CreditCard_Prediction.R

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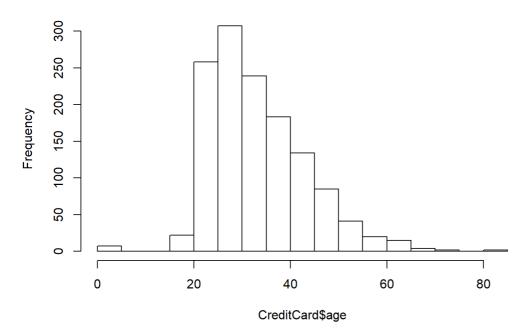
```
#Loading the dataset
#The dataset has been taken from AER package and can be obtained using:
library (AER)
## Loading required package: car
## Loading required package: lmtest
## Loading required package: zoo
## Attaching package: 'zoo'
## The following objects are masked from 'package:base':
##
\# \#
      as.Date, as.Date.numeric
## Loading required package: sandwich
## Loading required package: survival
data("CreditCard")
head(CreditCard)
## card reports
                   age income share expenditure owner selfemp
## 1 yes
         0 37.66667 4.5200 0.033269910 124.983300 yes no
## 2 yes
             0 33.25000 2.4200 0.005216942
                                           9.854167
                                         15.000000
## 3
    yes
             0 33.66667 4.5000 0.004155556
                                                     yes
             0 30.50000 2.5400 0.065213780 137.869200
## 4
            0 32.16667 9.7867 0.067050590 546.503300 yes
         0 32.16667 5.7667 5.7
## 5 yes
## 6 yes
                                         91.996670
##
  dependents months majorcards active
      3 54
## 1
                        1
## 2
                34
## 3
          4 58
                           1
## 4
           0 25
                           1
## 5
           2 64
                           1
                54
## 6
str(CreditCard)
## 'data.frame': 1319 obs. of 12 variables:
## $ card : Factor w/ 2 levels "no", "yes": 2 2 2 2 2 2 2 2 2 ...
## $ reports : num 0 0 0 0 0 0 0 0 0 ...
             : num 37.7 33.2 33.7 30.5 32.2 ...
## $ age
```

summary(CreditCard)

```
age
##
   card
              reports
                                               income
## no: 296 Min. : 0.0000 Min. : 0.1667 Min. : 0.210
                           1st Qu.:25.4167
   yes:1023
            1st Qu.: 0.0000
##
                                            1st Qu.: 2.244
##
            Median : 0.0000
                            Median :31.2500
                                            Median : 2.900
##
            Mean : 0.4564
                            Mean :33.2131
                                            Mean : 3.365
##
                                            3rd Qu.: 4.000
            3rd Qu.: 0.0000
                           3rd Qu.:39.4167
            Max. :14.0000 Max. :83.5000
##
                                           Max. :13.500
##
                    expenditure
      share
                                            selfemp
                                   owner
  Min. :0.0001091 Min. : 0.000 no :738 no :1228
##
##
   1st Qu.:0.0023159 1st Qu.: 4.583 yes:581 yes: 91
   Median :0.0388272 Median : 101.298
##
## Mean :0.0687322 Mean : 185.057
##
   3rd Qu.:0.0936168 3rd Qu.: 249.036
## Max. :0.9063205 Max. :3099.505
##
   dependents
                    months
                                majorcards
                                               active
##
   Min. :0.0000 Min. : 0.00
                                Min. :0.0000 Min. : 0.000
##
   1st Qu.:0.0000
                 1st Qu.: 12.00
                                1st Qu.:1.0000
                                               1st Qu.: 2.000
   Median :1.0000
                                Median :1.0000
                                              Median : 6.000
##
                 Median : 30.00
   Mean :0.9939
                 Mean : 55.27
                                Mean :0.8173
                                              Mean : 6.997
##
  3rd Qu.:2.0000 3rd Qu.: 72.00
                               3rd Qu.:1.0000
                                              3rd Qu.:11.000
##
## Max. :6.0000 Max. :540.00 Max. :1.0000 Max. :46.000
```

hist(CreditCard\$age)

Histogram of CreditCard\$age



library(ggplot2)

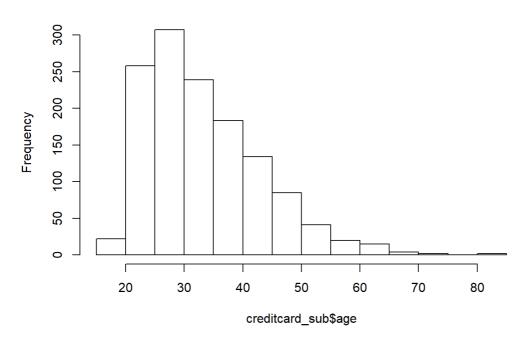
```
## Warning: package 'ggplot2' was built under R version 3.4.3
```

```
#Since age has few outliers, we will clean the data.
#Cleaning the dataset
creditcard_sub<-subset(CreditCard, age>18)
summary(creditcard_sub)
```

```
card
               reports
                                               income
                                  age
##
   no : 295
            Min. : 0.0000
                            Min. :18.17
                                           Min. : 0.210
##
   yes:1017
             1st Qu.: 0.0000
                             1st Qu.:25.42
                                            1st Qu.: 2.237
                            Median :31.29 Median : 2.900
##
             Median : 0.0000
##
             Mean : 0.4581 Mean :33.39 Mean : 3.367
##
             3rd Qu.: 0.0000 3rd Qu.:39.42
                                           3rd Qu.: 4.000
             Max. :14.0000 Max. :83.50 Max. :13.500
##
##
                     expenditure
      share
                                   owner
                                              selfemp
##
   Min. :0.0001091 Min. : 0.000 no :733 no :1221
   1st Qu.:0.0022080 1st Qu.: 4.583 yes:579
\#\ \#
                                              yes: 91
   Median :0.0387754 Median : 101.232
##
        :0.0686361
                     Mean
                          : 184.970
##
   Mean
##
   3rd Qu.:0.0935162
                     3rd Qu.: 248.971
##
   Max.
        :0.9063205
                    Max. :3099.505
##
     dependents
                     months
                                  majorcards
                                                     active
##
   Min.
        :0.0000
                  Min. : 0.00
                                  Min. :0.0000
                                                Min. : 0.000
                  1st Qu.: 12.00
                                 1st Qu.:1.0000
##
   1st Qu.:0.0000
                                                 1st Qu.: 2.000
                  Median : 30.00
   Median :1.0000
                                  Median :1.0000
##
                                                 Median : 6.000
##
   Mean :0.9939
                  Mean : 55.18
                                  Mean :0.8178
                                                 Mean : 6.999
   3rd Qu.:2.0000
                  3rd Qu.: 72.00
                                  3rd Qu.:1.0000
                                                 3rd Qu.:11.000
##
   Max. :6.0000
                  Max. :540.00
                                  Max.
                                       :1.0000
                                                 Max. :46.000
```

hist(creditcard sub\$age) #Histogram After removing Age

Histogram of creditcard_sub\$age



```
#Split the data into testing and training
library(caTools) #Library to split the data

## Warning: package 'caTools' was built under R version 3.4.3

split=sample.split(creditcard_sub, SplitRatio=0.7)

split

## [1] FALSE TRUE TRUE TRUE TRUE FALSE TRUE FALSE TRUE TRUE
## [12] TRUE
```

##		card	reports	age	income	share	expenditure	owner	selfemn)
##	1	yes	-	37.66667		0.0332699100	124.9833000	yes	no	
##	2	yes	0	33.25000	2.4200	0.0052169420	9.8541670	no	no)
##		yes		33.66667		0.0041555560	15.0000000	yes	no)
##		yes		30.50000		0.0652137800 0.0670505900	137.8692000 546.5033000	no	no	
##		yes yes		23.25000		0.0670303900	91.9966700	yes no	no no	
##		yes		27.91667		0.0125757600	40.8333300	no	no	
##	8	yes	0	29.16667	2.3700	0.0764337600	150.7900000	yes	no)
##	9	yes	0	37.00000	3.8000	0.2456279000	777.8217000	yes	no)
##		yes		28.41667		0.0197800000	52.5800000	no	no)
##		yes		30.50000		0.0780245600	256.6642000	yes	no	
	12 13	no no		42.00000		0.0006060606 0.0006936416	0.0000000	yes yes	no no	
##		yes		28.83333		0.0387955100	78.8741700	yes	no	
	15	yes		35.33333		0.0269067100	42.6150000	yes	no	
##	16	yes	0	41.16667	3.2000	0.1258194000	335.4350000	yes	no)
##	17	yes	0	40.08333	4.0000	0.0748157500	248.7192000	yes	no)
	18	no		29.50000		0.0004000000	0.0000000	yes	no	
	19	yes		39.50000		0.0657948600	548.0350000	yes	yes	
##	2.0	no yes		45.75000 35.25000		0.0003529412	0.0000000 43.3391700	no yes	no no	
	22	no		25.16667		0.00223033000	0.0000000	no	no	
	23	yes		34.25000		0.1311120000	218.5200000	yes	no	
##	24	yes	1	35.75000	4.0000	0.0511922500	170.6408000	no	no)
##	25	yes	0	42.66667	5.1400	0.0089494170	37.5833300	yes	no)
	26	yes		30.25000		0.1337421000	502.2017000	no	no)
##		no		21.66667		0.0003125000	0.0000000	no	yes	
	28 29	yes no		22.25000		0.0586080000	73.1766700	no yes	no no	
	30	yes		40.00000		0.3344596000		yes	no	
##		yes		21.83333		0.0253201400	42.6908300	no	no	
##	32	yes	1	29.41667	3.2000	0.1567194000	417.8350000	no	no)
	33	no	1	24.91667		0.0003809524	0.0000000	yes	no)
##		yes		21.00000		0.2689328000	552.7242000	yes	no	
	35 36	yes		23.83333		0.0890156600 0.1834562000	222.5392000 541.2958000	no	no	
	37	yes no		42.63333		0.0005252790	0.0000000	yes no	no no	
	38	yes		36.58333		0.1197419000	568.7742000	yes	no	
	39	yes		26.75000	3.5000	0.1181043000	344.4708000	no	no	
##	40	yes	0	27.75000	4.6000	0.1057439000	405.3517000	yes	no)
##	41	yes	0	26.25000	3.0000	0.1243750000	310.9375000	yes	no)
	42	yes				0.0250576400	53.6450000	no	no	
	43	yes				0.0512582800	63.9166700	no	no	
##	44	yes		30.00000		0.1075816000 0.0048076920	165.8550000 9.5833330	no	no no	
	45	yes no		28.16667		0.0048076920	0.0000000	no no	no yes	
	47	yes		35.58333		0.1920440000	319.4900000	no	no	
	48	no		37.75000		0.0003677823	0.0000000	no	no	
##	49	yes	0	26.08333	2.3500	0.0428510600	83.0833400	no	no)
	50	yes		27.75000		0.1105849000	644.8283000	yes	no)
##		no		49.75000		0.0003333333	0.0000000	no	no	
	52 53	yes		24.25000		0.0559685000	93.1975000 105.0450000	no	no	
##		yes yes		23.75000		0.0742082400	34.1250000	no no	no no	
	55	yes		25.75000		0.0207195800	41.1891700	no	no	
	56	yes		32.91667		0.0680220000	169.8883000	no	no	
##	57	yes	0	34.33333	4.8000	0.4745083000	1898.0330000	no	no)
##	58	yes	0	33.25000	3.1800	0.3058082000	810.3917000	no	no)
	59	no		44.66667		0.0006666667	0.0000000	no	no	
	60	yes		21.16667		0.0265533300	32.7750000	no	no	
##	61	yes		25.08333 27.16667		0.0384530000 0.0149280700	95.7991600 27.7800000	no	no	
	63	yes yes		26.41667		0.0149280700	215.0692000	no no	no no	
##		yes		22.00000		0.0354492600	79.5108300	no	no	
	65	no		27.33333		0.0002448980	0.0000000	yes	no	
##						0 0004800000	0 000000	200		

## 00	110	O 70.T0001		0.0004000000	0.0000000	110	уеь
## 67	yes	0 40.75000	6.0000	0.0612396600	306.0317000	no	yes
## 68	yes	0 42.08333	3.9000	0.0322161500	104.5358000	no	no
## 69	no	0 21.66667	5.1000	0.0002352941	0.0000000	no	no
## 70	yes	0 24.66667	3.0740	0.2508032000	642.4742000	no	no
## 71	_			0.1503596000	308.0492000		
	yes					yes	no
## 72	yes	0 27.41667	2.0000	0.1118120000	186.3533000	no	no
## 73	yes	0 33.00000	3.2480	0.0208987100	56.1491700	no	no
## 74	yes	0 37.33333	2.7250	0.0571919300	129.3733000	no	no
## 75	yes	0 26.58333	2.2000	0.0507854600	93.1066700	no	no
## 76	no	1 24.33333	4.1000	0.0002926829	0.0000000	no	no
		0 24.25000		0.0936789300	292.6633000		
	yes		3.7500			no	no
## 78	yes	0 25.25000		0.0410614600	98.4641600	no	no
## 80	yes	0 32.83333	2.5500	0.0479294100	101.6833000	no	no
## 81	no	0 32.75000	4.0000	0.0003000000	0.0000000	no	no
## 82	yes	1 54.58333	2.6400	0.0298469700	65.2466700	yes	no
## 83	yes	0 19.58333	1.6500	0.0790478700	108.6075000	no	no
## 84		0 29.33333		0.0249445800	49.5558300	no	no
	yes						
## 85	no	3 40.16667		0.0003234589	0.0000000	no	no
## 86	yes	0 40.75000	7.2400	0.0390450200	235.5717000	yes	no
## 87	no	0 41.25000	4.3860	0.0002735978	0.0000000	yes	no
## 88	no	0 34.50000	3.3000	0.0003636364	0.0000000	yes	no
## 89	no	0 23.66667	2.3040	0.0005208334	0.0000000	no	no
## 90	no	1 53.66667		0.0002870813	0.0000000	no	no
## 91		2 34.00000	2.4875	0.0002878813	0.0000000		
	no					no	no
## 92	no	0 44.91667	2.8055	0.0004277313	0.0000000	yes	no
## 93	yes	0 43.41667	2.4000	0.0343587500	68.3841700	no	no
## 94	no	4 35.16667	1.5000	0.0008000000	0.0000000	no	no
## 95	no	2 35.83333	8.4000	0.0001428571	0.0000000	no	no
## 96	yes	0 21.66667	1.5600	0.0007692308	0.0000000	no	no
## 97	yes	1 32.66667	6.0000	0.0948300000	474.1500000	yes	no
## 98	yes	1 25.41667	3.6000	0.0780438900	234.0483000	no	no
	_						
## 99	yes	0 26.25000		0.1082892000	451.2050000	yes	no
## 100	yes	0 46.00000		0.0548772700	251.5208000	yes	no
## 101	yes	1 35.00000	9.9999	0.1101059000	917.5400000	yes	no
## 102	no	0 35.00000	4.5500	0.0002637363	0.0000000	yes	no
## 103	no	0 20.91667	2.9000	0.0004137931	0.0000000	no	no
## 104	yes	0 25.16667	1.8000	0.0984822200	147.7233000	no	no
## 105	yes	0 31.25000		0.0476838100	166.7267000	yes	no
## 106	_		3.9200	0.2269911000	741.5042000	_	
	yes					no	no
## 107	yes	0 23.00000	3.6250	0.0351456600	106.1692000	no	no
## 108	yes	0 24.83333	2.4800	0.1313552000	271.4675000	no	no
## 109	yes	0 40.91667	9.9999	0.0762068600	635.0508000	yes	no
## 110	yes	0 43.66667	10.0393	0.0218630800	182.8250000	yes	no
## 111	yes	0 23.08333	2.9500	0.0364220300	89.3708300	yes	no
## 112	yes	0 41.91667		0.2427200000	1011 3330000	no	no
				0.1137675000			
## 113	yes				227.3683000	no	no
## 114	yes			0.0103111100	115.4167000	yes	no
## 115	no	3 25.91667	4.0000	0.0003000000	0.0000000	no	no
## 116	yes	1 37.33333	3.9000	0.0916836000	297.9717000	no	no
## 117	yes	1 37.66667	2.0000	0.0608075000	101.2625000	yes	no
## 118	yes	0 30.25000	2.1500	0.0319223300	56.6941700	no	no
## 119	yes	0 21.25000		0.0309760000	77.3566700	no	no
## 120	yes	0 40.08333		0.0341902300	122.5150000	no	no
## 121	no	4 23.41667		0.0001200012	0.0000000	no	no
## 122	yes	0 21.83333	2.5000	0.0067932000	13.4025000	no	no
## 123	yes	0 22.16667	3.0000	0.0511136700	127.5342000	no	no
## 124	yes	0 40.83333	2.6000	0.0042307690	8.3333330	yes	no
## 125	yes	1 18.66667	1.6600	0.0568759000	78.4283400	yes	no
## 126	yes	0 34.33333		0.0032000000	11.1666700	yes	yes
## 127	yes	0 25.08333		0.0316508000	131.8783000	no	no
				0.1919466000			
	yes	0 20.08333			277.9892000	no	no
## 129	yes	0 24.75000		0.0807077400	126.0225000	no	no
## 130	yes	0 41.91667		0.0956090000	238.8558000	yes	no
## 131	no	5 31.08333	4.2000	0.0002857143	0.0000000	no	no
## 132	no	0 53.33333	4.9000	0.0002448980	0.0000000	yes	yes
## 133	yes	0 24.25000	2.1300	0.0212206600	37.0833300	no	no
## 134	no	1 25.41667	1.7000	0.0007058823	0.0000000	no	no
## 135	yes	0 21.83333		0.1119048000	156.5833000	no	no
	_						
## 136	no	0 20.58333		0.0004545455	0.0000000	no	no
## 137	yes	0 18.41667		0.0064552850	9.7533330	no	no
## 138	yes	0 22.00000		0.0394775800	108.3967000	no	no
## 139	yes	0 21.41667	1.5896	0.2052491000	271.5533000	no	no

