946.120	9485.610	48518.880	17116.050
##	[2931]	99384.720	59431.260	19424.310	51506.550	15658.160
##	[2936]	170391.520	34188.810	33494.360	43213.440	15755.455
##	[2941]	26670.700	51093.900	15007.610	91686.690	21196.230
##	[2946]	18344.750	84094.100	147334.320	56850.320	116941.710
##	[2951]	41644.480	17800057.000	60801.280	30758.430	66886.280
##	[2956]	29648.860	31254.230	18417.190	35032.660	32835.400
##	[2961]	82899.520	133868.520	28706.940	35372.360	37263.450
##	[2966]	32426.780	33439.390	8202511.000	54231.160	2546333.000
##	[2971]	42122.280	28022.900	44812.780	18329.930	12427.740
##	[2976]	60575.700	62359.820	9987.295	33146.840	98803.470
##	[2981]	35059.200	14392.840	12924.770	33036.440	102279.180
##	[2986]	37227.240	8507.270	20639135.000	70847.520	18894.020
##	[2991]	134563.360	7453.305	42247.170	103515.510	51340.920
##	[2996]	17707.460	22006.430	74023.530	9846.615	31080.360
##	[3001]	19078.520	83789.220	108702.090	7201.505	135445.200
##	[3006]	39139.350	18479933.000	68552.320	112080.480	14526.580
##	[3011]	36780.030	97174.440	62877.880	2766948.000	39039.800
##	[3016]	11617.390	43734.680	20235.800	43543.720	53370.420
##	[3021]	7177835.000	77613.390	108680.190	34114.430	15723.705
##	[3026]	97420.860	67097.280	38029.860	18508.070	77832.740
##	[3031]	44955.640	31632.320	140719.080	22705379.000	32146.130
##	[3036]	118875.690	63845.400	35134.510	12868.625	26025.940
##	[3041]	74449.440	71531.200	15471.010	89434.350	41678.650
##	[3046]	53320.080	151303.880	62109.240	44789.640	9898.600
##	[3051]	37240.220	177330.240	28485.710	15974.840	12874752.000
##	[3056]	14369.500	104142.560	35319.260	10830.260	8329.915
##	[3061]	16891.040	68041.560	107871.900	24795.160	57074.580
##	[3066]	16762.180	39560.620	63919.120	30155.090	30084.890
##	[3071]	8249375.000	14755.090	110147.520	15858.640	17078.485

##	[3076]	15375.090	31599.560	18666.830	16701.540	23635.390
##	[3081]	15289.330	34323.260	11978.875	40838.930	35139.000
##	[3086]	69684.860	70897.320	19204.250	89869.720	81320.880
##	[3091]	377503.000	70413.480	34775.160	7912.960	42277.830
##	[3096]	7836598.000	94545.750	33763.890	20660.160	44152.160
##	[3101]	8815.640	19206.920	17166.710	50513.250	152148.920
##	[3106]	79290.960	18038.000	74092.040	18760.600	42767.890
##	[3111]	47953.860	24308.050	20025646.000	42400.700	55644.390
##	[3116]	14036.915	77004.920	34902.430	141420.920	62347.860
##	[3121]	77165.860	15335.895	35455.230	34763.330	59823.580
##	[3126]	58966.890	89507.070	89507.070	41209.680	5366350.000
##	[3131]	59662.980	33153.690	42468.060	30498.760	30528.520
##	[3136]	9675.845	27026.950	83237.520	19707433.000	8126.595
##	[3141]	95713.280	44158.030	78741.320	108488.610	121453.360
##	[3146]	1766280.000	82670.040	44572.430	26509.670	15115.040
##	[3151]	78401.250	34229.350	17902.540	46650.900	31011.320
##	[3156]	9491.025	152340.560	28608.650	46696.020	17157.470
##	[3161]	57421.580	21202.090	82831.680	56304.160	36135.190
##	[3166]	55835.700	73823.840	14264.460	35728.540	28119.520
##	[3171]	22179.640	10243765.000	58224.100	7765.195	31369.580
##	[3176]	100268.730	7558.550	63461.280	88221.160	13300.535
##	[3181]	14293.600	33388.100	60901.360	30303.300	52882.770
##	[3186]	54881.550	36945.280	15950.660	1408938.000	45852.800
##	[3191]	8761.630	34791.080	63340.320	20082.650	14365.540
##	[3196]	75804.940	66176.670	29563.720	20076.410	17379.785
##	[3201]	20967.390	19890.190	82146.630	20700.455	15789.990
##	[3206]	160573.560	16714788.000	14089.400	63561.980	1890833.000
##	[3211]	97168.200	20712.240	72287.520	31135.370	92091.870
##	[3216]	107409.270	23051.720	57619.530	55281.020	68090.850
##	[3221]	8167185.000	20488.030	17741279.000	81815.020	18283.910
##	[3226]	151696.320	89190.570	60460.920	14886.290	155916.320
##	[3231]	14019.630	14155.670	9377.445	100956.210	133439.760
##	[3236]	15967.505	90182.310	7689.715	14241.480	75042.720
##	[3241]	114977.760	7435.160	10367.010	30185.740	69476.140
##	[3246]	28952.760	18798.830	88348.800	46076.490	22182.950
##	[3251]	32357.410	54601.740	31481.450	85280.880	34192.020
##	[3256]	40743.160	15150.720	76567.600	119889.750	12593.765
##	[3261]	3874224.000	19370.480	8255.925	31994.010	59534.160
##	[3266]	14584.155	122425.800	21206.820	8393.500	16801.220
##	[3271]	44441.990	23256.590	113666.080	10062.820	88601.460
##	[3276]	11333.420	17135.330	142717.440	19269.565	29936.800
##	[3281]	9901.355	57197.040	17774.970	81481.020	57994.960
##	[3286]	57473.580	94525.680	17163.150	56195.040	10279.305
##	[3291]	76072.760	32401.400	88126.580	7634547.000	31049.930
##	[3296]	87791.460	13966.770	71660.300	70556.920	34630.590
##	[3301]	48610.060	78363.060	32584.150	82293.240	9493.125
##	[3306]	32827.080	20728.400	15472.340	73928.780	29937.850
##	[3311]	48090.450	29297.140	8264.750	839284.000	18514.195
##	[3316]	43270.470	18380.150	51162.840	176696.880	28631.790
##	[3321]	75004.050	3283674.000	75004.050	9888.700	69050.520
##	[3326]	18412.850	142635.520	8566994.000	115177.320	76092.270
##	[3331]	103284.840	23312.220	30093.320	132588.300	29873.960
##	[3336]	16544.455	2251358.000	25899.180	85954.420	58510.600
##	[3341]	44768.540	66914.370	28108.170	36857.220	103092.270
##	[3346]	17569.690	100433.580	1639269.000	53751.210	82823.920
##	[3351]	20196.670	107761.290	34132.870	8102.765	12153.690

##	[3356]	7619.090	25664.860	35615.680	17296.380	15701.030
##	[3361]	177350.840	20282.380	49346.880	8973.160	14810.545
##	[3366]	55929.320	36638.430	31183.160	7928773.000	28956.720
##	[3371]	28263.500	58267.230	111112.760	19427.140	87714.580
##	[3376]	124436.400	167860.160	28730.940	5651693.000	42103.180
##	[3381]	15604.245	15391.470	23565022.000	132897.240	31178.100
##	[3386]	38038.590	35539.560	83873.610	19042.550	12975.450
##	[3391]	34693.860	28560.710	55378.410	39296.500	16472.090
##	[3396]	21687.460	16517.795	14189.300	97384.440	36941.920
##	[3401]	25322.830	19835.930	67049.660	86878.400	39340.720
##	[3406]	10003.495	45941.280	29594.870	73348.200	38415.690
##	[3411]	63022.200	56301.900	114755.040	22558.950	29377.620
##	[3416]	18250.520	19214.965	18372.220	79752.420	33061.790
##	[3421]	6980235.000	62927.920	72896.120	85840.340	72304.380
##	[3426]	17090.225	131990.840	34317.600	33185.600	19223.440
##	[3431]	35398.640	9989.875	20456.570	69341.520	70350.060
##	[3436]	48597.420	13090136.000	77821.260	17063.595	19453.050
##	[3441]	20417.710	20426.380	24600.330	31100.490	26299.080
##	[3446]	106154.460	86058.540	39693.860	134775.960	34374.280
##	[3451]	82796.520	79993.050	64350.760	101299.840	24458.570
##	[3456]	39576.590	34826.320	62805.480	9085.090	95189.640
##	[3461]	6609215.000	53460.930	53460.930	70137.800	128283.840
##	[3466]	35184.740	5548111.000	25040.590	20485.760	17517.550
##	[3471]	65598.440	781808.000	79237.800	10347315.000	102942.360
##	[3476]	15829.875	16706.970	38095.880	82277.800	21695.120
##	[3481]	15971.125	14271.950	21353.190	72000.700	2568033.000
##	[3486]	14795718.000	61881.640	19215.090	20368494.000	16157.790
##	[3491]	20290.790	106077.600	18140.000	67518.810	18925.440
##	[3496]	97577.280	33136.350	18002.310	12029.150	11381.825
##	[3501]	7465.895	23834698.000	24946.810	14773.380	33262.200
##	[3506]	45594.720	25498.210	14185.730	17001.680	117724.160
##	[3511]	119149.920	38392.960	36607.630	14015.320	17488.905
##	[3516]	2720806.000	11562.215	126982.680	104168.220	32414.960
##	[3521]	39215.880	100148.800	84989.460	84989.460	8766.580
##	[3526]	15035.190	7711339.000	8359.475	9296515.000	41417.040
##	[3531]	74142.960	16360.215	20252.780	38147.380	150746.880
##	[3536]	114998.640	9945.420	19731.160	72608.320	14129439.000
##	[3541]	29111.070	13684453.000	59924.960	70978.780	31327.280
##	[3546]	126530.400	113207.360	43287.850	104045.910	114450.720
##	[3551]	34974.300	26625.580	21818.285	56795.280	68585.440
##	[3556]	29648.760	102447.390	102447.390	16626.250	85163.310
##	[3561]	105453.390	105453.390	29728.310	16164.770	86914.410
##	[3566]	42072.750	118845.760	68236.120	132856.920	108884.760
##	[3571]	76284.720	8007.850	8435.625	64427.300	11533.485
##	[3576]	20945.230	44006.560	32871.960	114867.400	46683.120
##	[3581]	3855059.000	168878.080	90438.880	20958.750	50043.260
##	[3586]	7011.685	59710.880	7139.640	17621.705	35989.500
##	[3591]	26992.210	38797.220	110529.930	14969275.000	58982.640
##	[3596]	97868.730	14293.900	14672.870	163255.640	124955.080
##	[3601]	85543.000	34898.520	18138.000	17096.480	14085.150
##	[3606]	36729.930	51950.280	17187.480	124623.900	23557.500
##	[3611]	30592.380	25655.230	42884.840	27694.660	24898.500
##	[3616]	169229.440	19197.300	158311.120	65247.820	135871.680
##	[3621]	10413.600	34204.910	62170.260	86902.590	38272.580
##	[3626]	16358.970	106271.130	95745.880	36228.120	65500.840
##	[3631]	16518.870	17181.105	46717.320	44849.790	35669.970

##	[3636]	6397485.000	125222.600	89417.160	78426.520	78839.480
##	[3641]	95287.170	35933.670	34216.850	7156.425	107157.120
##	[3646]	135452.080	21229.730	70064.920	17482.490	13371038.000
##	[3651]	120091.920	56693.960	171873.320	66522.060	16724.855
##	[3656]	120030.680	175796.600	61348.980	9159.020	141816.360
##	[3661]	78867.520	99845.400	22373.535	104616.900	15451.690
##	[3666]	152483.320	30494.300	32937.830	132705.630	8952.155
##	[3671]	58301.440	142475.320	38580.050	19135.350	126664.280
##	[3676]	20890535.000	19899.640	7542.500	64294.770	30429.910
##	[3681]	34512.780	23522.970	29785.280	108397.590	71690.420
##	[3686]	96108.540	20701.480	21129.110	61355.120	28993.750
##	[3691]	30962.650	19547.065	103943.000	20695.580	25846.780
##	[3696]	73134.060	67394.920	70171.290	28397.310	37419.700
##	[3701]	117680.840	15833.700	35205.450	24105369.000	15891.115
##	[3706]	126680.840	77224.880	47631.960	148678.440	26697.270
##	[3711]	71633.480	43395.090	19956.600	71625.200	7830.030
##	[3716]	61839.260	123242.360	12743.995	18001.590	29892.370
##	[3721]	105226.980	30988.610	86304.380	18623.410	10386.830
##	[3726]	34476.640	144342.520	128450.320	55139.820	92497.500
##	[3731]	28405.610	151295.400	63079.460	18084.080	18622808.000
##	[3736]	15769.540	33656.120	62168.040	17251.000	116690.940
##	[3741]	140964.080	9888277.000	67583.200	9347.590	31429.850
##	[3746]	61567.050	86567.960	87603.240	20027.290	31923.730
##	[3751]	14411.340	52984.530	51093.120	45230.850	120889.620
##	[3756]	18246.250	34352.200	35248.410	20121.970	9500.235
##	[3761]	16096.540	146090.640	35728.360	8493710.000	68369.880
##	[3766]	29223.350	84408.160	94053.570	15936.770	26877.260
##	[3771]	73431.200	134928.360	134928.360	101112.600	14584.200
##	[3776]	107334.880	42098.930	163032.600	69736.920	76909.760
##	[3781]	41811.510	40678.440	14807.400	61683.180	79284.920
##	[3786]	49131.420	17486.550	36319.380	14831.815	10091.225
##	[3791]	30092.130	10227.530	60303.300	68876.120	22782091.000
##	[3796]	20049.970	60410.940	176572.120	16046.460	130169.920
##	[3801]	113616.930	107427.990	55473.180	55473.180	15371.470
##	[3806]	34947.630	22830849.000	4293824.000	19769.990	15812.430
##	[3811]	61936.000	73798.760	20734.160	14515.840	20611.960
##	[3816]	73026.920	29249.410	118645.800	14424.970	37921.220
##	[3821]	34238.400	9956.910	75908.660	17464.640	33579.270
##	[3826]	121471.440	68721.080	20830.800	16072.100	45342.240
##	[3831]	59377.140	10363.950	26347.020	16676.720	14453.630
##	[3836]	50885.370	38644.160	35760.120	17357.205	99854.670
##	[3841]	57258.280	26508.580	110912.790	13720720.000	10358.880
##	[3846]	35940.940	95329.230	17399.840	90398.960	11573451.000
##	[3851]	67327.320	12151.750	61269.160	67845.560	105080.760
##	[3856]	111204.780	16029346.000	60238.560	42512.310	31751.780
##	[3861]	29633.990	23489.780	15328.665	7946.090	9613.620
##	[3866]	23900.410	52032.160	11798.555	95844.330	114467.670
##	[3871]	14925.680	3770651.000	120479.640	60189.060	30813.680
##	[3876]	20057.570	23631.200	70383.000	16099.620	11492225.000
##	[3881]	45070.560	16295.730	70922.080	68213.380	17025.510
##	[3886]	104075.520	60224.340	2866067.000	78039.480	109652.700
##	[3891]	16499.630	59962.520	56911.280	61115.160	21892.960
##	[3896]	163978.400	37313.320	42109.410	14917.845	35520.480
##	[3901]	34746.020	71187.560	126217.600	17715.660	21075.820
##	[3906]	14049.075	7103.730	22928808.000	81831.720	48151.860
##	[3911]	35482.430	12629.600	49215.300	17623.090	30726.960

##	[3916]	66341.460	73517.540	16758266.000	58145.220	101696.190
##	[3921]	28385.620	30509.400	20015019.000	15820.155	16594.510
##	[3926]	64927.340	62475.570	62475.570	98518.680	92362.680
##	[3931]	116336.320	38635.950	19722.700	25203.100	84446.200
##	[3936]	32510.120	19218.210	7207.440	20232.110	37654.180
##	[3941]	111090.060	44498.780	57993.840	59479.260	101628.120
##	[3946]	133455.930	22828106.000	66560.220	66571.400	18327.970
##	[3951]	38690.040	60909.150	22705.830	163904.560	20282.420
##	[3956]	28891.260	8969.985	26918.380	34483.900	30748.930
##	[3961]	19818.560	17942424.000	14469.880	37720.580	48356.660
##	[3966]	112021.600	17708.330	41736.660	40457.960	40023.810
##	[3971]	132262.740	9389456.000	35976.970	28287.180	77641.560
##	[3976]	25740.180	64173.560	17190.620	129569.520	16436.660
##	[3981]	55242.990	55242.990	30819.560	9390.680	79847.970
##	[3986]	17525.870	19014.190	27910.590	35849.770	78498.720
##	[3991]	16135.120	15649.300	51031.600	84659.220	44190.300
##	[3996]	38624.060	91018.760	8946560.000	36512.400	34317.210
##	[4001]	20317.120	10285.710	32500.350	93125.480	62879.960
##	[4006]	8759.740	15847.060	29651.230	44927.860	72002.560
##	[4011]	15684218.000	41806.160	71421.150	64514.310	109905.960
##	[4016]	156356.520	71889.080	19648.090	7842.300	14051.560
##	[4021]	73451.940	43360.740	71605.000	22457.510	37577.820
##	[4026]	35218.520	8311070.000	16988.435	28838.960	10616.070
##	[4031]	50686.320	16221.070	127614.780	83181.880	18758037.000
##	[4036]	14696.620	17574.745	31364.960	35793.610	40067.100
##	[4041]	31004.100	18308696.000	7588.460	32530.440	53085.120
##	[4046]	160664.800	34617.120	133779.720	104744.880	54889.920
##	[4051]	90562.830	16237903.000	28256.630	33755.940	62901.080
##	[4056]	67928.840	119848.770	11426.590	45345.120	62148.000
##	[4061]	8081019.000	9608.030	167883.840	20877.190	58280.720
##	[4066]	60284.160	68392.180	16189.120	77604.320	42153.130
##	[4071]	61503.660	17603.265	9032145.000	97009.440	38126.940
##	[4076]	92127.240	18393.510	60040.500	28023.750	42811.360
##	[4081]	40651.740	19129.650	36841.390	20616.960	67059.180
##	[4086]	128141.190	57437.400	19536.450	76041.160	18305909.000
##	[4091]	65017.260	10466.825	81995.320	100686.120	67749.500
##	[4096]	29490.490	164956.960	105308.680	38325.880	109061.960
##	[4101]	44708.140	66022.260	57180.880	62892.920	56039.700
##	[4106]	17790.730	31731.940	28081.940	18976.460	16748.190
##	[4111]	12167.220	165076.440	69753.120	20524.700	19968464.000
##	[4116]	101173.800	17638.120	10759361.000	61358.820	8699472.000
##	[4121]	38212.840	128305.760	22136920.000	147521.760	42847.790
##	[4126]	36818.290	20171.070	51647.070	51647.070	43787.090
##	[4131]	16760579.000	106234.110	10143.890	38076.600	77677.380
##	[4136]	48052.700	20426.410	152895.440	48537.120	166692.000
##	[4141]	16916.380	80191.380	62428.530	23150353.000	86492.880
##	[4146]	122490.300	40512.000	8097467.000	21265.790	48179.670
##	[4151]	16257.915	35094.850	39558.720	85172.700	33189.560
##	[4156]	18998.520	21591.900	55062.870	85768.980	15116.910
##	[4161]	19054.150	20661.140	50063.360	127118.720	179068.040
##	[4166]	58110.060	136150.600	59072.520	26976.430	72637.480
##	[4171]	10952.320	121223.960	23917.380	9093.815	15279.545
##	[4176]	17983.020	17562.410	61793.460	88714.410	15718624.000
##	[4181]	24713.490	53935.110	38600.740	2093173.000	14132.320
##	[4186]	28010.020	41781.420	75454.200	57858.300	19966.310
##	[4191]	128494.520	97881.440	33492.570	32239.360	14822.810

##	[4196]	7711.540	122069.010	18996379.000	21088.460	9335.190
##	[4201]	17004.860	54876.200	56797.380	19251.265	58484.220
##	[4206]	32045.780	61934.520	158871.120	48072.270	49649.730
##	[4211]	71102.800	72389.880	30827.580	19134.770	11396337.000
##	[4216]	125468.440	25312.340	11610.355	70291.160	54838.440
##	[4221]	37159.000	67703.850	15845.470	7823.985	139383.600
##	[4226]	21697.640	56622.690	71732.720	19841.000	79556.120
##	[4231]	31134.220	70981.160	12775737.000	21673.570	57986.320
##	[4236]	81008.580	17919.810	49790.500	131040.420	9365.440
##	[4241]	31396.360	48070.300	121622.840	40445.440	41294.920
##	[4246]	28056.940	54811.560	31785.100	51729.750	12255.610
##	[4251]	33477.640	38460.280	15229.350	102460.440	32595.220
##	[4256]	20403.520	69591.180	71614.200	19126.650	33684.420
##	[4261]	11436.150	96141.480	57035.580	71830.440	17830.730
##	[4266]	31815.940	29814.970	14710.215	39255.540	35787.860
##	[4271]	43885.430	61804.340	17442.090	18579.360	34185.140
##	[4276]	20299.400	11629.690	27559.560	16056988.000	94369.640
##	[4281]	61746.990	33465.570	132325.880	14214.460	10967.735
##	[4286]	57449.790	81112.000	36821.000	12066790.000	15608.695
##	[4291]	42804.400	15333374.000	17361.380	18207.570	37547.680
##	[4296]	68056.400	18208.190	118228.380	14954.745	36886.490
##	[4301]	101641.140	101641.140	56830.820	19473209.000	33410.450
##	[4306]	54843.690	64874.080	58208.240	28497.430	164401.800
##	[4311]	70205.020	28910.140	17116.420	21212.910	36964.220
##	[4316]	36993.940	31577.160	32009.810	76386.040	101342.200
##	[4321]	22311.080	179072.360	17277.780	80393.480	15414.675
##	[4326]	58246.400	62086.530	99475.830	31152.060	38250.710
##	[4331]	20069719.000	59873.880	23163.380	70347.000	47523.000
##	[4336]	3430274.000	116569.620	11482.565	44590.100	73378.320
##	[4341]	33806.550	10353.130	114695.440	63383.100	10302.935
##	[4346]	19419.650	23216.360	4573532.000	151160.640	10037.735
##	[4351]	16114.170	22555.520	96522.000	67629.140	33480.020
##	[4356]	16480.500	19121.210	20515.940	14771.430	66357.140
##	[4361]	141897.840	14569.270	10943.535	35883.180	10296.705
##	[4366]	15915.730	28481.670	25609.040	23363.330	126769.860
##	[4371]	10086.965	17302.080	38713.360	45953.940	121966.280
##	[4376]	173650.680	9697.290	23808.750	10234.390	82583.610
##	[4381]	16146537.000	59788.890	28823.030	28338.430	32246.400
##	[4386]	85770.330	44826.540	17484.020	17455.360	19559.450
##	[4391]	54420.450	174353.000	32470.080	16653.500	103695.120
##	[4396]	49847.550	71282.140	12285.140	54832.830	12317910.000
##	[4401]	118568.600	129561.960	110116.640	15686.540	13924.125
##	[4406]	5795888.000	16608.800	10279.675	20837.540	14773.620
##	[4411]	39294.300	29949.100	14489.475	13351.830	101718.630
##	[4416]	18216.630	9978.995	19296.240	16744.760	40854.020
##	[4421]	39799.400	96650.640	51191.400	14243.265	61314.120
##	[4426]	50940.090	46152.920	19441.410	29376.070	16324358.000
##	[4431]	14450.430	7424.240	60485.130	38323.460	21450.300
##	[4436]	8637.095	18569.390	56270.800	14974.765	29079.950
##	[4441]	14513.880	71735.480	36918.960	18059655.000	43067.010
##	[4446]	31606.460	19466.450	81142.960	17889.405	148306.200
##	[4451]	32181.660	1135821.000	108691.170	34474.820	18474.665
##	[4456]	20247.610	8269.135	18683.750	33191.110	103026.800
##	[4461]	19640302.000	31781.220	15847427.000	23027396.000	25628.960
##	[4466]	34898.900	56420.520	163851.120	38860.980	16440.630
##	[4471]	19592.490	114447.090	9795.070	42372.360	136597.120

##	[4476]	40216.620	65294.180	58873.050	134038.640	33610.360
##	[4481]	77818.980	124490.360	69806.760	18567.280	89477.920
##	[4486]	44464.370	35600.200	36585.120	58192.440	14916088.000
##	[4491]	110439.560	60177.040	178328.880	18792543.000	18248.500
##	[4496]	124900.860	124900.860	142639.960	9871.225	100681.410
##	[4501]	32904.130	73938.680	42787.440	47589.240	82346.160
##	[4506]	17235.115	133646.040	44286.360	69557.680	121675.680
##	[4511]	77561.640	91516.440	41015.310	74178.040	8933809.000
##	[4516]	7189.540	14544.485	102207.420	49211.160	135994.360
##	[4521]	19453.420	81066.720	29905.940	156687.160	15211.940
##	[4526]	15410.190	73947.240	74380.960	18317.260	14784.450
##	[4531]	60573.960	18413.795	30622.730	15968.780	69860.180
##	[4536]	40566.320	80364.480	41077.120	14527.455	104183.460
##	[4541]	34660.860	63051.860	21949.160	58295.160	42082.910
##	[4546]	10867277.000	12186.425	21508.720	64247.120	34253.080
##	[4551]	41547.990	101238.570	21434.275	36348.060	77906.250
##	[4556]	70778.400	172085.280	79370.760	8079.460	112460.880
##	[4561]	40554.440	15660.150	58599.480	18115.210	18249.160
##	[4566]	141789.840	30366.160	128675.760	34962.320	64918.540
##	[4571]	42070.960	8056.130	71703.220	21018.000	9930228.000
##	[4576]	7636.400	70566.820	93451.410	9511.795	65493.780
##	[4581]	61219.470	110468.490	8087.760	64996.980	15636.605
##	[4586]	164580.360	113788.470	107512.290	31568.540	24693.090
##	[4591]	19721.210	24353.630	119396.910	14188.480	27392.760
##	[4596]	32928.360	19609.380	29644.120	36196.520	74457.800
##	[4601]	39912.020	100100.220	8037.285	21884.210	14156.880
##	[4606]	91426.950	176044.040	44822.210	53003.180	18426.245
##	[4611]	15913.015	34257.690	7536.015	19885293.000	57302.300
##	[4616]	79501.560	108057.120	37580.340	67223.070	67223.070
##	[4621]	14368478.000	21209.330	16647.050	37539.840	52860.620
##	[4626]	29588.180	45499.890	4894060.000	17980.355	19798.930
##	[4631]	83408.520	7206.845	38649.080	118244.840	44171.710
##	[4636]	33540.430	53466.600	10799303.000	172259.000	68713.480
##	[4641]	170374.760	29310.850	33588.380	10186.205	11300.335
##	[4646]	43279.040	19042.820	134809.280	75839.220	13737.650
##	[4651]	108767.370	60965.310	47390.280	35577.230	52243.560
##	[4656]	24812.000	118386.400	47091.420	41027.940	28585.380
##	[4661]	102137.100	19253.020	168899.440	15757105.000	109726.140
##	[4666]	26104.480	112423.800	20940.020	66227.560	57707.740
##	[4671]	17496.350	137428.160	54052.820	19922.880	15211149.000
##	[4676]	5694680.000	15573910.000	38027.680	14291.240	70421.780
##	[4681]	43287.280	71933.700	71933.700	98690.800	20574.710
##	[4686]	114389.240	27592.700	58074.150	19786.360	64650.480
##	[4691]	111295.160	23589996.000	15762.820	104658.750	23658189.000
##	[4696]	16523.080	34978.290	19194.750	16201.470	19331.530
##	[4701]	18625.740	77476.680	77476.680	16662.535	28547.560
##	[4706]	92599.260	64692.700	33687.460	9828.820	68081.280
##	[4711]	81491.940	104653.620	43531.450	18944.840	16854.420
##	[4716]	62825.900	15040.470	21139.230	31963.960	17434864.000
##	[4721]	18965.350	113826.680	95401.470	85432.840	32130.510
##	[4726]	16753.630	8930.885	28880.560	34471.160	55910.680
##	[4731]	65677.380	31408.150	20917.510	16415.380	16012.640
##	[4736]	13214.895	49349.640	17476.720	11687.925	15469.210
##	[4741]	42162.240	119877.150	41550.060	92509.380	23176251.000
##	[4746]	36298.360	22298.540	35856.820	18053656.000	16518.585
##	[4751]	61923.660	97583.430	16063.455	54150.090	7682.515

##	[4756]	7895.565	74956.200	130232.250	30028.290	53331.480
##	[4761]	3872434.000	59359.040	30771.540	31040.140	17414.300
##	[4766]	9620915.000	11230030.000	46248.720	21051.145	59502.280
##	[4771]	7567.505	93169.920	12224929.000	92084.400	58225.780
##	[4776]	125943.630	16083.840	67512.600	143703.400	19742.240
##	[4781]	32027.380	32424.620	8499.645	43115.380	16038.690
##	[4786]	7885.605	10366.830	82203.450	82203.450	2817499.000
##	[4791]	27767.570	48101.130	9093.865	59214.600	8285.085
##	[4796]	104880.680	38036.610	8983.565	80302.470	28279.120
##	[4801]	28256.160	14075.830	30608.630	15714.980	55663.500
##	[4806]	19071.070	32019.940	104118.690	20562.560	34014.640
##	[4811]	20372.430	167787.160	135807.120	69228.920	17758.440
##	[4816]	12680.815	16943.505	118636.880	90403.770	171292.560
##	[4821]	33768.990	78164.360	7261.910	114150.750	44219.460
##	[4826]	18848.995	41486.980	13264791.000	77463.990	44456.600
##	[4831]	17766.930	98796.840	1732275.000	20929.295	36742.540
##	[4836]	41803.080	35384.000	43568.840	17488375.000	10332.740
##	[4841]	37089.860	93390.440	7863.040	16906.810	87853.560
##	[4846]	29827.760	61389.180	74424.600	85038.870	19705.740
##	[4851]	17863.150	11919831.000	10207.500	118297.600	39962.380
##	[4856]	80562.560	9897.565	34052.560	62160.870	82015.880
##	[4861]	89495.670	15982.360	34552.700	12132192.000	44280.310
##	[4866]	17932590.000	27099.110	44986.550	89338.360	31534.940
##	[4871]	21336.900	16486.520	8459.020	48254.040	20628.550
##	[4876]	24744.780	11527.730	57407.040	84378.960	64794.640
##	[4881]	14785.120	15303.580	14441.540	31641.760	20065000.000
##	[4886]	55644.140	16050.730	38861.720	38764.800	85020.540
##	[4891]	34913.580	122915.960	41770.210	167753.520	50243.220
##	[4896]	40207.940	8113.060	13499.855	20602.020	20301537.000
##	[4901]	85656.280	41702.900	61266.630	14125.040	34677.860
##	[4906]	28206.960	8507441.000	51627.390	170751.960	37679.140
##	[4911]	19435.600	30802.790	57294.200	46887.990	16857.295
##	[4916]	35104.320	39234.080	16562.010	92200.680	162955.920
##	[4921]	99776.280	16362.680	35284.570	35336.770	11550.325
##	[4926]	94092.360	31598.500	18822.020	61203.180	61203.180
##	[4931]	83601.840	11586.525	80953.200	80953.200	102260.000
##	[4936]	74866.600	147510.760	16678.980	129233.520	110347.200
##	[4941]	108129.440	9812.960	53226.520	15129.900	63525.640
##	[4946]	21613.570	20040.640	40341.160	88859.370	29485.200
##	[4951]	31959.400	88716.280	18508.390	8996.265	39700.240
##	[4956]	18671.920	11698239.000	16435.270	2778508.000	17438.800
##	[4961]	43518.870	35996.230	35310.830	68380.290	20870.460
##	[4966]	81764.540	44418.540	171280.880	30385.070	34652.700
##	[4971]	62773.200	54027.000	16489.740	37823.270	143469.160
##	[4976]	10728.400	68469.600	27032.890	108952.350	18990.850
##	[4981]	30536.260	73888.420	8763.220	136435.200	14906.560
##	[4986]	69779.800	13848.890	7226.435	33765.680	49128.900
##	[4991]	7567.595	19047.380	79878.520	31329.830	65891.850
##	[4996]	17109931.000	9955.255	127273.880	39318.500	8361.590
##	[5001]	9529.855	19681.080	57943.410	161007.320	18760.690
##	[5006]	76804.720	23357.870	45834.570	68470.860	22693112.000
##	[5011]	53945.850	19028.450	11486.080	35643.600	35699.530
##	[5016]	53611.710	14008861.000	15508.430	52977.000	29283.910
##	[5021]	71843.520	7153.435	15862.670	12549.985	74478.720
##	[5026]	48818.100	48818.100	98459.700	60462.440	19280.730
##	[5031]	17666.820	31757.980	39123.420	35844.020	15169.510

##	[5036]	134139.480	33642.070	15580.410	107068.920	73802.240
##	[5041]	43956.230	80411.040	3785971.000	80411.040	39305.860
##	[5046]	46417.560	44595.180	42757.810	119902.400	46410.420
##	[5051]	20949696.000	40894.220	20615.790	38673.640	66460.600
##	[5056]	127720.400	18116.100	67841.780	31439.600	104506.980
##	[5061]	19078.990	14129.420	40984.400	9336838.000	15985.290
##	[5066]	25810.930	53699.700	112056.360	45367.940	32737.580
##	[5071]	126971.000	37171.290	8840.480	77905.920	8781.955
##	[5076]	42921.750	17101.620	72471.320	17334339.000	43430.880
##	[5081]	18296.910	16730157.000	44864.550	23809.460	16112.185
##	[5086]	57786.480	85486.140	17590.830	32597.480	18226.130
##	[5091]	93939.360	42373.700	20300.560	21298.530	18967.250
##	[5096]	34175.260	29227.640	72200.760	7622.665	56455.350
##	[5101]	15655910.000	172205.960	10322.130	18706590.000	104177.610
##	[5106]	22017.780	17111.350	29943.550	77603.480	72618.320
##	[5111]	3239710.000	11458.240	50291.220	141733.080	161063.800
##	[5116]	10275.925	10328.580	33022.950	52566.390	34126.190
##	[5121]	15954.720	17773.775	18942.005	440403.000	19646.255
##	[5126]	83947.720	8940.140	55245.880	38334.610	17774.320
##	[5131]	7493.290	63195.210	29827.360	13351820.000	8597.690
##	[5136]	36641.860	50538.580	19186.400	30371.740	132986.730
##	[5141]	150043.560	61236.860	72814.860	18058.635	41115.080
##	[5146]	24004.500	16952875.000	106815.540	8721.605	13699.520
##	[5151]	57295.880	31454.220	27647.080	64259.040	32123.850
##	[5156]	85461.630	172510.480	32023.640	93220.710	45243.210
##	[5161]	55070.190	8990.500	10466.160	14681.680	60860.100
##	[5166]	60860.100	39418.470	29482.060	55516.290	59939.520
##	[5171]	99995.220	16822.580	11128.910	128754.040	6580687.000
##	[5176]	32187.360	10046.240	33235.350	13268.945	8796.905
##	[5181]	14664.910	10648580.000	29822.120	14517.440	20275.970
##	[5186]	20067.050	48297.480	19357.890	21498.365	5388987.000
##	[5191]	41801.680	86529.480	14445.760	28806.440	79626.930
##	[5196]	9092.870	78133.600	10426.610	56971.500	46162.620
##	[5201]	21457.185	20997.075	36580.660	15961.545	39538.620
##	[5206]	31244.710	28012.420	27905.800	14719.330	28769.520
##	[5211]	68898.560	21453.930	33531.190	17191.270	20721.780
##	[5216]	14602.160	61869.040	35707.450	39755.360	29388.660
##	[5221]	7464.640	275234.000	31608.120	94158.690	35694.330
##	[5226]	33030.030	28686.150	29212.860	8684.390	19220.610
##	[5231]	9203.725	88014.390	40762.390	28381.960	121844.200
##	[5236]	133444.080	32511.020	15026.040	165333.720	45491.700
##	[5241]	20780.410	17283.900	127770.520	9067.120	10608186.000
##	[5246]	12302.195	39141.080	15167.620	27316.860	29605.900
##	[5251]	27131.570	7879.850	16439.240	17142.640	19911.770
##	[5256]	94529.820	22019.770	38095.160	78604.470	57153.630
##	[5261]	60787.320	42031.090	168647.080	126026.190	18053.320
##	[5266]	39225.320	119321.840	28315.950	18750.540	40334.700
##	[5271]	17594.015	71148.940	32570.850	27007.190	29386.900
##	[5276]	44308.670	118988.190	27217.230	7019.435	14688.840
##	[5281]	130289.460	65383.720	19278.720	21826.180	40035.020
##	[5286]	8305.150	18808.340	18350.255	69428.720	28867.010
##	[5291]	147292.280	17535.650	40019.640	106598.840	82892.400
##	[5296]	72195.240	31200.240	33669.700	33427.130	117639.920
##	[5301]	22233.980	58166.600	78006.320	22224.030	51150.640
##	[5306]	18608.170	19051.660	25856.840	21379346.000	18464.080
##	[5311]	10395.460	138715.040	9375.245	103744.830	30355.010

##	[5316]	22120.690	49768.710	59703.750	97889.100	17509.000
##	[5321]	67503.360	35366.380	40806.350	45472.950	56531.600
##	[5326]	40174.360	76891.000	13511.760	112202.720	74063.280
##	[5331]	107595.680	60437.280	29663.440	23445.470	60125.180
##	[5336]	19427093.000	105950.760	130435.860	31172.100	36776.480
##	[5341]	10363.340	44793.340	53876.660	142285.720	17232245.000
##	[5346]	20062.860	19860.550	14638.540	13037607.000	121684.360
##	[5351]	16387868.000	57377.160	2101888.000	38391.660	18025.170
##	[5356]	36137.590	120986.250	18980.760	70414.100	15551.680
##	[5361]	58012.880	42803.100	42803.100	37485.370	32928.140
##	[5366]	9691.165	44261.650	19801.990	23756.680	76082.250
##	[5371]	42956.580	24613.730	162259.960	14403.860	19566.150
##	[5376]	18719.740	16055942.000	31029.700	11111781.000	29062.920
##	[5381]	11323544.000	33349.630	14839.245	18743.800	34612.260
##	[5386]	44678.570	46645.860	85494.500	39136.420	7005.930
##	[5391]	53698.440	13982.725	20521.750	42274.960	41026.380
##	[5396]	7708.690	126615.040	26794.850	54236.860	19253.600
##	[5401]	40108.060	14313.740	9956.155	18097.460	17955.380
##	[5406]	23871966.000	43755.330	18158.330	37827.770	30661.160
##	[5411]	24105151.000	41122.990	28074.060	9670.150	20399.820
##	[5416]	20063.030	40600.610	16770.600	30411.890	18128.100
##	[5421]	79205.360	141219.080	67857.800	19958.320	18354.805
##	[5426]	20974.050	9602.285	9077366.000	15419.660	16228.170
##	[5431]	61778.700	116522.680	43894.240	72583.320	72583.320
##	[5436]	9185.545	15671.960	15649.260	52042.320	104158.680
##	[5441]	48824.140	34323.860	120389.550	66509.880	12338.465
##	[5446]	35361.270	17738.090	71503.760	46150.650	14483.140
##	[5451]	17683.370	12931.560	53225.370	34498.620	72412.740
##	[5456]	15648.785	17678.470	37421.880	68690.080	36130.890
##	[5461]	19916.140	35733.630	141025.920	176783.920	98874.630
##	[5466]	59304.200	116114.760	14799.910	9548.815	17650562.000
##	[5471]	18180.430	8286986.000	76476.660	38714.360	16923.730
##	[5476]	33797.000	33206.260	117878.550	16520.790	33857.410
##	[5481]	29349.000	9748.985	93352.860	8242.335	33089.510
##	[5486]	21551.570	42846.390	31236.520	39343.020	60243.460
##	[5491]	145994.280	15641.730	8892.360	18946794.000	45034.340
##	[5496]	83206.720	57136.440	16197.910	17938268.000	130402.880
##	[5501]	121486.920	21642.845	35586.400	31230.980	8967.460
##	[5506]	73394.120	33643.540	17044.230	30547.980	8609.790
##	[5511]	14353.890	35865.450	19339.080	21596.240	123375.180
##	[5516]	17347.040	102343.680	15828.150	60983.720	17816.750
##	[5521]	30231.090	154352.000	139582.600	18293.520	51371.130
##	[5526]	14542.230	34094.940	30470.590	67942.900	71508.270
##	[5531]	32364.580	70709.040	158483.480	95858.310	41588.740
##	[5536]	75299.360	108462.870	81969.240	87095.610	35149.910
##	[5541]	41647.600	34343.830	71522.200	14093.080	174826.760
##	[5546]	15509.880	53627.010	117499.470	36210.300	100831.950
##	[5551]	45051.240	14787.010	82332.680	28496.300	23435862.000
##	[5556]	24813.210	83669.520	119113.710	19487.770	82339.360
##	[5561]	71766.060	29020.310	7201.155	7097.015	55035.660
##	[5566]	12550732.000	20634.780	55188.520	10499.560	30924.040
##	[5571]	158952.840	64840.320	20985.480	29503.650	40100.450
##	[5576]	33647.340	90409.320	31225.440	25744.120	16398.560
##	[5581]	129727.400	63473.600	59103.060	18371.270	44258.100
##	[5586]	46422.100	40063.220	17625.610	32428.980	10457.880
##	[5591]	93536.040	81823.280	9929.235	24148.540	23198518.000

##	[5596]	18762.550	39353.800	457224.000	83990.680	16154.255
##	[5601]	11100.590	20194.020	21964843.000	59782.000	32777.510
##	[5606]	43090.570	9863.530	47268.220	9276.990	48409.170
##	[5611]	20256.390	8615907.000	34225.790	18241.110	44318.920
##	[5616]	61262.760	105015.760	53320.980	14435.435	17132.905
##	[5621]	7314.675	47557.020	36401.360	33518.120	56274.240
##	[5626]	57742.860	25971.130	34039.540	28694.160	88325.580
##	[5631]	66489.740	7169.585	19454415.000	82988.080	70618.620
##	[5636]	98436.600	16858.010	19019.100	38158.800	63539.660
##	[5641]	120644.880	129982.410	22291103.000	8213.680	64688.840
##	[5646]	71814.280	38117.060	30549.550	101203.000	35006.570
##	[5651]	41617.680	99657.510	134504.680	63068.880	71285.000
##	[5656]	19582.950	57080.220	37367.340	2251666.000	36647.460
##	[5661]	28468.130	67531.720	15195492.000	17918.660	19940338.000
##	[5666]	58382.000	17945.770	21833.790	19799.730	112985.560
##	[5671]	80206.640	31380.640	29727.930	18496.490	17594.780
##	[5676]	13986.835	160052.200	79323.960	128423.360	34281.920
##	[5681]	41167.600	11391511.000	39734.740	38750.410	35871.340
##	[5686]	24206.090	19543.580	43826.510	17728.550	7622.805
##	[5691]	80539.080	36408.040	86163.520	58873.640	81760.000
##	[5696]	16264.700	15043888.000	41552.770	14187.130	33818.630
##	[5701]	14550.520	77439.870	175191.400	32430.820	80213.400
##	[5706]	20017.240	30348.010	61437.000	19854.120	5275675.000
##	[5711]	87247.620	88752.260	20222.090	34378.870	40306.660
##	[5716]	19013.285	156153.240	88556.700	57700.160	9474.160
##	[5721]	109621.560	19647.550	37990.270	17517.690	117551.960
##	[5726]	134993.790	11826.655	15806.695	15148.680	30821.300
##	[5731]	918988.000	74780.480	10300.895	27286.530	101275.800
##	[5736]	15786.960	36779.900	15375.980	8086.375	12226464.000
##	[5741]	67321.960	82329.560	44964.220	32853.950	134947.240
##	[5746]	35165.460	30321.950	18153.180	112938.080	120922.260
##	[5751]	75524.260	11719968.000	87843.690	67639.380	91965.630
##	[5756]	66349.960	47509.940	21762134.000	29043.120	15139.130
##	[5761]	19294.460	54734.000	19012.940	37840.640	91432.440
##	[5766]	45559.590	22115.435	8865.630	42843.650	115661.320
##	[5771]	14560.430	18237.780	44134.060	38261.700	127285.410
##	[5776]	93163.520	125597.520	94187.250	7650.145	15937.740
##	[5781]	7893.875	35880.370	7598.185	73417.480	23640663.000
##	[5786]	174098.520	58539.840	51410.980	7029789.000	34960.250
##	[5791]	17685.790	18618.230	8044.130	75402.520	14184.935
##	[5796]	20589561.000	81815.310	13864574.000	19803.820	28347.680
##	[5801]	28699.480	20942.880	15708863.000	11026482.000	115362.960
##	[5806]	11313151.000	19355.620	19462.925	9434.835	151515.680
##	[5811]	33905.670	128275.840	19043.090	63248.980	20576.690
##	[5816]	31433.970	36628.570	11308032.000	90894.080	108171.630
##	[5821]	164861.360	18859.380	84045.990	63010.840	22115.475
##	[5826]	17098.880	17493.020	17075.640	156429.520	105870.600
##	[5831]	73905.760	127430.520	159058.440	5413938.000	36068.940
##	[5836]	59110.830	76941.600	39791.200	14475.630	30685.780
##	[5841]	52256.670	28174.700	64674.200	8540.855	29555.140
##	[5846]	125866.240	7780.490	19366.730	7077.870	99858.150
##	[5851]	9822.235	8923248.000	21881969.000	19755.430	15400.910
##	[5856]	19675.360	36412.860	93871.890	27412.030	79748.920
##	[5861]	19179.165	10628.735	16752.690	59393.360	67712.580
##	[5866]	7343.865	54858.750	20813.980	76577.840	137123.880
##	[5871]	35012.780	9654.910	17510.655	34508.660	55384.410

##	[5876]	10418.315	75257.640	111642.180	76855.560	73639.720
##	[5881]	56366.580	22709.940	27794.430	84609.780	88827.540
##	[5886]	88827.540	8241.750	52820.160	88412.010	9427.945
##	[5891]	56609.580	33390.920	50778.480	16413.230	78595.600
##	[5896]	57365.730	17711146.000	16511.395	40289.790	82757.960
##	[5901]	79062.440	20671702.000	34506.140	17502.190	129591.320
##	[5906]	16594.590	106119.680	83962.920	10287.560	22313.780
##	[5911]	15134.060	34855.080	30789.350	32629.080	21700.680
##	[5916]	33777.110	17196.130	22433.660	8538.405	106030.050
##	[5921]	31287.480	102910.110	102910.110	40032.160	38377.920
##	[5926]	9691.010	73400.580	40026.120	19098.690	31086.420
##	[5931]	36238.860	117851.070	9084.520	72309.420	172074.880
##	[5936]	20808157.000	32854.740	39231.420	43249.780	79980.520
##	[5941]	9166.465	69388.260	85325.240	93189.930	61707.720
##	[5946]	40972.040	14383.030	20889.640	13315.200	19083265.000
##	[5951]	21751.530	9852.775	42122.430	37607.280	59658.090
##	[5956]	34625.240	19068.010	29616.720	32835.910	19159.565
##	[5961]	18309.540	80754.160	14951.220	15723.515	14497.400
##	[5966]	34946.420	16253.000	35304.410	66823.120	9694340.000
##	[5971]	6293088.000	18514.920	87246.150	10181.500	18963.650
##	[5976]	19127.840	22640654.000	85019.760	84907.680	19744.640
##	[5981]	79005.000	65558.360	14384.400	107437.530	20648426.000
##	[5986]	7630.570	16734.130	121813.720	58307.970	130782.400
##	[5991]	48698.780	81199.040	31490.630	42708.160	141688.280
##	[5996]	19125.480	17501.400	44915.910	32599.320	14581.315
##	[6001]	7183.530	21568.280	99618.840	485755.000	16595.940
##	[6006]	51711.960	45652.170	16084.710	3795638.000	118763.000
##	[6011]	26440.130	10737.365	143823.120	20172.200	38873.660
##	[6016]	19267.270	50391.240	50391.240	42918.750	59018.580
##	[6021]	66376.280	13100.020	17354016.000	99955.080	56978.790
##	[6026]	132174.640	14981.390	88940.760	72245.760	28455.140
##	[6031]	159032.520	29327.100	40550.160	176295.000	18692.020
##	[6036]	16167.610	1379874.000	33606.820	17905.560	8835.540
##	[6041]	58416.360	31920.780	32438.590	17535694.000	7230.615
##	[6046]	33103.850	16276.325	80247.240	31113.360	81254.120
##	[6051]	8963.990	34980.940	95187.600	129800.320	44835.390
##	[6056]	44806.600	39503.020	7055.840	18622.570	64662.040
##	[6061]	11115.320	16972.370	144423.720	38041.560	35913.640
##	[6066]	14025.885	40327.810	78339.660	122364.840	38554.720
##	[6071]	59775.240	27265.170	17516968.000	56705.700	38535.500
##	[6076]	10172.080	8083.345	17923.050	36963.890	105816.450
##	[6081]	36064.740	81779.540	59112.810	35300.500	82920.200
##	[6086]	102737.640	102737.640	52104.000	144051.840	30643.510
##	[6091]	14428.910	49140.870	16892.100	17521224.000	30834.280
##	[6096]	68291.700	68291.700	26766.060	40031.940	101565.680
##	[6101]	97900.400	32119.360	70058.880	18214.080	14058.750
##	[6106]	18823.320	28101.460	26886.510	18642.750	16437.830
##	[6111]	59695.360	20138.870	8535.405	59665.200	65806.240
##	[6116]	20957.270	59730.570	25759.240	15766.760	43239.810
##	[6121]	8128.965	19592.580	35842.830	63455.100	71892.940
##	[6126]	18668.090	30000.820	136812.040	127464.800	71507.360
##	[6131]	116798.360	71565.540	33343.640	40612.160	58651.880
##	[6136]	17585.290	15191.030	65984.280	83418.180	36471.780
##	[6141]	20422.480	16633.780	93256.680	68131.800	10091249.000
##	[6146]	31136.800	38555.620	102215.610	102215.610	85498.650
##	[6151]	15330.755	138806.880	61228.600	7085.390	5860495.000

##	[6156]	20638.155	20336.520	17930488.000	12291.445	142001.120
##	[6161]	63473.680	51715.680	37618.300	59923.890	8167.740
##	[6166]	57150.740	8749.465	127014.280	13037701.000	42250.770
##	[6171]	20734.200	127617.600	17572.045	71010.440	10216.360
##	[6176]	76644.160	45245.520	42165.910	80815.400	120171.480
##	[6181]	10227.655	81892.680	36136.490	67361.380	43985.800
##	[6186]	17137.570	74106.940	17718527.000	80235.270	17171.560
##	[6191]	118080.400	134533.320	88434.960	88434.960	122307.960
##	[6196]	15548.340	93106.050	84673.200	36377.090	17394.320
##	[6201]	11403141.000	51557.730	99403.320	16586.580	22007.110
##	[6206]	8391.185	68763.140	34209.800	84738.630	41153.900
##	[6211]	89254.770	77034.000	15308303.000	99868.830	31372.540
##	[6216]	20024.170	62717.240	56192.320	98534.220	62276.370
##	[6221]	67730.000	132842.560	114224.240	178969.480	9704688.000
##	[6226]	87746.920	58366.220	4494121.000	16757.525	12877209.000
##	[6231]	95846.490	42316.400	18648.380	143802.440	17655551.000
##	[6236]	31407.100	9183.320	31227.350	10462.585	79357.140
##	[6241]	88533.270	39487.820	19010.580	33287.120	25042.690
##	[6246]	9307.915	1406411.000	105150.200	273093.000	27354.480
##	[6251]	135107.760	49937.400	87902.130	20625.070	99340.080
##	[6256]	122705.730	134790.560	14730.780	114948.000	10813.530
##	[6261]	75776.550	18515.180	33494.580	86771.080	20085482.000
##	[6266]	57227.040	21426.070	7689.500	143961.640	89427.120
##	[6271]	18280.185	77883.540	77883.540	7020.545	39398.740
##	[6276]	72099.140	14273.350	63402.480	155673.160	10503.925
##	[6281]	88215.030	18184.990	49125.570	109600.950	24057.730
##	[6286]	16476.040	18869.780	19632.640	17263.940	18409.790
##	[6291]	67556.800	42900.210	31041.460	173668.840	89956.160
##	[6296]	18565861.000	64829.940	34819.830	10897.385	77631.280
##	[6301]	23627.630	5691341.000	18910.830	69601.240	20324.355
##	[6306]	35452.340	21366.120	22043378.000	31937.620	92565.810
##	[6311]	97164.600	129780.440	140875.880	16827.645	81610.440
##	[6316]	68380.020	19675.250	56390.000	39323.540	70580.160
##	[6321]	87792.390	15577.010	41794.320	70582.000	43609.130
##	[6326]	110443.200	17804.960	39323.360	43450.250	43904.460
##	[6331]	35374.600	99952.320	27377.060	15815.220	16231.115
##	[6336]	20199.460	71096.020	20394.200	130045.950	83718.120
##	[6341]	66940.620	36849.910	62337.420	12565961.000	19092.585
##	[6346]	20877.690	37755.920	71480.440	20867.670	73615.360
##	[6351]	56831.760	36463.210	8942661.000	80392.840	17641.460
##	[6356]	29101.200	812932.000	19167.220	130832.370	117955.380
##	[6361]	15157.250	30373.350	22084.560	8937040.000	18735.980
##	[6366]	24278.950	88400.970	29146.600	155911.400	28578.920
##	[6371]	19137.300	22229.370	110608.830	34308.050	20547.590
##	[6376]	15649578.000	12224492.000	83083.590	81047.560	78809.880
##	[6381]	60401.400	8266.920	58726.710	43608.180	21803.325
##	[6386]	39052.470	45765.120	107199.660	37346.160	13590.595
##	[6391]	63306.540	112287.880	13838.180	17553.220	115556.370
##	[6396]	131865.000	20474.140	14444063.000	54758.550	59807.610
##	[6401]	38444.520	14266.530	69761.430	134341.050	125141.220
##	[6406]	26612.600	159319.920	13231.530	68122.460	19337.160
##	[6411]	14132.770	7674718.000	43139.760	70793.380	33029.660
##	[6416]	22312.070	9530.690	116396.670	38978.060	17327.280
##	[6421]	19875812.000	57459.360	10885.150	51676.260	58452.180
##	[6426]	28893.090	4590973.000	12162.055	21271789.000	147819.960
##	[6431]	124106.040	43771.850	37898.340	22133.010	43892.310