## 140	yes	0 42.00000	3.6000	0.0178505600	53.3016700	no	yes
## 141	yes	0 36.41667	3.0000	0.1130587000	282.5633000	no	no
## 142	yes	0 41.50000		0.0831560500	263.3275000	no	no
## 143	_	0 26.50000		0.0031300300	6.5175000	no	no
	yes						
## 144	no	2 33.16667		0.0005171522	0.0000000	no	no
## 145	yes	0 43.08333	7.8000	0.0066855130	43.0391700	yes	no
## 146	yes	0 30.33333	2.5000	0.0356228000	73.7975000	yes	yes
## 147	yes	0 25.08333	1.5000	0.0128000000	15.4166700	no	no
## 148	yes	0 35.66667	3.5822	0.1049978000	313.3525000	yes	no
## 149	yes	1 44.50000		0.0179582500	59.1941700	yes	no
## 150	_			0.0314281200		_	
	yes	3 43.25000			175.9975000	yes	no
## 151	yes	2 50.00000		0.0362027900	129.3933000	yes	yes
## 152	yes	0 31.75000	3.5000	0.0105551400	30.3691700	yes	no
## 153	no	1 43.25000	3.9500	0.0003037975	0.0000000	yes	no
## 154	no	5 27.16667	4.0000	0.0003000000	0.0000000	yes	no
## 155	yes	0 24.91667	2.4000	0.2306300000	461.2600000	no	no
## 156	yes	0 49.66667		0.0887703700	199.7333000	yes	no
## 157	_	0 28.33333		0.0071298480	38.7141600	_	
	yes					no	no
## 158	yes	0 26.50000		0.0411170400	92.2633400	no	no
## 159	yes	0 29.41667		0.0426475600	145.3792000	no	no
## 160	yes	0 71.83334	7.7010	0.0625105800	400.9117000	yes	no
## 161	yes	0 24.50000	2.8000	0.0595557100	138.7133000	no	no
## 162	yes	0 25.08333	3.1200	0.0424564100	110.3033000	no	no
## 163	yes	0 24.91667		0.0285547800	54.6466700	no	no
## 164	_	0 30.08333		0.0017983650	4.58333330		
	yes					yes	no
## 165	no	0 32.58333		0.0001846154	0.0000000	yes	no
## 166	yes	0 23.08333		0.1502422000	320.5167000	no	no
## 167	yes	0 48.91667	3.5000	0.0678880000	197.9233000	yes	no
## 168	yes	0 25.33333	3.2400	0.0256311700	68.8708300	no	no
## 169	yes	0 25.33333	3.4800	0.0512103400	148.2600000	yes	no
## 170	yes	0 24.91667		0.0281279800	68.5333300	no	no
## 171	no	1 29.16667		0.0004848485	0.0000000	no	no
## 172		5 28.58333		0.0003846154	0.0000000		
	no					no	no
## 173	no	0 32.33333		0.0004800000	0.0000000	no	no
## 174	yes	0 26.50000	3.0000	0.0486556600	121.5558000	yes	no
## 175	yes	0 34.33333	6.0000	0.0172620000	86.2266700	yes	no
## 176	yes	0 28.41667	2.6000	0.0485438400	105.0950000	yes	no
## 177	yes	0 23.58333	3.9000	0.0183048700	58.9908300	no	no
## 178	no	1 30.83333	2.5000	0.0004800000	0.0000000	no	no
## 179	no	1 34.66667		0.0003636364	0.0000000	no	no
## 180	yes	0 31.50000		0.0251939000		no	no
## 181	yes	1 36.16667		0.0121089700	78.5416600	yes	no
## 182	no	3 32.41667	2.0600	0.0005825243	0.0000000	no	no
## 183	yes	0 31.25000	5.6965	0.0081234090	38.0625000	yes	yes
## 184	yes	0 28.08333	2.1600	0.0257268500	46.1416700	no	no
## 185	no	3 41.58333		0.0002608696	0.0000000	no	no
## 186		0 21.75000		0.0908620000	265.0142000	no	
## 186	yes			0.0353223500			no
	yes	0 30.25000			74.7266700	yes	no
## 188	yes	0 43.50000		0.0740138500	107.7642000	yes	no
## 189	yes	0 29.58333	1.9500	0.0045641030	6.5000000	yes	no
## 190	yes	0 33.75000	5.0000	0.0501734000	209.0558000	yes	no
## 191	yes	0 24.16667	2.8896	0.0801775400	193.0675000	no	no
## 192	yes	0 25.41667		0.0641707400	144.3842000	yes	no
## 193	yes	0 24.25000		0.1076917000	358.9725000	no	no
	_						
## 194	yes	0 24.08333		0.0309900000	59.1475000	no	no
## 195	yes	0 32.00000		0.0005000000	0.0000000	no	no
## 196	no	0 46.16667	2.6000	0.0004615385	0.0000000	no	no
## 197	yes	0 21.91667	2.4000	0.2326392000	465.1950000	yes	no
## 198	yes	0 36.25000	2.5200	0.0678138900	142.2425000	no	no
## 199	yes	0 23.83333		0.3860019000	501.8025000	no	no
## 200	_	0 49.41667		0.0443795800	88.5925000		
	yes					no	yes
## 201	yes	0 26.08333		0.1700255000	282.8758000	no	no
## 202	yes	1 29.16667		0.1680209000	361.1617000	no	no
## 203	yes	0 33.00000	3.1500	0.0572657100	150.1767000	no	yes
## 204	yes	0 29.33333	2.3000	0.0400404300	76.2441600	no	no
## 205	yes	0 47.58333		0.0151602200	58.2458300	no	no
## 206	yes	0 21.58333		0.0339679500	88.2333300	no	no
	_						
## 207	yes	0 30.41667		0.0048000000	7.0833330	yes	no
## 208	no	6 62.91667		0.0004705882	0.0000000	no	no
		1 21.58333	2.4600	0.1409972000	289.0442000	no	no
## 209	yes						
## 209 ## 210	yes yes	0 30.66667		0.0325189500	102.9767000	no	no
	_		3.8000		102.9767000 13.9166700	no yes	no no
## 210	yes	0 30.66667	3.8000 2.6372	0.0325189500			

## 213	no	0 53.16667	2.8000	0.0004285714	0.0000000	no	no
## 214	no	0 22.83333	3.1475	0.0003812550	0.0000000	no	no
## 215	no	1 24.91667	6.0000	0.0002000000	0.0000000	no	no
## 216	yes	0 25.16667	3.2500	0.0312400000	84.2750000	no	no
## 217	yes	0 61.08333	4.3200	0.0369724600	132.8508000	yes	no
## 218	yes	0 29.16667	2.5000	0.0767256000	159.5950000	no	no
## 219	yes	0 35.33333	3.0000	0.0540180000	135.0450000	no	no
## 220	yes	0 26.08333	3.5000	0.0859500000	250.5208000	no	no
## 221	yes	0 42.75000	4.5600	0.0496589900	188.6208000	no	no
## 222	yes	0 27.58333	2.7600	0.0103623200	23.2500000	no	no
## 223	yes	0 22.50000	2.5350	0.1013325000	214.0650000	yes	no
## 224	no	7 40.91667	3.2388	0.0003705076	0.0000000	no	no
## 225	no	2 35.16667	3.8400	0.0003125000	0.0000000	no	no
## 226	yes	0 32.83333		0.0387553100	42.6308300	no	no
## 227	no	0 25.83333		0.0003076923	0.0000000	no	no
## 228	no	0 56.91667	2.0400	0.0005882353	0.0000000	yes	no
## 229	yes	1 30.16667		0.0781850100	474.5000000	yes	no
## 230	yes	0 25.08333		0.0487010700	304.3817000	yes	no
## 231	yes	0 34.58333		0.0291071600	78.7508300	no	no
## 232	yes	0 24.66667	1.6320	0.1754246000	238.3275000	no	no
## 233	yes	0 40.75000		0.0466713800	311.1425000	yes	no
## 234	yes	0 31.33333	2.2000	0.0421618200	77.0466700	yes	no
## 235	yes	0 27.83333		0.0289768000	120.4033000	yes	no
## 236	yes	0 30.83333		0.0626290000	156.5725000	yes	no
## 237	yes	0 46.25000		0.0068500000	10.5833300	yes	no
## 238	yes	0 20.50000		0.0895967600	114.8158000	no	no
## 239	no	0 28.00000	1.5000	0.0008000000	0.0000000	no	no
## 240	yes	0 51.66667	3.0000	0.0721063300	179.7658000	yes	no
## 241	yes	1 41.83333	5.0000	0.1501082000	625.3675000	yes	no
## 242	yes	0 51.75000	4.7232	0.0216554500	84.9025000	yes	no
## 243	yes	0 53.50000	1.5000	0.0008000000	0.0000000	yes	no
## 244	yes	0 26.08333	2.3000	0.0356086900	67.6666600	no	no
## 245	yes	0 20.50000	1.6000	0.0838318800	111.6925000	no	no
## 246	yes	0 27.75000	2.2000	0.1403464000	257.3017000	no	no
## 247	yes	0 23.25000	4.3200	0.1877141000	675.7708000	no	no
## 248	no	0 23.08333	2.6000	0.0004615385	0.0000000	no	yes
## 249	yes	0 20.33333	1.6752	0.1757384000	245.3308000	no	no
## 250	yes	0 83.50000	2.8725	0.0058485640	13.3333300	yes	yes
## 251	yes	0 24.50000	2.6000	0.0690592300	149.5450000	no	yes
## 252	yes	0 33.75000	2.9000	0.1048410000	253.3658000	yes	no
## 253	yes	0 25.08333	2.6500	0.0096509440	20.4791700	no	no
## 254	yes	0 26.91667	1.9000	0.0266736800	41.8166700	no	no
## 255	yes	0 65.91666	2.9500	0.0485613600	118.7133000	yes	no
## 256	yes	0 21.58333	3.1200	0.0867791700	225.4592000	no	no
## 257	yes	0 35.00000	4.1125	0.0296269900	101.2008000	yes	no
## 258	no	1 46.00000	6.0000	0.0002000000	0.0000000	yes	no
## 259	yes	0 25.33333	2.0000	0.0066520000	10.4200000	no	no
## 260	no	2 35.91667	3.3800	0.0003550296	0.0000000	yes	no
## 261	yes	0 33.66667	3.5000	0.0027428570	7.1666670	no	no
## 262	yes	0 30.08333	2.6000	0.0059615380	12.0833300	yes	no
## 263	no	11 26.41667	3.5000	0.0003428572	0.0000000	no	no
## 264	yes	1 24.58333	2.8000	0.0629767900	146.8625000	no	no
## 265	yes	0 37.75000	5.9000	0.0660410200	324.6183000	yes	no
## 266	yes	0 46.25000	5.4000	0.0597720400	268.7242000	yes	no
## 267	yes	0 29.50000	2.8000	0.1067854000	249.1658000	no	no
## 268	yes	0 43.83333	3.9000	0.0155897400	50.0833300	yes	no
## 269	yes	0 46.91667	3.4000	0.0310188200	87.6366700	no	no
## 270	yes	0 21.83333	2.0800	0.1174231000	203.3667000	no	no
## 271	yes	0 57.66667		0.0507400000	105.1250000	yes	no
## 272	yes	1 23.66667		0.0309815400	50.1783300	no	no
## 273	yes	0 25.66667		0.1869200000	327.1100000	no	no
## 274	no	0 30.66667		0.0004000000	0.0000000	yes	no
## 275	yes	1 34.83333		0.0656762500	175.1367000	yes	no
## 276	no	4 37.50000		0.0004615385	0.0000000	no	no
## 277	yes	0 40.33333		0.1596997000	408.0825000	no	no
## 278	yes	0 24.41667		0.0146375000	33.5708300	no	no
	****	0 31.25000		0.1011433000	404.4900000	yes	no
## 279	yes	0 44		0.0000531646	0.0000000	7700	no
## 280	no	0 41.16667		0.0002531646		yes	no
## 280 ## 281	no yes	0 29.83333	2.8000	0.0345860700	80.4508400	yes	no
## 280 ## 281 ## 282	no yes yes	0 29.83333 0 35.91667	2.8000	0.0345860700 0.0026190480	80.4508400 8.3333330	yes yes	no no
## 280 ## 281 ## 282 ## 283	no yes yes yes	0 29.83333 0 35.91667 0 42.91667	2.8000 4.2000 4.0000	0.0345860700 0.0026190480 0.0721332500	80.4508400 8.3333330 240.2775000	yes yes no	no no no
## 280 ## 281 ## 282	no yes yes	0 29.83333 0 35.91667	2.8000 4.2000 4.0000 1.6500	0.0345860700 0.0026190480	80.4508400 8.3333330	yes yes	no no

## 200 Yes	0 24.10001	4.3000 0.0243300000	00.2400/00	110	110
## 286 yes	0 63.50000	6.4532 0.0001859543	0.0000000	yes	no
## 287 yes	1 21.91667	3.0000 0.0047016670	11.0041700	no	no
## 288 yes	0 21.25000	1.7500 0.1932389000	281.8067000	no	no
## 289 no	0 22.33333	1.8000 0.0006666667	0.0000000	no	no
## 290 yes	0 22.91667	2.1500 0.0099562790	17.1716700	no	no
## 291 no	0 23.83333	7.8800 0.0001522843	0.0000000	no	yes
## 292 no	2 26.83333	2.6000 0.0004615385	0.0000000	no	no
## 293 yes	0 35.83333	2.4200 0.0594834700	119.6250000	yes	no
## 294 yes	0 41.08333	2.8000 0.0371628600	86.5466700	yes	no
1	0 40.75000	3.6400 0.0311379100	94.1183300	no	no
1	1 53.58333	9.9999 0.0998702000	832.2433000		
	0 20.75000	1.9500 0.0006153846		yes	no
			0.0000000	no	no
## 298 yes	2 34.83333	6.5000 0.1407468000	762.3784000	yes	no
## 299 yes	0 32.16667	3.8050 0.0084362680	26.0000000	yes	no
## 300 yes	0 40.75000	2.1500 0.1270335000	227.6017000	no	no
## 301 yes	2 38.58333	4.0000 0.1139598000	379.8658000	no	no
## 302 yes	0 22.41667	3.1000 0.2400213000	620.0550000	no	no
## 303 no	0 31.00000	4.0104 0.0002992220	0.0000000	no	no
## 304 yes	0 29.08333	4.5800 0.0128685600	48.6150000	no	no
## 305 yes	0 33.75000	1.8000 0.1306339000	195.4508000	yes	no
## 306 no	4 38.00000	1.7095 0.0007019597	0.0000000	no	no
## 307 yes	0 21.91667	2.2593 0.0649891600	122.1917000	yes	no
## 308 yes	0 26.41667	3.5000 0.1319654000	384.8992000	no	no
## 309 yes	0 40.33333	9.9999 0.0156001600	129.3333000	yes	no
## 310 yes	0 23.75000	1.5678 0.0007654037	0.0000000	yes	no
## 311 yes	0 37.58333	2.9623 0.0022279990	4.5833330	yes	yes
## 312 yes	1 27.75000	2.7000 0.0936211100	210.6475000	no	no
## 313 yes	0 21.66667	2.1600 0.1106287000	198.5483000	yes	no
## 314 yes	0 26.16667	4.0000 0.0012000000	3.1666670	no	no
## 315 no	5 31.75000	4.5000 0.0002666667	0.0000000	yes	no
## 316 no	0 33.75000	1.8000 0.00026666667	0.0000000	_	no
	0 27.33333	2.7500 0.0671898200	153.7267000	yes	
	0 39.75000	2.4200 0.0170194200	34.1558300	no	no
				yes	no
## 319 no		2.2500 0.0005333333	0.0000000	no	no
## 320 no	0 23.91667	1.2000 0.0010000000	0.0000000	no	no
## 321 no	2 28.16667	2.6000 0.0004615385	0.0000000	yes	no
## 322 no	0 26.33333	1.5000 0.0008000000	0.0000000	no	no
## 323 yes	0 25.33333	2.1000 0.1966748000	344.1808000	yes	no
## 325 no	0 36.58333	2.2200 0.0005405406	0.0000000	yes	no
## 326 no	2 34.83333	4.9000 0.0002448980	0.0000000	no	no
## 327 yes	0 41.58333	2.3000 0.0457504400	87.1050000	yes	no
## 328 no	2 28.33333	3.3000 0.0003636364	0.0000000	no	no
## 329 no	3 44.58333	2.5000 0.0004800000	0.0000000	yes	no
## 330 yes	0 34.00000	2.2050 0.0440099800	80.8683300	yes	no
## 331 yes	1 35.83333	2.4000 0.0717150000	143.3467000	yes	no
## 332 yes	0 22.00000	2.7000 0.0468296300	105.2833000	no	no
## 333 yes	0 34.00000	3.7000 0.1893335000	583.7783000	yes	yes
## 334 no	5 27.66667	2.1200 0.0005660377	0.0000000	no	no
## 335 yes	0 34.50000	6.2000 0.1840382000	950.8641000	yes	no
## 336 yes	0 40.33333	2.5000 0.0509016000	105.9617000	no	no
## 337 no	1 24.25000	2.0000 0.0006000000	0.0000000	no	no
## 338 no	0 30.16667	2.4000 0.0005000000	0.0000000	no	yes
## 339 yes	0 45.00000	4.0300 0.0409146400	137.0717000	no	no
## 340 no	0 31.66667	3.0000 0.0004000000	0.0000000	no	no
## 341 yes	0 24.91667	2.9000 0.0005086207	0.3125000	yes	no
## 342 yes	0 27.83333	1.9900 0.0603879400	100.1433000	yes	no
## 343 yes	0 56.91667	1.9200 0.2004224000	320.6758000	yes	yes
## 344 yes	1 34.41667	5.0000 0.1640628000	683.4283000	yes	yes
## 345 no	2 32.58333	2.1600 0.0005555556	0.0000000	yes	no
## 346 yes	0 26.58333	2.2000 0.0796977300	145.6958000	no	no
## 347 yes	0 20.41667	2.2375 0.0506382100	93.9191700	no	no
## 348 no	2 40.00000	2.4000 0.0005000000	0.0000000	no	no
## 349 yes	0 40.16667	1.9000 0.1059958000	167.8267000	yes	no
## 350 yes	0 25.66667	5.5000 0.1535069000	703.4067000	yes	no
## 350 yes ## 351 no	0 32.08333	2.1600 0.0005555556	0.0000000	no	no
	2 26.00000	7.0000 0.2215290000		no	yes
## 352 yes ## 353 no	3 36.91667	2.6000 0.2213290000	0.0000000		no
	0 22.66667	2.5000 0.0004813383	0.0000000	yes	
	0 28.25000	3.9000 0.0766120600	248.9058000	no	no
T				no	no
	0 49.16667	5.2000 0.0166415400 3.2500 0.1285348000	71.5300000	yes	no
## 357 yes	1 24.16667			no	no
## 358 yes	0 32.66667	3.6000 0.0018333330	4.5833330	no	no

##	359	yes	0 32.58333	10.0000	0.0998078100	831.7317000	yes	no
	360	yes	0 36.00000	3.7000	0.0331124300	101.7633000	yes	no
##	361	yes	0 29.25000	4.4670	0.1139494000	424.1767000	yes	yes
	362	no	0 36.41667		0.0002307692	0.0000000	yes	no
	363	yes	0 22.91667		0.0580689600	232.2758000	no	no
	364	yes	0 61.00000		0.2685167000	335.5625000	yes	no
##	365	yes	0 54.41667	1.5000	0.0166113300	20.1808300	no	no
##	366	no	0 25.66667	1.8504	0.0006485084	0.0000000	no	no
##	367	yes	0 30.33333	2.4500	0.0583265300	119.0000000	no	no
##	368	yes	0 27.08333		0.0442005300	69.0325000	no	no
	369	_	0 39.00000		0.0451454300	131.6742000		
		yes					yes	no
	370	no	0 24.16667		0.0004303389	0.0000000	no	no
##	371	yes	0 47.08333	4.5000	0.1395000000	523.1250000	yes	no
##	372	no	4 24.83333	2.8000	0.0004285714	0.0000000	no	no
##	373	no	3 32.16667	2.8000	0.0004285714	0.0000000	yes	no
##	374	yes	0 33.08333	4.5000	0.1043780000	391.4175000	no	no
	375	yes	0 45.00000		0.0313747400	99.1033300	yes	no
		-					_	
##		no	0 32.83333		0.0002400000	0.0000000	no	yes
##	377	yes	0 23.33333	2.7000	0.1686141000	379.2983000	no	no
##	378	no	2 25.16667	2.5000	0.0004800000	0.0000000	no	yes
##	379	yes	0 26.58333	3.2000	0.1495691000	398.8508000	yes	no
##	380	yes	0 22.91667	1.9200	0.0214635400	34.0916700	yes	no
##	381	yes	0 45.66667		0.2200399000	423.1267000	no	no
	382	_			0.0007058823			
		no	0 29.16667			0.0000000	no	no
	383	yes	0 48.91667		0.0967026700	241.4233000	yes	no
##	384	yes	0 39.75000	2.4500	0.0714951000	145.7192000	yes	no
##	385	yes	0 20.08333	3.4000	0.0006470588	0.9166667	no	no
##	386	yes	0 32.91667	2.5000	0.2457660000	512.0125000	no	no
	387	yes	0 39.66667		0.1275373000	318.5100000	yes	no
	388	yes	0 26.83333		0.0722606300	189.6842000	no	no
		_						
	389	yes	0 27.25000		0.0667028600	194.4667000	no	no
##	390	yes	0 19.58333	1.8000	0.1217950000	182.6092000	no	no
##	391	yes	0 24.08333	2.2500	0.1584613000	297.0317000	no	no
##	392	yes	0 22.83333	2.0000	0.0229845000	37.9741700	no	no
##	393	yes	0 27.08333	4.1000	0.1157810000	395.5850000	yes	no
	394	yes	0 23.83333		0.0826410800	204.5367000	no	no
		_						
	395	yes	0 41.66667		0.0324449100	148.3725000	yes	no
	396	yes	0 27.25000		0.0649396900	170.4667000	yes	no
##	397	yes	0 46.50000	3.5000	0.0422900000	122.9292000	no	yes
##	398	yes	0 21.08333	1.5344	0.0043013560	4.5833330	no	no
##	399	yes	0 32.33333	5.1000	0.1013590000	430.6925000	yes	no
	400	yes	0 22.58333		0.0111111100	20.0833300	no	no
	401	yes	0 25.58333		0.0065225810	17.7850000	yes	no
		_						
	402	yes	0 35.25000		0.1221516000	376.6342000	yes	no
##	102	no		3.4000	0.0003529412	0.0000000	no	no
	403	110	0 34.58333	0.1000	0 10000000			
##	403	yes	0 34.58333 0 35.75000		0.1375309000	474.0650000	yes	no
				4.1400	0.1375309000	474.0650000	yes yes	no no
	404 405	yes no	0 35.75000	4.1400 4.8000			yes	
##	404 405 406	yes no yes	0 35.75000 4 38.25000 0 34.75000	4.1400 4.8000 7.0000	0.0002500000 0.0502398600	0.0000000 293.0658000	yes yes	no no
##	404 405 406 407	yes no yes yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000	4.1400 4.8000 7.0000 7.0000	0.0002500000 0.0502398600 0.1083524000	0.0000000 293.0658000 631.9725000	yes yes yes	no no yes
## ## ##	404 405 406 407 408	yes no yes yes yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667	4.1400 4.8000 7.0000 7.0000 2.2000	0.0002500000 0.0502398600 0.1083524000 0.0382054600	0.0000000 293.0658000 631.9725000 69.7933300	yes yes yes	no no yes no
## ## ## ##	404 405 406 407 408 409	yes no yes yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333	4.1400 4.8000 7.0000 7.0000 2.2000 2.0600	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000	yes yes yes no yes	no no yes
## ## ## ##	404 405 406 407 408	yes no yes yes yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 0 22.08333	4.1400 4.8000 7.0000 7.0000 2.2000 2.0600 1.5360	0.0002500000 0.0502398600 0.1083524000 0.0382054600	0.0000000 293.0658000 631.9725000 69.7933300	yes yes yes	no no yes no
## ## ## ##	404 405 406 407 408 409	yes no yes yes yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333	4.1400 4.8000 7.0000 7.0000 2.2000 2.0600 1.5360	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000	yes yes yes no yes	no no yes no no
## ## ## ## ##	404 405 406 407 408 409 410	yes no yes yes yes no no	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 0 22.08333 3 36.50000	4.1400 4.8000 7.0000 7.0000 2.2000 2.0600 1.5360 4.0000	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000	yes yes no yes no	no no yes no no
## ## ## ## ##	404 405 406 407 408 409 410 411	yes no yes yes yes no no yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 0 22.08333 3 36.50000	4.1400 4.8000 7.0000 7.0000 2.2000 2.0600 1.5360 4.0000	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.0000000	yes yes no yes no yes yes yes	no no yes no no no
## ## ## ## ## ##	404 405 406 407 408 409 410 411 412 413	yes no yes yes yes no no yes yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 0 22.08333 3 36.50000 0 43.83333 0 32.00000	4.1400 4.8000 7.0000 7.0000 2.2000 2.0600 1.5360 4.0000 10.5000 3.0500	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.0000000 0.0000000 8.7500000 127.4725000	yes yes yes no yes no yes yes no	no no yes no no no no no no
## ## ## ## ## ##	404 405 406 407 408 409 410 411 412 413 414	yes no yes yes no no yes yes yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 0 22.08333 3 36.50000 0 43.83333 0 32.00000 1 56.91667	4.1400 4.8000 7.0000 7.0000 2.2000 2.0600 1.5360 4.0000 10.5000 3.0500 3.4838	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000 0.0628954000	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.0000000 0.0000000 8.7500000 127.4725000 182.0958000	yes yes yes no yes no yes yes no	no no yes no no no no no no no
## ## ## ## ## ## ##	404 405 406 407 408 409 410 411 412 413 414 415	yes no yes yes no no yes yes yes yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 0 22.08333 3 36.50000 0 43.83333 0 32.00000 1 56.91667 0 24.33333	4.1400 4.8000 7.0000 7.0000 2.2000 2.0600 1.5360 4.0000 10.5000 3.0500 3.4838 3.0000	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000 0.0628954000 0.0027916670	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.0000000 8.7500000 127.4725000 182.0958000 6.1458330	yes yes no yes no yes yes no yes yes	no no yes no no no no no no no no no
## ## ## ## ## ## ##	404 405 406 407 408 409 410 411 412 413 414	yes no yes yes no no yes yes yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 0 22.08333 3 36.50000 0 43.83333 0 32.00000 1 56.91667	4.1400 4.8000 7.0000 7.0000 2.2000 2.0600 1.5360 4.0000 10.5000 3.0500 3.4838 3.0000	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000 0.0628954000	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.0000000 0.0000000 8.7500000 127.4725000 182.0958000	yes yes yes no yes no yes yes no	no no yes no no no no no no no
## ## ## ## ## ## ##	404 405 406 407 408 409 410 411 412 413 414 415	yes no yes yes no no yes yes yes yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 0 22.08333 3 36.50000 0 43.83333 0 32.00000 1 56.91667 0 24.33333	4.1400 4.8000 7.0000 7.0000 2.2000 2.0600 1.5360 4.0000 10.5000 3.0500 3.4838 3.0000 5.1000	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000 0.0628954000 0.0027916670	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.0000000 8.7500000 127.4725000 182.0958000 6.1458330	yes yes no yes no yes yes no yes yes	no no yes no no no no no no no no no
## ## ## ## ## ## ##	404 405 406 407 408 409 410 411 412 413 414 415 416	yes no yes yes no no yes yes yes yes yes yes yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 0 22.08333 3 36.50000 0 43.83333 0 32.00000 1 56.91667 0 24.33333 0 34.58333	4.1400 4.8000 7.0000 2.2000 2.0600 1.5360 4.0000 10.5000 3.0500 3.4838 3.0000 5.1000 2.4500	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000 0.0628954000 0.0027916670 0.0970047000	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.0000000 8.7500000 127.4725000 182.0958000 6.1458330 412.1867000 35.6750000	yes yes no yes no yes no yes yes yes yes yes	no no yes no
## ## ## ## ## ## ## ##	404 405 406 407 408 409 410 411 412 413 414 415 416 417	yes no yes yes no no yes yes yes yes yes yes yes yes yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 3 36.50000 0 43.83333 0 32.00000 1 56.91667 0 24.33333 0 34.58333 0 53.00000	4.1400 4.8000 7.0000 7.0000 2.2000 2.0600 1.5360 4.0000 3.05000 3.4838 3.0000 5.1000 2.4500 2.0000	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000 0.0628954000 0.0027916670 0.0970047000 0.0177183700	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.0000000 8.7500000 127.4725000 182.0958000 6.1458330 412.1867000 35.6750000	yes yes no yes no yes yes yes yes yes yes yes yes	no no yes no
## ## ## ## ## ## ## ## ##	404 405 406 407 408 409 410 411 412 413 414 415 416 417 418	yes no yes yes no no yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 3 22.08333 3 36.50000 0 43.83333 0 32.00000 1 56.91667 0 24.33333 0 34.58333 0 53.00000 0 31.16667 0 54.08333	4.1400 4.8000 7.0000 7.0000 2.2000 2.26600 1.5360 4.0000 3.05000 3.4838 3.0000 5.1000 2.4500 2.0000 4.0000	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000 0.0628954000 0.0027916670 0.0970047000 0.0177183700 0.1235615000 0.0133672500	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.0000000 8.7500000 127.4725000 182.0958000 6.1458330 412.1867000 35.6750000 205.9358000 43.9741700	yes yes no yes no yes yes yes yes yes yes yes yes yes	no no yes no
######################################	404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420	yes no yes yes no no yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 0 22.08333 3 36.50000 0 43.83333 0 32.00000 1 56.91667 0 24.33333 0 34.58333 0 53.00000 0 31.16667 0 54.08333	4.1400 4.8000 7.0000 2.2000 2.0600 1.5360 4.0000 3.05000 3.4838 3.0000 5.1000 2.4500 2.0000 4.0000 3.4800	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000 0.0628954000 0.0027916670 0.0970047000 0.0177183700 0.1235615000 0.0133672500 0.0648637900	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.0000000 8.7500000 127.4725000 182.0958000 6.1458330 412.1867000 35.6750000 205.9358000 43.9741700 188.1050000	yes yes no yes no yes	no no yes no
######################################	404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421	yes no yes yes no no yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 3 22.08333 3 36.50000 0 43.83333 0 32.00000 1 56.91667 0 24.33333 0 34.58333 0 53.00000 0 31.16667 0 54.83333 0 45.83333	4.1400 4.8000 7.0000 2.2000 2.0600 1.5360 4.0000 3.0500 3.4838 3.0000 5.1000 2.4500 2.0000 4.0000 3.4800 2.0000	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000 0.0628954000 0.0027916670 0.0970047000 0.0177183700 0.1235615000 0.0133672500 0.0648637900 0.0047500000	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.0000000 8.7500000 127.4725000 182.0958000 6.1458330 412.1867000 35.6750000 205.9358000 43.9741700 188.1050000 7.0833330	yes yes no yes no yes	no no yes no no no no no no no no no yes yes
######################################	404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422	yes no yes yes no no no yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 3 22.08333 3 36.50000 0 43.83333 0 32.00000 1 56.91667 0 24.33333 0 34.58333 0 53.00000 0 31.16667 0 54.08333 0 45.83333 0 20.83333	4.1400 4.8000 7.0000 7.0000 2.2000 2.0600 1.5360 4.0000 3.0500 3.4838 3.0000 5.1000 2.4500 2.0000 4.0000 3.4800 2.0000 2.15000	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000 0.0628954000 0.0027916670 0.0970047000 0.0177183700 0.1235615000 0.0133672500 0.0648637900 0.0047500000 0.2703846000	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.0000000 8.7500000 127.4725000 182.0958000 6.1458330 412.1867000 35.6750000 205.9358000 43.9741700 188.1050000 7.0833330 484.4392000	yes yes no yes no yes	no no yes no yes yes no
######################################	404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421	yes no yes yes no no yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 3 22.08333 3 36.50000 0 43.83333 0 32.00000 1 56.91667 0 24.33333 0 34.58333 0 53.00000 0 31.16667 0 54.83333 0 45.83333	4.1400 4.8000 7.0000 7.0000 2.2000 2.0600 1.5360 4.0000 3.0500 3.4838 3.0000 5.1000 2.4500 2.0000 4.0000 3.4800 2.0000 2.15000	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000 0.0628954000 0.0027916670 0.0970047000 0.0177183700 0.1235615000 0.0133672500 0.0648637900 0.0047500000	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.0000000 8.7500000 127.4725000 182.0958000 6.1458330 412.1867000 35.6750000 205.9358000 43.9741700 188.1050000 7.0833330	yes yes no yes no yes	no no yes no no no no no no no no no yes yes
# # # # # # # # # # # # # # # # # # # #	404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422	yes no yes yes no no no yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 3 22.08333 3 36.50000 0 43.83333 0 32.00000 1 56.91667 0 24.33333 0 34.58333 0 53.00000 0 31.16667 0 54.08333 0 45.83333 0 20.83333	4.1400 4.8000 7.0000 7.0000 2.2000 2.0600 1.5360 4.0000 3.05000 3.4838 3.0000 5.1000 2.4500 2.0000 4.0000 3.4800 2.0000 4.7500	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000 0.0628954000 0.0027916670 0.0970047000 0.0177183700 0.1235615000 0.0133672500 0.0648637900 0.0047500000 0.2703846000	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.0000000 8.7500000 127.4725000 182.0958000 6.1458330 412.1867000 35.6750000 205.9358000 43.9741700 188.1050000 7.0833330 484.4392000	yes yes no yes no yes	no no yes no yes yes no
# # # # # # # # # # # # # # # # # # #	404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423	yes no yes yes no no no yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 3 22.08333 3 36.50000 1 56.91667 0 24.33333 0 34.58333 0 53.00000 0 31.16667 0 54.83333 0 45.83333 0 45.83333 0 20.83333 0 27.33333	4.1400 4.8000 7.0000 7.0000 2.2000 2.0600 1.5360 4.0000 3.0500 3.4838 3.0000 5.1000 2.4500 2.0000 4.0000 3.4800 2.0000 4.750 1.7000	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000 0.0628954000 0.0027916670 0.0970047000 0.0177183700 0.1235615000 0.0133672500 0.0133672500 0.0648637900 0.0047500000 0.2703846000 0.0002681564	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.0000000 8.7500000 127.4725000 182.0958000 6.1458330 412.1867000 35.6750000 205.9358000 43.9741700 188.1050000 7.0833330 484.4392000 0.00000000	yes yes no yes no yes	no no yes no
# # # # # # # # # # # # # # # # # # #	404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425	yes no yes yes no no no yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 0 22.08333 3 36.50000 0 43.83333 0 32.00000 1 56.91667 0 24.33333 0 34.58333 0 53.00000 0 31.16667 0 54.08333 0 45.83333 0 20.83333 0 27.333333 0 37.58333 0 33.25000 0 28.08333	4.1400 4.8000 7.0000 2.2000 2.2000 1.5360 4.0000 3.05000 3.4838 3.0000 5.1000 2.4500 2.0000 4.0000 3.4800 2.1500 4.4750 1.7000 3.0000	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000 0.0628954000 0.0027916670 0.0970047000 0.0177183700 0.1235615000 0.01235615000 0.0133672500 0.0648637900 0.0648637900 0.0047500000 0.2703846000 0.0002681564 0.0067258820 0.0699700000	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.0000000 8.7500000 127.4725000 182.0958000 6.1458330 412.1867000 205.9358000 43.9741700 188.1050000 7.0833330 484.4392000 0.0000000 8.7783340 174.9250000	yes yes no yes no yes	no no yes no
# # # # # # # # # # # # # # # # # # #	404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426	yes no yes yes no no no yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 0 22.08333 3 36.50000 0 43.83333 0 32.00000 1 56.91667 0 24.33333 0 34.58333 0 53.00000 0 31.16667 0 54.08333 0 45.83333 0 27.333333 0 37.58333 0 37.58333 0 33.25000 0 28.08333	4.1400 4.8000 7.0000 2.2000 2.0600 1.5360 4.0000 3.0500 3.4838 3.0000 5.1000 2.4500 2.0000 4.0000 3.4800 2.0000 4.750 1.7000 3.0000 2.3558	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000 0.0628954000 0.0027916670 0.0970047000 0.0177183700 0.1235615000 0.0133672500 0.0133672500 0.0648637900 0.0133672500 0.0047500000 0.2703846000 0.2703846000 0.0002681564 0.0067258820 0.0699700000 0.0111214900	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.00000000 8.7500000 127.4725000 182.0958000 6.1458330 412.1867000 35.6750000 205.9358000 43.9741700 188.1050000 7.0833330 484.4392000 0.0000000 8.7783340 174.9250000 21.33333300	yes yes no yes no yes yes no yes	no no yes no
# # # # # # # # # # # # # # # # # # #	404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427	yes no yes yes no no no yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 0 22.08333 3 36.50000 0 43.83333 0 32.00000 1 56.91667 0 24.33333 0 34.58333 0 53.00000 0 31.16667 0 54.08333 0 45.83333 0 27.33333 0 37.58333 0 37.58333 0 33.25000 0 28.08333 0 27.16667 0 50.00000	4.1400 4.8000 7.0000 2.2000 2.0600 1.5360 4.0000 3.0500 3.4838 3.0000 5.1000 2.4500 2.0000 4.0000 3.4800 2.0000 4.750 1.7000 3.0000 2.3558 4.5000	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000 0.0628954000 0.0027916670 0.0970047000 0.0177183700 0.1235615000 0.0133672500 0.0648637900 0.0133672500 0.0648637900 0.0047500000 0.2703846000 0.2703846000 0.0002681564 0.0067258820 0.0699700000 0.0111214900 0.0962653300	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.0000000 8.7500000 127.4725000 182.0958000 6.1458330 412.1867000 35.6750000 205.9358000 43.9741700 188.1050000 7.0833330 484.4392000 0.00000000 8.7783340 174.9250000 21.3333300 360.9950000	yes yes no yes no yes yes no yes	no no yes no
# # # # # # # # # # # # # # # # # # #	404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428	yes no yes yes no no no yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 3 22.08333 3 36.50000 0 43.83333 0 32.00000 1 56.91667 0 24.33333 0 34.58333 0 53.00000 0 31.16667 0 54.08333 0 45.83333 0 27.33333 0 37.58333 0 37.58333 0 37.58333 0 27.16667 0 50.00000 0 48.33333	4.1400 4.8000 7.0000 2.2000 2.0600 1.5360 4.0000 3.0500 3.4838 3.0000 5.1000 2.4500 2.0000 4.0000 3.4800 2.1500 4.4750 1.7000 3.0000 2.3558 4.5000 3.7000	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000 0.0628954000 0.0027916670 0.0970047000 0.0177183700 0.1235615000 0.0133672500 0.0648637900 0.0133672500 0.0648637900 0.0047500000 0.2703846000 0.2703846000 0.2703846000 0.0002681564 0.0067258820 0.0699700000 0.0111214900 0.0962653300 0.0372221600	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.0000000 8.7500000 127.4725000 182.0958000 6.1458330 412.1867000 35.6750000 205.9358000 43.9741700 188.1050000 7.0833330 484.4392000 0.0000000 8.7783340 174.9250000 21.3333300 360.9950000 114.6017000	yes yes no yes no yes yes no yes	no no yes no
# # # # # # # # # # # # # # # # # # #	404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427	yes no yes yes no no no yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 0 22.08333 3 36.50000 0 43.83333 0 32.00000 1 56.91667 0 24.33333 0 34.58333 0 53.00000 0 31.16667 0 54.08333 0 45.83333 0 27.33333 0 37.58333 0 37.58333 0 33.25000 0 28.08333 0 27.16667 0 50.00000	4.1400 4.8000 7.0000 2.2000 2.0600 1.5360 4.0000 3.0500 3.4838 3.0000 5.1000 2.4500 2.0000 4.0000 3.4800 2.1500 4.4750 1.7000 3.0000 2.3558 4.5000 3.7000	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000 0.0628954000 0.0027916670 0.0970047000 0.0177183700 0.1235615000 0.0133672500 0.0648637900 0.0133672500 0.0648637900 0.0047500000 0.2703846000 0.2703846000 0.0002681564 0.0067258820 0.0699700000 0.0111214900 0.0962653300	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.0000000 8.7500000 127.4725000 182.0958000 6.1458330 412.1867000 35.6750000 205.9358000 43.9741700 188.1050000 7.0833330 484.4392000 0.00000000 8.7783340 174.9250000 21.3333300 360.9950000	yes yes no yes no yes yes no yes	no no yes no
# # # # # # # # # # # # # # # # # # #	404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 420 421 422 423 424 425 426 427 428 429	yes no yes yes no no no yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 3 22.08333 3 36.50000 0 43.83333 0 32.00000 1 56.91667 0 24.33333 0 34.58333 0 53.00000 0 31.16667 0 54.08333 0 45.83333 0 27.33333 0 37.58333 0 37.58333 0 37.58333 0 27.16667 0 50.00000 0 48.33333	4.1400 4.8000 7.0000 2.2000 2.0600 1.5360 4.0000 3.0500 3.4838 3.0000 5.1000 2.4500 2.0000 4.0000 3.4800 2.1500 4.4750 1.7000 3.0000 2.3558 4.5000 3.7000 5.5000	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000 0.0628954000 0.0027916670 0.0970047000 0.0177183700 0.1235615000 0.0133672500 0.0648637900 0.0133672500 0.0648637900 0.0047500000 0.2703846000 0.2703846000 0.2703846000 0.0002681564 0.0067258820 0.0699700000 0.0111214900 0.0962653300 0.0372221600	0.0000000 293.0658000 631.9725000 69.7933300 0.0000000 0.0000000 8.7500000 127.4725000 182.0958000 6.1458330 412.1867000 35.6750000 205.9358000 43.9741700 188.1050000 7.0833330 484.4392000 0.0000000 8.7783340 174.9250000 21.3333300 360.9950000 114.6017000	yes yes no yes no yes yes no yes	no no yes no
# # # # # # # # # # # # # # # # # # #	404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 420 421 422 423 424 425 426 427 428 429	yes no yes yes no no no yes	0 35.75000 4 38.25000 0 34.75000 0 28.75000 1 29.16667 0 28.58333 3 22.08333 3 36.50000 1 56.91667 0 24.33333 0 32.00000 1 56.91667 0 24.33333 0 34.58333 0 53.00000 0 31.16667 0 54.08333 0 20.83333 0 27.33333 0 37.58333 0 37.58333 0 27.16667 0 50.00000 0 48.33333 0 25.25000	4.1400 4.8000 7.0000 2.2000 2.0600 1.5360 4.0000 3.0500 3.4838 3.0000 5.1000 2.4500 2.0000 4.0000 3.4800 2.1500 4.4750 1.7000 3.0000 2.3558 4.5000 3.7000 5.5000 3.3740	0.0002500000 0.0502398600 0.1083524000 0.0382054600 0.0005825243 0.0007812500 0.0003000000 0.0010952380 0.0501859000 0.0628954000 0.0027916670 0.0970047000 0.0177183700 0.1235615000 0.0133672500 0.0648637900 0.0133672500 0.0648637900 0.0047500000 0.2703846000 0.004758820 0.0699700000 0.0111214900 0.0962653300 0.0372221600 0.0247918200	0.0000000 293.0658000 693.7933300 0.00000000 0.00000000 8.7500000 127.4725000 182.0958000 6.1458330 412.1867000 35.6750000 205.9358000 43.9741700 188.1050000 7.0833330 484.4392000 0.0000000 8.7783340 174.9250000 21.3333300 360.9950000 114.6017000 113.2958000	yes yes yes no yes no yes	no n