##	[6436]	22225113.000	31341.980	17943.885	22709.370	18661.910
##	[6441]	22846.310	26649.480	9765.685	94465.320	29489.630
##	[6446]	54553.590	17569.870	118124.480	15648.850	28127.130
##	[6451]	28876.410	17583.650	16038.680	11980.385	33470.660
##	[6456]	110398.140	31081.620	31795.080	18431.530	38305.280
##	[6461]	71169.300	7371.660	56831.700	21719.900	118042.880
##	[6466]	8816.710	15655612.000	39014.500	32473.000	80370.320
##	[6471]	76448.440	35589.970	33470.430	123050.200	15717.275
##	[6476]	22728.900	74800.000	39102.560	8135.855	24749.200
##	[6481]	29453.840	15701.525	43592.100	18390.300	30162.350
##	[6486]	52046.280	20295.670	41694.360	40085.460	9917.025
##	[6491]	99237.750	67930.880	36707.700	8047801.000	40428.660
##	[6496]	40255.560	11451837.000	9015.625	105565.710	64923.040
##	[6501]	70361.760	16105.040	19749.315	74366.940	8071.240
##	[6506]	17091.960	12654584.000	29960.970	9313.800	32613.680
##	[6511]	57586.820	11646.925	22434.160	15411.930	95610.810
##	[6516]	39566.480	58596.300	14744056.000	28716.000	19125.750
##	[6521]	111845.600	20168.990	17908.010	18902186.000	18202.235
##	[6526]	35038.350	84215.130	14020.860	103007.700	69740.960
##	[6531]	10455.875	20099.990	115379.640	50493.800	59505.120
##	[6536]	56169.540	8058.875	18256.600	8475.375	93363.450
##	[6541]	26013.730	97609.350	4668990.000	100713.720	31182.380
##	[6546]	55071.720	18290.030	15597.310	36535.570	15957.410
##	[6551]	9857.290	17881057.000	112990.080	12426.290	14774.495
##	[6556]	100536.200	19833971.000	43925.880	20434.595	8170.725
##	[6561]	121933.200	42024.210	119005.600	42515.600	15330.305
##	[6566]	24198062.000	14126.680	15135.300	31752.100	53146.470
##	[6571]	14691.485	41188.920	15915278.000	33455.640	19575.890
##	[6576]	80394.720	20159.390	61955.820	148570.800	7664.420
##	[6581]	20273.530	43220.640	49962.420	19773.560	35664.720
##	[6586]	14210.270	10112.045	32227.770	33101.560	46297.440
##	[6591]	108361.320	34762.980	37579.750	22961.350	7908.935
##	[6596]	33911.020	26921.130	56668.500	45109.520	126262.120
##	[6601]	15950.430	106168.770	37080.880	31653.010	65498.880
##	[6606]	23822065.000	38364.560	59319.420	114004.840	53152.000
##	[6611]	16945.210	7569.055	44982.740	42311.160	16974.830
##	[6616]	90960.560	20328.250	73049.360	63382.560	108782.520
##	[6621]	30564.650	8216934.000	21862769.000	35329.840	8205.140
##	[6626]	22229.060	44551.130	32955.920	65671.980	19070.065
##	[6631]	28566.010	7698.580	9856.980	39797.060	62953.950
##	[6636]	58162.120	30638.930	8333.545	132314.440	93196.410
##	[6641]	119885.440	88581.480	62646.420	17934.895	102940.530
##	[6646]	142277.720	39994.310	16580.730	30370.090	19740.040
##	[6651]	131165.240	112882.680	98112.030	16582.940	19487.775
##	[6656]	18716248.000	27113.760	32370.600	31638.500	19123.560
##	[6661]	115810.560	19815.440	122426.200	16383.260	35229.280
##	[6666]	34566.000	48646.500	8376723.000	42265.530	20479.750
##	[6671]	23550326.000	37731.420	8381.195	44657.680	12860.695
##	[6676]	107193.880	21558621.000	25994.560	125456.440	46107.160
##	[6681]	30383.360	15862.010	59247.000	78208.960	19797.560
##	[6686]	32579.000	75306.680	91019.190	3234780.000	25433.400
##	[6691]	18738.440	48615.220	17816.790	19606.680	23317.740
##	[6696]	17286.510	17260.570	77245.470	8220.625	80027.680
##	[6701]	94639.110	21252.830	59453.480	77095.800	43729.320
##	[6706]	33208.010	82934.760	31226.770	107280.660	10796916.000
##	[6711]	157299.480	28420.920	17844.810	152947.120	47458.540

##	[6716]	29258.690	32669.330	21153.980	71842.800	19890.140
##	[6721]	39057.080	8265.300	17965.720	49675.380	41360.300
##	[6726]	42474.480	71111.100	92561.200	18066506.000	26693.060
##	[6731]	16310.840	19077.250	5762744.000	28105.590	148729.120
##	[6736]	58765.530	22125.960	75354.480	60106.110	30815.440
##	[6741]	35139.270	20986.840	20908.120	90783.750	56387.920
##	[6746]	17943.380	41771.880	53876.880	87629.700	14539.010
##	[6751]	56270.460	3376756.000	17560.740	30412.850	9999.420
##	[6756]	133424.520	22407.570	140357.320	11777816.000	66061.040
##	[6761]	38493.680	64425.780	1078026.000	147048.800	21662.395
##	[6766]	125854.120	64815.640	94609.020	8750127.000	28352.240
##	[6771]	18884552.000	9857.680	33002.230	27597.710	15875.550
##	[6776]	19667.730	38049.960	85721.820	21060.630	122658.640
##	[6781]	66250.640	17258.715	15251.190	16046.490	121503.720
##	[6786]	128501.800	8308.130	25527.320	31029.870	31501.870
##	[6791]	131488.440	10189.235	15108.070	45675.000	35662.880
##	[6796]	7807.285	132265.360	27305.930	17794.980	25145.360
##	[6801]	8373.240	14505165.000	34433.040	7235378.000	20616.630
##	[6806]	32842.440	9155.455	40115.260	14834.980	35871.700
##	[6811]	58955.560	16962.910	28582.040	14544.270	19895.900
##	[6816]	8204.110	45033.540	17613.490	52454.790	43062.540
##	[6821]	84127.960	21301.190	14390.160	62854.980	17951.715
##	[6826]	35812.340	83204.520	138395.000	79172.080	54491.840
##	[6831]	17224.395	38310.600	125264.960	97536.090	16678790.000
##	[6836]	106928.840	39829.000	21623.465	11831701.000	35416.640
##	[6841]	88744.900	88799.780	58604.320	70164.900	46855.170
##	[6846]	60986.490	60986.490	19181.270	70256.940	29170.780
##	[6851]	23883.280	9635.555	74961.780	11654.425	18276097.000
##	[6856]	179193.760	150755.480	90216.750	44184.710	578236.000
##	[6861]	36665.050	580744.000	17247.710	21945.825	28278.990
##	[6866]	68590.020	48008.070	15383416.000	70544.380	17815.585
##	[6871]	27109.790	67104.120	38165.060	21596.820	22147.105
##	[6876]	48830.760	11421.510	44820.080	37993.120	14856.350
##	[6881]	267236.000	56135.160	33476.830	32749.150	118036.280
##	[6886]	53672.940	35292.240	32827.250	20179076.000	52338.570
##	[6891]	7980216.000	15975348.000	7080.700	37062.360	18550.400
##	[6896]	10777.430	72079.520	56200.530	97976.080	15978123.000
##	[6901]	39126.010	40835.650	41813.180	56990.600	32464.100
##	[6906]	135550.880	22723.190	84602.380	13363794.000	14128.410
##	[6911]	8461.285	73338.120	26938.020	15096047.000	15692.350
##	[6916]	68451.120	19823.565	33980.480	16259.845	35124.990
##	[6921]	12679.725	8143.805	43133.850	116268.160	76801.360
##	[6926]	21663.610	18146.260	15444.650	32766.460	32085.890
##	[6931]	8705.960	24858.670	9695.470	31604.580	34751.530
##	[6936]	15589.340	32829.620	121238.400	19602.220	28638.970
##	[6941]	27172.310	18285.060	60759.540	8770.725	54650.720
##	[6946]	71716.560	138613.480	18670.980	90789.210	5101781.000
##	[6951]	34215.860	16066.290	8590.155	29895.530	18746.950
##	[6956]	145380.880	94511.760	12032406.000	8938.070	10095.545
##	[6961]	97266.300	34945.160	15908.460	34800.240	71825.980
##	[6966]	41290.290	42960.390	10037.855	34769.180	18703820.000
##	[6971]	17017165.000	58346.360	19070.620	15926.285	90133.590
##	[6976]	15709108.000	7609720.000	18613.045	35223.940	36101.730
##	[6981]	89384.910	16017.570	88027.620	136582.040	70045.840
##	[6986]	31751.830	34279.210	33235.400	142496.120	14433.940
##	[6991]	35081.490	17642.100	16285.005	40000.960	59125.920

##	[6996]	12505.600	113238.840	167075.680	104929.280	120948.160
##	[7001]	58770.120	11877.735	27964.680	21931.995	53352.600
##	[7006]	53352.600	42395.160	14099.520	30739.300	9656080.000
##	[7011]	53387.880	17794.505	60422.060	112095.720	24577.480
##	[7016]	37482.980	33787.300	75506.420	142081.480	17733.320
##	[7021]	63983.160	33057.460	41729.080	68911.260	13129.295
##	[7026]	19243.900	35758.390	104562.720	22953.950	14780.710
##	[7031]	107688.400	62792.100	62792.100	35296.320	17893.360
##	[7036]	54539.520	37937.560	132003.960	73606.160	41691.160
##	[7041]	59641.500	50573.820	50573.820	11900.030	17046.750
##	[7046]	116680.840	27020.670	26554.520	22956124.000	21555.500
##	[7051]	166102.800	39832.820	57906.800	144388.360	31729.380
##	[7056]	82382.620	35397.980	45536.430	47725.980	81864.560
##	[7061]	30632.940	62859.180	14944775.000	45366.270	15522.740
##	[7066]	136556.440	63484.240	29508.410	128515.520	7309.155
##	[7071]	42534.990	9821410.000	80877.720	60340.080	32991.920
##	[7076]	21578.690	32897.910	77020.760	22704677.000	16921.670
##	[7081]	61281.600	120174.400	107765.700	61783.380	20588.450
##	[7086]	47817.320	14320.270	87263.220	33907.860	17027.440
##	[7091]	37261.310	11514.085	15824.930	28762.680	32853.060
##	[7096]	48658.290	125982.480	16644.790	1893725.000	61739.800
##	[7101]	40377.890	7621.800	14532812.000	35208.200	4020402.000
##	[7106]	58820.440	108143.550	23159003.000	53564.880	28061.520
##	[7111]	114614.880	43319.960	63258.900	33868.830	57842.040
##	[7116]	31848.720	129204.920	70260.200	50643.180	50643.180
##	[7121]	90729.480	17912.650	7829.225	68824.420	111755.600
##	[7126]	33827.580	14585775.000	73140.380	63515.920	32072.420
##	[7131]	7680.080	6561397.000	33000.460	68488.880	80918.140
##	[7136]	135907.480	62237.130	142743.400	18002357.000	13627.925
##	[7141]	17476.370	80983.640	127883.400	20234.930	30411.900
##	[7146]	10041.885	72790.920	87502.530	35659.070	78749.900
##	[7151]	27909.810	128429.680	35234.990	117019.200	45917.000
##	[7156]	27395.530	25784.650	14295.470	100310.080	98313.120
##	[7161]	36479.270	61627.350	61627.350	19577.155	17082.685
##	[7166]	145168.960	22269.090	88783.920	26030.030	23229157.000
##	[7171]	32244.750	16907.700	9385.190	16942.390	63876.620
##	[7176]	14184.330	28638.100	17200.970	33405.740	77460.200
##	[7181]	29674.930	19426.810	14595.600	93312.330	76154.560
##	[7186]	32959.870	39420.540	28766.280	28097.200	128938.950
##	[7191]	11176.270	20703498.000	70802.280	14366.560	39145.960
##	[7196]	19853.400	66610.280	11391.830	28637.080	106309.800
##	[7201]	101114.730	15837.310	11126.925	11954.335	68984.840
##	[7206]	122178.930	120497.520	119016.880	91870.710	95310.030
##	[7211]	20736.070	15534418.000	159958.320	28793.490	106444.680
##	[7216]	49732.350	49732.350	35851.390	62799.480	40883.920
##	[7221]	74270.800	20188.330	47868.740	36913.880	71015.070
##	[7226]	71015.070	15669.870	98839.200	30953.510	106122.030
##	[7231]	60498.600	30931.160	119706.200	44295.540	18114.350
##	[7236]	24771.940	10210.735	68529.920	4548347.000	59240.000
##	[7241]	15898.590	29132.580	57101.100	28062.390	25434.130
##	[7246]	22292.160	84169.920	36463.700	82995.820	66012.280
##	[7251]	21958247.000	72524.200	118184.920	7518.710	61711.890
##	[7256]	14387.880	35938.450	45188.520	30839.770	52462.420
##	[7261]	172778.160	83265.720	18385.230	42366.000	46230.260
##	[7266]	113196.540	8555.320	95949.400	35185.560	30695.120
##	[7271]	23784659.000	61102.780	23667.290	40290.470	44447.880

##	[7276]	17963.450	57626.340	15131.600	83859.840	73871.320
##	[7281]	8514.715	68893.590	37819.130	11571159.000	33726.600
##	[7286]	13772045.000	78984.460	9531.250	20730.150	9732620.000
##	[7291]	89342.580	29374.770	115649.520	31263.700	30936.690
##	[7296]	2754100.000	8984.620	52385.580	20662.840	139144.840
##	[7301]	29313.300	33891.600	40196.900	20318.970	16784.740
##	[7306]	8475.640	83384.200	85760.850	80661.320	79657.000
##	[7311]	79708.890	14363.230	16479.140	25389.260	92705.840
##	[7316]	46841.920	19433.480	47456.320	18419.570	30976.750
##	[7321]	61043.610	68078.600	88709.790	43900.020	17399.430
##	[7326]	72886.080	16474.490	20247560.000	25838.550	9662.195
##	[7331]	11850.985	30022.710	9221.270	47406.220	89891.430
##	[7336]	89891.430	125155.200	18675.650	14566.335	15990.655
##	[7341]	7160.960	125280.360	113085.870	61035.400	132123.840
##	[7346]	36802.820	121962.900	20043.260	28360.500	17468.190
##	[7351]	19091291.000	179078.280	82659.320	119809.720	73971.160
##	[7356]	14168.200	87314.670	16372.120	21834.105	52205.880
##	[7361]	16449.270	18314.090	14995.290	19363.330	29655.220
##	[7366]	116346.930	74766.860	162590.560	15153.540	115735.760
##	[7371]	14914.250	9134.400	44288.580	38561.330	70968.800
##	[7376]	78094.280	78676.320	155148.360	152078.000	12837.245
##	[7381]	76652.880	41810.590	19082.670	45461.540	32995.780
##	[7386]	36154.220	54430.710	12920796.000	21469.245	20302665.000
##	[7391]	128349.750	21590170.000	20875.670	11164500.000	429751.000
##	[7396]	44620.480	35540.740	63978.720	50814.280	30660.860
##	[7401]	64871.140	89256.750	43913.460	17164.130	170502.520
##	[7406]	60244.720	14231.420	16520.865	20127.720	48259.380
##	[7411]	28866.940	15475.910	16897.530	77047.400	178113.840
##	[7416]	101855.880	6743776.000	24688.880	29985.200	28070.620
##	[7421]	15058269.000	18060.640	32394.770	145056.640	33271.740
##	[7426]	79710.090	65635.120	8453.490	106602.630	56227.470
##	[7431]	55735.620	57829.740	14388.680	40639.060	114597.040
##	[7436]	15591.370	21114.950	8940.905	45012.720	6001316.000
##	[7441]	60195.360	10172.300	31680.740	9389.100	32200.640
##	[7446]	62574.160	21440.930	7371.050	15366.215	79829.600
##	[7451]	47828.670	64122.840	47504.490	10389.320	15777.945
##	[7456]	5709370.000	10079.865	66519.630	36868.130	43549.860
##	[7461]	81165.560	126732.600	104946.480	128502.390	8898.495
##	[7466]	62458.770	34188.050	1234414.000	51568.110	14920.970
##	[7471]	21595.875	26029.410	107808.630	86418.720	18290.890
##	[7476]	9400.430	9900.000	17916.460	35891.330	38197.250
##	[7481]	17271.525	15620.910	133180.710	19369.960	9968.500
##	[7486]	105295.080	68611.440	30738.510	7187.170	76079.160
##	[7491]	30111.300	57617.880	20346.150	29378.060	15659.780
##	[7496]	27947.420	12382.940	98638.160	20849.950	37452.590
##	[7501]	66074.920	32033.290	28023.540	30784.670	433922.000
##	[7506]	165368.560	115086.600	17599.480	48644.800	28747.250
##	[7511]	15496.420	57502.500	86865.840	23923.540	73226.600
##	[7516]	36760.860	28059.970	14160.580	43428.470	40636.560
##	[7521]	88556.580	11603.810	14840.500	65163.000	79556.370
##	[7526]	66995.860	31185.980	25290.870	69637.240	17199.795
##	[7531]	85653.960	20455.920	16549.780	11018596.000	7832.295
##	[7536]	8886.055	83823.220	47984.190	31700.300	58871.280
##	[7541]	17074.510	21131.710	20637.200	122922.240	89913.090
##	[7546]	81223.360	20022143.000	59861.200	18292.210	131121.750
##	[7551]	7567.630	14679.830	37467.180	46586.800	34744.150

##	[7556]	69194.980	55339.560	20590.480	9908330.000	95460.810
##	[7561]	7414.145	2067041.000	37024.700	92650.200	30375.050
##	[7566]	34710.600	86210.790	86210.790	39513.840	30352.110
##	[7571]	63199.960	93890.610	21001.620	29879.430	17559.880
##	[7576]	60287.610	154868.240	8736.190	13762.450	34435.820
##	[7581]	26690.130	59789.000	23129.880	60340.020	16640.350
##	[7586]	20804.180	43200.900	17397.560	104994.330	13139.385
##	[7591]	84833.620	21178.310	122053.200	16365.590	17238.110
##	[7596]	65929.120	15334.130	69136.540	61976.440	22063213.000
##	[7601]	87416.520	16340.120	60878.970	19723.820	14674.175
##	[7606]	14332.030	16133.430	61737.940	160350.400	7471.910
##	[7611]	61756.520	12766.425	22032.320	60271.920	10917.655
##	[7616]	20355.230	14115.220	43501.950	21342124.000	20762.970
##	[7621]	9238.240	57326.490	61627.000	106215.040	11388697.000
##	[7626]	93529.050	16909.090	43610.130	60335.250	26922.650
##	[7631]	28356.180	24372.880	24881.150	72152.800	8339414.000
##	[7636]	26908.250	32919.120	16077755.000	40656.600	53143.170
##	[7641]	172534.160	34315.710	70686.440	31280.630	14031.250
##	[7646]	17015.660	10307.970	105675.600	36368.550	28150.720
##	[7651]	12975.960	45780.860	158604.000	28184.280	24974.350
##	[7656]	9979.875	19205.485	19891.580	114082.640	30247.700
##	[7661]	18207.375	56340.600	62571.840	81334.680	36274.170
##	[7666]	21225262.000	61883.440	59703.460	119402.640	40740.440
##	[7671]	7750.735	8693.970	76040.820	8922.155	18191.860
##	[7676]	39630.920	32086.380	14562.320	58962.200	35022.760
##	[7681]	30910.680	19956.750	12686969.000	49116.740	126578.800
##	[7686]	38218.300	73128.000	19669.560	147894.560	142204.080
##	[7691]	127594.920	15131.110	63733.540	12815981.000	20137.560
##	[7696]	167258.040	10142.545	59513.440	40331.050	42586.460
##	[7701]	9533.995	33729.280	80857.560	40314.540	68214.900
##	[7706]	20365.570	23767.590	48819.340	80574.120	18140.575
##	[7711]	3865040.000	34860.050	18145.220	18753.340	60363.500
##	[7716]	15807.590	37688.550	16268.510	30625.940	15383.460
##	[7721]	19506.720	56381.600	7056.405	70943.860	32520.930
##	[7726]	14297.720	102745.400	161006.320	31217.340	63213.120
##	[7731]	68354.840	35531.830	23838.090	73062.600	64341.360
##	[7736]	28825.730	22015.680	35805.250	51660.420	61016.880
##	[7741]	68103.810	119223.090	14394.435	34797.740	17840.720
##	[7746]	67648.360	33930.630	17169.365	115023.360	60214.040
##	[7751]	29041.400	16665.490	9411733.000	10007894.000	20028.040
##	[7756]	14947.380	37482.370	19140.250	19286.260	38904.520
##	[7761]	71716.600	32021.480	7282.885	9728.580	11845938.000
##	[7766]	106839.090	28005.440	55670.070	15349.540	44577.260
##	[7771]	113105.100	61169.820	11766033.000	61169.820	79642.860
##	[7776]	17182.500	103938.160	1392389.000	19543.440	121944.200
##	[7781]	44328.220	15814.770	39859.720	15427.215	73509.020
##	[7786]	16348.870	7711.970	54568.920	22195.605	61064.080
##	[7791]	36127.640	61224.330	23794.070	94811.360	58427.310
##	[7796]	32543.380	18005.410	22591321.000	141952.760	34838.940
##	[7801]	82651.740	21699.130	8135.920	1528590.000	35942.960
##	[7806]	18102.960	21434.200	14990.045	73420.920	10339.530
##	[7811]	8299495.000	82134.440	33189.020	9069.980	52561.620
##	[7816]	7979.775	61614.900	10496.255	100674.660	9481.025
##	[7821]	48706.100	53860.980	105829.080	121197.900	73985.120
##	[7826]	122105.640	22945284.000	81571.880	71391.780	65455.160
##	[7831]	70277.220	49077.120	140114.000	19462.470	108818.200

##	[7836]	12098252.000	18995.540	108625.290	41982.880	14473189.000
##	[7841]	8284.830	68861.360	17849.000	16733.850	94031.700
##	[7846]	22239.000	14759.680	23483982.000	33778.420	15724.040
##	[7851]	26939.950	108064.480	21936192.000	18384078.000	18678696.000
##	[7856]	60537.180	8969.265	68900.640	22188.450	92519.610
##	[7861]	41516.640	30061.360	29617.700	44614.560	15301929.000
##	[7866]	14982.630	23467279.000	7200.035	21039.800	17223.875
##	[7871]	87502.050	18324322.000	26523.720	25757.560	113539.440
##	[7876]	18672.765	14274.320	31589.060	47050.410	127581.000
##	[7881]	16142.490	17869.290	69478.760	143552.000	49460.160
##	[7886]	8917.805	7284.940	35579.680	39511.000	105239.460
##	[7891]	34076.320	15127.050	34571.530	53127.720	18264.110
##	[7896]	16750.820	68299.040	36439.060	18763.210	21380.065
##	[7901]	24042.680	17296.485	38612.190	74647.470	81170.080
##	[7906]	60595.110	43802.100	85248.150	17621.480	15859.470
##	[7911]	50050.560	32412.720	39206.980	32151.760	61648.240
##	[7916]	17946.850	38458.710	60015.000	17923.435	71830.000
##	[7921]	33531.290	46744.620	51172.620	86200.800	86200.800
##	[7926]	14646.280	106824.680	20823.280	17492.310	146861.120
##	[7931]	20587.960	72760.040	34334.900	96943.470	14143.680
##	[7936]	19181.190	7377250.000	10190.065	34053.280	17092.690
##	[7941]	41734.760	16100.170	104816.560	120333.040	31417.150
##	[7946]	89154.270	14804.080	88918.540	7296.720	82230.760
##	[7951]	16140.325	14817.665	70015.360	33312.690	45127.380
##	[7956]	35664.220	65668.780	8786.870	69279.380	18867.730
##	[7961]	82330.200	30420.880	3061925.000	14562.880	17633.710
##	[7966]	103345.120	94559.730	14089.595	79846.480	36372.210
##	[7971]	59993.320	28817.100	21162434.000	54174.510	16774.540
##	[7976]	10152.935	34134.780	46927.680	37261.780	28488.560
##	[7981]	15451.115	59978.520	93704.190	50352.390	20986.900
##	[7986]	8717.040	33949.420	34640.230	106674.510	6083917.000
##	[7991]	11526.465	72690.440	8707.380	97612.140	14021.495
##	[7996]	6734361.000	71112.840	71878.920	18186.220	53709.660
##	[8001]	161689.720	16465.610	95895.720	8723.565	38821.540
##	[8006]	42519.570	16465.640	4355067.000	69035.640	18295.610
##	[8011]	34620.620	19986.360	20487.100	16399.770	30812.960
##	[8016]	38721.440	19562.270	19132.660	19833.550	57818.720
##	[8021]	95933.680	17902.265	103044.240	8770.030	76019.680
##	[8026]	31950.940	107742.320	59459.070	59459.070	30912.860
##	[8031]	39656.720	54262.340	73678.880	32061.940	24177153.000
##	[8036]	60330.120	122028.480	140770.160	22425.520	19656.960
##	[8041]	52116.660	89057.640	17366.080	13461.250	24675.860
##	[8046]	19418.475	15991.020	15629722.000	30477.200	22159.950
##	[8051]	6262195.000	72740.960	47686.050	95529.280	38955.500
##	[8056]	135049.840	38899.920	46390.560	7315.235	6791745.000
##	[8061]	8006694.000	75857.600	35532.880	116184.440	10702.830
##	[8066]	97351.800	41754.920	71746.680	101671.760	73937.620
##	[8071]	57107.440	7326.605	32073.310	16620.755	50109.760
##	[8076]	87078.930	87078.930	38666.020	17086.730	17810.500
##	[8081]	33775.160	28562.060	36850.650	18120.720	89291.910
##	[8086]	70154.850	15835.495	35917.160	143239.840	88363.860
##	[8091]	28771.760	88245.740	56313.960	31707.730	78658.160
##	[8096]	112812.240	73300.880	17434.780	115736.920	30984.660
##	[8101]	67791.980	21772312.000	50253.000	32753.050	16618.170
##	[8106]	99664.980	18322.560	14707.375	60226.160	72604.480
##	[8111]	21989.265	39244.260	21905.095	17337.800	38643.040

##	[8116]	73600.260	28549.940	9844.975	28475.190	10542.045
##	[8121]	18796.030	43960.190	31788.050	18666.560	44986.310
##	[8126]	16691.320	63597.740	19768015.000	62096.310	60856.600
##	[8131]	12524.625	21467.560	74394.200	16792.325	109370.550
##	[8136]	57813.390	44871.860	81126.780	85770.420	125898.320
##	[8141]	132082.170	23956.270	17535.570	53177.820	71846.320
##	[8146]	33121.690	31115.760	32434.640	9416591.000	43044.010
##	[8151]	106525.290	54352.230	38436.680	67863.920	19266.770
##	[8156]	34982.690	34106.580	32710.620	17995.830	34899.220
##	[8161]	92114.680	30789.410	57889.440	38842.500	48494.550
##	[8166]	53770.110	112030.920	3797935.000	71756.200	36140.120
##	[8171]	65319.320	21966803.000	73584.000	44382.880	102432.510
##	[8176]	110607.090	58918.470	100555.860	100555.860	144342.800
##	[8181]	4313611.000	10004.805	115105.560	57539.960	73317.720
##	[8186]	17908.150	93790.650	21752116.000	73340.480	14439.780
##	[8191]	38839.220	19662.270	20653.250	32061.520	16509.010
##	[8196]	34666.020	15312179.000	21553.810	30174.030	49661.100
##	[8201]	49661.100	16955.675	117201.390	117201.390	10485.620
##	[8206]	18463.930	24778.800	68948.320	19183.530	50807.440
##	[8211]	56784.540	160930.320	25703.340	7295.715	151437.080
##	[8216]	43790.400	14888.915	100465.140	16697.830	20090.020
##	[8221]	94256.480	13000.735	18500.540	70973.320	121233.510
##	[8226]	75773.200	48657.420	70956.800	97590.150	44632.440
##	[8231]	35317.810	37353.580	676981.000	13864.835	83552.120
##	[8236]	15746977.000	43268.790	108638.760	32198.230	138920.840
##	[8241]	7577.175	10318159.000	28431.060	145932.040	86668.740
##	[8246]	14535.305	66189.240	17642.275	20560.130	21578233.000
##	[8251]	14226.810	20501.070	98544.990	71518.920	16196.665
##	[8256]	18123.675	90541.710	71267.180	17692.260	20803030.000
##	[8261]	82928.040	53579.040	36693.660	33189.630	79494.400
##	[8266]	11190233.000	112484.680	39870.010	75455.340	61131.360
##	[8271]	28045.820	20538.770	20484634.000	27324.700	35149.100
##	[8276]	21735527.000	11084744.000	86171.520	9944.365	19567220.000
##	[8281]	9846.715	16212.015	50295.360	126004.200	21412.855
##	[8286]	16580.690	22413.530	74829.560	108142.140	108142.140
##	[8291]	18776.840	140271.400	21001046.000	128363.640	12399758.000
##	[8296]	25580.340	134596.350	116624.400	40430.920	121041.210
##	[8301]	71936.880	18770.300	7604.185	35511.530	26408.130
##	[8306]	42731.900	33701.990	50608.230	8675.570	99984.480
##	[8311]	34413.760	8356.440	8128.065	65522.840	18125.810
##	[8316]	15363.220	13691.910	97324.830	15629.225	88325.840
##	[8321]	41975.000	40759.860	8291.510	56101.000	74732.960
##	[8326]	19532.060	85455.060	57132.480	41810.620	32077.740
##	[8331]	32030.690	19338.105	12613.920	100884.810	34767.120
##	[8336]	88069.620	43925.790	16423846.000	18630.470	48496.740
##	[8341]	9133.965	27987.500	16380.325	15907.450	14120005.000
##	[8346]	48423.150	82816.480	34269.740	21511365.000	58564.620
##	[8351]	23848.020	16559.985	64915.920	28647.750	18355.270
##	[8356]	41757.440	79264.860	24008957.000	60379.280	29735.220
##	[8361]	7023.160	20374.590	119875.350	15671489.000	63115.540
##	[8366]	171572.160	33559.260	7309.600	28681.950	162688.280
##	[8371]	84050.500	18995.115	73773.480	48305.180	15668.400
##	[8376]	10494.440	38047.310	7889.110	69895.560	43922.320
##	[8381]	58728.060	50657.580	14013.165	21960.095	15081.420
##	[8386]	120404.220	14432.870	35911.330	127160.940	8446.240
##	[8391]	16931.700	15685.095	21585.130	93898.050	124564.600

##	[8396]	95596.350	82194.020	130173.930	36549.680	15381.590
##	[8401]	55235.760	69905.360	42235.770	10651.650	17641.870
##	[8406]	43183.560	19677.000	9667.645	116156.100	70913.400
##	[8411]	29043.010	20251.960	16290256.000	150256.720	17153.690
##	[8416]	32420.820	145175.400	106882.840	99363.880	58176.600
##	[8421]	58176.600	9221.875	14528.370	61181.880	13961.155
##	[8426]	67691.120	20884.580	29570.450	110138.400	21292636.000
##	[8431]	11169.595	11688.930	67413.200	25659.340	20574.870
##	[8436]	73366.360	82405.980	17307708.000	30804.390	19148.930
##	[8441]	85583.020	10945598.000	121698.480	65735.460	20940.640
##	[8446]	17732.920	150625.480	18708.730	79090.740	52754.280
##	[8451]	35917.340	11924.590	108457.740	7709.355	84001.660
##	[8456]	42121.920	19489.280	18729.060	21370.185	115724.400
##	[8461]	28623.510	57872.700	36825.110	28835.680	88062.280
##	[8466]	17097.565	61035.390	19949.340	21929287.000	14828.190
##	[8471]	81583.000	37605.040	40739.490	23498432.000	86255.800
##	[8476]	17217909.000	15382.875	34565.730	57260.500	135200.120
##	[8481]	19433157.000	177947.280	14667.260	33346.920	91223.480
##	[8486]	122434.230	21207973.000	44143.080	33732.000	7472.540
##	[8491]	60865.050	50794.180	16873.115	18538.550	37679.190
##	[8496]	57738.060	59714.200	19192.140	34996.860	20833.080
##	[8501]	62008.350	17831.050	77565.570	29346.170	20184553.000
##	[8506]	136726.680	21884.000	65410.680	19695.090	36379.240
##	[8511]	17228.775	97635.870	23265.780	82183.340	14146.590
##	[8516]	10525.355	19633.030	44895.610	20175.440	15125.640
##	[8521]	112924.720	17075.220	98136.720	24879.050	95685.210
##	[8526]	89937.720	53451.480	9566.580	16726.620	62616.990
##	[8531]	7890.515	20946.940	67218.980	132284.670	9249827.000
##	[8536]	19375.760	8137.580	179239.600	22171.250	29647.920
##	[8541]	30296.000	41391.060	26065.910	8291.845	99337.280
##	[8546]	10197.525	109901.580	20039.580	14728.210	24390.290
##	[8551]	32125.540	39135.000	73020.540	16310.210	16227.030
##	[8556]	17565.580	58609.640	23054.080	18265510.000	63402.200
##	[8561]	16021.140	29704.640	27738.990	132727.920	31816.070
##	[8566]	59893.260	177846.680	63523.480	56751.720	132324.180
##	[8571]	11393623.000	66882.740	124534.380	21854664.000	14542.300
##	[8576]	24446.050	146729.640	30386.200	30117.420	30560.730
##	[8581]	15785.040	132370.200	63371.560	18504.720	49652.520
##	[8586]	7876839.000	89864.280	131253.810	1942262.000	73948.040
##	[8591]	139631.080	68474.640	127708.480	9737.045	16416.380
##	[8596]	160057.960	35255.260	118717.640	44264.410	31346.220
##	[8601]	93622.500	76726.640	74203.380	9950314.000	137048.560
##	[8606]	21765.990	7844.045	73665.330	36178.940	62016.760
##	[8611]	2527694.000	12421.120	42387.540	87939.040	29375.680
##	[8616]	40735.300	29709.730	8477.510	38047.790	74264.920
##	[8621]	73937.400	72307.320	27621.230	167664.880	18083.640
##	[8626]	60362.880	14968.480	36229.540	39910.480	1729447.000
##	[8631]	33199.800	144686.000	47183.940	10439561.000	31589.900
##	[8636]	107572.720	7353435.000	104428.080	11066005.000	51211.260
##	[8641]	106694.820	9654227.000	33131.600	9615.095	18184.810
##	[8646]	67978.800	72301.620	24755.990	7292864.000	68926.360
##	[8651]	58558.860	100358.730	62200.600	40341.380	30773.870
##	[8656]	126253.650	15682.145	57847.100	28485.760	21578.575
##	[8661]	58372.920	50010.900	16970.750	36446.260	8605.540
##	[8666]	16678.770	7881596.000	56425.600	33127.310	57724.360
##	[8671]	37813.290	5368990.000	102046.830	42664.560	87876.270

##	[8676]	15363.115	14613.650	58170.760	122782.950	14953953.000
##	[8681]	35263.090	59226.150	125049.780	40575.260	115104.720
##	[8686]	32167.360	56414.520	30256.850	66289.360	22477833.000
##	[8691]	15566.550	65047.530	14709.335	15806.840	8391053.000
##	[8696]	19621.940	70554.220	127672.240	19617.020	29951.570
##	[8701]	16477.550	30874.430	8171.110	37612.540	17443.940
##	[8706]	31199.430	17096.250	475717.000	56089.950	17971.000
##	[8711]	19104.750	125977.600	134124.000	34613.160	122135.120
##	[8716]	60530.700	17426.710	116098.120	71203.400	15576.360
##	[8721]	87438.030	125179.950	18189740.000	20723.800	118151.160
##	[8726]	35854.310	81259.360	13207.760	65544.120	33498.800
##	[8731]	35389.890	57810.680	17214.010	133628.520	81538.760
##	[8736]	40626.050	7710.840	73047.960	21800480.000	25773.730
##	[8741]	17685.730	31944.720	15005.310	57563.940	60323.340
##	[8746]	56052.420	18374.320	17951.300	19047.360	103136.760
##	[8751]	69563.340	16176.835	40896.900	4054075.000	21115.990
##	[8756]	83332.880	144446.720	14957.520	39110.820	12395391.000
##	[8761]	80595.480	87337.080	18331.415	55877.540	29663.560
##	[8766]	31527.530	14311.590	75569.100	24859.960	164189.480
##	[8771]	18153048.000	45848.860	34199.940	36186.850	106002.320
##	[8776]	37824.960	9607.530	92459.100	68917.940	75436.720
##	[8781]	28690.970	9464.405	64416.460	7991.330	7798.790
##	[8786]	11949.505	32300.850	952323.000	29902.220	78096.390
##	[8791]	56580.630	28472.920	11183.865	143829.160	45827.740
##	[8796]	20161625.000	20668.710	10316.450	20785.410	16481.715
##	[8801]	16826.495	9622.625	17059.210	39369.680	18490.140
##	[8806]	19556.160	19396.500	20417.480	76689.800	14759.530
##	[8811]	16293.385	43995.490	57864.600	106520.680	16956.720
##	[8816]	52830.000	16274888.000	50600.010	67818.860	10805.560
##	[8821]	83210.280	19975.130	77672.340	70097.540	52639.650
##	[8826]	62827.470	37443.810	15135.960	25990.160	80230.680
##	[8831]	88402.960	106529.800	6605051.000	39491.260	29777.300
##	[8836]	74961.720	39979.960	72412.840	34486.080	36966.760
##	[8841]	12875.730	12860.845	22283.070	124296.270	36898.380
##	[8846]	34319.660	32265.260	29988.930	32078.720	10265.690
##	[8851]	18426.025	17756.420	34689.260	42735.930	63851.240
##	[8856]	47400.200	8400.715	83164.800	83164.800	18949.070
##	[8861]	56539.040	36104.820	18769.100	40193.940	8128894.000
##	[8866]	19685.130	77104.470	13008452.000	61211.960	27759.320
##	[8871]	31722.090	113384.820	21426.130	14180.480	29819.420
##	[8876]	71676.000	40067.960	46951.020	131701.120	71617.920
##	[8881]	17196.440	32473.320	136399.960	123665.000	28332.510
##	[8886]	7546.680	85062.630	26175.520	38655.100	79050.880
##	[8891]	88668.810	14878.675	123388.830	9955.465	25444.950
##	[8896]	67271.240	16720.200	18369.330	31897.350	62348.460
##	[8901]	146399.880	18010485.000	21787.630	81506.320	28169.690
##	[8906]	16770.910	23727.450	19519.660	59843.070	88203.740
##	[8911]	75992.700	86015.160	86093.400	60919.840	19852.320
##	[8916]	41481.820	19297.280	53467.470	17127.300	36243.050
##	[8921]	4546720.000	38007.660	123523.600	36996.830	16860.705
##	[8926]	12670738.000	17174.670	9231973.000	76324.680	49657.920
##	[8931]	60364.080	35295.070	32933.440	15476.640	68636.440
##	[8936]	33446.440	51411.100	125033.000	33890.200	53084.070
##	[8941]	21950698.000	20073385.000	70391.920	14792.570	66679.560
##	[8946]	126780.480	40165.720	9126.455	56687.560	39849.720
##	[8951]	101996.790	107808.000	20606.320	15678.385	22641761.000

##	[8956]	35733.380	18425.600	77001.360	46485.270	37963.160
##	[8961]	69209.850	31318.220	18228.670	26838.730	50545.740
##	[8966]	66693.510	20395.540	19480.040	111188.040	7477.175
##	[8971]	1888622.000	105740.970	172952.320	31941.880	9654.115
##	[8976]	17312.450	16955.240	108268.230	16041.330	71530.800
##	[8981]	15186.175	26918.640	120629.040	170008.720	9829.665
##	[8986]	21904611.000	57353.160	83627.120	7361.645	14938.010
##	[8991]	54670.950	67092.510	15549.060	53979.120	61056.300
##	[8996]	44942.230	83923.240	16827.150	42321.500	8637.875
##	[9001]	58184.670	20101.360	48434.660	19604.350	21112.760
##	[9006]	36898.440	67106.790	30710.590	57921.740	99161.820
##	[9011]	15298.940	35198.010	68281.180	12761.210	85084.800
##	[9016]	55120.880	43016.700	14269.420	102339.960	19323.400
##	[9021]	40807.770	36338.780	67204.100	17810328.000	16185.630
##	[9026]	33042.480	123800.800	17079092.000	79824.640	14656.680
##	[9031]	61936.880	33718.860	70646.640	153147.640	51370.170
##	[9036]	62995.920	32808.090	57246.800	22598167.000	18754.650
##	[9041]	23987.590	106949.490	14528.810	15217.590	16701.960
##	[9046]	3933159.000	113284.840	12019031.000	11032.075	56070.920
##	[9051]	24460.960	9269.990	67039.600	17328.675	28378.940
##	[9056]	35342.980	45764.140	10186.260	110557.080	57303.360
##	[9061]	15618.520	39477.340	41435.260	18124.175	14417.710
##	[9066]	72629.120	14702.050	70968.060	34058.470	22914.660
##	[9071]	64175.560	15971.515	52837.290	16406.080	80633.220
##	[9076]	8787.900	54265.540	88296.180	67408.060	28274.640
##	[9081]	100697.640	28378.530	43171.590	33717.920	17055.610
##	[9086]	8392.645	64845.800	125027.240	59375.220	26305.910
##	[9091]	33799.360	20886.730	17640.420	19850.310	56622.300
##	[9096]	16540.950	43269.350	105596.280	12928.240	111404.520
##	[9101]	7110.930	65536.740	19200.080	17645.660	9311.995
##	[9106]	8139.495	32757.760	16596.385	79630.140	22222.150
##	[9111]	45472.200	57953.820	17446268.000	57953.820	40369.070
##	[9116]	12252197.000	33181.300	179166.480	32972.800	7632.555
##	[9121]	27223.100	33574.440	34798.820	26460.700	28975.420
##	[9126]	49405.920	175972.000	105151.320	29902.720	99573.120
##	[9131]	39453.740	75988.680	46256.340	8057.430	13364136.000
##	[9136]	22815.000	61350.480	34700.160	7788.985	2167291.000
##	[9141]	88165.120	107591.790	32394.380	67082.160	68367.800
##	[9146]	17670.520	42337.390	73530.480	38269.830	27240.070
##	[9151]	15120.000	32377.380	49880.680	1134830.000	19963.970
##	[9156]	8393.960	106790.320	20063.560	29410.640	29416.810
##	[9161]	30195.470	8983.515	110437.200	39928.500	18282.340
##	[9166]	27138.970	9081.535	83132.280	36270.250	37361.020
##	[9171]	41709.640	9967.820	44083.280	82565.520	39561.480
##	[9176]	18122.590	21082014.000	83453.720	16718.645	51266.340
##	[9181]	100188.840	104849.820	151373.040	141262.480	63528.700
##	[9186]	19470804.000	29948.760	35848.820	34733.440	20843.430
##	[9191]	20730.550	14619.585	65085.760	90370.960	111117.600
##	[9196]	22502.240	33836.130	18965.080	29768.440	20056517.000
##	[9201]	44928.270	8357.980	9771.770	43825.160	10340.695
##	[9206]	116780.600	79300.220	139291.920	25696.650	38650.730
##	[9211]	124020.440	1314226.000	33740.620	9848.320	29669.280
##	[9216]	60314.220	80132.130	9869.175	63675.120	90292.280
##	[9221]	21454.790	23621.480	23939.930	141477.560	21338.550
##	[9226]	17532.550	9807.790	66252.000	35075.330	24326.280
##	[9231]	17914656.000	74248.720	17039.415	21523.025	22803.840

##	[9236]	9555.665	31016.600	20357.290	15012905.000	10460.245
##	[9241]	152796.760	38735.570	79524.640	35358.150	87078.480
##	[9246]	35812.370	18702.500	14220.280	69712.460	98227.080
##	[9251]	177696.920	18048.880	49217.680	99934.890	99934.890
##	[9256]	69332.900	21825.320	14884.290	20828.200	76924.380
##	[9261]	89177.010	14311.415	34975.730	33355.810	8501.930
##	[9266]	34526.090	22143.310	32701.560	48276.660	14634.100
##	[9271]	59134.000	147620.680	32129.000	49650.360	41403.340
##	[9276]	42514.560	78435.640	31439.740	24629.460	16511.455
##	[9281]	8394.570	34087.650	64270.120	9759.375	38726.470
##	[9286]	59102.910	34981.590	10324.260	36661.930	31980.140
##	[9291]	22918.520	45379.770	14076947.000	7724.425	46301.960
##	[9296]	17767.860	121831.000	10355.675	20314.650	62295.760
##	[9301]	59119.740	59119.740	37573.920	21468.160	54060.450
##	[9306]	83358.300	12246.215	49619.700	30984.300	73490.500
##	[9311]	58211.850	58211.850	87477.450	87477.450	118884.000
##	[9316]	15217.100	75476.720	23012.430	82394.160	8165.370
##	[9321]	9743.960	8002.575	146999.240	127253.400	77108.980
##	[9326]	8407524.000	18623.070	16562.550	37045.780	30652.380
##	[9331]	31429.810	33376.810	34570.080	32176.680	13612008.000
##	[9336]	112270.590	123936.160	38992.570	17324.700	103190.840
##	[9341]	15878.090	54426.180	35033.110	9429.325	19540.670
##	[9346]	53643.900	32613.980	94070.200	103316.760	69289.400
##	[9351]	13999.185	70883.440	47521.560	16644664.000	130293.360
##	[9356]	97735.080	33906.160	21897.505	157814.320	33635.720
##	[9361]	12165.520	33133.710	81475.280	19307.900	26861.890
##	[9366]	14834.445	58518.000	115832.240	5626530.000	82969.920
##	[9371]	88818.560	7360.560	20397.510	134951.250	9381.050
##	[9376]	40167.840	19863.680	19608.980	131091.120	17288.425
##	[9381]	38392.870	17651.515	14585.470	31968.280	103495.680
##	[9386]	16048.760	44968.150	61352.640	49963.650	6426079.000
##	[9391]	2716542.000	14067.580	81438.560	35251.490	66949.680
##	[9396]	29715.160	15645.890	5992743.000	15301.710	7871.810
##	[9401]	40181.480	84358.500	171462.560	64752.400	137625.040
##	[9406]	16956.900	41695.760	16106.840	89995.590	20012.870
##	[9411]	16380.170	40702.960	64355.720	38456.200	143829.560
##	[9416]	31467.580	168682.560	84504.510	169710.520	14616.910
##	[9421]	22336.270	132273.750	134327.560	14215790.000	41009.960
##	[9426]	18694.990	95933.640	19204.930	69712.200	43704.550
##	[9431]	35142.570	69240.720	20804.740	18946.070	20759.320
##	[9436]	15725.700	38035.760	14535.490	35075.000	35613.250
##	[9441]	115614.270	7099880.000	92652.090	17135.680	12597577.000
##	[9446]	36984.760	28901.070	17151.190	178283.680	9221.745
##	[9451]	22426633.000	140124.800	136542.080	14471.785	16698.080
##	[9456]	28191.890	38324.720	4493796.000	64404.160	104509.530
##	[9461]	50212.710	75490.220	78626.490	15219.080	42177.900
##	[9466]	74169.760	26454.210	36403.980	66482.200	62804.550
##	[9471]	14739.960	8564690.000	28027.520	2725929.000	17510.865
##	[9476]	84384.960	64269.240	14705.900	71558.720	29627.530
##	[9481]	45144.800	31021.080	125079.040	14173.650	14225.960
##	[9486]	58233.580	100791.570	40305.020	127524.810	7367.110
##	[9491]	16009.600	24482.380	18426.650	21652.195	42877.620
##	[9496]	10077.135	17698.230	32507.890	108205.000	15051.065
##	[9501]	82929.960	48706.590	147519.720	122710.120	34758.200
##	[9506]	83521.240	26405.150	14855994.000	17346.160	16113.890
##	[9511]	150339.960	42355.280	8375.460	28146.260	76887.920

##	[9516]	7531.855	29986.480	15318.095	28849.660	152574.760
##	[9521]	30912.380	58132.120	69061.000	32908.260	61634.540
##	[9526]	33445.010	93131.940	115324.620	41802.420	35771.080
##	[9531]	22192410.000	251889.000	118041.390	65630.660	29357.850
##	[9536]	21177.510	40881.380	18670.220	9283.170	115247.160
##	[9541]	36080.590	19191.520	12423868.000	79016.060	3222388.000
##	[9546]	51582.540	2978717.000	32543.410	84687.540	31748.670
##	[9551]	18323.175	20607.780	70446.630	174226.680	106605.600
##	[9556]	36573.800	57575.040	106615.440	5160088.000	29167.680
##	[9561]	23070456.000	30171.860	30366.040	35822.340	16578.290
##	[9566]	17329.075	90875.560	22431.610	18333.790	7200.005
##	[9571]	107854.840	100097.190	93233.730	10439.970	54667.100
##	[9576]	69324.200	8884.170	9643.265	58210.380	19016.290
##	[9581]	98198.070	19987019.000	40667.320	66095.880	46469.280
##	[9586]	42577.860	60390.800	14618.900	115380.180	131723.240
##	[9591]	49224.840	75291.120	16496.820	44616.700	22978.670
##	[9596]	78769.320	20900.510	40021.110	85724.700	85724.700
##	[9601]	20483.840	10426.840	14174.360	12859.760	19397.600
##	[9606]	12525.745	123941.640	19164.190	22972770.000	34593.980
##	[9611]	71460.320	15599.880	30635.160	95267.490	171126.040
##	[9616]	16108.460	15046.850	79241.120	101230.320	17887.470
##	[9621]	49949.840	14388.790	27356.100	23625.550	47093.320
##	[9626]	86372.430	86372.430	18128.180	93957.360	31122.320
##	[9631]	16232.140	98208.780	19493.510	101785.080	14395.830
##	[9636]	277803.000	9709.325	67672.400	19193.420	143883.280
##	[9641]	38551.090	32635.060	36320.130	57744.680	5797652.000
##	[9646]	28308.780	46174.580	32889.640	130091.080	67101.520
##	[9651]	19551.360	16254.600	58367.360	74614.640	43340.440
##	[9656]	25376.730	117566.960	133538.680	69605.000	95389.710
##	[9661]	47165.440	14958.540	81365.070	8934.615	19358.370
##	[9666]	18964.730	116742.540	24127.220	9260.580	69348.700
##	[9671]	31647.020	17296.940	78244.680	11944.675	30617.620
##	[9676]	47195.190	8744.865	136359.640	21404.240	78113.560
##	[9681]	31049.540	39357.450	119024.040	66149.480	16287.140
##	[9686]	30199.190	20817.920	33461.240	34357.960	30936.760
##	[9691]	31696.730	97549.920	53315.280	71367.500	2201567.000
##	[9696]	28630.010	34534.820	117827.220	7423.970	16864.180
##	[9701]	26738.260	17150.520	69571.300	70088.360	29745.080
##	[9706]	8108.770	58992.920	14249.040	60489.880	15709.220
##	[9711]	106770.210	59390.400	14007.820	123085.890	33226.580
##	[9716]	18802.310	17414.720	26223.670	35076.160	129758.240
##	[9721]	125415.960	52977.540	65076.000	146880.840	54259.420
##	[9726]	114364.520	108223.710	89512.380	16574.410	5199759.000
##	[9731]	44620.440	47506.800	42193.030	77457.320	32283.050
##	[9736]	38834.790	105488.680	17830.415	76325.670	99166.770
##	[9741]	134328.900	43831.600	19013.310	15246551.000	28805.890
##	[9746]	3987894.000	48302.480	38670.080	13950046.000	18726.610
##	[9751]	32194.560	38073.200	17423.690	29180.370	50818.830
##	[9756]	19337775.000	10458.160	40793.330	8733.570	13940318.000
##	[9761]	15781.520	129575.120	21505.640	36886.060	12416.060
##	[9766]	30320.060	87745.920	78056.040	15201.000	91390.920
##	[9771]	15096.850	17340.775	61796.000	33280.980	17880.045
##	[9776]	58051.530	17685.030	9706.790	18598.170	87659.420
##	[9781]	124782.200	18192.400	7166.995	61651.290	40782.690
##	[9786]	27581.590	28033.880	22330.070	80011.640	119491.240
##	[9791]	9762.175	14842.650	17785.930	75503.880	100505.490

##	[9796]	8906.930	91825.800	61238.940	10222.150	31151.460
##	[9801]	122332.040	100887.720	84402.420	10186.535	31306.480
##	[9806]	44297.430	26978.170	47765.760	4265144.000	37002.580
##	[9811]	19015517.000	77963.900	61632.990	61632.990	53266.230
##	[9816]	124847.490	16451.960	30385.560	44328.930	14638.380
##	[9821]	25415.420	15277.060	18413.130	10701.525	16218.320
##	[9826]	64977.540	14235.220	41048.830	37029.040	47422.230
##	[9831]	114300.320	10046425.000	42785.880	81066.760	16043.160
##	[9836]	44599.140	10196.610	81418.740	41933.100	114987.150
##	[9841]	44732.580	17692.555	16252.485	16243.105	56103.090
##	[9846]	14977.930	129200.120	20969.505	49465.980	32179.720
##	[9851]	14482.500	104455.020	83619.160	57396.720	58979.340
##	[9856]	33694.790	29042.270	19531.180	14985.460	404514.000
##	[9861]	97838.310	60882.900	20868.005	100127.820	32154.280
##	[9866]	18771.540	41898.870	10024.955	101607.270	12585.205
##	[9871]	58729.360	70175.780	52110.560	64721.580	20286590.000
##	[9876]	45455.940	60558.630	33012.390	60783.450	83477.580
##	[9881]	54378.510	35648.940	38883.920	19821.650	19595.950
##	[9886]	63362.600	50155.740	50155.740	64193.970	19303.210
##	[9891]	31780.120	103221.210	20455.280	15440.420	40197.280
##	[9896]	123526.800	55563.400	63661.600	12498.945	69073.650
##	[9901]	108073.040	32297.670	57857.100	14666.230	36631.980
##	[9906]	44749.970	54201.990	13955248.000	60400.170	17424494.000
##	[9911]	78443.480	20350298.000	89122.380	20378.795	17898652.000
##	[9916]	22205.610	15344.790	4528840.000	17267.895	47119.290
##	[9921]	94110.060	18849.550	36982.360	11641815.000	142106.960
##	[9926]	20355.430	25191.690	14444.875	33884.760	57544.230
##	[9931]	71479.600	59986.000	2226279.000	19296.630	69078.640
##	[9936]	14726.775	15843.230	28300.370	25347.260	56952.630
##	[9941]	52266.760	38957.340	26848.210	116058.440	17291.270
##	[9946]	10392.095	101066.400	96960.210	19718.920	9547.825
##	[9951]	19334.830	16844.130	122161.960	49056.090	18116366.000
##	[9956]	16117.630	72579.720	101978.190	60180.090	11938.100
##	[9961]	109323.400	67188.580	28227.450	129299.000	7112.665
##	[9966]	81287.660	32989.450	107392.950	41296.810	34176.530
##	[9971]	26326.960	126559.520	58892.860	61614.580	7919.535
##	[9976]	107864.340	102085.200	58380.600	20707.770	106879.710
##	[9981]	20501.720	59125.840	131844.320	32488.700	14733.990
##	[9986]	22311.990	20204.270	1527985.000	74576.760	17625.230
##	[9991]	134282.840	23882.980	8858.405	34500.970	7136.905
##	[9996]	14185.660	107438.880	20903431.000	80541.510	74524.880
##	[10001]	14154.255	60829.800	56615.100	11513.045	101853.600
##	[10006]	117283.350	40925.460	38840.780	69955.560	20511.160
##	[10011]	44103.180	40846.360	39277.220	28824.300	10042124.000
##	[10016]	176956.600	56545.440	33960.070	31500.550	108472.350
##	[10021]	25208.640	58477.590	42032.760	57047.520	67500.540
##	[10026]	15599.950	44046.210	168502.680	31795.480	9834.755
##	[10031]	58782.240	136765.920	42359.240	2617379.000	84261.300
##	[10036]	84261.300	41191.600	28491.460	41675.640	171399.840
##	[10041]	19982.930	9766.965	9925.300	19820571.000	84721.600
##	[10046]	17706148.000	7152.200	62030.640	41715.110	84621.390
##	[10051]	14954653.000	13309.510	21129.930	11372.900	71536.520
##	[10056]	21509.645	158848.760	33467.150	15364.100	14147.380
##	[10061]	34144.140	18431.800	19568.090	2146819.000	10622.485
##	[10066]	19797.895	30696.330	28286.240	10100.480	20675.475
##	[10071]	52862.850	52862.850	151854.560	67867.240	11515290.000