## 432 r	no 1	32.33333	6.0000	0.0002000000	0.0000000	yes	no
## 433 ye	es 0	28.41667	6.9000	0.0723140500	415.8058000	yes	no
## 434 ye	es 0	28.91667	2.7500	0.3822785000	875.8884000	yes	no
## 436 ye	es 0	25.66667	2.0000	0.0049000000	7.4166670	no	no
## 437 ye	es 0	21.91667	2.6875	0.0741268800	165.9300000	no	no
## 438 ve	es 0	27.16667	2.6796	0.0072772060	15.5833300	no	no
T	es 0	22.50000	1.8000	0.1196106000	178.9158000	no	no
	es 0	25.33333	1.5600	0.0350198700	44.9425000	no	no
1	es 0	20.16667		0.1196407000	149.5508000	no	no
		25.00000		0.0029780900	3.7500000	no	no
		36.58333		0.0004761905	0.0000000	yes	no
	es 0	19.66667		0.0447489700	82.9208400	no	no
1	no 0	31.25000		0.0006741573	0.0000000	no	no
	es 0	29.08333		0.0027431420	8.3333330	no	no
1	es 0			0.2975549000	3099.5050000	yes	no
1	es 0	31.50000		0.2253456000	300.4608000	no	no
1	es 0	46.50000		0.0272400000	112.9167000	yes	no
1	es 0	24.66667	2.2750	0.0498347200	94.1450000	yes	no
1	es 0	54.75000		0.0760373500	215.4392000	no	no
		21.41667		0.0244582900	35.1683300	yes	no
	es 0	27.08333		0.0086015380	22.4625000	yes	no
1	es 0	45.08333		0.0906400000	294.5800000	no	no
	no 0	35.91667		0.0006486487	0.0000000	no	no
	es 0	40.91667		0.0033122500	10.2908300	yes	no
1		54.50000		0.1763946000	632.0808000	yes	no
1		28.16667		0.1119657000	326.5667000	yes	no
1	es 1	34.08333		0.1107659000	747.6700000	yes	yes
	es 1	30.00000		0.0510542500	170.1808000	yes	no
	es 1	33.91667		0.9063205000		no	no
	_	51.25000		0.0434418900	191.7017000	no	no
	no 7	25.91667		0.0004615385	0.0000000	no	no
	es 0	27.91667		0.0896123100	188.1858000	no	no
1	no 0	23.83333		0.0005454546	0.0000000	no	no
	es 0	29.00000		0.5263956000	1096.6570000	no	no
	es 0	33.50000		0.0949660000	276.9842000	no	no
	no 1	30.83333		0.0002758621	0.0000000	no	no
	no 0	38.75000		0.0007500000	0.0000000	no	no
	es 0	32.16667	2.0000	0.0232690000	38.3650000	no	no
	es 1	43.33333	4.8000	0.3706127000		yes	no
1		29.83333		0.0185503300	45.8758300	yes	no
	es 0	62.00000		0.0470018300	64.0741700	yes	no
		35.50000		0.0004137931	0.0000000	no	no
		21.50000		0.0179990800	35.1666700	no	no
1		38.25000		0.0676087000	129.4167000	yes	no
T		39.58333		0.0983361800	663.7692000	yes	no
		40.50000		0.0003361345	0.0000000	no	yes
	no 0	34.25000		0.0006172840	0.0000000	no	no
	es 0	34.83333		0.0331494500	75.6341700	yes	no
T		28.16667		0.0016000000	3.7500000	yes	no
T		47.16667		0.0516718600	301.2525000	yes	no
1		28.16667		0.0962850000	224.5817000	no	no
T		22.41667		0.0373338500	60.5841700	no	no
1	no 0	45.50000		0.0001846154	0.0000000	no	no
		22.91667		0.2395248000	498.9267000	no	no
T		37.08333		0.0036666670	8.3333330	no	no
1		27.25000		0.0703383300	105.5075000	yes	no
1	es 0	39.58333		0.0262307700	56.3333300	yes	no
1	es 0	51.83333		0.0709650000	212.4783000	yes	no
T		23.66667		0.0077817390	14.3316700	no	no
		21.50000	1.7800	0.0006741573	0.0000000	no	no
		21.91667		0.0003108808	0.0000000	yes	yes
1		45.58333		0.0145340800	58.9308300	yes	no
1	no 0	39.91667		0.0003333333	0.0000000	no	no
		42.25000		0.0247656900	66.2641700	yes	no
T		27.50000		0.0006486487	0.0000000	no	no
		25.75000		0.0596524300	91.9641700	yes	no
T				0.1660628000	215.8817000	no	no
	es 0	31.83333		0.0070144790	22.9866700	yes	no
T		25.25000		0.0003636364	0.0000000	yes	no
		24.16667		0.1149625000	240.3800000	no	no
		28.16667		0.0248105100	89.9550000	yes	no
T	es 0	26.58333		0.0648855300	126.6508000	no	no
		20 01667	1 0000	0 0421200000	1/10 3/67000	1700	no

## 200	уеь	U			0.0421230000	T40.7401000	уеь	110
## 507	no	2	35.58333	5.1000	0.0002352941	0.0000000	yes	no
## 508	yes	0	32.16667	3.0000	0.1178903000	294.5592000	yes	no
## 509	yes	0	28.66667	3.5000	0.0235802800	68.3591700	yes	no
## 510	yes	0	39.75000	3.5000	0.0349694300	101.4942000	yes	no
## 511	_	0		5.5000	0.2375431000	1088.7390000	_	
	yes						yes	no
## 512	yes	0		3.8000	0.0151171100	47.7875000	yes	no
## 513	yes	0	22.66667	1.7900	0.0340413400	50.0283300	no	no
## 514	yes	0	38.25000	5.1000	0.0810800000	344.0067000	yes	no
## 515	yes	0	46.25000	8.9400	0.0252856800	188.2950000	yes	no
## 516	yes	0		7.1000	0.0414819700	245.3517000	yes	no
## 517	_			2.4000	0.1426413000	285.2825000	_	
	yes	0					yes	no
## 518	yes	1			0.0066868380	17.5833300	no	no
## 519	yes	0	38.83333	6.5000	0.2897866000	1569.6770000	yes	no
## 520	yes	0	39.58333	4.8100	0.0110588400	43.7441700	yes	no
## 521	yes	0	39.66667	3.0000	0.0224043400	55.7608300	yes	yes
## 522	yes	0	41.66667	2.7000	0.0435611100	97.5125000	yes	no
## 523	yes	0			0.0129935200	58.0541600	yes	
	_						_	yes
## 524	yes	0			0.0315060300	213.1292000	yes	yes
## 525	yes	0	27.83333	3.0400	0.0379266400	95.9975000	no	no
## 526	yes	1	29.50000	2.0800	0.0354514400	61.1991700	yes	no
## 527	yes	0	28.91667	1.5110	0.0007941761	0.0000000	no	no
## 528	no	1	31.08333	3.0000	0.0004000000	0.0000000	yes	no
## 529	yes	0			0.2956862000	640.6533000	yes	no
## 530	_	0		2.5000	0.0298332000	61.7358300	_	
	yes						yes	no
## 531	yes	0		3.5000	0.0119822900	34.5316700	yes	no
## 532	yes	0		2.4000	0.1066462000	213.2925000	no	no
## 533	yes	0	26.83333	2.3200	0.0075862070	14.0000000	no	no
## 534	yes	0	46.16667	2.5800	0.0767333400	164.6433000	yes	no
## 535	yes	0	28.08333	2.1000	0.0906800000	158.6067000	yes	no
## 536	yes	0	38.41667	2.3500	0.0685374400	133.9692000	no	no
## 537	yes	0		2.8000	0.0004285714	0.0000000		no
	_						yes	
## 538	no	2		3.7000		0.0000000	no	no
## 539	no	0			0.0007142857	0.0000000	yes	no
## 540	no	0	25.33333	2.6400	0.0004545455	0.0000000	no	no
## 541	yes	1	28.25000	2.3000	0.0348960900	66.3008300	yes	no
## 542	yes	2	35.33333	6.8880	0.0102362100	58.5058300	yes	no
## 543	no	4	25.41667	4.0000	0.0003000000	0.0000000	no	no
## 544	yes	0		2.0000	0.0602500000	100.4167000	yes	no
	-			1.9700		0.0000000	_	
	no	0			0.0006091371		no	no
## 546	yes	0	25.41667	3.0000	0.0104696700	25.5075000	no	no
## 547	yes	0	26.08333	2.7500	0.1835625000	420.5808000	yes	no
## 548	yes	0	31.25000	5.0000	0.0743784000	309.9100000	yes	no
## 549	yes	0	33.66667	2.1000	0.0449081000	78.2558400	no	no
## 550	yes	0	27.91667	4.0000	0.0370917500	123.2225000	yes	no
## 551	yes		48.33333		0.0318723300	79.1758300		
							yes	yes
## 552	yes		36.83333		0.1568097000	431.1433000	no	no
## 553	no		45.41667		0.0005106383	0.0000000	no	no
## 554	no	2	53.00000	2.1600	0.000555556	0.0000000	no	yes
## 555	yes	0	27.58333	3.9000	0.0413751300	134.3858000	yes	no
## 556	yes	0	40.00000	2.3115	0.0286234100	54.9691700	no	no
## 557	yes		49.16667		0.0007058823	0.0000000	no	no
## 558			40.33333		0.0723855000	120.5592000	no	no
	yes							
## 559	yes		23.83333		0.0801425000	320.4867000	no	yes
## 560	yes	0			0.5409953000		yes	no
## 561	yes	0	21.41667	1.5600	0.0671660300	87.1491700	no	no
## 562	yes	0	39.33333	2.0000	0.0490590000	81.2650000	yes	no
## 563	yes	0	24.25000	2.6000	0.2969185000	643.3233000	no	no
## 564	yes		47.83333		0.0347440200	134.9183000	yes	no
## 565	yes		34.83333		0.2582515000	860.7550000	no	yes
## 566		0			0.0552038000	85.9783300		
	yes						yes	no
## 567	yes		47.50000		0.1792845000	463.1517000	no	no
## 568	yes		25.75000		0.0575146400	134.2008000	no	no
## 569	yes	0	24.08333	2.0400	0.1136103000	192.7208000	no	no
## 570	yes	0	24.50000	2.1000	0.3213481000	562.3592000	no	no
## 571	yes	0	22.33333	2.0000	0.1649680000	274.9467000	no	no
## 572	yes		33.16667		0.0852958900	398.0475000	yes	no
## 573			38.91667		0.0497903300	124.4758000		
	yes						yes	no
## 574	yes		22.16667		0.0818337500	163.4175000	no	no
0 0				1 0500	0.0605794600	93.3100000	no	no
## 575	yes		23.33333					
## 575 ## 576	yes yes		23.33333		0.0470686200	113.2492000	yes	no
		0		2.9000				
## 576	yes	0	24.08333	2.9000	0.0470686200	113.2492000	yes	no

##	579	yes	0 20.250	00 2.0000	0.2048970000	341.2450000	no	no
##	580	yes	0 25.416	67 1.6417	0.3715959000	508.2908000	no	no
##	581	no	4 22.750	00 2.3400	0.0005128205	0.0000000	no	no
##	582	yes	0 24.416	67 1.9000	0.2731216000	432.3592000	no	no
	583	yes	0 21.500		0.0365032700	46.2916700	yes	no
	584	yes	0 22.416		0.0761916100	253.6292000	no	no
		_						
	585	yes	0 46.3333		0.0463068800	61.7425000	no	no
	586	yes	0 19.416		0.0841500000	125.8917000	no	no
##	587	yes	1 29.833	33 3.7000	0.5957760000	1836.9760000	no	no
##	588	yes	0 28.916	67 2.1000	0.0092857140	15.5833300	no	no
##	589	yes	0 26.666	67 2.0000	0.0314500000	51.7500000	no	no
##	590	no	1 44.833	33 2.6000	0.0004615385	0.0000000	yes	no
##	591	yes	0 27.000	00 2.6750	0.0348201900	77.2866700	yes	no
	592	no	1 30.166		0.0002884615	0.0000000	yes	yes
	593	yes	0 24.833		0.1375624000	240.4842000	no	no
	594	_	0 28.000		0.0337825000	67.3983300		no
		yes					no	
	595	yes	0 39.166		0.0267397400	69.2733300	yes	yes
	596	yes	0 31.416		0.0691713300	172.5717000	yes	no
##	597	yes	0 40.416	67 3.1150	0.0767592300	199.0042000	yes	no
##	598	no	3 23.166	67 1.6213	0.0007401468	0.0000000	no	no
##	599	yes	0 43.583	33 4.3681	0.0442927100	160.4792000	yes	no
##	600	no	0 25.166	67 2.5340	0.0004735596	0.0000000	no	no
##	601	no	2 40.583	33 3.1000	0.0003870968	0.0000000	yes	no
	602	no	7 32.083		0.0004418099	0.0000000	no	no
	603	yes	0 42.166		0.0133653500	44.4133300	no	no
	604	-	0 47.333		0.0133633300	492.2558000	no	no
		yes						
	605	yes	0 27.833		0.1608053000	401.9300000	no	no
	606	yes	0 30.666		0.0682901600	179.1783000	yes	no
	607	no	0 38.500		0.0002010050	0.0000000	yes	no
##	608	yes	0 31.000	00 2.6000	0.0841927000	182.1675000	no	no
##	609	no	0 47.916	67 8.4000	0.0001428571	0.0000000	yes	no
##	610	yes	0 21.916	67 1.9500	0.0383810300	61.9525000	no	no
##	611	yes	0 36.750	00 3.0000	0.0324970000	80.8258400	yes	no
##	612	yes	0 23.500	00 2.8000	0.0039285710	8.3333330	yes	no
	613	yes	1 25.333		0.0446525300	169.0575000	yes	no
		_	0 21.250		0.0349633200	57.9808300	-	
	614	yes					no	no
	615	yes	0 48.916		0.0541688900	203.1333000	no	no
	616	no	0 35.583		0.0003000000	0.0000000	no	no
	617	yes	0 39.083		0.0620622900	181.0150000	yes	no
##	618	no	1 27.666	67 2.1500	0.0005581395	0.0000000	no	no
##	619	no	0 23.250	00 1.6200	0.0007407407	0.0000000	no	no
##	620	yes	0 31.166	67 3.5000	0.1656494000	483.0608000	no	no
	621	yes	0 26.833	33 2.9000	0.0068720690	15.9408300	yes	yes
	622	yes	0 39.250		0.0636407900	180.6550000	no	yes
	623	_			0.0036407900	4.58333330		
		yes					no	yes
	624	yes	0 27.166		0.8778461000		no	no
	625	yes	0 24.666		0.2071184000	356.7817000	no	no
##	626	yes	0 44.666		0.0005000000	0.0000000	no	no
##	627	yes	0 25.166	67 3.4200	0.0089152050	24.5750000	no	no
##	628	yes	0 21.916	67 6.7000	0.0541486600	302.2467000	no	no
	629	yes	0 40.416		0.0075060770	33.2150000	no	no
	630	yes	0 24.083		0.0105080200	13.6858300	no	no
	631	_	0 31.833		0.0580038800	116.3525000	no	no
		yes						
	632	yes	0 24.666		0.0511402900	144.3975000	no	no
	633	yes	0 47.416		0.0381111100	113.7500000	yes	yes
	634	yes	0 27.166		0.0887728000	184.9433000	no	no
##	635	yes	0 49.583	33 1.7500	0.0107422900	15.3325000	yes	no
##	636	yes	0 32.000	00 2.5000	0.0544468000	113.1808000	no	no
	637	yes	0 35.000	00 4.5000	0.0102222200	37.5833300	yes	no
	638	no	1 26.166		0.0004866180	0.0000000	yes	no
	639	yes	0 20.666		0.0698444500	156.9000000	no	no
	640	_	0 34.250		0.0005000000	0.0000000		
		no					no	no
	641	yes			0.0607597100	349.2017000	yes	no
	642	yes	0 40.750		0.1537802000	615.1208000	yes	no
##	643	yes	0 20.833	33 1.9200	0.1300521000	208.0833000	no	no
##	644	yes	0 40.333	33 2.8000	0.0381382100	88.7391700	no	no
##	645	yes	0 25.083	33 1.6949	0.0246769700	34.5208300	no	no
##	646	yes	0 29.333	33 3.5000	0.1257411000	366.7450000	no	no
	647	yes	1 40.500		0.0238222200	44.0000000	no	no
	648	no	2 30.750		0.0005183585	0.0000000	no	no
	649		0 30.666		0.0901157500	299.8858000		
		yes					yes	no
##	650	yes	0 40.000		0.0957660100 0.0931297600	359.1225000 246.5708000	no	no
0.00	651	yes					no	no