## [10076]	19998.330	109563.360	109563.360	33580.530	73826.310
## [10081]	13164.265	7123.915	44872.300	38631.060	49497.340
## [10086]	10732.780	36047.130	61630.400	21866134.000	11840.105
## [10091]	18922.230	85023.900	42062.810	31236.780	39909.360
## [10096]	115012.400	12626452.000	10482.305	12484551.000	81617.680
## [10101]	28730.260	10242.055	114007.880	46679.760	20078.470
## [10106]	20132.770	12221.185	47404.020	32291.880	32128.470
## [10111]	42588.140	29343.050	36311.460	126603.510	16944.540
## [10116]	3874136.000	49596.420	18873.520	28431.460	144390.200
## [10121]	34341.620	10456.235	136179.040	159327.840	38087.000
## [10126]	15784.290	14531.070	77856.360	19896.890	12741.580
## [10131]	37057.580	19930.930	8978.110	54054.180	29536.930
## [10136]	44624.660	9379.930	41310.180	130940.760	80678.550
## [10141]	120061.950	17379.880	138079.960	24312.940	5422309.000
## [10146]	17924.070	10629.930	90661.350	14360.310	8234211.000
## [10151]	33280.450	64551.120	93712.290	35217.020	20618.070
## [10156]	7091.660	17646.920	71172.680	82892.520	161710.320
## [10161]	14414.250	21275.220	29337.500	31241.200	17282.840
## [10166]	31615.000	14821.995	34766.910	88968.900	178053.400
## [10171]	38083.180	9328.895	120368.320	157577.000	43493.930
## [10176]	29510.870	13365402.000	30207.150	29987.160	14773.300
## [10181]	64790.240	15428.390	8412.555	102131.040	28836.830
## [10186]	14337.560	110675.880	19704.160	72674.760	20621.720
## [10191]	7645.095	117502.800	7460121.000	36228.200	46340.670
## [10196]	146101.280	52958.430	110758.680	12731.780	20535.050
## [10201]	40317.500	52643.340	18888.460	95210.200	73365.720
## [10206]	29409.660	76593.920	7756.465	80968.040	15855.340
## [10211]	91771.290	66554.310	114128.440	123802.520	50513.120
## [10216]	116428.120	15433.330	102665.070	1303573.000	59110.840
## [10221]	75175.460	18612709.000	17515.750	16047.010	32520.180
## [10226]	14749.060	113561.200	101399.130	71208.160	110209.680
## [10231]	17131.345	60904.590	151623.560	16334.610	9491.020
## [10236]	41467.220	104367.210	93143.580	66571.100	53260.380
## [10241]	8525194.000	10021.720	8103.425	122309.670	47733.060
## [10246]	20022.290	105750.300	27323.110	6074521.000	127760.400
## [10251]	25793.110	14318.260	15836.570	125873.840	72219.480
## [10256]	48948.570	61204.770	19711.140	144624.920	13543.805
## [10261]	20014.910	76249.740	66979.760	61017.930	61017.930
## [10266]	38239.440	78666.570	31517.470	15907.910	34888.640
## [10271]	128919.960	17180.820	18485.235	16204.640	132398.130
## [10276]	36354.020	16895.240	34589.720	9559.285	34365.960
## [10281]	8790.850	10667.730	112287.510	43516.380	21240449.000
## [10286]	118831.620	43456.500	138206.040	18254.505	58464.060
## [10291]	55100.760	14853514.000	36603.850	65804.040	13371054.000
## [10296]	43391.960	171547.240	14145.770	21480.965	16501.390
## [10301]	87232.860	33444.190	56069.640	33208.950	122452.650
## [10306]	7664.315	20655.070	58063.480	20189519.000	156608.600
## [10311]	40924.810	8107.295	33515.800	20344.020	17896.200
## [10316]	134569.350	8628.610	11755.910	14927759.000	17373.390
## [10321]	16614.765	16275381.000	23026.480	127206.660	146724.360
## [10326]	23344386.000	34963.820	120404.720	32506.420	107449.740
## [10331]	21120.835	17738.320	15905.250	89705.920	17805.210
## [10336]	13139.855	18138374.000	22419.740	73562.460	14285494.000
## [10341]	41131.360	39843.140	146746.120	20503.210	37182.620
## [10346]	28828.860	21873.680	10682.245	38266.440	34217.660
## [10351]	82684.620	35774.380	16886.790	62313.540	147378.960

## [10356]	60371.840	12821.555	89607.240	57293.490	57293.490
## [10361]	117355.480	115645.650	461219.000	22132820.000	68561.310
## [10366]	22879.520	15651712.000	35412.020	40985.480	94739.700
## [10371]	16162.130	135478.360	32152.970	12833.680	14117.270
## [10376]	64324.360	2178083.000	104527.600	29778.940	58508.760
## [10381]	65050.320	37475.070	17217.280	20272.230	15605.730
## [10386]	3818546.000	31672.760	88905.000	14620.510	32273.010
## [10391]	19995.550	35719.400	15093.630	36898.490	31775.410
## [10396]	133236.360	44998.710	81338.160	36637.100	19491.840
## [10401]	11253.460	17227.160	9822.095	17738.305	54315.460
## [10406]	68130.210	151649.360	93226.500	71498.380	16681122.000
## [10411]	78399.120	57030.990	57030.990	119047.520	125883.990
## [10416]	78937.470	50787.690	82135.840	29368.560	130393.960
## [10421]	15302.740	61540.560	131573.600	10381.565	131199.120
## [10426]	16997.715	122566.590	22934.450	28603.640	53869.440
## [10431]	20107.210	22313946.000	8741.320	9336.935	35062.630
## [10436]	56135.760	19749.040	129695.720	37889.060	80673.300
## [10441]	15039.800	16311.665	41905.360	77142.690	7388.705
## [10446]	22456326.000	73542.280	66858.270	20818.740	34113.610
## [10451]	14629.520	44667.500	141347.320	32100.800	24424.700
## [10456]	32495.660	73180.200	31530.760	2597096.000	28703.710
## [10461]	55444.560	19810.745	30961.620	77253.540	41541.800
## [10466]	28518.760	87727.050	59039.520	4514353.000	88290.450
## [10471]	57107.120	117801.120	8905.450	30196.640	11196620.000
## [10476]	171379.800	77019.080	43903.540	43359.360	67712.260
## [10481]	9760.495	15820.755	139702.240	99617.760	54815.730
## [10486]	35701.420	66429.240	79178.760	58468.080	9470.255
## [10491]	11874543.000	88326.720	19240.300	34872.340	35435.810
## [10496]	14330.890	55762.110	88088.070	32910.920	39704.190
## [10501]	132606.690	18771.660	30668.900	16500.960	62046.960
## [10506]	39327.920	69942.500	23884555.000	85481.480	16798336.000
## [10511]	14304.010	14544.030	36564.350	30617.500	9149.500
## [10516]	9477.760	70674.600	85426.680	27318.320	87017.920
## [10521]	95849.160	58528.300	22418.630	34204.390	17868.110
## [10526]	16279.715	14068988.000	55128.270	79504.560	132643.710
## [10531]	89446.380	19741.360	165798.200	32283.520	21863.800
## [10536]	41037.940	20104809.000	24497.420	28942.360	77264.920
## [10541]	28559.250	30063.420	29367.880	7596.060	88165.800
## [10546]	19129.260	41771.020	20257.280	18221.965	8927.890
## [10551]	143351.280	17723.520	36309.760	68898.000	18170.075
## [10556]	10409.755	5710556.000	19757581.000	61141.240	20599237.000
## [10561]	10120.280	32296.780	21719.560	51182.850	30623.610
## [10566]	109472.910	60744.860	17561.270	54025.950	14717.280
## [10571]	102333.280	17172.140	9970.160	1910572.000	39448.670
## [10576]	20756.690	14230.995	170986.720	77923.000	103838.720
## [10581]	16054.060	20382.970	18014.300	80182.280	36568.050
## [10586]	17709.310	140042.280	94330.830	16805.540	95111.100
## [10591]	19249.610	71297.020	30564.960	4671933.000	36933.770
## [10596]	12358210.000	32504.220	16888.405	14061.550	36456.720
## [10601]	24376.730	128503.640	131080.800	19399.320	33999.480
## [10606]	170614.280	8753.205	18979.350	7957.910	13547543.000
## [10611]	17143.760	68538.880	60694.740	60694.740	22209.000
## [10616]	32013.460	12683.275	67422.800	32455.100	142725.800
## [10621]	44330.200	31969.220	67151.600	57524.560	10427.440
## [10626]	69026.560	35350.240	8504.550	17556.410	45608.140
## [10631]	16490.750	14829.170	46346.680	22320.325	86470.840

## [10636]	170824.680	31820.560	78066.480	31204.740	14596798.000
## [10641]	14599.890	89394.780	36806.840	28443.420	24363.780
## [10646]	40295.720	10060.015	32943.660	46271.320	88957.380
## [10651]	65869.240	56483.640	81769.350	109480.980	166741.480
## [10656]	8246.710	19557.100	19227.170	43981.400	34202.450
## [10661]	17891.160	58248.330	96604.140	22530.970	23338.830
## [10666]	62679.870	43074.480	32612.360	92067.990	17250.520
## [10671]	63861.360	19641.665	53646.000	10436.120	37233.500
## [10676]	113192.680	25428.700	79697.480	9615.485	9400.200
## [10681]	35023.490	14233.310	68484.440	98703.990	40944.820
## [10686]	13618.870	32876.700	33401.100	43788.750	42447.540
## [10691]	147058.640	18710.740	80402.720	95025.400	15361.320
## [10696]	54072.940	109349.310	96583.710	45705.040	31273.540
## [10701]	19006.520	70825.760	13815.325	21702.870	34105.840
## [10706]	42252.700	6300606.000	97363.360	22387.125	21903.850
## [10711]	93068.880	20579.450	32057.300	70851.840	83403.200
## [10716]	11780.935	48854.850	48854.850	28810.710	95534.610
## [10721]	7290.880	29038.580	164027.120	16862.880	9555.940
## [10726]	35917.120	14516.400	7225.020	72503.560	23182237.000
## [10731]	58214.120	16965.300	65454.360	31256.020	18261.360
## [10736]	13301420.000	34433.180	9302.125	87966.960	87966.960
## [10741]	22323.280	19989.650	123485.040	30638.280	21639.390
## [10746]	21888256.000	18829.820	16481.420	93550.950	21701281.000
## [10751]	18587.640	36190.170	15503.020	12763.795	53057.640
## [10756]	16868.340	60218.280	16833.105	54936.200	7186.500
## [10761]	10068.970	21963.845	121277.000	7704373.000	30883.320
## [10766]	53075.220	34150.840	33856.860	69886.640	86415.560
## [10771]	93817.620	20292.460	25454.670	35180.420	24041.970
## [10776]	33940.000	11073.600	9299.105	27685.040	9026.645
## [10781]	20864.930	33828.190	40633.860	131254.800	95854.500
## [10786]	173126.120	30951.640	29473.280	36755.360	121755.920
## [10791]	10302.590	9958.505	16069.920	649977.000	28151.810
## [10796]	18397.870	19264086.000	44934.450	37976.680	16431.535
## [10801]	61732.230	78937.100	90285.330	18163.260	142395.120
## [10806]	19631.510	37551.780	23912939.000	19109940.000	22655.880
## [10811]	92939.490	18302.330	20817.455	43995.950	60546.720
## [10816]	84479.670	37986.180	124183.560	14335.460	80377.680
## [10821]	32469.290	28194.800	34230.000	21642.160	24709.330
## [10826]	38742.260	21761.490	75742.320	72159.900	8956.355
## [10831]	23957.750	12997.515	23035.150	55604.310	81094.960
## [10836]	69014.480	120539.800	39269.970	9732.570	78860.200
## [10841]	84292.180	65278.920	72690.140	73849.540	21212.420
## [10846]	34531.800	29750.770	89992.980	62896.780	60770.220
## [10851]	41370.820	73446.680	19215.260	102261.270	82489.920
## [10856]	28941.240	62203.080	112400.240	18122.800	34053.400
## [10861]	23266988.000	86765.120	78953.920	71734.240	106550.190
## [10866]	92807.490	8169.385	144962.440	107633.880	60255.900
## [10871]	32639.900	7369.030	16159.510	93589.480	36115.920
## [10876]	21710332.000	26862.640	10037.500	7006.035	15126.800
## [10881]	68105.600	90794.280	33946.770	16230.820	14850.160
## [10886]	81998.840	83595.720	17823.250	36016.780	86617.160
## [10891]	1105753.000	35320.990	106789.360	60014.040	33816.410
## [10896]	48776.850	48776.850	35746.070	56404.840	16372.050
## [10901]	14351.210	147848.640	18836.230	9024.455	822993.000
## [10906]	22453.670	78156.390	40246.160	160838.320	40403.350
## [10911]	38542.220	57462.920	22539.910	14639.215	42236.790

## [10916]	29470.760	15441.200	10389.190	21028.910	7912130.000
## [10921]	19526.920	14337.640	91545.150	14914.010	120017.120
## [10926]	19720.360	69788.080	19124.400	25173.400	58178.920
## [10931]	9831.865	39191.160	81822.800	38873.380	167922.520
## [10936]	43008.330	16645.160	17819691.000	126308.430	30958.060
## [10941]	66755.640	96027.160	125285.320	17950.550	31302.340
## [10946]	37754.780	28698.060	69956.920	30365.130	86571.090
## [10951]	21676255.000	19261.210	83192.640	40330.080	6090956.000
## [10956]	34343.960	121256.400	59348.640	34849.620	20139.190
## [10961]	18105.320	60381.320	9413.305	172441.080	33199.130
## [10966]	9173.610	44983.950	17271.600	71290.060	9299.050
## [10971]	117116.320	21803.940	28826.140	91965.390	136738.560
## [10976]	15434.100	129308.520	60574.480	20975.390	33498.790
## [10981]	13738.735	33032.460	31700.120	32755.490	28199.860
## [10986]	15219.030	35341.990	48234.040	28337.760	140606.800
## [10991]	28550.840	81609.780	63563.880	55263.820	86584.740
## [10996]	18633369.000	37760.220	135178.440	20558.680	10329.855
## [11001]	107991.540	15279.430	38299.840	73052.940	42331.140
## [11006]	14059195.000	14773.910	132387.520	62683.590	53671.920
## [11011]	19467498.000	16599.580	19504.320	76769.580	14258.850
## [11016]	73314.600	15028.515	27061.840	23455.120	17689.640
## [11021]	39284.170	144497.440	40380.180	18194.800	14592.030
## [11026]	16559.750	18937.610	72034.860	91561.260	29228.180
## [11031]	50757.150	59032.800	104273.040	31392.940	70976.460
## [11036]	70976.460	107545.200	11274.515	74502.360	19841.340
## [11041]	88147.530	101453.490	16934892.000	47013.780	7905.960
## [11046]	47898.390	15335.380	27131.460	20397.855	42074.420
## [11051]	70142.360	141164.600	21709.070	122725.480	31206.110
## [11056]	17077.400	76650.120	39594.660	20269.930	7314.550
## [11061]	71534.680	55593.990	55593.990	18995.890	42870.090
## [11066]	9001.345	27589.120	12050.595	14791.060	96040.560
## [11071]	61607.340	57242.610	15617.350	23977.890	1824616.000
## [11076]	10484.960	7534.185	21809.350	4560381.000	145114.160
## [11081]	17411.260	39593.770	88044.600	33352.410	14000.590
## [11086]	102885.750	18756.780	20488.290	142544.360	23942655.000
## [11091]	22158.995	81049.770	8776.715	11586729.000	62855.320
## [11096]	3656455.000	29280.440	36368.770	18897.130	9614255.000
## [11101]	38378.180	37885.460	37968.010	40517.810	55246.770
## [11106]	122579.040	14176.215	8820.825	66092.250	9436.415
## [11111]	14006.745	33785.200	60515.320	73627.680	24883.010
## [11116]	7269.655	35462.520	16609.080	34102.640	55209.810
## [11121]	29818.780	57776.520	18968.180	11621521.000	60733.700
## [11126]	54908.220	133670.480	173721.160	1353477.000	15910.330
## [11131]	16799876.000	97907.040	20058.555	17725.570	156470.000
## [11136]	11889.260	73579.800	35970.540	83642.910	35479.470
## [11141]	14180.935	51886.180	75605.820	7038656.000	10263.790
## [11146]	36938.820	40038.580	59494.140	58774.860	17036597.000
## [11151]	9527.090	20813.060	20592.970	72783.060	50051.280
## [11156]	53956.320	49099.680	61194.810	17117486.000	133547.250
## [11161]	11770018.000	78956.730	62536.320	87621.780	91610.400
## [11166]	31506.900	40923.340	37896.710	35940.360	57786.120
## [11171]	74005.120	19026.700	79794.600	14403.390	31762.340
## [11176]	29491.670	33599.080	83930.720	19967839.000	20501034.000
## [11181]	8906.395	127855.830	32637.880	8177.410	58853.460
## [11186]	55473.220	16229.860	20597.090	39089.090	33411.910
## [11191]	12148578.000	36787.050	36685.740	17150.815	14290068.000

## [11196]	11795931.000	64930.470	23681.870	7243.440	32361.610
## [11201]	75069.090	12659208.000	78261.620	34146.860	94498.950
## [11206]	20799.590	59703.030	50298.420	63601.480	14387.470
## [11211]	20203.625	76992.720	56001.150	21205.820	16199.955
## [11216]	88606.920	61533.360	46783.080	8027.195	88072.590
## [11221]	145545.360	146771.720	2460850.000	20521.360	15197.250
## [11226]	32763.420	16832.680	65000.730	33929.890	18083.015
## [11231]	68487.030	79716.940	44438.410	41509.620	114919.560
## [11236]	91532.610	29112.320	9916.865	28195.290	33276.280
## [11241]	29086.410	43754.320	18320277.000	84114.600	107677.980
## [11246]	19496703.000	130210.200	80692.280	10482.625	10344.865
## [11251]	17844.190	143570.800	59992.120	7184.235	77594.480
## [11256]	84604.800	26596.910	73675.650	22380.180	12144.580
## [11261]	19627.930	35007.330	21093.410	31977.440	25876.180
## [11266]	43442.970	28079.860	24922.120	44332.620	26053.360
## [11271]	42491.460	63847.800	62475.660	19513928.000	140254.920
## [11276]	61990.520	18949.480	23304.300	57321.360	22433.460
## [11281]	55938.510	41998.550	20162.260	18525.130	18008.650
## [11286]	162687.320	50473.800	106108.530	16090.310	47032.800
## [11291]	9817.065	79691.700	8215.870	125734.160	59519.790
## [11296]	51323.520	14623.830	144396.680	81288.360	4893273.000
## [11301]	82941.600	9510.225	26980.830	33049.870	27880.820
## [11306]	20111.740	29661.880	63730.080	64110.510	51433.890
## [11311]	19603.315	16234.660	24995.920	82668.780	36533.300
## [11316]	21487.835	7451.970	48089.160	16141751.000	1496396.000
## [11321]	126353.040	23537.540	14758547.000	16833.860	17188755.000
## [11326]	33413.880	58832.190	14982.000	97694.320	10774.095
## [11331]	20348.570	38933.580	56141.260	13016.955	54239.940
## [11336]	78188.840	44768.730	134499.840	71616.360	40287.780
## [11341]	17212.350	89122.800	70114.380	73455.030	39280.520
## [11346]	15475.270	43075.970	15286.160	31174.800	20566.560
## [11351]	15049.890	56985.900	132641.340	109607.430	45488.940
## [11356]	15615.300	42829.150	18140.940	25417.330	34378.420
## [11361]	26683.750	61117.290	41544.520	15466.055	122469.160
## [11366]	8576.980	57654.400	137097.800	16517.730	69324.400
## [11371]	72712.200	7039.745	37424.160	40692.400	15948.285
## [11376]	71983.500	42585.400	18600.880	31024.770	18465.740
## [11381]	8800037.000	28805.340	19724.810	8381.025	51045.900
## [11386]	56391.120	1127430.000	98035.140	12721597.000	120834.030
## [11391]	17767.410	79929.760	20906.890	16041.850	120522.880
## [11396]	35862.370	19020.630	14576351.000	103395.240	62153.440
## [11401]	73507.400	79147.200	112939.470	18817.940	57846.480
## [11406]	106520.640	106520.640	103769.880	93305.760	27954.680
## [11411]	41819.640	7234919.000	42346.980	73926.360	129762.480
## [11416]	14012.510	61922.240	31067.030	40069.450	11138.425
## [11421]	80669.440	143544.960	56500.700	38882.520	25306.370
## [11426]	91490.600	27587.100	73327.000	9834.330	29441.380
## [11431]	117342.920	13770119.000	46929.570	128847.000	10455.585
## [11436]	94312.050	19135.060	116623.440	48783.440	65844.860
## [11441]	14239.410	71554.680	71554.680	21977001.000	16743.345
## [11446]	33749.340	31933.890	88602.000	21526.910	19127.060
## [11451]	5394429.000	37743.720	14836.740	14630332.000	17116.550
## [11456]	16193.870	18202.790	14411.900	15734.680	29894.700
## [11461]	62152.590	11586.360	18811.580	7718.760	87883.920
## [11466]	11866703.000	37486.020	14045.150	6755739.000	20364.570
## [11471]	63901.050	15710.555	14735.480	6948342.000	14431.490

## [11476]	71689.680	54000.900	75408.440	9095.290	76714.080
## [11481]	20652.980	110603.940	28204.790	68399.640	34956.220
## [11486]	49215.720	14957.970	19188.055	15928.750	17451.235
## [11491]	106546.080	17085468.000	18225.380	89221.260	24127.790
## [11496]	56007.820	17471.630	127928.680	35802.820	47202.120
## [11501]	17805.150	85368.270	4175074.000	33479.220	109655.250
## [11506]	18604775.000	80743.800	34388.000	28131.620	14461.520
## [11511]	81623.130	50649.600	50649.600	88045.800	34406.640
## [11516]	14677.920	14841.170	21677.905	14623.510	110375.040
## [11521]	14996.235	26779.900	168491.440	46874.850	74437.440
## [11526]	14293.345	88120.120	46880.490	71551.180	7427.290
## [11531]	39558.230	19338.480	42208.740	16791.210	9989.210
## [11536]	68498.720	15516.870	41498.300	17610.810	36871.280
## [11541]	73732.400	18524.520	43285.200	28276.430	94587.660
## [11546]	15219276.000	70902.060	8089.415	43280.820	50276.790
## [11551]	67281.840	16188.160	14909.400	20326.870	22265.030
## [11556]	20782.660	63839.240	13675.830	25626.880	19428.030
## [11561]	97714.470	38694.740	15400.190	92699.310	17213.610
## [11566]	30269.710	9741.195	54346.350	109547.100	66919.400
## [11571]	16313.030	3485700.000	65523.040	143853.080	89398.640
## [11576]	45902.250	78570.640	95768.850	97377.870	31276.270
## [11581]	131698.960	68533.840	28274.170	66674.380	124085.910
## [11586]	20945.380	50690.910	15503.650	95099.800	49228.350
## [11591]	86502.120	9620.965	126344.720	63572.760	41922.400
## [11596]	21421.730	21039.260	19924.140	19706755.000	48729.870
## [11601]	62028.360	75010.520	19395.730	436443.000	9524035.000
## [11606]	16758.140	28207.030	70797.840	79500.440	49715.680
## [11611]	5419386.000	20211.780	90074.640	24065688.000	44323.290
## [11616]	17290.420	11892.720	58306.260	34829.920	12805.500
## [11621]	36640.700	61127.370	864701.000	30352.720	80942.220
## [11626]	21085.670	30178.340	46360.470	14331.650	17446.070
## [11631]	26760.950	71034.880	70732.400	7363.130	9447.120
## [11636]	15264.980	9012.040	23713472.000	14835.220	62031.060
## [11641]	19250.710	28058.380	40343.420	35474.910	33834.470
## [11646]	109978.170	24070.500	89772.840	14540.485	33990.850
## [11651]	42185.250	33061.200	12287.430	33624.400	41414.580
## [11656]	56125.500	9886.530	121522.520	58164.120	21172.980
## [11661]	13701.675	20351.965	29256.860	20170.750	8658.180
## [11666]	17663.535	15509.990	57452.430	21336803.000	7299.770
## [11671]	60159.450	9637.635	116360.560	19563.140	20338.480
## [11676]	41563.690	19172780.000	72902.700	72902.700	16603.995
## [11681]	56286.510	166837.640	18228.535	126464.010	98455.260
## [11686]	66387.420	82383.040	29182.340	15586.650	54593.730
## [11691]	55554.690	61807.410	16200.250	43924.040	19494190.000
## [11696]	39522.280	35618.390	125905.840	42216.930	119242.680
## [11701]	29175.030	78810.640	29094.060	20674.500	21537.990
## [11706]	77751.800	38430.940	56451.800	19886.070	41848.260
## [11711]	36920.360	39912.860	100192.320	14095.930	31877.720
## [11716]	42756.720	24293.220	18594794.000	50520.750	20961.365
## [11721]	52797.300	144444.640	27947.050	7840796.000	135671.320
## [11726]	21098036.000	98983.170	81566.250	36029.250	58290.640
## [11731]	18014.970	128163.360	83378.200	33212.270	35207.730
## [11736]	34636.640	83126.240	37777.920	27292.500	84373.320
## [11741]	84373.320	59999.020	7127.455	28253.330	19268.300
## [11746]	147327.800	47732.880	13180.990	69981.320	31253.180
## [11751]	33735.420	1200455.000	8312.085	1497612.000	18458.050