##	652	yes	0	23.08333	3.0000	0.0258633300	63.9916600	no	no
##	653	yes	0	31.33333	3.0000	0.0206580000	51.6450000	yes	no
##	654	no	0	24.58333	2.0000	0.0006000000	0.0000000	no	no
##	655	yes	0	36.50000	3.5000	0.2171703000	633.4133000	yes	no
##	657	no	0	28.83333	2.5800	0.0004651163	0.0000000	yes	no
##	658	yes	0	45.58333	11.9999	0.0200661700	200.4933000	yes	yes
##	660	no	0	23.25000	1.4340	0.0008368201	0.0000000	yes	no
##	661	yes	0	38.91667	3.6800	0.0195225600	59.6191700	yes	no
##	662	no	0	23.83333	2.5500	0.0004705882	0.0000000	yes	no
##	663	no	4	37.25000	3.5000	0.0003428572	0.0000000	yes	no
##	664	yes	0	28.25000	2.3000	0.1644965000	315.2017000	yes	no
##	665	yes	0	26.25000	3.1894	0.0972123300	258.2908000	no	no
##	666	yes	0	26.50000	2.3500	0.0005106383	0.0000000	no	no
##	667	no	4	25.83333	1.9700	0.0006091371	0.0000000	no	no
##	668	yes	0	41.25000	3.6000	0.1525236000	457.4875000	yes	no
##	669	no	1			0.0003750000	0.0000000	no	no
##	670	yes	0	34.75000		0.0033000000	4.5833330	yes	no
##	671	yes	0	31.50000		0.3137003000	745.0383000	yes	no
##	672	yes	0	24.00000	3.0950	0.0698588000	180.1775000	yes	no
##	673	yes	0	25.16667		0.0898046700	111.8392000	yes	no
##	674	yes	0	57.08333		0.1534315000	613.6425000	yes	no
##	675	yes	0	23.83333		0.1539746000	333.6117000	no	no
##	676	yes	0	23.16667		0.0874582500	207.7133000	yes	no
##	677	yes	0	28.16667		0.0716247800	199.3692000	yes	no
##	678	yes	0	32.58333		0.0541406700	81.4350000	yes	no
##	679	yes	0	34.83333		0.0388272200	116.3150000	yes	yes
##	680	no	0	31.08333		0.0007920792	0.0000000	no	no
##	681	yes	0	24.83333		0.2650900000	530.1800000	no	no
##	682	no	0	38.66667		0.0004000000	0.0000000	no	no
##	683	no	7			0.0003428572	0.0000000	yes	no
##	684	yes	0	29.75000		0.0467130000	116.4492000	yes	no
##	685	yes	0	34.75000		0.1833799000	357.5908000	yes	no
##	686	yes	0	25.08333		0.1227771000	214.8600000	no	no
##	687	yes	0	22.16667		0.1506275000	200.5867000	yes	no
##	688	yes	0			0.0307563200	56.4633300	no	no
##	689	yes	0	32.00000		0.0060821920	17.6666700	yes	no
##	690	no	6	39.33333		0.0003750000	0.0000000	no	no
##	691	no	0	30.91667		0.0003730000	0.0000000	no	no
##	692	yes	1			0.0943482000	479.4367000	yes	no
##	693	no	_	36.41667		0.0004000000	0.0000000	no	no
##	694	yes	0	36.91667		0.0823800000	308.9250000	yes	no
##	695	yes		28.83333		0.0795650200	144.6417000	yes	no
##	696	no	0			0.0003692308	0.0000000	yes	no
##	697	yes		35.16667		0.1334473000	244.6533000	yes	no
##	698	yes		74.16666		0.0168893600	38.8333300	yes	no
##	699	yes		28.41667		0.2284344000	462.6558000	yes	no
##	700	yes	0	55.16667		0.0385852200	214.9342000	yes	no
##	701	no		38.33333		0.0003000000	0.0000000	yes	yes
##	702	no		37.83333		0.0003300000	0.0000000	yes	yes
##	702	yes		39.66667		0.0575113700	244.4233000	yes	no
##	703	yes		44.58333		0.0375113700	135.1842000	yes	no
##	705	yes	0	30.75000		0.0398010700	185.7383000	yes	no
##	706	yes		23.41667		0.2670521000	413.5975000	no	no
##	707	no		27.41667		0.0007317073	0.0000000	no	no
##	708	yes		51.91667		0.0027058820	14.6666700	no	no
##	709	yes		22.83333		0.0114230000	16.9133300	no	no
##	710	no		22.50000		0.00114250000	0.0000000	no	no
##	711	no		36.83333		0.0004000000	0.0000000	yes	no
##	712	yes		36.41667		0.0114545500	20.33333300	yes	no
##	713	no		22.75000		0.0006666667	0.0000000	no	no
##	714	yes	0			0.0029615380	5.5833330	no	no
##	715	no		27.08333		0.0023013300	0.0000000	no	no
##	716	yes		38.33333		0.0572476000	238.3650000	yes	no
##	717	yes		28.66667		0.0855907500	300.9942000	yes	no
##	718	yes		38.16667		0.1649273000	552.3417000	no	no
##	719	yes		26.08333		0.1649273000	113.5892000	no	no
##	720	yes		22.00000		0.0434690000	99.9166600	no	no
##	721	yes		23.50000		0.0382131300	147.3333000	no	no
##	721	yes		29.58333		0.2015343000	480.3233000	no	no
##	723	yes		23.08333		0.2015343000	304.8950000	no	no
##	724	yes	0	33.83333		0.0218994300	63.4566700	yes	no
##	725	yes	0	64.58334		0.0218994300	149.7000000	yes	no
	725	yes		23 20000		0.0255569500	0 000000	yes	no

## /40	110	U	23.30000		0.0004000000	0.0000000	110	110
## 727	yes	0	23.83333	3.3000	0.0604457600	166.0592000	no	no
## 728	yes	0	36.91667	2.2000	0.0809218100	148.1900000	no	no
## 729	yes	1	38.25000	3.2000	0.0454578100	121.2208000	yes	no
## 730	yes	0	22.00000	4.0000	0.0480585000	160.0283000	yes	no
## 731	-	0		5.5689	0.0434159300	201.4825000	_	
	yes	_					no	no
## 732	yes	0		7.0000	0.0102061400	59.1191700	yes	no
## 733	no	1	26.25000	2.3000	0.0005217391	0.0000000	no	no
## 734	yes	0	21.50000	5.5000	0.0779554500	356.8792000	no	no
## 735	yes	1	41.41667	2.5000	0.0765740100	159.1958000	no	yes
## 736	no	1		2.5000	0.0004800000	0.0000000	yes	no
## 737		0		8.0000		112.8783000	_	
	yes				0.0170067500		yes	no
## 738	yes	0			0.0715699400	108.9775000	no	no
## 739	yes	0	27.25000	2.9000	0.0382155200	91.6875000	no	no
## 740	no	3	38.75000	4.7000	0.0002553191	0.0000000	yes	no
## 741	no	2.	23.08333	1.7250	0.0006956522	0.0000000	no	no
## 742	no	0		1.5548	0.0007718034	0.0000000	no	no
		0			0.1451636000	462.0208000		
	yes	_					no	no
## 744	yes	0	52.41667	2.4000	0.0692845900	138.5692000	no	yes
## 745	yes	0	31.75000	2.4000	0.1869583000	373.4167000	no	no
## 746	yes	0	36.00000	3.0000	0.1218490000	304.6225000	no	no
## 747	yes	0	21.41667	1.6000	0.2893312000	385.7750000	no	no
## 748	yes	0	42.08333	2 6800	0.1430284000	319.4300000	no	no
	_							
## 749	yes	0			0.0887660300	465.9383000	no	yes
## 750	yes	0		1.6000		59.7866700	no	no
## 751	yes	0	32.25000	2.6000	0.0787903800	170.4625000	no	no
## 752	yes	0	28.91667	2.1000	0.1384924000	242.1950000	no	no
## 753	no	1	28.33333	1.9324	0.0006209894	0.0000000	no	no
## 754	yes	0	23.16667	2 5000	0.2298220000	478.7125000	yes	no
## 755	-	1		1.8000	0.0006666667	0.0000000	-	
	no	_					no	yes
## 756	yes	0	31.41667	3.5600	0.0332061800	98.3450000	no	no
## 757	yes	0	24.91667	3.4000	0.1063297000	301.0175000	no	no
## 758	yes	0	28.25000	2.5500	0.2395941000	509.0542000	no	no
## 759	yes	0	47.41667	4.9200	0.0448939000	183.8983000	yes	yes
## 760	yes	0		3.9000	0.0144687200	46.5233300	no	no
	-							
## 761	yes	0		5.2000	0.0591584600	256.1867000	no	no
## 762	yes	0	54.41667	9.0000	0.0628297800	470.9733000	yes	no
## 763	yes	0	35.25000	6.0000	0.4582348000	2291.1740000	no	no
## 764	yes	0	35.50000	7.5000	0.0205616000	128.4267000	yes	no
## 765	yes	0	44.50000	9.0000	0.2599927000	1949.8620000	no	no
## 766	-	0		2.1000	0.1538495000	269.1533000	no	no
	yes	_						
## 767	yes		23.75000		0.0168260000	41.4816700	no	no
## 768	yes	0	27.58333	2.6000	0.0366665400	79.3608300	no	no
## 769	yes	0	54.75000	5.4800	0.1342037000	612.8633000	yes	no
## 770	yes	0	40.33333	8.2000	0.0282001200	192.4508000	yes	no
## 771	yes	1	32.83333	2.5000	0.1573136000	327.7367000	no	no
## 772			28.50000		0.0710463400	177.6158000	yes	
	yes							no
## 773	yes		35.50000		0.0675980000	365.9058000	yes	no
## 774	yes		56.75000		0.0066693080	41.3333300	yes	yes
## 775	yes	1	28.16667	2.0000	0.0518390000	86.1483300	no	no
## 776	no	3	31.00000	3.2500	0.0003692308	0.0000000	no	no
## 777	no	2	24.00000	3.0000	0.0004000000	0.0000000	no	no
## 778	yes		40.75000		0.0645882900	376.7650000	no	no
## 779	_		33.00000		0.0001600000	0.0000000		
	no						no	no
## 780	yes	0			0.0598715800	189.1767000	yes	no
## 781	yes	0	25.91667	3.7000	0.0843635100	260.1208000	yes	no
## 782	yes	0	33.16667	3.4000	0.1436397000	406.9792000	yes	no
## 783	no	1	27.91667	2.8500	0.0004210526	0.0000000	no	no
## 784	yes		28.33333		0.0548715400	118.7217000	no	no
## 785	yes		22.08333		0.0706762400	91.7325000	no	no
	_							
## 786	yes		24.25000		0.1336028000	200.2375000	yes	no
## 787	yes	0			0.1696903000	438.3667000	yes	no
## 788	no	0	25.41667	1.5000	0.0008000000	0.0000000	no	yes
## 789	yes	1	19.00000	2.1900	0.3406356000	621.6600000	no	no
## 790	yes	Ο	31.25000	5.5000	0.0708629000	324.7050000	yes	no
## 791	yes	0			0.0404252300	148.0592000	yes	no
	_						_	
## 792	yes	0			0.3761903000	940.3925000	yes	no
## 793	yes		26.33333		0.1325831000	325.8500000	no	no
## 794	yes	0	26.66667	1.6000	0.0235362500	30.5483300	yes	no
## 795	yes	0	22.41667	2.0000	0.1157910000	192.8183000	no	no
		_	05 00000	0.0540	0.1362319000	324.0275000	no	yes
## 796	yes	0	25.08333	2.8342	0.1302313000	324.02/3000		y C D
	_							
## 796 ## 797 ## 798	yes yes yes	0		2.2000	0.0502668200 0.0878953400	91.9891700 267.3483000	no no	no no

##	799	no		9	35.08333	1.7000	0.0007058823	0.0000000	no	no
##	800	yes		0	57.33333	1.6500	0.0095151510	12.2500000	no	no
	801	-			52.16667		0.0446221800	98.5791600		
		yes							yes	no
##	802	yes	(U	41.83333		0.0190720000	43.2066700	yes	no
##	803	yes	(0	39.41667	1.5600	0.0466538400	60.0666700	no	no
##	804	no		1	56.75000	8.0000	0.0001500000	0.0000000	yes	no
	805	yes		n	28.25000	2 0272	0.1110255000	187.1425000	yes	no
		_								
	806	yes			38.08333		0.0092175000	29.9750000	yes	no
##	807	yes	(0	55.08333	6.7000	0.0798607500	445.8058000	yes	no
##	808	yes	(0	29.33333	2.5000	0.1795448000	374.0517000	yes	no
##	809	yes		n	19.83333	3 0000	0.0004000000	0.0000000	no	no
		_								
	810	yes			25.25000		0.0454271800	121.0558000	no	no
##	811	yes	(0	27.25000	3.1800	0.0908757900	240.8208000	no	no
##	812	yes	(0	27.50000	3.2000	0.0310034400	82.3425000	yes	no
##	813	yes		1	26.00000	1.7305	0.0912042800	131.5242000	no	no
		_								
	814	yes			25.91667		0.1078696000	215.7392000	no	no
##	815	no		1	32.25000	2.2500	0.0005333333	0.0000000	no	no
##	816	yes	(0	43.33333	3.9495	0.1571475000	517.2117000	yes	no
##	817	yes		0	34.91667	3.0000	0.0146486700	36.2050000	no	no
	818	_			27.75000		0.0725984900	159.6550000		
		yes							no	no
	819	no			28.00000		0.0005366727	0.0000000	no	no
##	820	yes	(0	39.41667	4.7000	0.0631402100	247.2992000	yes	no
##	821	yes		0	40.83333	3.4800	0.0076890800	21.7150000	no	no
	822	_			23.33333		0.0079607840	16.2500000		
		yes							no	no
	823	yes			43.58333		0.0436476500	100.3367000	yes	no
##	824	yes	(0	47.83333	3.1131	0.0250576600	64.7558400	no	no
##	825	yes		0	18.75000	1.9680	0.0638719500	103.9167000	no	no
	826	_			21.16667		0.1925344000	288.8017000		
		yes							no	no
	827	no			54.83333		0.0001276596	0.0000000	yes	no
##	828	yes	(0	35.50000	5.5000	0.0128963600	58.6083300	no	no
##	829	no		0	24.16667	1.5000	0.0008000000	0.0000000	no	no
	830	yes			24.83333		0.1720774000	387.1742000	no	no
		_								
	831	yes			23.83333		0.0697655300	136.0408000	no	no
##	832	yes	(0	39.91667	4.6000	0.0275195700	105.3250000	no	no
##	833	yes		0	31.75000	10.9999	0.0107009200	97.4241600	no	no
	834	yes			62.50000		0.1037453000	229.4933000	no	no
		_								
	835	yes			36.33333		0.0712285700	436.2750000	no	no
##	836	yes	(0	23.00000	3.2000	0.0171090600	45.1241700	no	no
##	837	yes	(0	28.33333	6.2000	0.0689293600	355.9683000	yes	no
	838	yes			38.00000		0.2386927000	650.4375000	no	no
		_								
	839	yes			49.16667		0.1435230000	442.4458000	no	no
##	840	yes	(0	50.91667	1.7500	0.2131486000	310.8417000	no	no
##	841	no	(0	23.58333	2.4250	0.0004948454	0.0000000	no	yes
	842	no			29.00000		0.0004444444	0.0000000	no	no
	843	yes			45.25000		0.1384322000	426.8325000	no	no
	844	yes	(0	31.66667	3.2000	0.0137812500	36.2500000	no	no
##	845	yes	(0	31.83333	3.1000	0.1304742000	337.0583000	no	no
	846	no			37.58333		0.0001333333	0.0000000	no	no
	847	yes			27.58333		0.2204731000		no	yes
##	848	no	(0	36.08333	4.1000	0.0002926829	0.0000000	yes	no
##	849	yes	(0	38.33333	3.0000	0.2273640000	568.2433000	yes	no
	850	yes			25.50000		0.1980021000	461.9217000	no	no
		_								
	851	yes			41.50000		0.0329643200	140.0150000	no	no
##	852	yes	(0	34.58333	7.0000	0.0354654300	206.3817000	no	yes
##	853	yes	(0	24.50000	2.3040	0.3747426000	719.5059000	no	no
	854	yes			32.16667		0.2000322000	383.3117000	no	no
		_								
	855	no			24.58333		0.0006315790	0.0000000	no	no
	856	yes	(0	23.83333	2.3000	0.1386009000	265.6517000	no	no
##	857	no		1	22.66667	1.5000	0.0008000000	0.0000000	no	no
	858	yes	1	0	26.08333	2.3750	0.1428510000	282.7258000	no	yes
		_								
	859	yes			30.16667		0.1643857000	383.5667000	no	no
	860	yes	(0	27.08333	2.5224	0.2354365000	494.8875000	no	no
##	861	yes	(0	27.16667	2.2000	0.0073095450	12.6508300	no	no
	862	yes			32.41667		0.1192053000	317.4642000	no	no
		_								
	863	yes			32.50000		0.0034567570	9.7416670	no	no
##	864	yes	(0	46.00000	1.8000	0.0335000000	49.4166700	no	no
##	865	no	2	2	47.00000	2.3500	0.0005106383	0.0000000	no	no
	866	yes			22.75000		0.5418599000	821.8208000	no	no
	867	_			42.08333		0.0706803600	323.9517000		
		yes							no	no
	868	no			30.41667		0.0004615385	0.0000000	no	no
##	869	yes	(0	21.41667	2.1500	0.2658507000	476.3158000	no	no
##	870	yes	(0	36.66667	3.8000	0.0359192100	112.9942000	yes	no
	871	yes			37.16667		0.0269280000	44.4633300	no	
ir #	U / I	yes	'	J	J / . I U U D /	2.0000	U.UZUJZUUUUU	11.1000000	110	no

## 872	yes	2	26.58333	2.4500	0.1217171000	248.5058000	no	no
## 873	yes	1	46.41667		0.1096431000	319.7925000	yes	no
## 874	yes	0	25.58333	2.8000	0.3252597000	758.9391000	no	no
## 875	yes	1	30.33333	1.9900	0.2490915000	412.9933000	no	no
## 876	no	0	27.50000	2.0000	0.0006000000	0.0000000	no	no
## 877	yes				0.0755176200	131.9892000	yes	no
## 878	yes	0	20.00000		0.0226835100	52.4891700	no	no
## 879	yes	0	23.25000		0.1166047000	225.2692000	no	no
## 880	yes	0	45.08333		0.0777669500	298.0233000	no	no
## 881	no	1			0.0006000000	0.0000000		no
## 882		_	29.75000		0.0694203300	173.4675000	yes no	
	yes	0	52.33333		0.0034203300	79.6850000		no
	yes	_					yes	no
## 884	yes	0	41.66667		0.0672495100	138.5467000	no	no
## 885	yes	0	22.75000		0.1578128000	565.3292000	no	no
## 886	no	0	33.00000		0.0006779661	0.0000000	no	no
## 887	yes		29.83333		0.1085196000	220.8942000	no	no
## 888	yes	0	20.25000		0.3426108000	527.9417000	yes	no
## 889	yes	0	26.08333		0.0565201800	104.7833000	no	no
## 890	no	0	22.50000		0.0004800000	0.0000000	no	no
## 891	yes	3			0.1596184000	466.3475000	no	no
## 892	yes	0	27.33333	3.2875	0.0324200800	88.8175000	no	no
## 893	yes	0	28.50000	4.2320	0.1239747000	437.1342000	no	yes
## 894	no	1	36.91667	1.8500	0.0006486487	0.0000000	no	no
## 895	yes	0	26.00000	2.2000	0.0625927300	114.2533000	no	no
## 896	no	0	41.83333	3.5000	0.0003428572	0.0000000	no	no
## 897	yes	0	23.75000	3.0000	0.1172833000	293.0417000	no	no
## 898	yes	0	25.25000	1.8000	0.4559923000	683.9883000	yes	no
## 899	yes	0	25.66667	1.7000	0.0800700000	113.0992000	no	no
## 900	yes	0	29.00000	5.5000	0.0629520000	288.3633000	no	no
## 901	yes	0	40.58333	2.5685	0.0523301500	111.6750000	no	no
## 902	no	2	59.00000	3.5000	0.0003428572	0.0000000	no	no
## 903	yes	0	37.41667	2.5000	0.0726416000	151.3367000	no	no
## 904	yes	0	30.83333	3.3026	0.0019984250	4.5833330	no	no
## 905	yes	0	29.83333	2.2500	0.1068240000	199.7950000	no	no
## 906	yes	1			0.0370400000	308.2500000	yes	no
## 907	yes	0	25.50000		0.0801558600	193.2933000	no	no
## 908	no	2	36.33333		0.0004067797	0.0000000	no	no
## 909	no	0	25.33333		0.0007500000	0.0000000	no	no
## 910	yes	0	28.50000		0.0212132400	59.8541700	no	no
## 911	no	-	22.00000		0.0005714286	0.0000000	yes	no
## 912		0	27.58333		0.1177562000	313.4333000	_	
## 913	yes		29.33333		0.0003428572	0.0000000	no	no
	no	0			0.0947886600		no	no
## 914	yes					195.0233000	no	no
## 915	yes	0			0.0750519200	162.4458000	no	no
## 916	no		39.16667		0.0002981515	0.0000000	no	no
## 917	yes		22.66667		0.1797090000	314.4908000	no	no
## 918	yes	0	30.08333		0.1804298000	292.9483000	no	no
## 919	no	0	34.16667		0.0003333796	0.0000000	no	no
## 920	no	2			0.0003243243	0.0000000	no	no
## 921	yes	0			0.2136177000	533.6275000	no	no
## 922	yes		32.33333		0.0916633300	343.6542000	no	no
## 923	no		24.75000		0.0005217391	0.0000000	no	no
## 924	yes		45.16667		0.1362400000	397.0333000	yes	no
## 925	yes	0			0.0412857200	71.6666600	yes	no
## 926	yes		40.75000		0.1209914000	503.5475000	no	no
## 927	yes	0			0.0700069400	142.5142000	no	no
## 928	yes	0	41.41667		0.0031428570	8.3333330	no	no
## 929	yes	0	24.50000	2.5000	0.2339912000	487.4817000	no	no
## 930	no	11	30.33333	3.6000	0.0003333333	0.0000000	no	no
## 931	yes	0	25.16667	2.6560	0.1594194000	352.8483000	yes	no
## 932	no	0	28.33333	2.5000	0.0004800000	0.0000000	no	no
## 933	no	0	28.41667	2.0000	0.0006000000	0.0000000	no	no
## 934	yes	0	25.08333	3.5200	0.0210795500	61.1666700	no	no
## 935	yes	1	23.25000	1.8769	0.3536299000	553.1067000	no	no
## 936	yes	0	21.25000	2.2500	0.0318697800	59.0891600	no	no
## 937	yes	0	39.83333	1.7123	0.0930713000	132.4717000	no	no
## 938	yes	0	25.75000	4.0000	0.0269980000	89.8266700	no	no
## 939	yes	0	25.25000	2.1600	0.0205555600	36.3333300	no	no
## 940	yes	2	40.41667	3.3000	0.0397793900	108.9767000	no	no
## 941	yes	0	37.66667		0.0111674300	64.5600000	yes	no
## 942	yes	0			0.1102229000	192.6400000	no	no
## 943	yes	0	41.66667		0.0529396700	131.7658000	yes	no
## 011	1700	1			U UE00E38EUU	203 8017000	no	no

## 244	yes	1 24.20U	00 3.3000	0.0099020000	ZUJ.UJ1/UUU	110	110
## 945	no	0 22.916	67 2.0700	0.0005797101	0.0000000	no	no
## 946	yes	0 19.000	00 2.8000	0.1672143000	390.1667000	yes	no
## 947	yes	0 57.083	33 5.0000	0.0002400000	0.0000000	yes	yes
## 948	yes	0 33.916	67 2.1888	0.1483196000	270.3683000	no	no
## 949	no	14 48.250			0.0000000		no
						yes	
## 950	yes	1 48.750			0.0000000	no	yes
## 951	yes	0 28.916	67 2.6900	0.1571033000	352.1733000	no	no
## 952	yes	1 40.833	33 3.7300	0.0578351200	179.7708000	yes	no
## 953	yes	0 32.833	33 2.0000	0.0938035000	156.0892000	yes	no
## 954	yes	0 44.333	33 4.3000	0.0163951200	57.9158300	yes	no
## 955	yes	0 38.166	67 5.5000		205.5133000	yes	no
	_				149.2992000	_	
	yes					yes	no
## 957	yes	1 44.250			310.7358000	yes	no
## 958	yes	0 18.166	67 2.8200	0.0418539000	97.9400000	no	no
## 959	yes	0 24.583	33 2.2000	0.0693827300	127.1183000	yes	no
## 960	yes	0 47.500	00 2.6611	0.0995644600	220.7925000	yes	no
## 961	no	3 31.666	67 7.5000	0.0001600000	0.0000000	no	no
## 962	yes	0 33.083			854.7850000	yes	no
	_					_	
## 963	yes	0 31.583			602.9208000	yes	no
## 964	yes	0 38.416	67 5.6000	0.0934841000	436.2592000	yes	no
## 965	no	0 19.583	33 2.1000	0.0005714286	0.0000000	no	no
## 966	yes	0 35.333	33 4.5000	0.0180482200	67.0975000	yes	no
## 967	yes	0 29.250	00 2.5100	0.0451083700	94.2683300	no	no
## 968	yes	2 46.000	00 10.0320	0.0101344700	84.3908300	yes	no
## 969	yes	0 19.916			175.4442000	no	no
## 970	_	0 22.833			132.1292000		
	yes	0 22.833				no	yes
	yes				305.8375000	no	no
## 972	yes	0 18.500			440.6908000	no	no
## 973	yes	0 49.166	67 5.2000	0.1465260000	634.8625000	yes	no
## 974	no	0 47.750	00 1.5000	0.0008000000	0.0000000	yes	no
## 975	yes	0 49.166	67 9.9999	0.0111631100	92.4416700	yes	no
## 976	yes	0 57.583	33 4.1000	0.0838985400	286.5700000	yes	no
## 977	yes	0 24.583			121.0308000	no	no
## 978	_	0 26.416			136.1242000	yes	no
	yes					-	
## 979	no	5 38.250			0.0000000	no	no
## 980	yes	1 29.583			510.0900000	yes	no
## 981	yes	1 30.666	67 2.7400	0.0185667900	42.3108300	yes	no
## 982	yes	1 58.916	67 2.7000	0.0032222220	6.4166670	yes	no
## 983	yes	0 38.500	00 3.2618	0.0029431600	7.0833330	no	no
## 984	yes	0 45.666	67 5.8000	0.0330648300	159.7300000	yes	no
## 985	yes	0 25.833	33 2.5000	0.0598016000	124.5033000	no	no
## 986	yes	0 30.000		0.3527866000		yes	no
	_			0.0008000000	0.0000000	_	
## 987	no	0 80.166				no	no
## 988	no	0 25.583		0.0006857143	0.0000000	no	no
## 989	no	5 40.083	33 4.4000	0.0002727273	0.0000000	yes	no
## 990	yes	0 42.083	33 4.7000	0.0184789400	71.9591700	yes	yes
## 991	yes	0 49.000	00 3.3000	0.0407093900	111.6175000	yes	no
## 992	yes	0 44.000	00 5.8000	0.0799074200	386.0525000	yes	no
## 993	no	1 43.166		0.0002255639	0.0000000	yes	no
## 994		0 25.000		0.0315875000	62.5083300	no	no
	yes						
## 995	yes	0 43.833		0.0589021600	159.3600000	yes	no
## 996	yes	0 24.500		0.1705402000	434.8775000	no	no
## 997	yes	0 39.500		0.0162310000	40.3275000	yes	no
## 998	yes	0 25.666	67 2.2000	0.0214772700	38.7083300	yes	no
## 999	yes	0 43.666	67 3.0000	0.0230226700	57.3066700	yes	no
## 1000	yes	0 46.333	33 4.2000	0.0088416660	30.4458300	yes	no
## 1001	yes	0 34.166		0.0541202500	106.7208000	yes	no
## 1002	yes	1 38.833		0.0864670600	181.4142000	yes	no
## 1002	_	1 37.083		0.1602140000	732.9792000	_	
	yes					yes	no
## 1004	yes	0 19.500		0.0004026846	0.0000000	no	no
## 1005	no	0 27.416		0.0003333333	0.0000000	no	no
## 1006	yes	0 39.916		0.0511706700	95.5283400	yes	no
## 1007	yes	0 45.666	67 3.2240	0.3338480000	896.9384000	yes	no
## 1008	yes	0 52.166	67 5.0000	0.0204978000	85.2408300	yes	no
## 1009	no	3 34.750	00 2.6700	0.0004494382	0.0000000	no	no
## 1010	yes	0 30.083		0.0956197300	298.4783000	yes	no
## 1011	yes	0 61.583		0.0003200000	0.0000000	yes	no
	_					_	
## 1012	yes	0 32.666		0.0040689190	11.7125000	yes	no
## 1013	yes	0 38.833		0.0241157600	65.8183400	yes	no
## 1014	yes	0 37.083		0.1540159000	898.4258000	yes	no
## 1015	yes	2 33.500	00 3.3748	0.1758282000	494.4875000	no	no
## 1016	no	0 30.083	33 3.1200	0.0003846154	0.0000000	no	no
I .							

## 1017	yes	0 42.66667	2.5900	0.0314837800	67.5358400	yes	yes
## 1018	yes	2 29.41667	2.1000	0.0722971400	126.1033000	yes	no
## 1019	yes	0 52.66667	3.0000	0.0395730000	98.6825000	yes	no
## 1020	yes	0 29.83333		0.1059863000	264.9658000	yes	no
## 1021	yes	0 45.75000		0.0048636370	17.0833300	yes	no
	_					_	
## 1022	yes	0 30.16667		0.1816442000	469.2475000	yes	no
## 1023	yes	0 30.83333	2.9800	0.0437432900	108.2958000	no	no
## 1024	yes	0 22.25000	2.8000	0.2532993000	590.9484000	yes	no
## 1025	no	0 37.16667	1.8339	0.0006543432	0.0000000	no	no
## 1026	yes	0 22.00000	3.2905	0.0175657200	48.0833300	no	no
## 1027	yes	0 29.00000	2 7000	0.000444444	0.0000000	no	no
## 1028	-	0 28.33333		0.0436476900	141.6883000		
	yes					yes	no
## 1029	no	5 27.16667		0.0006666667	0.0000000	no	no
## 1030	yes	0 31.33333		0.0411346900	109.6092000	no	no
## 1031	yes	0 32.66667	3.6500	0.5383649000	1637.5270000	yes	no
## 1032	yes	0 30.58333	3.5000	0.0393054300	114.5575000	no	no
## 1033	yes	0 40.66667	4.7700	0.0031461220	11.6725000	yes	no
## 1034	yes	0 39.08333	4 2000	0.0065545240	22.3575000	yes	no
## 1035	_			0.0002400000	0.0000000	_	
	no					yes	yes
## 1036	yes	0 24.75000		0.0549975000	91.4125000	yes	yes
## 1037	yes	0 26.50000		0.1106477000	239.4867000	yes	no
## 1038	yes	0 61.16667	5.0000	0.0457034000	190.4308000	yes	no
## 1039	yes	0 44.08333	4.0000	0.0201197500	66.7325000	yes	yes
## 1040	yes	0 61.08333	5.3726	0.0495787900	221.8892000	yes	yes
## 1041	yes	0 40.66667		0.1966153000	446.4150000	no	no
## 1042	yes	0 20.83333		0.5535178000	830.2767000	no	no
	_						
## 1043	yes	0 45.91667		0.0342142500	113.6308000	yes	no
## 1044	yes	0 26.83333		0.0005714286	0.0000000	no	no
## 1045	no	0 33.58333		0.0004705882	0.0000000	no	no
## 1046	yes	0 30.66667	2.5000	0.0611788000	127.3725000	yes	no
## 1047	yes	0 23.91667	2.0000	0.1001910000	166.9017000	no	no
## 1048	yes	0 34.83333	3.0000	0.1263770000	315.9425000	no	no
## 1049	yes	0 38.58333	2,6000	0.0793973100	171.8608000	yes	no
## 1050	yes	1 35.83333		0.0235945800	46.6058300	no	
	-						yes
## 1051	yes	0 36.00000		0.0920405000	306.4683000	yes	no
## 1052	yes	0 42.66667		0.0061451610	31.0000000	yes	no
## 1053	yes	0 22.58333	2.2000	0.0766177300	140.2992000	no	no
## 1054	no	1 28.50000	2.0000	0.0006000000	0.0000000	no	no
## 1055	yes	1 44.91667	5.8000	0.0363574100	175.6442000	yes	no
## 1056	yes	0 30.58333	1.8000	0.0198994400	29.5158300	no	no
## 1057	yes	0 27.25000	3.2640	0.0248290400	67.2016700	no	no
## 1058	yes	0 24.00000		0.0836781000	146.2700000		no
## 1050	-	0 23.41667		0.0024038460	4.58333330	yes	
	yes					no	no
## 1060	yes	1 55.33333		0.0522005400	160.4517000	yes	no
## 1061	yes	0 35.16667		0.0429522300	171.5125000	yes	no
## 1062	yes	0 46.33333	3.0500	0.0034918030	8.1250000	yes	no
## 1063	yes	0 39.41667	2.4000	0.1922946000	384.1725000	no	no
## 1064	yes	0 34.91667	5.0000	0.4258454000	1774.3560000	yes	no
## 1065	yes	0 19.08333		0.1316562000	285.2550000	no	no
	_			0.0149500000			
## 1066	yes	0 27.58333			49.2500000	yes	yes
## 1067	yes	0 46.25000		0.0071380880	40.1991700	yes	yes
## 1068	yes	0 47.16667		0.0168041200	26.5000000	no	no
## 1069	yes	0 25.41667	2.4500	0.0900706100	183.5608000	no	no
## 1070	yes	0 51.33333	4.5300	0.0121468000	45.3541700	yes	no
## 1071	yes	0 41.00000	6.8250	0.1168532000	664.6025000	no	no
## 1072	yes	1 36.33333		0.0117189600	37.0150000	no	no
## 1072	_	0 32.41667		0.3767844000	862.9642000		
	yes					yes	no
## 1074	no	3 41.75000		0.0003428572	0.0000000	yes	no
## 1075	no	3 32.75000		0.0004000000	0.0000000	yes	no
## 1076	yes	0 21.91667	2.3000	0.0749195600	143.4292000	yes	no
## 1077	yes	0 29.25000	1.8000	0.0833661200	124.6325000	no	no
## 1078	yes	0 21.08333	2.2000	0.3152637000	577.9833000	no	no
## 1079	yes	0 34.66667		0.0665858300	266.3433000	yes	no
## 1075	yes	0 27.91667		0.0179230400	30.0525000		
	_					yes	no
## 1081	yes	1 36.50000		0.1381470000	193.3225000	yes	no
## 1082	yes	0 24.00000		0.0525547500	121.6333000	no	no
## 1083	yes	0 63.75000	6.0000	0.00183333330	8.3333330	no	no
## 1084	yes	0 25.83333	3.5000	0.0544920000	158.6017000	no	no
## 1085	no	4 42.41667	1.8000	0.0006666667	0.0000000	no	no
11 11 11 11 11				0.0549607700	178.4558000	yes	no
	yes	0 33.00000	3.5000				
## 1086	yes ves	0 35.00000				_	no
## 1086 ## 1087	yes	0 20.66667	2.0000	0.1002240000	167.0400000	no	no
## 1086 ## 1087 ## 1088	yes yes	0 20.66667 2 41.83333	2.0000 7.1195	0.1002240000 0.0959976100	167.0400000 569.5458000	no yes	no
## 1086 ## 1087	yes	0 20.66667	2.0000 7.1195	0.1002240000	167.0400000	no	