## [11756]	22385.160	57651.980	96815.910	37085.980	131737.720
## [11761]	57582.420	63407.820	17919.005	10437.765	38253.640
## [11766]	38791.680	23692.520	9648.820	39020.720	20623.160
## [11771]	39130.840	49718.550	16702.250	28435.760	87204.480
## [11776]	41797.940	112308.390	35820.620	35846.520	20981.460
## [11781]	84687.480	29101.850	20120.380	37360.940	19280.890
## [11786]	19936.400	127706.550	18507.350	23076807.000	34243.280
## [11791]	15931.720	41293.100	36849.500	53543.380	63965.840
## [11796]	39242.100	36217.700	34798.030	35824.650	9000.425
## [11801]	10300239.000	35349.200	20889.650	28896.840	86274.990
## [11806]	32446.800	50817.900	38155.640	37006.600	47370.640
## [11811]	72363.720	69224.940	132552.160	16627.150	165799.400
## [11816]	83491.350	41468.900	77326.840	67551.570	22020.370
## [11821]	19938.730	62578.920	33662.510	38840.660	21419.850
## [11826]	33535.890	52591.260	8052.790	37045.600	40848.130
## [11831]	87795.780	15704.000	11244.630	38831.830	11330.965
## [11836]	52410.500	12029909.000	20760.750	18444.925	57507.240
## [11841]	57507.240	85515.940	29823.910	17983.290	60593.800
## [11846]	36589.090	18037.470	68471.160	59555.680	112671.270
## [11851]	99100.290	14698.595	43426.900	147583.400	38367.080
## [11856]	61085.500	40561.200	98330.800	1241683.000	80511.840
## [11861]	33071.560	134270.120	109981.600	32089.330	68088.150
## [11866]	107304.420	41911.840	75868.800	38533.760	148387.920
## [11871]	17889.320	56570.220	31019.600	63433.700	139391.800
## [11876]	17776.200	68790.220	45432.510	7908.000	9716.270
## [11881]	128698.760	21733.845	116794.110	122760.660	15165.140
## [11886]	17452.155	17933.840	75655.480	69083.080	100666.590
## [11891]	42079.650	17737.600	120015.520	42619.920	160591.240
## [11896]	14066.030	14901.880	20921.760	74288.460	74288.460
## [11901]	152104.680	60148.650	19506381.000	30403.950	14137.390
## [11906]	31938.390	69212.000	79760.400	60396.260	170730.600
## [11911]	112282.400	124190.800	40857.120	40363.740	18063.710
## [11916]	15628.590	17807.935	22116.855	16245.125	35325.290
## [11921]	81908.340	9603.845	10302.890	35916.150	22144.945
## [11926]	38505.320	81096.440	22181.400	19922.110	62848.830
## [11931]	24821.360	28824.580	23917742.000	19029.310	30616.070
## [11936]	86992.680	86992.680	34774.650	17147.215	1734922.000
## [11941]	31655.900	16242.680	12979600.000	111346.920	40701.880
## [11946]	15333.865	98992.920	42951.620	12768.940	71535.380
## [11951]	73436.070	10078.315	40608.960	32875.170	38192.940
## [11956]	30012.830	163083.080	86776.590	86282.670	22077.270
## [11961]	66287.280	28276.720	89531.130	33643.760	11465.920
## [11966]	60174.930	30393.470	110018.940	16144.570	11967.245
## [11971]	27577.450	15904.850	19457.500	95011.640	177560.680
## [11976]	36039.180	20497.260	40646.190	32653.780	17433.615
## [11981]	112383.560	18263.990	19852.640	10277.190	94034.800
## [11986]	83618.960	14944047.000	31237.940	7517.970	77945.080
## [11991]	69601.680	19134169.000	18124.540	61876.140	38361.540
## [11996]	49070.940	78506.640	147781.640	17177.520	82316.180
## [12001]	51461.400	141474.200	134630.910	15173081.000	47682.360
## [12006]	43967.590	36971.440	136566.400	108968.850	9618.300
## [12011]	55732.680	106666.200	39831.100	126689.000	103668.450
## [12016]	14696.765	7854.735	12349.370	12044.890	16364.650
## [12021]	104088.510	37424.090	20737.170	13931994.000	32967.940
## [12026]	16203.890	49329.780	58048.820	161066.880	72458.440
## [12031]	139294.400	30683.420	7782.320	45253.140	7136982.000

## [12036]	19737077.000	41351.460	8283.985	18040.670	5070708.000
## [12041]	30635.830	8829.965	15301.190	173994.280	60035.340
## [12046]	160346.440	3301922.000	50155.560	9934.620	17421.640
## [12051]	37262.120	20817.395	24954.360	85918.760	31113.520
## [12056]	129473.160	62538.300	102287.790	10311.095	43138.550
## [12061]	11040265.000	69907.300	8681121.000	8898.785	17573.035
## [12066]	34977.920	8495.375	19493.650	28741.710	32303.730
## [12071]	20415.410	16408.770	14830.480	45013.440	7887437.000
## [12076]	15155.010	16533.700	132427.860	132427.860	2061691.000
## [12081]	35491.290	16905.130	12249.125	20202.220	17538.280
## [12086]	12400513.000	59649.390	13990.925	55336.940	32340.830
## [12091]	112743.080	64536.990	64536.990	20048.230	14422.220
## [12096]	30637.130	122835.520	88574.430	88574.430	71875.280
## [12101]	54904.100	14956.120	36943.760	19344.270	26420.210
## [12106]	15383.170	37972.160	20770.600	107242.640	10445.480
## [12111]	141873.520	10034.725	17872695.000	29269.810	40671.270
## [12116]	37107.790	32144.540	35572.080	15915.045	59227.680
## [12121]	23414.760	26175.310	16367.605	26805.850	31061.800
## [12126]	46449.980	140947.800	40113.080	43457.340	39379.070
## [12131]	155700.320	69984.720	77380.480	69362.920	85742.820
## [12136]	55115.260	18321864.000	34271.960	58089.390	28675.480
## [12141]	31563.900	31819.530	54284.940	45749.060	8826.660
## [12146]	144469.360	56062.220	101821.720	18341.470	9115.470
## [12151]	35908.740	40276.270	19998.600	10977.790	42150.690
## [12156]	40976.220	32390.150	116897.680	37443.130	29434.080
## [12161]	82410.120	120696.880	154493.880	39189.920	44744.000
## [12166]	15497.020	28144.300	46246.900	80718.560	30619.730
## [12171]	10616190.000	19017.290	79621.260	20914.470	39916.180
## [12176]	15528.290	21678911.000	19807.545	59426.920	19223.950
## [12181]	36875.140	10156.330	20922.340	113040.280	74017.080
## [12186]	166621.840	105774.570	19827.360	41442.400	35751.930
## [12191]	7448.780	39706.440	86032.170	7467.860	31318.840
## [12196]	29394.880	35033.330	76519.300	70590.980	83340.980
## [12201]	739493.000	53052.200	75095.910	15741145.000	15874.010
## [12206]	38480.950	19282266.000	8295.870	7679964.000	7699.255
## [12211]	9830.785	60764.400	17481.785	36048.080	44320.680
## [12216]	14243.975	43570.600	30807.570	29265.300	74193.700
## [12221]	30693.420	8555.805	53878.980	44801.720	29465.730
## [12226]	36122.510	28649.990	78858.400	14128.680	17570.260
## [12231]	3035422.000	11650.835	15663.650	38985.960	139711.000
## [12236]	43508.740	51796.840	63023.180	51034.120	21270.790
## [12241]	32300.640	15811.830	38104.040	3126283.000	7895.620
## [12246]	14433.725	15508.050	50050.830	15362.780	37921.540
## [12251]	19243.320	46407.580	20883.550	87474.240	20367.720
## [12256]	113368.230	21613837.000	30548.740	118236.030	69803.600
## [12261]	79298.960	20622.280	109782.320	88380.160	87692.850
## [12266]	11810.515	78059.360	21671.530	65214.960	98495.800
## [12271]	20313.630	44454.070	79439.560	21017.010	17353657.000
## [12276]	87318.060	42936.480	42915.240	10394.805	18983.070
## [12281]	17370154.000	78162.720	81367.120	57778.980	15923.295
## [12286]	75901.920	18247.180	130523.640	106157.000	55299.720
## [12291]	20975.940	93666.330	13004618.000	20965.340	25608.990
## [12296]	59931.400	80756.360	94120.350	27339.810	125062.920
## [12301]	89126.250	112302.040	89531.940	16128.395	169789.520
## [12306]	7252.065	15603.415	21803242.000	73961.120	15137.300
## [12311]	17156.790	73543.180	20341.770	17680.690	11098212.000

## [12316]	52487.140	66823.880	19543.050	35611.710	54834.690
## [12321]	40027.940	14656.405	32466.180	97787.460	72817.880
## [12326]	7845.795	7377.215	77885.600	105910.080	66377.520
## [12331]	11713.625	27706.710	63824.070	34361.320	10690.960
## [12336]	19656.510	35650.020	70137.000	36539.180	79649.310
## [12341]	35413.430	32507.760	60682.110	35469.720	33475.630
## [12346]	125788.800	52395.840	62877.920	114826.560	32486.640
## [12351]	23336.970	15274.540	20278.790	116014.800	113637.690
## [12356]	132895.500	7744.305	9106.910	56213.840	35843.920
## [12361]	9743.510	20934.490	36446.720	44611.390	15060.020
## [12366]	22644332.000	17276.800	11911.715	37999.060	16811867.000
## [12371]	7200.860	17818.530	84845.480	73995.120	84120.450
## [12376]	84120.450	58510.300	129903.000	16579.550	88275.180
## [12381]	88275.180	31104.320	14027.195	14399044.000	31866.940
## [12386]	19071.340	22713.820	93293.130	75816.520	131091.600
## [12391]	130220.080	169339.880	16674.010	51580.680	51580.680
## [12396]	15710.265	64692.900	36863.790	16740.095	19761.790
## [12401]	44608.210	35093.600	62424.120	17060.705	39459.880
## [12406]	169481.080	100809.780	16236.130	9114.480	60663.000
## [12411]	3291319.000	14198.910	26520.900	157156.800	7555.450
## [12416]	19837680.000	91946.910	61970.820	61970.820	26775.490
## [12421]	29741.120	8651183.000	39431.650	34366.000	20851.590
## [12426]	85553.970	9163.960	61444.920	14070.220	36990.530
## [12431]	52499.160	7168.480	14219.345	131760.300	59343.120
## [12436]	11527.375	46477.560	32387.940	27226.380	86097.540
## [12441]	29423.320	16799.320	81430.320	8794.490	31896.700
## [12446]	93373.680	166658.680	17168.925	23646.080	108073.680
## [12451]	13056.350	46586.790	41995.640	20287.130	76879.400
## [12456]	19594.290	16776.020	27881.320	62509.840	9106.335
## [12461]	59412.600	59412.600	43623.840	15258.950	9598.380
## [12466]	21206.480	13347.835	31902.650	14571808.000	15341.895
## [12471]	21834.840	72050.920	107118.960	113630.400	18524.985
## [12476]	23107.740	121151.400	33768.350	61989.720	123181.160
## [12481]	65312.730	33683.950	6912531.000	32019.260	22308.010
## [12486]	1724659.000	52210.260	32228.670	108312.640	77703.160
## [12491]	9676.155	64964.100	20082.580	15706.805	60036.750
## [12496]	43983.520	57309.780	33917.380	121179.400	34676.000
## [12501]	8578.890	20434.150	56400.180	56400.180	22354.300
## [12506]	35497.940	19277.130	19796.080	108134.070	103228.740
## [12511]	144968.360	43691.640	28102.360	18781.730	17444525.000
## [12516]	143665.120	34336.300	65586.320	61922.670	14468.225
## [12521]	41640.540	73106.920	13395.250	44272.000	58558.300
## [12526]	119014.200	15993.330	43615.200	76330.680	76330.680
## [12531]	34848.040	15724.730	128427.200	42755.640	16685.020
## [12536]	22157.270	31155.480	66816.260	109364.080	58963.040
## [12541]	55448.740	135851.240	37655.980	11911.285	59850.240
## [12546]	12948.695	15160.610	83800.560	29487.250	119643.120
## [12551]	7888039.000	36722.530	62231.340	116611.800	14363.250
## [12556]	108504.920	7087.380	10203.990	36787.580	20320.175
## [12561]	122543.560	31641.930	14538.090	132848.880	45706.470
## [12566]	10882.800	43354.770	34709.280	30424.170	16590.270
## [12571]	35176.500	20091.860	16970134.000	89870.980	64969.050
## [12576]	9700.810	45947.100	16110477.000	45947.100	15350.030
## [12581]	54525.940	66190.340	19826.670	11249.150	45285.960
## [12586]	5753875.000	57877.950	96780.030	17408.230	7160.835
## [12591]	75654.810	58739.820	58739.820	20804.770	52847.320

## [12596]	49354.080	30884.060	20057.710	30662.180	13566.770
## [12601]	14860.185	121029.600	39649.740	126744.390	22744.150
## [12606]	43832.920	28754.130	122503.120	14447.520	22354311.000
## [12611]	4028162.000	20975.400	64933.760	114452.120	40214.540
## [12616]	171781.800	46817.500	127284.180	106141.530	14475.140
## [12621]	14802.980	167067.080	81887.800	10412.225	9134.415
## [12626]	128916.040	32382.970	58754.970	16444.420	30624.620
## [12631]	68299.400	3353125.000	4155875.000	65024.220	57878.700
## [12636]	56180.840	19858448.000	63928.950	21008121.000	31460.890
## [12641]	41654.620	85421.190	17012088.000	11280.545	51508.620
## [12646]	22609.450	21713.610	112853.220	50891.940	92186.190
## [12651]	20618.370	107313.840	81658.480	27697.180	56544.000
## [12656]	33065.800	49136.880	20229.030	18065.000	41942.100
## [12661]	115494.200	18217875.000	44768.760	64696.240	9853.855
## [12666]	11030668.000	58511.780	10486.200	41597.890	36029.300
## [12671]	78035.960	130174.440	63648.120	16744434.000	67481.240
## [12676]	20802.770	743752.000	38574.320	60176.610	53354.850
## [12681]	53354.850	14252.750	19287.935	15480.030	19436.305
## [12686]	165671.160	19889.440	30447.380	119443.290	19190.670
## [12691]	29485.440	44393.860	8057.715	30678.970	13190.345
## [12696]	17692.270	59907.780	12862489.000	91404.540	28497.510
## [12701]	16509983.000	57327.300	70543.770	53808.810	89367.270
## [12706]	116224.680	81463.600	9298.420	12160681.000	70481.190
## [12711]	15867.450	25173.500	10001727.000	68144.800	7762.595
## [12716]	35644.720	20455.050	26135.860	44740.760	57264.000
## [12721]	57920.580	10700217.000	105345.400	19005746.000	20223.000
## [12726]	52384.830	65945.700	81168.840	9536.420	174921.920
## [12731]	17057.830	19605.790	14161.120	14632.300	102927.080
## [12736]	14367.780	37070.000	36398.140	62953.620	31786.980
## [12741]	35681.420	62630.600	24418.330	6878041.000	76428.000
## [12746]	57602.600	7801076.000	62253.540	11919.420	20528.590
## [12751]	108734.130	20436.315	2135214.000	114897.200	69851.400
## [12756]	60061.640	14937.630	8137.625	43581.710	34628.060
## [12761]	61358.660	34980.210	130682.940	48996.080	44784.780
## [12766]	39066.640	73683.690	57792.300	11724729.000	85480.410
## [12771]	152252.240	34500.940	16183.750	17682.710	69363.870
## [12776]	17790.360	35286.500	18784.375	29968.560	14235.880
## [12781]	35108.510	59692.580	94969.560	18296.300	33652.170
## [12786]	60799.530	59579.370	29437.240	15319.520	16604.270
## [12791]	107836.320	102594.900	131557.440	74319.320	93139.650
## [12796]	35733.460	33346.340	116034.930	87199.020	128585.520
## [12801]	63617.920	12419416.000	100971.600	15881.550	60423.570
## [12806]	98087.760	7819105.000	8830.810	12443305.000	101748.160
## [12811]	19927.480	89469.760	17420.330	8923.745	43802.270
## [12816]	72699.660	116574.040	70447.260	16068.390	76440.520
## [12821]	49716.160	17169.465	145800.840	68140.200	68140.200
## [12826]	20487.905	19288.470	29074.200	44729.800	82240.980
## [12831]	5358478.000	10338689.000	176020.160	178814.160	12717672.000
## [12836]	57079.500	47330.910	88346.480	14060.340	114684.320
## [12841]	21725043.000	68751.750	177089.800	9022.160	40453.850
## [12846]	11958.695	61435.600	36820.360	14125.670	113048.460
## [12851]	8627.120	119680.560	67287.000	57856.200	18854.600
## [12856]	34428.720	74538.870	108258.270	38138.120	89269.800
## [12861]	58644.120	165396.200	18064.060	76850.250	83034.440
## [12866]	8393.545	35195.970	16381.950	62476.050	45595.080
## [12871]	86911.160	98175.720	9824.310	20663.810	36165.180

## [12876]	69304.040	15291.670	123947.360	16681206.000	29135.380
## [12881]	35806.510	130079.790	41364.360	59885.280	13251.255
## [12886]	21111055.000	99925.170	28102.060	3252194.000	82616.560
## [12891]	9045.485	8845.965	78637.180	22853346.000	97050.750
## [12896]	68629.600	14675.030	26309.540	42411.790	85688.490
## [12901]	20858.030	99980.360	49715.100	15279.715	92942.400
## [12906]	24466.500	33991.620	68845.360	17030.260	30305.190
## [12911]	177723.800	10424.525	81435.000	17628.000	16050698.000
## [12916]	15333.360	130433.680	20340.290	20987.560	35022.220
## [12921]	17393.305	31272.270	22428.960	70144.540	175127.040
## [12926]	19627.140	41319.070	106614.180	19593.130	28947.840
## [12931]	39292.440	16156.815	30410.330	157794.600	108115.050
## [12936]	55596.120	16837.430	23412.900	17039.160	62629.980
## [12941]	25780.780	59908.770	20357.690	124692.080	3449550.000
## [12946]	38323.070	26450.590	57913.840	17309.885	114148.240
## [12951]	42989.270	78038.800	12836927.000	17009.840	36722.380
## [12956]	73716.200	67321.160	10454.790	98620.980	15335.770
## [12961]	48725.580	77233.440	17243.240	142025.560	18967.130
## [12966]	34974.410	14656.140	31239.320	70737.780	18771.340
## [12971]	49854.920	109322.700	43849.260	29969.660	6113060.000
## [12976]	23550.470	14231.960	33718.730	24251.490	70160.180
## [12981]	16105.700	68267.040	33604.580	32971.850	3027467.000
## [12986]	44890.900	58137.440	15819.120	35739.700	82154.920
## [12991]	35348.120	143355.800	110692.470	46010.400	84389.440
## [12996]	51312.900	8572.585	68489.160	21205.720	10233.555
## [13001]	15906.400	16059.880	17592.340	119514.030	9360.515
## [13006]	18028.980	22255601.000	14135.230	113652.120	30559.300
## [13011]	17244.230	14867.690	16994.670	33841.550	32090.480
## [13016]	14665.310	8664.405	64980.720	90662.430	12941.135
## [13021]	14283.665	57442.500	14697.780	139118.040	34239.070
## [13026]	119612.280	17602.095	95569.200	687890.000	18721.870
## [13031]	94663.590	73610.500	42527.040	74036.960	8944.070
## [13036]	42578.460	40019.720	16750.040	108255.720	17235.880
## [13041]	25656.050	31763.360	88073.680	37691.170	13853473.000
## [13046]	76230.760	10620.460	72841.320	19797.220	54219.540
## [13051]	26463.440	20647.000	133581.150	133581.150	132753.520
## [13056]	9194.970	13251.570	8083.140	142319.720	17718.855
## [13061]	161272.040	109182.720	105450.660	18937701.000	109744.860
## [13066]	32344.640	15754.530	62155.020	42904.260	378844.000
## [13071]	18611.390	112815.480	71131.530	7518.150	50850.210
## [13076]	8308.235	28742.570	54651.780	75982.740	11299937.000
## [13081]	86885.430	122730.720	68654.620	20143.270	16114.245
## [13086]	14258646.000	179317.040	90674.430	109545.630	11680.310
## [13091]	22648.880	59930.640	30628.830	55163.820	55163.820
## [13096]	101103.480	175335.440	30228.820	17984.350	9844.050
## [13101]	42832.160	87538.240	19028.330	75916.960	11336.835
## [13106]	31846.760	70328.660	29491.380	14709.295	7171.260
## [13111]	40127.740	61451.040	97034.960	67255.600	35239.540
## [13116]	10614827.000	26498.200	112331.040	2171042.000	60584.760
## [13121]	30302.970	34599.800	13672.200	171613.600	14058.455
## [13126]	11038.375	30918.820	37201.060	77597.700	113402.790
## [13131]	138873.280	79783.600	61238.320	31953.030	33426.960
## [13136]	73057.160	134035.080	38011.720	75305.440	80966.820
## [13141]	80966.820	129417.270	32810.760	71738.160	42940.260
## [13146]	31503.240	101771.670	95031.840	28161.850	7573511.000
## [13151]	57697.740	57697.740	46360.110	86142.960	14899.970

## [13156]	43856.380	77456.760	36592.920	16511.620	39685.920
## [13161]	11790723.000	20940.420	101896.710	83158.260	27635.390
## [13166]	42671.510	86262.200	19170.730	47641.530	8884.825
## [13171]	58731.760	6117917.000	85677.300	85677.300	40332.610
## [13176]	10360.915	10585.100	20961.270	77874.090	39447.480
## [13181]	44378.190	14871.095	36454.030	63439.240	34180.940
## [13186]	105842.960	129605.520	6999997.000	20800.880	88827.660
## [13191]	93089.520	15568217.000	77375.400	22387.750	43531.820
## [13196]	49965.210	39550.490	344983.000	68289.320	34493.580
## [13201]	70342.300	117785.200	34769.690	21403.175	5505619.000
## [13206]	16934.760	59683.100	28417.580	16252.910	17693.340
## [13211]	44705.100	32631.540	22332.370	20227.380	32430.340
## [13216]	22219.570	18572.010	59673.220	58424.970	18309.760
## [13221]	37578.610	71980.260	24873.100	115476.120	16668.960
## [13226]	21167.555	15767.215	63675.840	52799.820	50733.180
## [13231]	50733.180	59412.780	65347.320	65347.320	72196.800
## [13236]	12804.965	30620.690	34458.060	10498.770	119094.640
## [13241]	19700.290	87520.660	20620.640	19765.860	39011.120
## [13246]	14471.610	33741.620	9058.045	9122.945	62351.400
## [13251]	67342.760	51324.820	74913.760	36698.530	7641.710
## [13256]	61369.360	14310.250	17624.380	20933.460	10127.625
## [13261]	14134.260	9669.050	25573.070	121881.240	137672.120
## [13266]	42474.200	9898.815	16241.520	21009.425	91702.140
## [13271]	39890.280	121187.490	110711.220	44423.160	33669.540
## [13276]	80676.840	16587.020	74557.580	14530.755	28393.640
## [13281]	35849.980	34631.430	38681.040	26515.990	60446.620
## [13286]	71251.600	7749555.000	16675.280	105449.340	14244.330
## [13291]	14925.810	10281.435	10179.645	69445.680	15873.840
## [13296]	41871.890	38964.650	117588.200	103351.980	43419.770
## [13301]	19517.560	26342.910	19879.050	18869.760	19081.510
## [13306]	173303.680	18399.840	26178.220	70074.000	20389.300
## [13311]	78570.280	17951532.000	76881.840	31767.330	17222.530
## [13316]	9412058.000	99469.740	39161.200	25462.290	37225.380
## [13321]	130076.800	43494.820	43534.900	12500.360	7755.295
## [13326]	21488.170	44058.440	22049.235	15745.020	24436.530
## [13331]	74008.840	139658.080	32776.720	8289509.000	60668.720
## [13336]	29764.370	16045.125	16540.380	80807.370	17137.710
## [13341]	24723.630	15360.580	29095.940	80094.960	21300576.000
## [13346]	93345.760	18289.680	160728.040	66484.360	75612.080
## [13351]	10009.905	25122.470	30619.560	80906.360	68475.240
## [13356]	70483.740	16347580.000	37516.410	70217.080	69932.080
## [13361]	27171.260	15900012.000	15450.440	112745.760	17024.050
## [13366]	16230069.000	40056.100	19112443.000	72629.940	19852.090
## [13371]	72279.400	32471.740	175572.440	120009.320	59868.930
## [13376]	59868.930	28796.820	34599.940	41015.550	16809.560
## [13381]	8810368.000	61699.100	18577.620	78722.560	10027.070
## [13386]	142974.960	25352.000	7981.735	26094.080	82647.690
## [13391]	43820.670	14791.615	5556554.000	25883.650	14906.670
## [13396]	12707378.000	8630.400	40878.850	10265.860	19809.270
## [13401]	19639956.000	34476.680	38856.530	43135.980	28702.520
## [13406]	9828073.000	43502.680	174552.840	16266.910	79510.950
## [13411]	93841.650	14329.240	83716.080	5539643.000	60529.080
## [13416]	37769.920	35755.690	68183.840	123915.990	16937.425
## [13421]	33132.940	87605.680	18157.950	19012.180	5613603.000
## [13426]	81842.520	59612.640	15339.750	325923.000	33441.590
## [13431]	49400.520	59207.560	160016.440	137798.880	36825.360