##	1090	yes	0	3	32.08333	1.600	0	0.2635850000	351.3633000	no	no
##	1091	yes	0	3	34.08333	4.850	0	0.0489954700	198.0233000	yes	no
##	1092	yes	0	3	37.16667	2.825	0	0.0653458400	153.7517000	yes	no
##	1093	no	1	2	27.08333	2.700	0	0.0004444444	0.0000000	no	no
##	1094	no	0	5	56.00000	1.450	0	0.0008275862	0.0000000	yes	no
##	1095	yes	0	2	26.75000	1.800	0	0.0066111110	9.1666670	yes	no
##	1096	no	0	3	33.25000	3.700	0	0.0003243243	0.0000000	yes	no
##	1097	yes	0	1	19.16667	1.900	0	0.2829621000	448.0233000	no	no
##	1098	yes	0	3	35.91667	2.620	0	0.2154031000	470.2967000	yes	no
##	1099	yes	0		25.16667			0.1280760000	400.0708000	yes	no
##	1100	yes	0		15.75000			0.0398702200	149.0967000	yes	no
##	1101	no	4		38.50000	3.700		0.0003243243	0.0000000	no	no
##	1102	yes	1		12.00000			0.1039330000	332.2392000	yes	no
##	1103	no	0		25.83333			0.0007547170	0.0000000	no	no
##	1103	no			25.91667			0.0007347170	0.0000000		
##	1104		0		31.08333			0.1696612000	721.0600000	no	no
##	1105	yes	3		10.50000			0.0002990431	0.0000000	yes	no
		no								no	no
##	1107	yes	0		57.16666			0.0021480350	7.0833330	no	no
##	1108	yes	0		33.08333			0.0570531400	166.2383000	no	no
##	1109	yes	0		15.75000			0.0015250000	5.5208330	yes	no
##	1110	yes	1		28.16667			0.0032000000	5.8333330	no	no
##	1111	yes	0		30.41667			0.0634413400	78.8850000	no	no
##	1112	yes	1		17.00000			0.0065842550	20.2500000	yes	no
##	1113	yes	1		12.75000			0.0380658300	113.9475000	yes	no
##	1114	yes	0	4	14.50000	2.950	0	0.2008407000	493.7333000	no	no
##	1115	yes	0	3	37.66667	2.385	0	0.1676499000	332.7042000	yes	yes
##	1116	yes	0	2	28.00000	2.160	0	0.0236666700	42.5166700	no	no
##	1117	yes	0	3	31.75000	2.007	0	0.0904529200	151.0325000	no	no
##	1118	yes	0	2	22.91667	1.560	0	0.0985173100	128.0725000	yes	no
##	1119	no	4	5	57.75000	2.000	0	0.0006000000	0.0000000	yes	yes
##	1120	yes	0	2	23.00000	2.900	0	0.0004137931	0.0000000	no	no
##	1121	yes	0	2	24.16667	3.700	0	0.0711151400	219.2717000	yes	no
##	1122	yes	0	3	37.16667	3.840	0	0.0118375000	37.7133300	no	no
##	1123	no	1	6	53.41667	2.137	5	0.0005614035	0.0000000	yes	no
##	1124	no	0	2	23.00000	2.400	0	0.0005000000	0.0000000	no	no
##	1125	yes	0	2	24.33333	2.400	0	0.1813192000	362.6383000	no	no
##	1126	yes	0	4	11.08333	2.000	0	0.0055000000	8.3333330	yes	no
##	1127	no	0	2	28.16667	1.548	0	0.0007751938	0.0000000	no	no
##	1128	no	1	_	52.33333			0.0006000000	0.0000000	yes	no
##	1129	yes	0	2	28.00000	3.100	0	0.2248926000	580.9725000	yes	no
	1130	yes	0		28.75000			0.0123800000	25.2916700	yes	no
##	1131	yes			39.08333			0.0495243100	210.2283000	yes	no
##	1132	yes			32.25000			0.0730520000	121.3367000	yes	no
##	1133	yes			33.25000			0.0259911100	77.8066600	no	no
##	1134	yes			25.00000			0.0003531073	0.0000000	yes	no
##	1135	yes	0		12.41667			0.0250161900	87.3066600	yes	no
##	1136	_	3		35.25000			0.0007058823	0.0000000	_	
##	1137	no	0		33.08333			0.0007038823	0.0000000	yes	no
		no						0.1951083000		no	no
##	1138	yes			33.83333				471.3450000	yes	no
##	1139	yes	0		18.16667			0.0122123500	16.6341700	yes	no
##	1140	no	0		26.75000			0.0002448980	0.0000000	no	no
##	1141	yes	0		10.08333			0.3980818000	737.0808000	yes	no
##	1142	yes			32.41667			0.1070066000	544.5208000	yes	no
##	1143	no			20.91667			0.0004571429	0.0000000	no	yes
##	1144	no			21.50000			0.0007692308	0.0000000	yes	no
##	1145	yes	0		27.83333			0.0728318200	160.8750000	yes	no
##	1146	yes	0		13.91667			0.0466242900	108.6233000	yes	no
##	1147	yes			24.25000			0.3755244000	500.6158000	yes	no
##	1148	yes			29.08333			0.1619782000	674.9092000	yes	no
##	1149	yes			27.75000			0.2145995000	364.8192000	no	no
##	1150	yes	0		17.58333			0.0514678600	216.1650000	no	no
##	1151	no	0		19.83333			0.0006250000	0.0000000	no	no
##	1152	no	0	4	12.00000	3.400	0	0.0003529412	0.0000000	yes	no
##	1153	yes	0	4	12.75000	3.200	0	0.1080344000	287.7583000	yes	no
##	1154	yes	0	4	14.58333	3.100	0	0.1251213000	323.0633000	yes	no
##	1155	yes	0	3	35.83333	1.882	9	0.1364475000	214.0975000	no	no
##	1156	yes	0	2	21.83333	2.400	0	0.0819195800	163.8392000	no	no
##	1157	yes	0	2	25.91667	3.000	0	0.0618960000	154.7400000	yes	no
##	1158	no	0	4	10.91667	1.840	0	0.0006521739	0.0000000	no	yes
##	1159	yes	0	3	35.83333	2.500	0	0.0791488000	164.8100000	yes	no
##	1160	yes	0	3	31.00000	5.112	0	0.0297464800	126.3867000	yes	no
##	1161	yes	0		51.66667	2.500	0	0.0193976000	39.9116700	yes	no
##	1169	1700	Λ	3	81 00000	5 ////	Λ	0 0713901900	301 0100000	1700	no

## TTO5 A62							
	0 24.00000	J.4UUU	0.0113001000	JZ1.Z1UUUUU	yes	110	
## 1163 no	2 30.58333	2.5000	0.0004800000	0.0000000	no	no	
## 1164 yes	0 33.33333	2 1000	0.1308376000	228.9658000	no	no	
1							
## 1165 yes	1 32.75000	6.0000	0.0898078300	449.0392000	no	no	
## 1166 yes	0 26.08333	1.5600	0.0612378200	79.6091700	no	no	
## 1167 yes	0 31.91667	4.0700	0.0688574900	233.0417000	no	no	
1	1 20.58333		0.1183070000	266.1908000			
					no	no	
## 1169 yes	0 23.41667	2.0400	0.1200515000	204.0875000	yes	no	
## 1170 yes	0 60.25000	2.8000	0.0437232100	101.8542000	yes	no	
## 1171 yes	0 24.83333	6.2000	0.1706156000	881.2642000	no	no	
1	0 30.16667		0.4874438000	889.5850000			
1					no	no	
## 1173 yes	0 29.33333	3.2000	0.0536728100	142.8775000	no	no	
## 1174 yes	0 48.16667	2.3000	0.2265000000	434.1250000	yes	no	
## 1175 yes	0 25.25000	1.7600	0.1375511000	201.6583000	no	no	
			0.0006666667	0.0000000			
	0 69.75000				yes	no	
## 1177 yes	0 53.25000	3.9600	0.0024242420	7.0833330	yes	no	
## 1178 yes	0 54.08333	2.5000	0.0091220000	18.2541700	yes	no	
## 1179 yes	0 32.00000	2,2800	0.0673596500	127.9833000	yes	no	
1			0.0775176000	161.1617000	_		
## 1180 yes	0 33.75000				yes	no	
## 1181 yes	0 23.16667	2.6000	0.8245508000	1786.2770000	no	no	
## 1182 yes	0 24.75000	2.2000	0.1550486000	284.2558000	yes	no	
## 1183 yes	4 40.41667	2.4480	0.2090833000	426.4467000	yes	no	
	2 48.25000		0.0001764706	0.0000000	_		
					yes	yes	
## 1185 no	0 35.83333	4.5000	0.0002666667	0.0000000	yes	no	
## 1186 yes	0 49.66667	4.9600	0.1054817000	435.9908000	yes	no	
## 1187 yes	0 34.66667	5.0000	0.0140794000	58.0808300	yes	no	
					_		
## 1188 yes	0 34.91667		0.0590447600	103.3283000	no	no	
## 1189 yes			0.2309477000		yes	no	
## 1190 no	0 19.50000	1.5600	0.0007692308	0.0000000	yes	no	
## 1191 no	9 30.33333	2.3000	0.0005217391	0.0000000	no	yes	
## 1192 no	0 40.00000	4 9875	0.0002406015	0.0000000	yes	no	
					_		
## 1193 no	6 35.25000	5.6335	0.0002130114	0.0000000	yes	no	
## 1194 no	0 23.75000	1.6720	0.0007177034	0.0000000	no	no	
## 1196 yes	0 24.83333	1.5100	0.2052980000	258.1667000	yes	no	
## 1197 yes	0 38.75000	2.8463	0.0070266660	15.8333300	yes	no	
	0 24.91667		0.0851943500	163.0392000	no	no	
## 1199 yes	0 25.33333		0.1900073000	475.0183000	no	no	
## 1200 yes	1 23.25000	2.2000	0.2345391000	429.9050000	yes	no	
## 1201 yes	0 49.83333	0.2100	0.2718571000	47.2416600	yes	no	
## 1202 yes	0 37.08333	2.8000	0.1699286000	396.5000000	no	no	
## 1203 no	0 20.16667		0.0006666667	0.0000000			
## 1200 HO	0 20.10007	1.0000			no	no	
"" 4004				0.0000000	no		
## 1204 no	2 24.58333	2.2000	0.0005454546			no	
## 1204 no ## 1205 yes	2 24.58333 1 28.50000		0.0005454546	73.1725000	no	no	
## 1205 yes		3.0000			no		
## 1205 yes ## 1206 yes	1 28.50000 0 45.58333	3.0000 2.4000	0.0294690000 0.0121666700	73.1725000 23.5833300	no yes	no no	
## 1205 yes ## 1206 yes ## 1207 no	1 28.50000 0 45.58333 0 20.58333	3.0000 2.4000 1.2000	0.0294690000 0.0121666700 0.0010000000	73.1725000 23.5833300 0.0000000	no yes no	no no yes	
## 1205 yes ## 1206 yes ## 1207 no ## 1208 yes	1 28.50000 0 45.58333 0 20.58333 0 54.25000	3.0000 2.4000 1.2000 6.8000	0.0294690000 0.0121666700 0.0010000000 0.1005738000	73.1725000 23.5833300 0.0000000 569.9183000	no yes	no no	
## 1205 yes ## 1206 yes ## 1207 no	1 28.50000 0 45.58333 0 20.58333	3.0000 2.4000 1.2000 6.8000	0.0294690000 0.0121666700 0.0010000000	73.1725000 23.5833300 0.0000000	no yes no	no no yes	
## 1205 yes ## 1206 yes ## 1207 no ## 1208 yes	1 28.50000 0 45.58333 0 20.58333 0 54.25000	3.0000 2.4000 1.2000 6.8000 1.5000	0.0294690000 0.0121666700 0.0010000000 0.1005738000	73.1725000 23.5833300 0.0000000 569.9183000	no yes no no	no no yes no	
## 1205 yes ## 1206 yes ## 1207 no ## 1208 yes ## 1209 yes ## 1210 yes	1 28.50000 0 45.58333 0 20.58333 0 54.25000 0 24.58333 0 31.91667	3.0000 2.4000 1.2000 6.8000 1.5000 2.7000	0.0294690000 0.0121666700 0.0010000000 0.1005738000 0.0197226700	73.1725000 23.5833300 0.0000000 569.9183000 24.0700000 258.8783000	no yes no no no no	no no yes no no	
## 1205 yes ## 1206 yes ## 1207 no ## 1208 yes ## 1209 yes ## 1210 yes ## 1211 yes	1 28.50000 0 45.58333 0 20.58333 0 54.25000 0 24.58333 0 31.91667 1 43.75000	3.0000 2.4000 1.2000 6.8000 1.5000 2.7000 3.5000	0.0294690000 0.0121666700 0.0010000000 0.1005738000 0.0197226700 0.1151311000 0.1329034000	73.1725000 23.5833300 0.0000000 569.9183000 24.0700000 258.8783000 387.2183000	no yes no no no yes	no no yes no no no	
## 1205 yes ## 1206 yes ## 1207 no ## 1208 yes ## 1209 yes ## 1210 yes ## 1211 yes ## 1212 no	1 28.50000 0 45.58333 0 20.58333 0 54.25000 0 24.58333 0 31.91667 1 43.75000 0 31.91667	3.0000 2.4000 1.2000 6.8000 1.5000 2.7000 3.5000 2.1000	0.0294690000 0.0121666700 0.0010000000 0.1005738000 0.0197226700 0.1151311000 0.1329034000 0.0005714286	73.1725000 23.5833300 0.0000000 569.9183000 24.0700000 258.8783000 387.2183000 0.00000000	no yes no no no yes no	no no yes no no no no	
## 1205 yes ## 1206 yes ## 1207 no ## 1208 yes ## 1209 yes ## 1210 yes ## 1211 yes ## 1212 no ## 1213 yes	1 28.50000 0 45.58333 0 20.58333 0 54.25000 0 24.58333 0 31.91667 1 43.75000 0 31.91667 0 22.83333	3.0000 2.4000 1.2000 6.8000 2.7000 3.5000 2.1000 2.5000	0.0294690000 0.0121666700 0.0010000000 0.1005738000 0.0197226700 0.1151311000 0.1329034000 0.0005714286 0.4028644000	73.1725000 23.5833300 0.00000000 569.9183000 24.0700000 258.8783000 387.2183000 0.00000000 839.3008000	no yes no no no yes	no no yes no no no	
## 1205 yes ## 1206 yes ## 1207 no ## 1208 yes ## 1209 yes ## 1210 yes ## 1211 yes ## 1212 no	1 28.50000 0 45.58333 0 20.58333 0 54.25000 0 24.58333 0 31.91667 1 43.75000 0 31.91667	3.0000 2.4000 1.2000 6.8000 2.7000 3.5000 2.1000 2.5000	0.0294690000 0.0121666700 0.0010000000 0.1005738000 0.0197226700 0.1151311000 0.1329034000 0.0005714286	73.1725000 23.5833300 0.0000000 569.9183000 24.0700000 258.8783000 387.2183000 0.00000000	no yes no no no yes no	no no yes no no no no	
## 1205 yes ## 1206 yes ## 1207 no ## 1208 yes ## 1209 yes ## 1210 yes ## 1211 yes ## 1212 no ## 1213 yes	1 28.50000 0 45.58333 0 20.58333 0 54.25000 0 24.58333 0 31.91667 1 43.75000 0 31.91667 0 22.83333	3.0000 2.4000 1.2000 6.8000 1.5000 2.7000 3.5000 2.1000 2.5000 5.4700	0.0294690000 0.0121666700 0.0010000000 0.1005738000 0.0197226700 0.1151311000 0.1329034000 0.0005714286 0.4028644000	73.1725000 23.5833300 0.00000000 569.9183000 24.0700000 258.8783000 387.2183000 0.00000000 839.3008000	no yes no no no yes no no	no no yes no no no no no	
## 1205 yes ## 1206 yes ## 1207 no ## 1208 yes ## 1209 yes ## 1210 yes ## 1211 yes ## 1212 no ## 1213 yes ## 1214 yes ## 1215 no	1 28.50000 0 45.58333 0 20.58333 0 54.25000 0 24.58333 0 31.91667 1 43.75000 0 31.91667 0 22.83333 0 28.08333 0 27.58333	3.0000 2.4000 1.2000 6.8000 1.5000 2.7000 3.5000 2.1000 2.5000 5.4700 2.3500	0.0294690000 0.0121666700 0.0010000000 0.1005738000 0.0197226700 0.1151311000 0.1329034000 0.0005714286 0.4028644000 0.0291923200	73.1725000 23.5833300 0.00000000 569.9183000 24.0700000 258.8783000 387.2183000 0.00000000 839.3008000 133.0683000	no yes no no no yes no no yes no no	no no yes no	
## 1205 yes ## 1206 yes ## 1207 no ## 1208 yes ## 1209 yes ## 1210 yes ## 1211 yes ## 1212 no ## 1213 yes ## 1214 yes ## 1215 no ## 1216 yes	1 28.50000 0 45.58333 0 20.58333 0 54.25000 0 24.58333 0 31.91667 1 43.75000 0 31.91667 0 22.83333 0 28.08333 0 27.58333 0 22.08333	3.0000 2.4000 1.2000 6.8000 1.5000 2.7000 3.5000 2.1000 2.5000 5.4700 2.3500 1.6500	0.0294690000 0.0121666700 0.0010000000 0.1005738000 0.0197226700 0.1151311000 0.1329034000 0.0005714286 0.4028644000 0.0291923200 0.0005106383 0.0498515100	73.1725000 23.5833300 0.00000000 569.9183000 24.0700000 258.8783000 0.0000000 839.3008000 133.0683000 0.00000000 68.5458300	no yes no no no no yes no no yes no no no	no no yes no	
## 1205 yes ## 1206 yes ## 1207 no ## 1208 yes ## 1209 yes ## 1210 yes ## 1211 yes ## 1212 no ## 1213 yes ## 1214 yes ## 1215 no ## 1216 yes ## 1217 yes	1 28.50000 0 45.58333 0 20.58333 0 54.25000 0 24.58333 0 31.91667 1 43.75000 0 31.91667 0 22.83333 0 28.08333 0 27.58333 0 22.08333 0 34.16667	3.0000 2.4000 1.2000 6.8000 1.5000 2.7000 3.5000 2.1000 2.5000 5.4700 2.3500 1.6500 9.2000	0.0294690000 0.0121666700 0.0010000000 0.1005738000 0.0197226700 0.1151311000 0.1329034000 0.0005714286 0.4028644000 0.0291923200 0.0005106383 0.0498515100 0.0866244600	73.1725000 23.5833300 0.00000000 569.9183000 24.0700000 258.8783000 0.0000000 839.3008000 133.0683000 0.00000000 68.5458300 664.1208000	no yes no no no no yes no no yes no no yes no yes	no no yes no	
## 1205 yes ## 1206 yes ## 1207 no ## 1208 yes ## 1209 yes ## 1210 yes ## 1211 yes ## 1212 no ## 1213 yes ## 1214 yes ## 1215 no ## 1216 yes ## 1217 yes ## 1217 yes ## 1218 yes	1 28.50000 0 45.58333 0 20.58333 0 54.25000 0 24.58333 0 31.91667 1 43.75000 0 31.91667 0 22.83333 0 28.08333 0 27.58333 0 27.58333 0 34.16667 1 54.66667	3.0000 2.4000 1.2000 6.8000 1.5000 2.7000 3.5000 2.1000 2.5000 5.4700 2.3500 1.6500 9.2000 7.2900	0.0294690000 0.0121666700 0.0010000000 0.1005738000 0.0197226700 0.1151311000 0.1329034000 0.0005714286 0.4028644000 0.0291923200 0.0005106383 0.0498515100 0.0866244600 0.1065361000	73.1725000 23.5833300 0.00000000 569.9183000 24.0700000 258.8783000 0.0000000 839.3008000 133.0683000 0.00000000 68.5458300 664.1208000 647.2067000	no yes no no no no yes no no yes no no no	no no yes no	
## 1205 yes ## 1206 yes ## 1207 no ## 1208 yes ## 1209 yes ## 1210 yes ## 1211 yes ## 1212 no ## 1213 yes ## 1214 yes ## 1215 no ## 1216 yes ## 1217 yes	1 28.50000 0 45.58333 0 20.58333 0 54.25000 0 24.58333 0 31.91667 1 43.75000 0 31.91667 0 22.83333 0 28.08333 0 27.58333 0 22.08333 0 34.16667	3.0000 2.4000 1.2000 6.8000 1.5000 2.7000 3.5000 2.1000 2.5000 5.4700 2.3500 1.6500 9.2000 7.2900	0.0294690000 0.0121666700 0.0010000000 0.1005738000 0.0197226700 0.1151311000 0.1329034000 0.0005714286 0.4028644000 0.0291923200 0.0005106383 0.0498515100 0.0866244600	73.1725000 23.5833300 0.00000000 569.9183000 24.0700000 258.8783000 0.0000000 839.3008000 133.0683000 0.00000000 68.5458300 664.1208000	no yes no no no no yes no no yes no no yes no yes	no no yes no	
## 1205 yes ## 1206 yes ## 1207 no ## 1208 yes ## 1209 yes ## 1210 yes ## 1211 yes ## 1212 no ## 1213 yes ## 1214 yes ## 1215 no ## 1216 yes ## 1217 yes ## 1217 yes ## 1218 yes	1 28.50000 0 45.58333 0 20.58333 0 54.25000 0 24.58333 0 31.91667 1 43.75000 0 31.91667 0 22.83333 0 28.08333 0 27.58333 0 27.58333 0 34.16667 1 54.66667	3.0000 2.4000 1.2000 6.8000 1.5000 2.7000 3.5000 2.1000 2.5000 5.4700 2.3500 1.6500 9.2000 7.2900 2.7200	0.0294690000 0.0121666700 0.0010000000 0.1005738000 0.0197226700 0.1151311000 0.1329034000 0.0005714286 0.4028644000 0.0291923200 0.0005106383 0.0498515100 0.0866244600 0.1065361000	73.1725000 23.5833300 0.00000000 569.9183000 24.0700000 258.8783000 0.0000000 839.3008000 133.0683000 0.00000000 68.5458300 664.1208000 647.2067000	no yes no no no no yes no no yes no no yes yes	no no yes no	
## 1205 yes ## 1206 yes ## 1207 no ## 1208 yes ## 1209 yes ## 1210 yes ## 1211 yes ## 1212 no ## 1213 yes ## 1214 yes ## 1215 no ## 1216 yes ## 1217 yes ## 1217 yes ## 1218 yes ## 1219 yes ## 1220 yes	1 28.50000 0 45.58333 0 20.58333 0 54.25000 0 24.58333 0 31.91667 1 43.75000 0 31.91667 0 22.83333 0 28.08333 0 27.58333 0 27.58333 0 22.08333 0 34.16667 1 54.66667 0 32.91667 0 40.00000	3.0000 2.4000 1.2000 6.8000 1.5000 2.7000 3.5000 2.1000 2.5000 5.4700 2.3500 1.6500 9.2000 7.2900 2.7200 3.6240	0.0294690000 0.0121666700 0.00100000000 0.1005738000 0.0197226700 0.1151311000 0.1329034000 0.0005714286 0.4028644000 0.0291923200 0.0005106383 0.0498515100 0.0866244600 0.1065361000 0.1776717000	73.1725000 23.5833300 0.00000000 569.9183000 24.0700000 258.8783000 0.0000000 839.3008000 133.0683000 0.0000000 68.5458300 664.1208000 647.2067000 402.7225000	no yes no no no no yes no no yes no no yes no yes yes no yes	no no yes no	
## 1205 yes ## 1206 yes ## 1207 no ## 1208 yes ## 1209 yes ## 1210 yes ## 1211 yes ## 1212 no ## 1213 yes ## 1214 yes ## 1215 no ## 1216 yes ## 1217 yes ## 1218 yes ## 1219 yes ## 1220 yes ## 1221 yes	1 28.50000 0 45.58333 0 20.58333 0 54.25000 0 24.58333 0 31.91667 1 43.75000 0 31.91667 0 22.83333 0 27.58333 0 27.58333 0 22.08333 0 34.16667 1 54.66667 0 32.91667 0 40.00000 0 26.00000	3.0000 2.4000 1.2000 6.8000 1.5000 2.7000 3.5000 2.1000 2.5000 5.4700 2.3500 1.6500 9.2000 7.2900 2.7200 3.6240 5.3000	0.0294690000 0.0121666700 0.00100000000 0.1005738000 0.0197226700 0.1151311000 0.1329034000 0.0005714286 0.4028644000 0.0291923200 0.0005106383 0.0498515100 0.0866244600 0.1065361000 0.1776717000 0.0157003300 0.0548252800	73.1725000 23.5833300 0.00000000 569.9183000 24.0700000 258.8783000 0.00000000 839.3008000 133.0683000 0.00000000 68.5458300 644.1208000 647.2067000 402.7225000 47.0816700	no yes no no no no yes no no yes no no yes no yes yes no yes yes	no no yes no	
## 1205 yes ## 1206 yes ## 1207 no ## 1208 yes ## 1209 yes ## 1210 yes ## 1211 yes ## 1212 no ## 1213 yes ## 1214 yes ## 1215 no ## 1216 yes ## 1217 yes ## 1218 yes ## 1219 yes ## 1220 yes ## 1221 yes ## 1222 yes	1 28.50000 0 45.58333 0 20.58333 0 54.25000 0 24.58333 0 31.91667 1 43.75000 0 31.91667 0 22.83333 0 27.58333 0 27.58333 0 22.08333 0 34.16667 1 54.66667 0 32.91667 0 40.00000 0 26.00000 0 55.25000	3.0000 2.4000 1.2000 6.8000 2.7000 3.5000 2.1000 2.5000 5.4700 2.3500 1.6500 9.2000 7.2900 2.7200 3.6240 5.3000 4.9000	0.0294690000 0.0121666700 0.00100000000 0.1005738000 0.1151311000 0.1329034000 0.005714286 0.4028644000 0.0291923200 0.0005106383 0.0498515100 0.0866244600 0.1065361000 0.1776717000 0.157023300 0.0548252800 0.0669771400	73.1725000 23.5833300 0.00000000 569.9183000 24.0700000 258.8783000 0.0000000 839.3008000 133.0683000 0.0000000 68.5458300 644.1208000 647.2067000 402.7225000 47.0816700 242.1450000 273.4900000	no yes no no no yes no no yes no no yes no yes yes yes yes yes	no no yes no	
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## 1205 yes ## 1206 yes ## 1207 no ## 1208 yes ## 1209 yes ## 1210 yes ## 1211 yes ## 1212 no ## 1213 yes ## 1215 no ## 1216 yes ## 1217 yes ## 1217 yes ## 1218 yes ## 1220 yes ## 1220 yes ## 1221 yes ## 1222 yes ## 1223 yes ## 1224 yes ## 1225 yes ## 1226 no ## 1227 yes ## 1228 yes ## 1229 yes ## 1229 yes ## 1220 yes ## 1221 yes ## 1222 yes ## 1223 yes ## 1224 yes ## 1225 yes ## 1226 no ## 1227 yes ## 1228 yes ## 1230 yes ## 1231 yes ## 1231 yes ## 1232 yes ## 1233 yes	1 28.50000 0 45.58333 0 20.58333 0 54.25000 0 24.58333 0 31.91667 1 43.75000 0 31.91667 0 22.83333 0 27.58333 0 27.58333 0 22.08333 0 34.16667 1 54.66667 0 32.91667 0 40.00000 0 26.00000 0 55.25000 0 32.25000 0 38.91667 0 28.41667 0 39.58333 1 55.58333 0 42.00000 0 21.16667 0 33.08333 0 37.75000 0 28.41667 0 31.08333	3.0000 2.4000 1.2000 6.8000 1.5000 2.7000 3.5000 2.1000 2.5000 5.4700 2.3500 1.6500 9.2000 7.2900 3.6240 5.3000 4.9000 3.6208 2.1360 2.5000 0.4900 4.3000 6.3000 2.4000 2.8000 5.0000 2.8000	0.0294690000 0.0121666700 0.0010000000 0.1005738000 0.0197226700 0.1151311000 0.1329034000 0.005714286 0.4028644000 0.0291923200 0.0005106383 0.0498515100 0.0866244600 0.1065361000 0.1776717000 0.0157003300 0.0548252800 0.0669771400 0.0498370500 0.0596633900 0.0596633900 0.0596633900 0.01933780000 0.0596633900 0.01933780000 0.0596639000 0.0157003000 0.0596639000 0.0596639000 0.0596639000 0.0596639000 0.01421429000 0.0452946000 0.0142142900 0.0868442800	73.1725000 23.5833300 0.00000000 569.9183000 24.0700000 258.8783000 0.0000000 839.3008000 133.0683000 0.0000000 68.5458300 664.1208000 647.2067000 402.7225000 47.0816700 242.1450000 273.4900000 150.2917000 106.2008000 402.7875000 0.00000000 125.4817000 213.0000000 201.5825000 70.2850000 188.7275000 32.6666700 202.4700000	no yes no no yes no yes	no no yes no	
## 1205 yes ## 1206 yes ## 1207 no ## 1208 yes ## 1209 yes ## 1210 yes ## 1211 yes ## 1211 yes ## 1212 no ## 1214 yes ## 1215 no ## 1216 yes ## 1217 yes ## 1217 yes ## 1221 yes ## 1220 yes ## 1220 yes ## 1221 yes ## 1222 yes ## 1223 yes ## 1224 yes ## 1225 yes ## 1226 no ## 1227 yes ## 1228 yes ## 1229 yes ## 1229 yes ## 1220 yes ## 1221 yes ## 1222 yes ## 1223 yes ## 1224 yes ## 1225 yes ## 1226 no ## 1227 yes ## 1228 yes ## 1229 yes ## 1230 yes ## 1231 yes ## 1231 yes ## 1232 yes	1 28.50000 0 45.58333 0 20.58333 0 54.25000 0 24.58333 0 31.91667 1 43.75000 0 31.91667 0 22.83333 0 27.58333 0 27.58333 0 27.58333 0 34.16667 1 54.66667 0 32.91667 0 40.00000 0 55.25000 0 32.25000 0 38.91667 0 28.41667 0 39.58333 1 55.58333 0 42.00000 0 21.16667 0 33.08333 0 37.75000 0 28.41667	3.0000 2.4000 1.2000 6.8000 1.5000 2.7000 3.5000 2.1000 2.5000 5.4700 2.3500 1.6500 9.2000 7.2900 3.6240 5.3000 4.9000 3.6208 2.1360 2.5000 0.4900 4.3000 6.3000 2.4000 2.8000 5.0000 2.8000	0.0294690000 0.0121666700 0.00100000000 0.1005738000 0.1151311000 0.1329034000 0.005714286 0.4028644000 0.0291923200 0.0005106383 0.0498515100 0.0866244600 0.1065361000 0.1776717000 0.0157003300 0.0548252800 0.0669771400 0.0498370500 0.0596633900 0.0596633900 0.0596633900 0.01933780000 0.0596633900 0.01933780000 0.0596633900 0.01933780000 0.0350181400 0.0406507900 0.0406507900 0.0301578600 0.0452946000 0.0142142900	73.1725000 23.5833300 0.00000000 569.9183000 24.0700000 258.8783000 0.0000000 839.3008000 133.0683000 0.0000000 68.5458300 664.1208000 647.2067000 402.7225000 47.0816700 242.1450000 273.4900000 150.2917000 106.2008000 402.7875000 0.00000000 125.4817000 213.0000000 201.5825000 70.2850000 188.7275000 32.66666700	no yes no no yes no yes	no no yes no	
## 1205 yes ## 1206 yes ## 1207 no ## 1208 yes ## 1209 yes ## 1210 yes ## 1211 yes ## 1211 yes ## 1212 no ## 1214 yes ## 1215 no ## 1216 yes ## 1217 yes ## 1217 yes ## 1221 yes ## 1220 yes ## 1220 yes ## 1221 yes ## 1221 yes ## 1222 yes ## 1223 yes ## 1224 yes ## 1225 yes ## 1226 no ## 1227 yes ## 1228 yes ## 1229 yes ## 1229 yes ## 1230 yes ## 1231 yes ## 1231 yes ## 1231 yes ## 1232 yes ## 1233 yes	1 28.50000 0 45.58333 0 20.58333 0 54.25000 0 24.58333 0 31.91667 1 43.75000 0 31.91667 0 22.83333 0 27.58333 0 27.58333 0 22.08333 0 34.16667 1 54.66667 0 32.91667 0 40.00000 0 26.00000 0 55.25000 0 32.25000 0 38.91667 0 28.41667 0 39.58333 1 55.58333 0 42.00000 0 21.16667 0 33.08333 0 37.75000 0 28.41667 0 31.08333	3.0000 2.4000 1.2000 6.8000 1.5000 2.7000 3.5000 2.1000 2.5000 5.4700 2.3500 1.6500 9.2000 7.2900 3.6240 5.3000 4.9000 3.6208 2.1360 2.5000 0.4900 4.3000 6.3000 2.4000 2.8000 2.8000 2.8000 2.8000 2.8000 2.6500	0.0294690000 0.0121666700 0.0010000000 0.1005738000 0.0197226700 0.1151311000 0.1329034000 0.005714286 0.4028644000 0.0291923200 0.0005106383 0.0498515100 0.0866244600 0.1065361000 0.1776717000 0.0157003300 0.0548252800 0.0669771400 0.0498370500 0.0596633900 0.0596633900 0.0596633900 0.01933780000 0.0596633900 0.01933780000 0.0596639000 0.0157003000 0.0596639000 0.0596639000 0.0596639000 0.0596639000 0.01421429000 0.0452946000 0.0142142900 0.0868442800	73.1725000 23.5833300 0.00000000 569.9183000 24.0700000 258.8783000 0.0000000 839.3008000 133.0683000 0.0000000 68.5458300 664.1208000 647.2067000 402.7225000 47.0816700 242.1450000 273.4900000 150.2917000 106.2008000 402.7875000 0.00000000 125.4817000 213.0000000 201.5825000 70.2850000 188.7275000 32.6666700 202.4700000	no yes no no yes no yes	no no yes no	