## [13436]	76387.050	14458.000	121274.240	31592.030	7021.910
## [13441]	23737.090	20789.075	14566.270	8246.785	34860.360
## [13446]	101316.640	54740.380	17576.520	66193.980	40511.740
## [13451]	73778.520	107288.160	18859.530	8272.200	57700.060
## [13456]	65937.120	265962.000	93350.640	17848583.000	32690.860
## [13461]	35971.490	7161.640	73884.600	43240.450	1717579.000
## [13466]	24415.290	72305.900	41792.400	175718.640	81100.800
## [13471]	33418.550	20466.630	30053.320	62661.540	66691.230
## [13476]	72936.680	32812.590	59650.230	63248.520	97431.900
## [13481]	63432.450	37471.520	105931.170	26686.140	36772.660
## [13486]	20849.210	81385.180	60253.110	12821.845	51682.080
## [13491]	39309.840	19805347.000	80288.080	47689.470	77633.040
## [13496]	32348.400	41159.540	41398.440	20758.540	59597.840
## [13501]	62756.200	100741.840	13944362.000	96047.220	33137.280
## [13506]	22443.960	22276.680	90135.030	127313.400	93955.160
## [13511]	48115.600	78668.000	21337278.000	17997617.000	74349.180
## [13516]	98828.920	18721299.000	87974.280	32700.000	9409.450
## [13521]	62976.280	81431.960	64363.920	56341.200	72817.020
## [13526]	106707.930	19631.260	19147.200	61465.780	16297.340
## [13531]	96048.000	8409.980	8968.555	32230.580	16321.820
## [13536]	60576.720	6326812.000	42900.180	144066.240	39800.360
## [13541]	126284.310	14971.720	15666.495	145282.240	28954.040
## [13546]	16285.675	72572.460	150131.680	40146.780	8974.555
## [13551]	34671.150	29090.500	7195.300	21471.580	76624.480
## [13556]	39362.030	17013.290	61167.900	126514.720	64901.370
## [13561]	142560.360	123828.520	125271.960	75994.220	70926.060
## [13566]	90781.530	5794377.000	146310.680	107911.600	41646.880
## [13571]	46268.400	33896.530	108484.380	35793.970	11712577.000
## [13576]	36817.940	8544730.000	32825.810	18940.820	14734.290
## [13581]	34493.920	17818.600	60015.320	18512.970	99520.500
## [13586]	31906.070	14937.490	39977.210	65858.480	32625.590
## [13591]	71025.400	11834.645	81093.160	10692.160	33702.740
## [13596]	118677.540	64511.340	16884797.000	85744.120	41329.560
## [13601]	87695.340	20059.980	139664.960	15319.650	22620.790
## [13606]	59146.360	10152115.000	38321.390	42903.790	16680.350
## [13611]	37188.100	20002.880	39628.990		

```
train$Credit_Score <- as.factor(train$Credit_Score)
```

```
is.factor(train$Credit_Score)
```

```
## [1] TRUE
```

```
str(train)
```

```
## 'data.frame':    100000 obs. of  38 variables:
## $ X                : int  1 2 3 4 5 6 7 8 9 10 ...
## $ ID               : int  5634 5635 5636 5637 5638 5639 5640 5641 5646 5647 ...
## $ Customer_ID      : chr   "CUS_0xd40" "CUS_0xd40" "CUS_0xd40" "CUS_0xd40" ...
## $ Month            : int  1 2 3 4 5 6 7 8 1 2 ...
## $ Name             : chr   "Aaron Maashoh" "Aaron Maashoh" "Aaron Maashoh" "Aaron Maashoh" ...
## $ Age              : int  23 23 23 23 23 23 23 23 28 28 ...
## $ SSN              : chr   "821-00-0265" "821-00-0265" "821-00-0265" "821-00-0265" ...
## $ Occupation       : chr   "Scientist" "Scientist" "Scientist" "Scientist" ...
## $ Annual_Income     : num  19114 19114 19114 19114 19114 ...
## $ Monthly_Inhand_Salary : num  1825 1825 1825 1825 1825 ...
## $ Num_Bank_Accounts : int  3 3 3 3 3 3 3 3 2 2 ...
## $ Num_Credit_Card   : int  4 4 4 4 4 4 4 4 4 4 ...
## $ Interest_Rate     : int  3 3 3 3 3 3 3 3 6 6 ...
## $ Num_of_Loan       : int  4 4 4 4 4 4 4 4 1 1 ...
## $ Type_of_Loan      : chr   "Auto Loan, Credit-BUILDER Loan, Personal Loan, and Home E
quity Loan" "Auto Loan, Credit-BUILDER Loan, Personal Loan, and Home Equity Loan" "Auto Loan, C
redit-BUILDER Loan, Personal Loan, and Home Equity Loan" "Auto Loan, Credit-BUILDER Loan, Perso
nal Loan, and Home Equity Loan" ...
## $ Delay_from_due_date : int  3 -1 3 5 6 8 3 3 3 7 ...
## $ Num_of_Delayed_Payment : num  7 6.5 7 4 6.5 4 8 6 4 1 ...
## $ Changed_Credit_Limit : num  11.27 11.27 10.27 6.27 11.27 ...
## $ Num_Credit_Inquiries : num  4 4 4 4 4 4 4 4 2 2 ...
## $ Credit_Mix        : chr   "" "Good" "Good" "Good" ...
## $ Outstanding_Debt   : num  810 810 810 810 810 ...
## $ Credit_Utilization_Ratio: num  26.8 31.9 28.6 31.4 24.8 ...
## $ Credit_History_Age : int  265 266 267 268 269 270 271 272 319 320 ...
## $ Payment_of_Min_Amount : chr   "No" "No" "No" "No" ...
## $ Total_EMI_per_month : num  49.6 49.6 49.6 49.6 49.6 ...
## $ Amount_invested_monthly : num  80.4 118.3 81.7 199.5 41.4 ...
## $ Payment_Behaviour   : chr   "High_spent_Small_value_payments" "Low_spent_Large_value_p
ayments" "Low_spent_Medium_value_payments" "Low_spent_Small_value_payments" ...
## $ Monthly_Balance     : num  312 285 331 223 341 ...
## $ Credit_Score        : Factor w/ 3 levels "Good","Poor",...: 1 1 1 1 1 1 1 3 3 1 ...
## $ AutoLoan            : int  1 1 1 1 1 1 1 1 0 0 ...
## $ CreditBuilderLoan   : int  1 1 1 1 1 1 1 1 1 1 ...
## $ PersonalLoan        : int  1 1 1 1 1 1 1 1 0 0 ...
## $ HomeEquityLoan      : int  1 1 1 1 1 1 1 1 0 0 ...
## $ NotSpecified        : int  0 0 0 0 0 0 0 0 0 0 ...
## $ MortgageLoan        : int  0 0 0 0 0 0 0 0 0 0 ...
## $ StudentLoan         : int  0 0 0 0 0 0 0 0 0 0 ...
## $ DebtConsolidationLoan : int  0 0 0 0 0 0 0 0 0 0 ...
## $ PaydayLoan          : int  0 0 0 0 0 0 0 0 0 0 ...
```

소수 둘째 자리까지 반올림 (Annuual_Income,
Monthly_Inhand_Salary,
Num_of_Delayed_Payment,

Changed_Credit_Limit, Outstanding_Debt, Credit_Utilization_Ratio, Total_EMI_per_month, Amount_invested_monthly, Monthly_Balance)

```
train$Annual_Income <- round(train$Annual_Income, 2)
train$Monthly_Inhand_Salary <- round(train$Monthly_Inhand_Salary, 2)
train$Num_of_Delayed_Payment <- round(train$Num_of_Delayed_Payment, 2)
train$Changed_Credit_Limit <- round(train$Changed_Credit_Limit, 2)
train$Outstanding_Debt <- round(train$Outstanding_Debt, 2)
train$Credit_Utilization_Ratio <- round(train$Credit_Utilization_Ratio, 2)
train$Total_EMI_per_month <- round(train$Total_EMI_per_month, 2)
train$Amount_invested_monthly <- round(train$Amount_invested_monthly, 2)
train$Monthly_Balance <- round(train$Monthly_Balance, 2)
```

```
train$Num_Credit_Inquiries <- as.integer(train$Num_Credit_Inquiries)
```

전체

```
model1 = polr(Credit_Score ~ Month + Age + Occupation + Annual_Income + Monthly_Inhand_Salary +
Num_Bank_Accounts + Num_Credit_Card + Interest_Rate + Num_of_Loan + Delay_from_due_date + Num_o
f_Delayed_Payment + Changed_Credit_Limit + Num_Credit_Inquiries + Credit_Mix + Outstanding_Debt
+ Credit_Utilization_Ratio + Credit_History_Age + Total_EMI_per_month + Amount_invested_monthly
+ Monthly_Balance + AutoLoan + CreditBuilderLoan + PersonalLoan + HomeEquityLoan + NotSpecified
+ MortgageLoan + StudentLoan + DebtConsolidationLoan + PaydayLoan, data = train, Hess = T)
```

```
## Warning in polr(Credit_Score ~ Month + Age + Occupation + Annual_Income + :
## design appears to be rank-deficient, so dropping some coefs
```

```
model1
```

```

## Call:
## polr(formula = Credit_Score ~ Month + Age + Occupation + Annual_Income +
##       Monthly_Inhand_Salary + Num_Bank_Accounts + Num_Credit_Card +
##       Interest_Rate + Num_of_Loan + Delay_from_due_date + Num_of_Delayed_Payment +
##       Changed_Credit_Limit + Num_Credit_Inquiries + Credit_Mix +
##       Outstanding_Debt + Credit_Utilization_Ratio + Credit_History_Age +
##       Total_EMI_per_month + Amount_invested_monthly + Monthly_Balance +
##       AutoLoan + CreditBuilderLoan + PersonalLoan + HomeEquityLoan +
##       NotSpecified + MortgageLoan + StudentLoan + DebtConsolidationLoan +
##       PaydayLoan, data = train, Hess = T)
##
## Coefficients:
##              Month              Age      OccupationArchitect
##      -3.508865e-02      1.899969e-03      6.267510e-02
##      OccupationDeveloper      OccupationDoctor      OccupationEngineer
##      5.127232e-02      8.523284e-02      -2.241050e-02
##      OccupationEntrepreneur      OccupationJournalist      OccupationLawyer
##      5.749221e-02      -3.632691e-02      7.395954e-02
##      OccupationManager      OccupationMechanic      OccupationMedia_Manager
##      6.811381e-02      1.218190e-01      8.243446e-02
##      OccupationMusician      OccupationScientist      OccupationTeacher
##      5.075874e-02      6.603684e-03      -3.041071e-02
##      OccupationWriter      Annual_Income      Monthly_Inhand_Salary
##      1.275746e-01      1.081356e-08      2.810942e-05
##      Num_Bank_Accounts      Num_Credit_Card      Interest_Rate
##      -4.014760e-02      4.711260e-02      -4.302594e-02
##      Num_of_Loan      Delay_from_due_date      Num_of_Delayed_Payment
##      -1.987373e-02      -4.420299e-03      1.358410e-05
##      Changed_Credit_Limit      Num_Credit_Inquiries      Credit_MixBad
##      3.274881e-02      -2.825126e-06      2.839461e+00
##      Credit_MixGood      Credit_MixStandard      Outstanding_Debt
##      3.321497e-01      3.045284e+00      -1.266928e-04
##      Credit_Utilization_Ratio      Credit_History_Age      Total_EMI_per_month
##      1.848118e-03      1.135565e-03      -6.452195e-08
##      Amount_invested_monthly      Monthly_Balance      AutoLoan
##      -3.297709e-04      2.864053e-05      -9.033884e-03
##      CreditBuilderLoan      PersonalLoan      HomeEquityLoan
##      -2.456197e-02      2.533270e-02      1.487969e-03
##      NotSpecified      MortgageLoan      StudentLoan
##      -3.031269e-02      -1.257144e-02      -4.720850e-02
##      DebtConsolidationLoan
##      2.970700e-03
##
## Intercepts:
##      Good|Poor      Poor|Standard
##      0.09368695      1.77598538
##
## Residual Deviance: 177397.75
## AIC: 177487.75

```

type of loan **대출** (AutoLoan, CreditBuilderLoan, PersonalLoan, HomeEquityLoan, NotSpecified, MortgageLoan, StudentLoan, DebtConsolidationLoan, PaydayLoan)

```
model2 = polr(Credit_Score ~ Month + Age + Occupation + Annual_Income + Monthly_Inhand_Salary +  
Num_Bank_Accounts + Num_Credit_Card + Interest_Rate + Num_of_Loan + Delay_from_due_date + Num_o  
f_Delayed_Payment + Changed_Credit_Limit + Num_Credit_Inquiries + Credit_Mix + Outstanding_Debt  
+ Credit_Utilization_Ratio + Credit_History_Age + Total_EMI_per_month + Amount_invested_monthly  
+ Monthly_Balance, data = train, Hess = T)
```

```
model2
```

```
## Call:
## polr(formula = Credit_Score ~ Month + Age + Occupation + Annual_Income +
##       Monthly_Inhand_Salary + Num_Bank_Accounts + Num_Credit_Card +
##       Interest_Rate + Num_of_Loan + Delay_from_due_date + Num_of_Delayed_Payment +
##       Changed_Credit_Limit + Num_Credit_Inquiries + Credit_Mix +
##       Outstanding_Debt + Credit_Utilization_Ratio + Credit_History_Age +
##       Total_EMI_per_month + Amount_invested_monthly + Monthly_Balance,
##       data = train, Hess = T)
##
## Coefficients:
##               Month                Age      OccupationArchitect
##          -3.497190e-02          1.586440e-03          8.588744e-02
##      OccupationDeveloper      OccupationDoctor      OccupationEngineer
##          6.424416e-02          1.043866e-01          7.954391e-03
##      OccupationEntrepreneur      OccupationJournalist      OccupationLawyer
##          7.272741e-02          -1.066123e-02          9.042599e-02
##          OccupationManager      OccupationMechanic      OccupationMedia_Manager
##          9.240635e-02          1.471019e-01          1.035050e-01
##      OccupationMusician      OccupationScientist      OccupationTeacher
##          6.654259e-02          3.586302e-02          -3.740160e-03
##      OccupationWriter      Annual_Income      Monthly_Inhand_Salary
##          1.537296e-01          6.261262e-09          2.567247e-05
##      Num_Bank_Accounts      Num_Credit_Card      Interest_Rate
##          -4.136661e-02          4.809020e-02          -4.369490e-02
##      Num_of_Loan      Delay_from_due_date      Num_of_Delayed_Payment
##          -2.784531e-02          -4.918716e-03          1.310165e-06
##      Changed_Credit_Limit      Num_Credit_Inquiries      Credit_MixBad
##          3.210358e-02          -3.290275e-05          2.165139e+00
##          Credit_MixGood      Credit_MixStandard      Outstanding_Debt
##          -3.391637e-01          2.388209e+00          -1.203496e-04
##      Credit_Utilization_Ratio      Credit_History_Age      Total_EMI_per_month
##          2.581043e-03          1.168469e-03          2.905370e-06
##      Amount_invested_monthly      Monthly_Balance
##          -2.935023e-04          9.806862e-05
##
## Intercepts:
##      Good|Poor Poor|Standard
##      -0.5143666      1.1639049
##
## Residual Deviance: 177463.18
## AIC: 177537.18
## Warning: did not converge as iteration limit reached
```

수치형만

```
model3 = polr(Credit_Score ~ Month + Age + Annual_Income + Monthly_Inhand_Salary + Num_Bank_Accounts + Num_Credit_Card + Interest_Rate + Num_of_Loan + Delay_from_due_date + Num_of_Delayed_Payment + Changed_Credit_Limit + Num_Credit_Inquiries + Outstanding_Debt + Credit_Utilization_Ratio + Credit_History_Age + Total_EMI_per_month + Amount_invested_monthly + Monthly_Balance + AutoLoan + CreditBuilderLoan + PersonalLoan + HomeEquityLoan + NotSpecified + MortgageLoan + StudentLoan + DebtConsolidationLoan + PaydayLoan, data = train, Hess = T)
```



```
## Warning in polr(Credit_Score ~ Month + Age + Annual_Income +  
## Monthly_Inhand_Salary + : design appears to be rank-deficient, so dropping some  
## coefs
```

```
model3
```

```
## Call:  
## polr(formula = Credit_Score ~ Month + Age + Annual_Income + Monthly_Inhand_Salary +  
##   Num_Bank_Accounts + Num_Credit_Card + Interest_Rate + Num_of_Loan +  
##   Delay_from_due_date + Num_of_Delayed_Payment + Changed_Credit_Limit +  
##   Num_Credit_Inquiries + Outstanding_Debt + Credit_Utilization_Ratio +  
##   Credit_History_Age + Total_EMI_per_month + Amount_invested_monthly +  
##   Monthly_Balance + AutoLoan + CreditBuilderLoan + PersonalLoan +  
##   HomeEquityLoan + NotSpecified + MortgageLoan + StudentLoan +  
##   DebtConsolidationLoan + PaydayLoan, data = train, Hess = T)  
##  
## Coefficients:  
##           Month                Age          Annual_Income  
##      -3.052622e-02      -2.782158e-03      7.065703e-09  
##   Monthly_Inhand_Salary   Num_Bank_Accounts   Num_Credit_Card  
##      1.994608e-05      1.147606e-01      4.414294e-02  
##      Interest_Rate      Num_of_Loan      Delay_from_due_date  
##      7.564703e-04      -3.044128e-02      -1.070918e-03  
##   Num_of_Delayed_Payment   Changed_Credit_Limit   Num_Credit_Inquiries  
##      5.367396e-05      5.812795e-02      -5.647750e-06  
##      Outstanding_Debt   Credit_Utilization_Ratio   Credit_History_Age  
##      -3.343809e-04      -8.808409e-05      -2.624934e-04  
##      Total_EMI_per_month   Amount_invested_monthly   Monthly_Balance  
##      -3.575922e-07      -5.747889e-04      -3.288607e-04  
##           AutoLoan      CreditBuilderLoan      PersonalLoan  
##      -7.172802e-05      -1.532475e-02      2.379019e-02  
##      HomeEquityLoan      NotSpecified      MortgageLoan  
##      6.830183e-03      -2.350781e-02      -4.161120e-03  
##      StudentLoan      DebtConsolidationLoan  
##      -3.620985e-02      9.311732e-03  
##  
## Intercepts:  
##      Good|Poor Poor|Standard  
##      -1.1869117      0.2855995  
##  
## Residual Deviance: 194012.76  
## AIC: 194068.76
```

단계별 선택법

```
step(polr(Credit_Score ~1, train), scope = list(lower ~ 1, upper = ~ Month + Age + Occupation +  
Annual_Income + Monthly_Inhand_Salary + Num_Bank_Accounts + Num_Credit_Card + Interest_Rate + N  
um_of_Loan + Delay_from_due_date + Num_of_Delayed_Payment + Changed_Credit_Limit + Num_Credit_I  
nquiries + Credit_Mix + Outstanding_Debt + Credit_Utilization_Ratio + Credit_History_Age + Tota  
l_EMI_per_month + Amount_invested_monthly + Monthly_Balance + AutoLoan + CreditBuilderLoan + Pe  
rsonalLoan + HomeEquityLoan + NotSpecified + MortgageLoan + StudentLoan + DebtConsolidationLoan  
+ PaydayLoan), direction = "both")
```

```

## Start:  AIC=200454.4
## Credit_Score ~ 1
##
##              Df    AIC
## + Credit_Mix      3 181500
## + Changed_Credit_Limit  1 197626
## + Num_Bank_Accounts    1 198911
## + Num_Credit_Card      1 200151
## + Amount_invested_monthly 1 200191
## + Monthly_Inhand_Salary 1 200196
## + Interest_Rate        1 200210
## + Credit_History_Age   1 200239
## + Month                1 200321
## + Age                  1 200325
## + Delay_from_due_date  1 200341
## + Monthly_Balance      1 200366
## + Occupation           14 200400
## + Outstanding_Debt     1 200417
## + PersonalLoan         1 200435
## + Num_of_Loan          1 200444
## + DebtConsolidationLoan 1 200449
## + Credit_Utilization_Ratio 1 200450
## + Num_of_Delayed_Payment 1 200451
## + HomeEquityLoan       1 200451
## + StudentLoan          1 200452
## + AutoLoan             1 200453
## + CreditBuilderLoan    1 200453
## <none>                200454
## + Annual_Income        1 200455
## + PaydayLoan           1 200455
## + MortgageLoan         1 200456
## + Total_EMI_per_month  1 200456
## + NotSpecified         1 200456
## + Num_Credit_Inquiries 1 200456
##
## Step:  AIC=181500.4
## Credit_Score ~ Credit_Mix
##
##              Df    AIC
## + Interest_Rate      1 179273
## + Credit_History_Age  1 180977
## + Outstanding_Debt    1 181010
## + Num_of_Loan         1 181093
## + Num_Bank_Accounts   1 181143
## + Monthly_Balance     1 181178
## + Delay_from_due_date 1 181187
## + Changed_Credit_Limit 1 181201
## + Monthly_Inhand_Salary 1 181313
## + Month               1 181366
## + StudentLoan         1 181406
## + NotSpecified        1 181437
## + CreditBuilderLoan   1 181448
## + Age                 1 181449
## + MortgageLoan        1 181457
## + AutoLoan            1 181462

```

```

## + PaydayLoan          1 181465
## + HomeEquityLoan      1 181474
## + Credit_Utilization_Ratio 1 181476
## + Occupation          14 181478
## + DebtConsolidationLoan 1 181479
## + Annual_Income       1 181492
## + PersonalLoan        1 181493
## + Amount_invested_monthly 1 181498
## <none>                181500
## + Num_of_Delayed_Payment 1 181502
## + Num_Credit_Inquiries 1 181502
## + Num_Credit_Card     1 181502
## + Total_EMI_per_month 1 181502
## - Credit_Mix          3 200454
##
## Step: AIC=179273.1
## Credit_Score ~ Credit_Mix + Interest_Rate
##
##              Df      AIC
## + Changed_Credit_Limit 1 178790
## + Monthly_Balance      1 179084
## + Credit_History_Age   1 179103
## + Num_Bank_Accounts    1 179116
## + Num_of_Loan          1 179131
## + Month                1 179134
## + Outstanding_Debt     1 179166
## + Delay_from_due_date  1 179185
## + Monthly_Inhand_Salary 1 179185
## + Num_Credit_Card      1 179210
## + StudentLoan          1 179223
## + NotSpecified         1 179245
## + Occupation           14 179251
## + CreditBuilderLoan    1 179252
## + MortgageLoan         1 179256
## + Credit_Utilization_Ratio 1 179256
## + Age                  1 179258
## + AutoLoan             1 179264
## + PaydayLoan           1 179265
## + Annual_Income        1 179266
## + HomeEquityLoan       1 179269
## + DebtConsolidationLoan 1 179270
## <none>                179273
## + Amount_invested_monthly 1 179275
## + Num_of_Delayed_Payment 1 179275
## + PersonalLoan         1 179275
## + Num_Credit_Inquiries 1 179275
## + Total_EMI_per_month  1 179275
## - Interest_Rate        1 181500
## - Credit_Mix           3 200210
##
## Step: AIC=178789.7
## Credit_Score ~ Credit_Mix + Interest_Rate + Changed_Credit_Limit
##
##              Df      AIC
## + Outstanding_Debt     1 178393
## + Credit_History_Age   1 178439

```

```

## + Num_of_Loan          1 178539
## + Monthly_Balance      1 178571
## + Num_Bank_Accounts    1 178615
## + Month                1 178650
## + Monthly_Inhand_Salary 1 178691
## + Delay_from_due_date  1 178693
## + StudentLoan          1 178719
## + Num_Credit_Card      1 178740
## + NotSpecified         1 178748
## + CreditBuilderLoan    1 178754
## + MortgageLoan        1 178763
## + Occupation           14 178766
## + Age                  1 178767
## + Credit_Utilization_Ratio 1 178771
## + AutoLoan             1 178771
## + PaydayLoan           1 178775
## + HomeEquityLoan       1 178778
## + DebtConsolidationLoan 1 178780
## + Annual_Income        1 178784
## + PersonalLoan         1 178789
## <none>                  178790
## + Num_of_Delayed_Payment 1 178791
## + Amount_invested_monthly 1 178792
## + Num_Credit_Inquiries 1 178792
## + Total_EMI_per_month  1 178792
## - Changed_Credit_Limit 1 179273
## - Interest_Rate        1 181201
## - Credit_Mix           3 197626
##
## Step:  AIC=178392.5
## Credit_Score ~ Credit_Mix + Interest_Rate + Changed_Credit_Limit +
##      Outstanding_Debt
##
##              Df    AIC
## + Credit_History_Age      1 178197
## + Monthly_Balance         1 178215
## + Num_Bank_Accounts       1 178245
## + Month                   1 178252
## + Num_of_Loan             1 178263
## + Num_Credit_Card         1 178308
## + Monthly_Inhand_Salary   1 178316
## + Delay_from_due_date     1 178323
## + StudentLoan             1 178345
## + NotSpecified            1 178365
## + Occupation              14 178368
## + CreditBuilderLoan       1 178370
## + Credit_Utilization_Ratio 1 178376
## + Age                     1 178377
## + MortgageLoan            1 178380
## + AutoLoan                 1 178386
## + Annual_Income           1 178387
## + PaydayLoan              1 178389
## + DebtConsolidationLoan   1 178390
## + HomeEquityLoan          1 178390
## <none>                     178393
## + Amount_invested_monthly 1 178393

```

```

## + Num_of_Delayed_Payment      1 178394
## + Num_Credit_Inquiries         1 178394
## + PersonalLoan                 1 178395
## + Total_EMI_per_month         1 178395
## - Outstanding_Debt            1 178790
## - Changed_Credit_Limit        1 179166
## - Interest_Rate               1 180236
## - Credit_Mix                  3 196150
##
## Step: AIC=178197.3
## Credit_Score ~ Credit_Mix + Interest_Rate + Changed_Credit_Limit +
##      Outstanding_Debt + Credit_History_Age
##
##              Df      AIC
## + Month              1 178045
## + Monthly_Balance    1 178048
## + Num_Bank_Accounts  1 178064
## + Num_Credit_Card    1 178100
## + Num_of_Loan        1 178122
## + Monthly_Inhand_Salary 1 178132
## + Delay_from_due_date 1 178136
## + StudentLoan        1 178163
## + Occupation         14 178172
## + NotSpecified       1 178178
## + Credit_Utilization_Ratio 1 178183
## + CreditBuilderLoan   1 178183
## + Age                1 178189
## + MortgageLoan       1 178191
## + Annual_Income      1 178191
## + AutoLoan           1 178195
## + Amount_invested_monthly 1 178197
## + PaydayLoan         1 178197
## + HomeEquityLoan     1 178197
## <none>                178197
## + DebtConsolidationLoan 1 178198
## + PersonalLoan       1 178199
## + Num_of_Delayed_Payment 1 178199
## + Num_Credit_Inquiries 1 178199
## + Total_EMI_per_month 1 178199
## - Credit_History_Age  1 178393
## - Outstanding_Debt    1 178439
## - Changed_Credit_Limit 1 179062
## - Interest_Rate       1 179840
## - Credit_Mix          3 196075
##
## Step: AIC=178045.4
## Credit_Score ~ Credit_Mix + Interest_Rate + Changed_Credit_Limit +
##      Outstanding_Debt + Credit_History_Age + Month
##
##              Df      AIC
## + Monthly_Balance    1 177897
## + Num_Bank_Accounts  1 177911
## + Num_Credit_Card    1 177948
## + Num_of_Loan        1 177971
## + Monthly_Inhand_Salary 1 177981
## + Delay_from_due_date 1 177983

```

```

## + StudentLoan          1 178011
## + Occupation          14 178020
## + NotSpecified        1 178027
## + Credit_Utilization_Ratio 1 178030
## + CreditBuilderLoan    1 178031
## + Age                 1 178036
## + MortgageLoan        1 178039
## + Annual_Income       1 178040
## + AutoLoan            1 178043
## + Amount_invested_monthly 1 178045
## + PaydayLoan          1 178045
## <none>                178045
## + HomeEquityLoan      1 178045
## + DebtConsolidationLoan 1 178046
## + PersonalLoan        1 178047
## + Num_of_Delayed_Payment 1 178047
## + Num_Credit_Inquiries 1 178047
## + Total_EMI_per_month 1 178047
## - Month               1 178197
## - Credit_History_Age  1 178252
## - Outstanding_Debt    1 178284
## - Changed_Credit_Limit 1 178915
## - Interest_Rate       1 179689
## - Credit_Mix          3 195948
##
## Step: AIC=177896.7
## Credit_Score ~ Credit_Mix + Interest_Rate + Changed_Credit_Limit +
##      Outstanding_Debt + Credit_History_Age + Month + Monthly_Balance
##
##              Df      AIC
## + Num_Bank_Accounts    1 177773
## + Num_Credit_Card      1 177794
## + Delay_from_due_date  1 177838
## + Num_of_Loan          1 177864
## + Occupation          14 177870
## + StudentLoan          1 177872
## + NotSpecified        1 177885
## + Age                 1 177888
## + CreditBuilderLoan    1 177889
## + Annual_Income       1 177893
## + MortgageLoan        1 177894
## + PersonalLoan        1 177896
## + Credit_Utilization_Ratio 1 177897
## <none>                177897
## + AutoLoan            1 177897
## + PaydayLoan          1 177898
## + Amount_invested_monthly 1 177898
## + HomeEquityLoan      1 177898
## + Num_of_Delayed_Payment 1 177898
## + Monthly_Inhand_Salary 1 177899
## + DebtConsolidationLoan 1 177899
## + Num_Credit_Inquiries 1 177899
## + Total_EMI_per_month 1 177899
## - Monthly_Balance     1 178045
## - Month               1 178048
## - Credit_History_Age  1 178075

```

```

## - Outstanding_Debt          1 178115
## - Changed_Credit_Limit      1 178770
## - Interest_Rate             1 179482
## - Credit_Mix                3 195931
##
## Step: AIC=177773.2
## Credit_Score ~ Credit_Mix + Interest_Rate + Changed_Credit_Limit +
##     Outstanding_Debt + Credit_History_Age + Month + Monthly_Balance +
##     Num_Bank_Accounts
##
##                               Df    AIC
## + Num_Credit_Card           1 177646
## + Delay_from_due_date       1 177737
## + Num_of_Loan               1 177743
## + StudentLoan               1 177747
## + Occupation                14 177748
## + NotSpecified              1 177762
## + Age                       1 177765
## + CreditBuilderLoan         1 177766
## + Annual_Income             1 177769
## + PersonalLoan              1 177772
## + MortgageLoan              1 177772
## + Credit_Utilization_Ratio  1 177773
## <none>                      177773
## + AutoLoan                  1 177773
## + Amount_invested_monthly   1 177774
## + HomeEquityLoan            1 177775
## + Num_of_Delayed_Payment    1 177775
## + PaydayLoan                1 177775
## + DebtConsolidationLoan     1 177775
## + Total_EMI_per_month       1 177775
## + Monthly_Inhand_Salary     1 177775
## + Num_Credit_Inquiries      1 177775
## - Num_Bank_Accounts         1 177897
## - Monthly_Balance           1 177911
## - Month                     1 177925
## - Credit_History_Age        1 177940
## - Outstanding_Debt          1 177978
## - Changed_Credit_Limit      1 178647
## - Interest_Rate             1 179247
## - Credit_Mix                3 194415
##
## Step: AIC=177645.7
## Credit_Score ~ Credit_Mix + Interest_Rate + Changed_Credit_Limit +
##     Outstanding_Debt + Credit_History_Age + Month + Monthly_Balance +
##     Num_Bank_Accounts + Num_Credit_Card
##
##                               Df    AIC
## + Delay_from_due_date       1 177590
## + Num_of_Loan               1 177614
## + Occupation                14 177617
## + StudentLoan               1 177619
## + NotSpecified              1 177634
## + Age                       1 177637
## + CreditBuilderLoan         1 177639
## + Annual_Income             1 177642

```



```

## + MortgageLoan          1 177644
## + PersonalLoan          1 177644
## + AutoLoan              1 177646
## + Credit_Utilization_Ratio 1 177646
## <none>                  177646
## + Amount_invested_monthly 1 177647
## + PaydayLoan            1 177647
## + Num_of_Delayed_Payment 1 177647
## + HomeEquityLoan        1 177648
## + DebtConsolidationLoan 1 177648
## + Monthly_Inhand_Salary 1 177648
## + Total_EMI_per_month   1 177648
## + Num_Credit_Inquiries  1 177648
## - Num_Credit_Card        1 177773
## - Monthly_Balance        1 177788
## - Num_Bank_Accounts       1 177794
## - Month                   1 177798
## - Credit_History_Age      1 177824
## - Outstanding_Debt        1 177877
## - Changed_Credit_Limit    1 178525
## - Interest_Rate           1 179209
## - Credit_Mix              3 194277
##
## Step: AIC=177590.2
## Credit_Score ~ Credit_Mix + Interest_Rate + Changed_Credit_Limit +
##      Outstanding_Debt + Credit_History_Age + Month + Monthly_Balance +
##      Num_Bank_Accounts + Num_Credit_Card + Delay_from_due_date
##
##
##              Df      AIC
## + Num_of_Loan          1 177560
## + Occupation           14 177562
## + StudentLoan          1 177563
## + NotSpecified         1 177578
## + Age                  1 177582
## + CreditBuilderLoan    1 177583
## + Annual_Income        1 177586
## + PersonalLoan         1 177588
## + MortgageLoan         1 177588
## + AutoLoan             1 177590
## + Credit_Utilization_Ratio 1 177590
## <none>                 177590
## + Amount_invested_monthly 1 177592
## + PaydayLoan           1 177592
## + Num_of_Delayed_Payment 1 177592
## + HomeEquityLoan       1 177592
## + Monthly_Inhand_Salary 1 177592
## + DebtConsolidationLoan 1 177592
## + Num_Credit_Inquiries  1 177592
## + Total_EMI_per_month   1 177592
## - Delay_from_due_date    1 177646
## - Num_Bank_Accounts      1 177711
## - Monthly_Balance        1 177731
## - Num_Credit_Card        1 177737
## - Month                   1 177743
## - Credit_History_Age     1 177764
## - Outstanding_Debt       1 177810

```

```

## - Changed_Credit_Limit      1 178463
## - Interest_Rate             1 179064
## - Credit_Mix                3 194273
##
## Step:  AIC=177559.7
## Credit_Score ~ Credit_Mix + Interest_Rate + Changed_Credit_Limit +
##      Outstanding_Debt + Credit_History_Age + Month + Monthly_Balance +
##      Num_Bank_Accounts + Num_Credit_Card + Delay_from_due_date +
##      Num_of_Loan
##
##              Df      AIC
## + Occupation      14 177530
## + StudentLoan      1 177546
## + PersonalLoan      1 177547
## + Age              1 177553
## + Annual_Income     1 177556
## + NotSpecified      1 177557
## + CreditBuilderLoan 1 177559
## + Credit_Utilization_Ratio 1 177559
## + HomeEquityLoan    1 177560
## + DebtConsolidationLoan 1 177560
## <none>              177560
## + Monthly_Inhand_Salary 1 177560
## + PaydayLoan        1 177560
## + Amount_invested_monthly 1 177561
## + Num_of_Delayed_Payment 1 177561
## + MortgageLoan      1 177562
## + AutoLoan          1 177562
## + Num_Credit_Inquiries 1 177562
## + Total_EMI_per_month 1 177562
## - Num_of_Loan       1 177590
## - Delay_from_due_date 1 177614
## - Monthly_Balance   1 177661
## - Num_Bank_Accounts 1 177679
## - Credit_History_Age 1 177701
## - Num_Credit_Card    1 177708
## - Month              1 177712
## - Outstanding_Debt   1 177745
## - Changed_Credit_Limit 1 178446
## - Interest_Rate      1 179002
## - Credit_Mix         3 194220
##
## Step:  AIC=177530.3
## Credit_Score ~ Credit_Mix + Interest_Rate + Changed_Credit_Limit +
##      Outstanding_Debt + Credit_History_Age + Month + Monthly_Balance +
##      Num_Bank_Accounts + Num_Credit_Card + Delay_from_due_date +
##      Num_of_Loan + Occupation
##
##              Df      AIC
## + StudentLoan      1 177517
## + PersonalLoan      1 177518
## + Age              1 177524
## + Annual_Income     1 177526
## + NotSpecified      1 177528
## + DebtConsolidationLoan 1 177530
## + Credit_Utilization_Ratio 1 177530

```

```

## + CreditBuilderLoan      1 177530
## <none>                    177530
## + HomeEquityLoan         1 177530
## + Monthly_Inhand_Salary  1 177531
## + Amount_invested_monthly 1 177531
## + Num_of_Delayed_Payment 1 177532
## + MortgageLoan           1 177532
## + AutoLoan               1 177532
## + Num_Credit_Inquiries   1 177532
## + Total_EMI_per_month    1 177532
## + PaydayLoan             1 177532
## - Occupation             14 177560
## - Num_of_Loan            1 177562
## - Delay_from_due_date    1 177584
## - Monthly_Balance        1 177632
## - Num_Bank_Accounts      1 177649
## - Credit_History_Age     1 177671
## - Num_Credit_Card        1 177681
## - Month                  1 177683
## - Outstanding_Debt       1 177716
## - Changed_Credit_Limit   1 178419
## - Interest_Rate          1 178974
## - Credit_Mix             3 194163
##
## Step: AIC=177516.7
## Credit_Score ~ Credit_Mix + Interest_Rate + Changed_Credit_Limit +
##      Outstanding_Debt + Credit_History_Age + Month + Monthly_Balance +
##      Num_Bank_Accounts + Num_Credit_Card + Delay_from_due_date +
##      Num_of_Loan + Occupation + StudentLoan
##
##              Df      AIC
## + PersonalLoan      1 177508
## + Age                1 177510
## + NotSpecified       1 177512
## + Annual_Income      1 177513
## + CreditBuilderLoan  1 177515
## + Credit_Utilization_Ratio 1 177516
## <none>                177517
## + Monthly_Inhand_Salary 1 177517
## + DebtConsolidationLoan 1 177518
## + Amount_invested_monthly 1 177518
## + HomeEquityLoan     1 177518
## + MortgageLoan       1 177518
## + PaydayLoan         1 177518
## + Num_of_Delayed_Payment 1 177518
## + AutoLoan           1 177519
## + Total_EMI_per_month 1 177519
## + Num_Credit_Inquiries 1 177519
## - StudentLoan        1 177530
## - Num_of_Loan        1 177535
## - Occupation         14 177546
## - Delay_from_due_date 1 177571
## - Monthly_Balance    1 177618
## - Num_Bank_Accounts  1 177637
## - Credit_History_Age 1 177656
## - Num_Credit_Card    1 177668

```

```

## - Month 1 177669
## - Outstanding_Debt 1 177702
## - Changed_Credit_Limit 1 178407
## - Interest_Rate 1 178960
## - Credit_Mix 3 194151
##
## Step: AIC=177507.7
## Credit_Score ~ Credit_Mix + Interest_Rate + Changed_Credit_Limit +
## Outstanding_Debt + Credit_History_Age + Month + Monthly_Balance +
## Num_Bank_Accounts + Num_Credit_Card + Delay_from_due_date +
## Num_of_Loan + Occupation + StudentLoan + PersonalLoan
##
## Df AIC
## + Age 1 177501
## + Annual_Income 1 177504
## + NotSpecified 1 177505
## + Credit_Utilization_Ratio 1 177507
## + CreditBuilderLoan 1 177507
## <none> 177508
## + HomeEquityLoan 1 177508
## + Monthly_Inhand_Salary 1 177508
## + DebtConsolidationLoan 1 177509
## + Amount_invested_monthly 1 177509
## + PaydayLoan 1 177509
## + Num_of_Delayed_Payment 1 177509
## + MortgageLoan 1 177510
## + AutoLoan 1 177510
## + Num_Credit_Inquiries 1 177510
## + Total_EMI_per_month 1 177510
## - PersonalLoan 1 177517
## - StudentLoan 1 177518
## - Num_of_Loan 1 177534
## - Occupation 14 177537
## - Delay_from_due_date 1 177562
## - Monthly_Balance 1 177610
## - Num_Bank_Accounts 1 177629
## - Credit_History_Age 1 177647
## - Num_Credit_Card 1 177659
## - Month 1 177660
## - Outstanding_Debt 1 177694
## - Changed_Credit_Limit 1 178398
## - Interest_Rate 1 178950
## - Credit_Mix 3 194146
##
## Step: AIC=177500.6
## Credit_Score ~ Credit_Mix + Interest_Rate + Changed_Credit_Limit +
## Outstanding_Debt + Credit_History_Age + Month + Monthly_Balance +
## Num_Bank_Accounts + Num_Credit_Card + Delay_from_due_date +
## Num_of_Loan + Occupation + StudentLoan + PersonalLoan + Age
##
## Df AIC
## + Annual_Income 1 177497
## + NotSpecified 1 177498
## + CreditBuilderLoan 1 177500
## <none> 177501
## + DebtConsolidationLoan 1 177501

```

```

## + Monthly_Inhand_Salary      1 177501
## + Credit_Utilization_Ratio    1 177501
## + HomeEquityLoan              1 177501
## + PaydayLoan                  1 177501
## + MortgageLoan                1 177503
## + AutoLoan                    1 177503
## + Num_Credit_Inquiries        1 177503
## + Total_EMI_per_month         1 177503
## + Amount_invested_monthly     1 177503
## + Num_of_Delayed_Payment      1 177503
## - Age                         1 177508
## - PersonalLoan                1 177510
## - StudentLoan                 1 177511
## - Num_of_Loan                 1 177526
## - Occupation                  14 177529
## - Delay_from_due_date         1 177555
## - Monthly_Balance             1 177602
## - Num_Bank_Accounts           1 177626
## - Credit_History_Age          1 177635
## - Num_Credit_Card             1 177653
## - Month                       1 177657
## - Outstanding_Debt            1 177687
## - Changed_Credit_Limit        1 178392
## - Interest_Rate               1 178932
## - Credit_Mix                  3 194126
##
## Step:  AIC=177497
## Credit_Score ~ Credit_Mix + Interest_Rate + Changed_Credit_Limit +
##      Outstanding_Debt + Credit_History_Age + Month + Monthly_Balance +
##      Num_Bank_Accounts + Num_Credit_Card + Delay_from_due_date +
##      Num_of_Loan + Occupation + StudentLoan + PersonalLoan + Age +
##      Annual_Income
##
##                               Df    AIC
## + NotSpecified                1 177494
## + Credit_Utilization_Ratio    1 177497
## + DebtConsolidationLoan        1 177497
## <none>                        177497
## + CreditBuilderLoan            1 177497
## + HomeEquityLoan               1 177497
## + Monthly_Inhand_Salary        1 177497
## + PaydayLoan                   1 177498
## + MortgageLoan                 1 177499
## + Amount_invested_monthly      1 177499
## + AutoLoan                     1 177499
## + Num_Credit_Inquiries         1 177499
## + Total_EMI_per_month          1 177499
## + Num_of_Delayed_Payment       1 177500
## - Annual_Income                1 177501
## - Age                          1 177504
## - PersonalLoan                 1 177506
## - StudentLoan                  1 177508
## - Num_of_Loan                  1 177522
## - Occupation                   14 177526
## - Delay_from_due_date          1 177551
## - Monthly_Balance              1 177598

```

```

## - Num_Bank_Accounts      1 177618
## - Credit_History_Age     1 177632
## - Num_Credit_Card        1 177649
## - Month                  1 177650
## - Outstanding_Debt       1 177682
## - Changed_Credit_Limit   1 178388
## - Interest_Rate          1 178931
## - Credit_Mix              3 194126
##
## Step: AIC=177494.2
## Credit_Score ~ Credit_Mix + Interest_Rate + Changed_Credit_Limit +
##   Outstanding_Debt + Credit_History_Age + Month + Monthly_Balance +
##   Num_Bank_Accounts + Num_Credit_Card + Delay_from_due_date +
##   Num_of_Loan + Occupation + StudentLoan + PersonalLoan + Age +
##   Annual_Income + NotSpecified
##
##              Df      AIC
## + CreditBuilderLoan      1 177492
## + Credit_Utilization_Ratio 1 177494
## <none>                    177494
## + DebtConsolidationLoan   1 177495
## + Monthly_Inhand_Salary   1 177495
## + HomeEquityLoan          1 177495
## + Amount_invested_monthly 1 177496
## + MortgageLoan            1 177496
## + Num_Credit_Inquiries    1 177496
## + Total_EMI_per_month     1 177496
## + PaydayLoan              1 177496
## + AutoLoan                1 177497
## + Num_of_Delayed_Payment   1 177497
## - NotSpecified            1 177497
## - Annual_Income           1 177498
## - PersonalLoan            1 177501
## - Age                     1 177501
## - StudentLoan             1 177507
## - Num_of_Loan             1 177510
## - Occupation              14 177523
## - Delay_from_due_date     1 177549
## - Monthly_Balance         1 177595
## - Num_Bank_Accounts       1 177615
## - Credit_History_Age      1 177629
## - Num_Credit_Card         1 177647
## - Month                   1 177648
## - Outstanding_Debt        1 177680
## - Changed_Credit_Limit    1 178386
## - Interest_Rate           1 178925
## - Credit_Mix              3 194122
##
## Step: AIC=177492.2
## Credit_Score ~ Credit_Mix + Interest_Rate + Changed_Credit_Limit +
##   Outstanding_Debt + Credit_History_Age + Month + Monthly_Balance +
##   Num_Bank_Accounts + Num_Credit_Card + Delay_from_due_date +
##   Num_of_Loan + Occupation + StudentLoan + PersonalLoan + Age +
##   Annual_Income + NotSpecified + CreditBuilderLoan
##
##              Df      AIC

```

```

## + Credit_Utilization_Ratio 1 177492
## <none> 177492
## + Monthly_Inhand_Salary 1 177493
## + MortgageLoan 1 177493
## + Amount_invested_monthly 1 177493
## + DebtConsolidationLoan 1 177494
## + AutoLoan 1 177494
## + HomeEquityLoan 1 177494
## + Num_of_Delayed_Payment 1 177494
## + PaydayLoan 1 177494
## + Num_Credit_Inquiries 1 177494
## - CreditBuilderLoan 1 177494
## + Total_EMI_per_month 1 177494
## - Annual_Income 1 177496
## - PersonalLoan 1 177497
## - NotSpecified 1 177497
## - Age 1 177499
## - Num_of_Loan 1 177500
## - StudentLoan 1 177507
## - Occupation 14 177521
## - Delay_from_due_date 1 177547
## - Monthly_Balance 1 177593
## - Num_Bank_Accounts 1 177613
## - Credit_History_Age 1 177628
## - Num_Credit_Card 1 177644
## - Month 1 177646
## - Outstanding_Debt 1 177678
## - Changed_Credit_Limit 1 178385
## - Interest_Rate 1 178924
## - Credit_Mix 3 194122
##
## Step: AIC=177492.1
## Credit_Score ~ Credit_Mix + Interest_Rate + Changed_Credit_Limit +
## Outstanding_Debt + Credit_History_Age + Month + Monthly_Balance +
## Num_Bank_Accounts + Num_Credit_Card + Delay_from_due_date +
## Num_of_Loan + Occupation + StudentLoan + PersonalLoan + Age +
## Annual_Income + NotSpecified + CreditBuilderLoan + Credit_Utilization_Ratio
##
## Df AIC
## <none> 177492
## - Credit_Utilization_Ratio 1 177492
## + Monthly_Inhand_Salary 1 177492
## + MortgageLoan 1 177493
## + Amount_invested_monthly 1 177493
## + DebtConsolidationLoan 1 177493
## + AutoLoan 1 177493
## + HomeEquityLoan 1 177494
## + Num_of_Delayed_Payment 1 177494
## + PaydayLoan 1 177494
## + Num_Credit_Inquiries 1 177494
## + Total_EMI_per_month 1 177494
## - CreditBuilderLoan 1 177494
## - Annual_Income 1 177496
## - NotSpecified 1 177496
## - PersonalLoan 1 177497
## - Age 1 177499

```

## - Num_of_Loan	1	177500
## - StudentLoan	1	177509
## - Occupation	14	177521
## - Delay_from_due_date	1	177546
## - Monthly_Balance	1	177581
## - Num_Bank_Accounts	1	177612
## - Credit_History_Age	1	177627
## - Num_Credit_Card	1	177645
## - Month	1	177646
## - Outstanding_Debt	1	177678
## - Changed_Credit_Limit	1	178385
## - Interest_Rate	1	178924
## - Credit_Mix	3	194125


```
## Call:
## polr(formula = Credit_Score ~ Credit_Mix + Interest_Rate + Changed_Credit_Limit +
##   Outstanding_Debt + Credit_History_Age + Month + Monthly_Balance +
##   Num_Bank_Accounts + Num_Credit_Card + Delay_from_due_date +
##   Num_of_Loan + Occupation + StudentLoan + PersonalLoan + Age +
##   Annual_Income + NotSpecified + CreditBuilderLoan + Credit_Utilization_Ratio,
##   data = train)
##
## Coefficients:
##           Credit_MixBad           Credit_MixGood           Credit_MixStandard
##           2.670329e+00           1.640891e-01           2.877880e+00
##           Interest_Rate       Changed_Credit_Limit       Outstanding_Debt
##           -4.311130e-02           3.274600e-02           -1.281486e-04
##           Credit_History_Age           Month           Monthly_Balance
##           1.144320e-03           -3.512969e-02           3.493256e-04
##           Num_Bank_Accounts       Num_Credit_Card       Delay_from_due_date
##           -4.054539e-02           4.706966e-02           -4.420407e-03
##           Num_of_Loan       OccupationArchitect       OccupationDeveloper
##           -1.533678e-02           5.902817e-02           4.440419e-02
##           OccupationDoctor       OccupationEngineer       OccupationEntrepreneur
##           8.154452e-02           -2.225116e-02           5.713236e-02
##           OccupationJournalist       OccupationLawyer       OccupationManager
##           -3.375925e-02           7.159405e-02           6.570746e-02
##           OccupationMechanic       OccupationMedia_Manager       OccupationMusician
##           1.240657e-01           7.790453e-02           4.702448e-02
##           OccupationScientist       OccupationTeacher       OccupationWriter
##           3.129997e-03           -2.607014e-02           1.236531e-01
##           StudentLoan       PersonalLoan           Age
##           -4.371957e-02           2.866544e-02           1.845150e-03
##           Annual_Income       NotSpecified       CreditBuilderLoan
##           1.091321e-08           -2.692382e-02           -2.127024e-02
## Credit_Utilization_Ratio
##           2.030436e-03
##
## Intercepts:
##           Good|Poor Poor|Standard
##           0.02848155  1.71094515
##
## Residual Deviance: 177420.11
## AIC: 177492.11
```

```
##### 결과 : Credit_Score ~ Credit_Mix + Interest_Rate + Changed_Credit_Limit + Outstanding_De
bt + Credit_History_Age + Month + Monthly_Balance + Num_Bank_Accounts + Num_Credit_Card + Delay
_from_due_date + Num_of_Loan + Occupation + StudentLoan + PersonalLoan + Age + Annual_Income +
NotSpecified + CreditBuilderLoan + Credit_Utilization_Ratio (AIC: 177492.11)
```

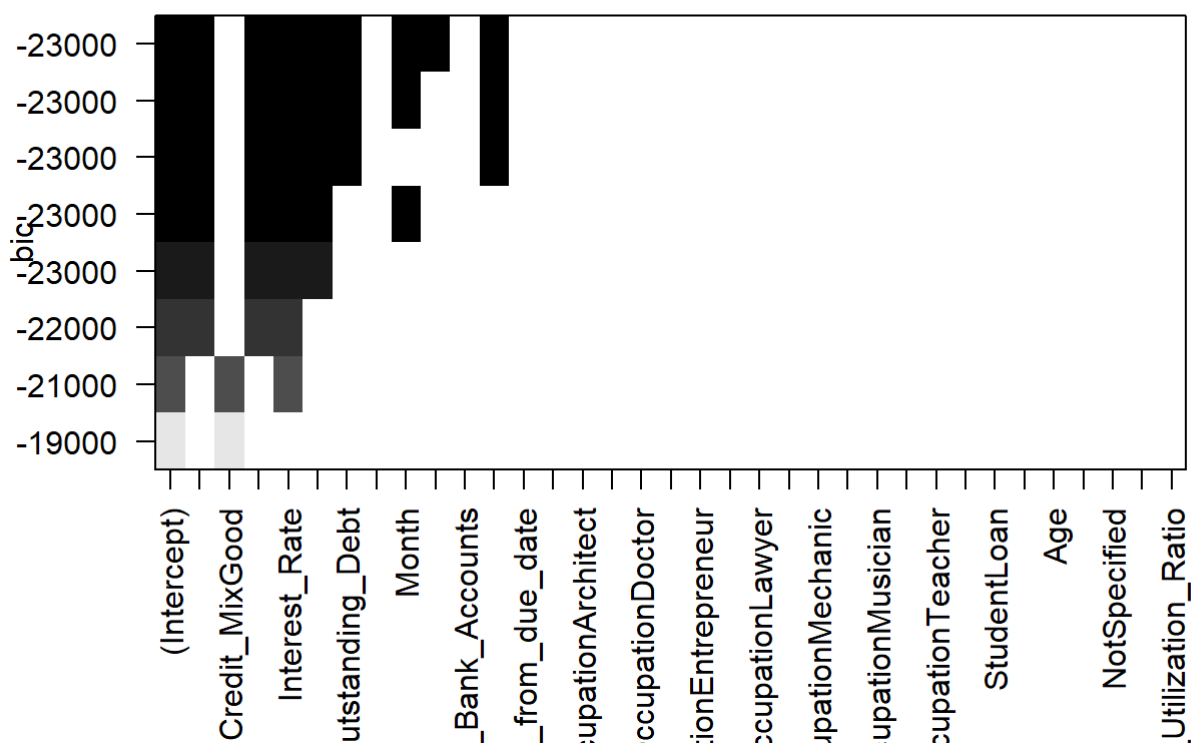
부분집합 회귀분석

```
library(leaps)
model4 <- regsubsets(Credit_Score ~ Credit_Mix + Interest_Rate + Changed_Credit_Limit + Outstanding_Debt + Credit_History_Age + Month + Monthly_Balance + Num_Bank_Accounts + Num_Credit_Card + Delay_from_due_date + Num_of_Loan + Occupation + StudentLoan + PersonalLoan + Age + Annual_Income + NotSpecified + CreditBuilderLoan + Credit_Utilization_Ratio, data = train)

summary(model4)$adjr2
```

```
## [1] 0.1692280 0.1936109 0.1997752 0.2034841 0.2048759 0.2062683 0.2076568
## [8] 0.2086483
```

```
plot(model4, scale = "bic")
```

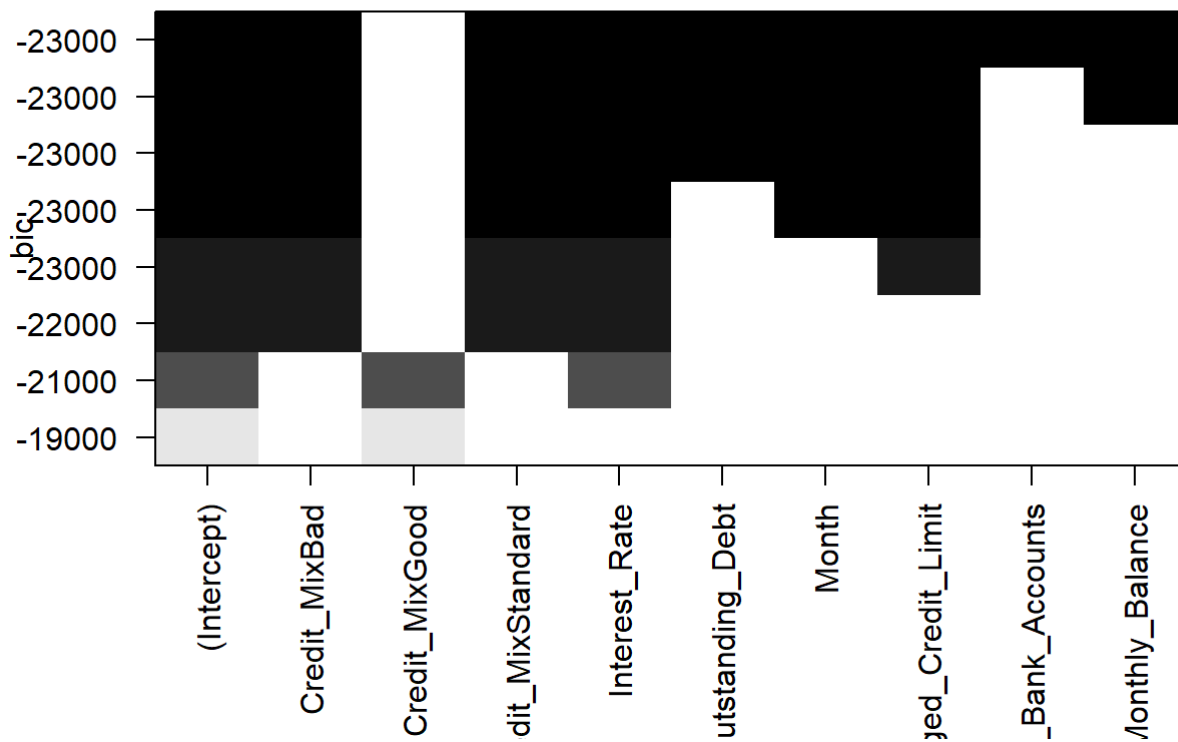


```
model5 <- regsubsets(Credit_Score ~ Credit_Mix + Interest_Rate + Outstanding_Debt + Month + Changed_Credit_Limit + Num_Bank_Accounts + Monthly_Balance, data = train)

summary(model5)$adjr2
```

```
## [1] 0.1692280 0.1936109 0.1997752 0.2034841 0.2048759 0.2060593 0.2069826
## [8] 0.2075484
```

```
plot(model5, scale = "bic")
```



```
plot(model5, scale = "adjr2")
```