## 1236	no	4 46.91667	2.1000	0.0005714286	0.0000000	no	no
## 1237	no	0 36.16667	2.4080	0.0004983389	0.0000000	no	no
## 1238	no	1 52.75000	3.1000	0.0003870968	0.0000000	yes	no
## 1239	yes	0 34.16667		0.0388677300	84.7316700	no	no
	_						
## 1240	no			0.0001090909	0.0000000	yes	yes
## 1241	yes	0 22.33333		0.0534255600	80.0550000	no	no
## 1242	yes	0 30.00000	2.5000	0.0210496000	43.4366700	yes	no
## 1243	yes	0 25.16667	1.8000	0.0953005600	142.9508000	no	no
## 1244	no	0 21.08333	2.7268	0.0004400763	0.0000000	no	no
## 1245	no	0 22.91667	2.0500	0.0005853659	0.0000000	no	no
## 1246		0 40.66667		0.0284281200	119.3017000		
	yes					yes	no
## 1247	no	2 33.83333		0.0003157895	0.0000000	yes	no
## 1248	no	1 35.16667	4.2880	0.0002798507	0.0000000	yes	no
## 1249	yes	0 28.83333	3.6000	0.0433977800	130.0267000	yes	yes
## 1250	yes	0 30.75000	4.3000	0.1346951000	482.6575000	yes	no
## 1251	no	0 41.33333	4.4400	0.0002702703	0.0000000	yes	no
## 1252	yes	0 38.50000	2.6000	0.3961604000	858.3475000	no	no
## 1253	no	1 33.75000		0.0002926829	0.0000000		
						yes	no
## 1254	no	0 29.08333		0.0004195804	0.0000000	no	no
## 1255	yes	0 27.08333	2.4000	0.0167983300	33.0133300	no	no
## 1256	yes	0 23.25000	1.8000	0.0309816700	46.0558400	no	no
## 1257	yes	0 33.83333	1.8000	0.1132511000	169.8767000	no	no
## 1258	yes	0 38.16667	5.1000	0.0213090200	90.0633300	no	no
## 1259	yes	0 35.58333		0.1090841000	323.5875000	no	no
## 1259	_	0 30.41667		0.1505325000	520.3417000		
	yes					no	no
## 1261	no	0 31.58333		0.0005929733	0.0000000	no	no
## 1262	yes	0 23.00000		0.1114750000	167.2125000	no	no
## 1263	yes	1 25.25000	2.9000	0.0868665500	209.8442000	no	no
## 1264	no	6 35.58333	4.0000	0.0003000000	0.0000000	no	no
## 1265	yes	0 28.66667	2.9500	0.0936125400	229.7975000	no	no
## 1266	no	0 37.00000		0.0003750000	0.0000000	no	no
## 1267		0 41.08333		0.1431333000	536.2500000		
	yes					yes	no
## 1268	no	6 37.41667		0.0001714286	0.0000000	yes	no
## 1269	no	0 19.41667		0.0005454546	0.0000000	no	no
## 1270	yes	0 22.33333	2.8000	0.0822867900	191.8358000	no	no
## 1271	yes	0 29.08333	2.2000	0.0005454546	0.0000000	no	no
## 1272	yes	0 26.75000	5.7700	0.0754774700	362.7542000	yes	no
## 1273	yes	0 43.08333		0.0805263800	163.1800000	no	no
## 1274	_	0 37.33333		0.0302322900	176.2717000		
	yes					yes	no
## 1275	yes	0 26.75000		0.0342790700	61.3333300	no	no
## 1276	yes	0 42.16667	5.2000	0.0134286500	57.4408300	yes	no
## 1277	yes	0 28.16667	4.7000	0.2421564000	948.3625000	yes	no
## 1278	yes	0 26.08333	2.5000	0.0637624000	132.5883000	yes	no
## 1279	yes	0 48.25000	5.0000	0.0219424000	91.1766700	no	no
## 1280	yes	0 27.83333		0.0502322900	146.4275000	yes	no
## 1281	_	0 26.33333		0.0549314300	111.8183000		
	yes					no	no
## 1282	no	0 21.08333		0.0001200012	0.0000000	no	no
## 1283	yes	0 30.58333		0.1486019000	396.2717000	yes	no
## 1284	yes	0 27.83333	3.5400	0.0068666660	19.5900000	no	no
## 1285	yes	0 49.16667	3.1144	0.0084953760	21.4650000	yes	no
## 1286	no	2 35.00000	2.2500	0.0005333333	0.0000000	no	no
## 1287	yes	1 48.66667		0.1770172000	885.0858000	yes	no
## 1288	no	11 24.58333		0.0007142857	0.0000000	no	
							no
## 1289	yes	0 29.58333		0.0152700000	29.9566700	no	no
## 1290	yes	0 41.41667		0.0102356300	26.8783300	no	no
## 1291	yes	0 40.91667	6.0000	0.0789643300	394.5717000	yes	no
## 1292	yes	0 22.00000	1.7500	0.6214691000	906.3092000	no	no
## 1293	no	0 36.00000	4.5000	0.0002666667	0.0000000	yes	no
## 1294	yes	0 39.58333		0.1922148000	400.4475000	no	no
## 1295	_	0 31.58333		0.1429055000			
	yes				303.6742000	no	no
## 1296	yes	0 33.08333		0.0527358900	143.0158000	no	no
## 1297	yes	1 22.83333		0.0488416700	146.4417000	no	no
## 1298	no	0 35.41667	2.7800	0.0004316547	0.0000000	no	no
## 1299	yes	0 58.08333	4.4000	0.0265956800	97.1841700	yes	yes
## 1300	yes	0 38.75000		0.0147803100	38.9975000	yes	no
## 1301	no	0 27.41667		0.0007500000	0.0000000	yes	no
11 11. TOOT						_	
## 1000	no	0 23.91667		0.0007334963	0.0000000	no	no
## 1302		0 30.08333	2 7000	0.0124814800	27.4166700	no	no
## 1303	yes						
	yes yes	0 34.08333		0.0616742900	179.7167000	yes	no
## 1303	_		3.5000		179.7167000 82.6591600	yes yes	no no
## 1303 ## 1304	yes	0 34.08333	3.5000 3.4224	0.0616742900		_	
## 1303 ## 1304 ## 1305 ## 1306	yes yes yes	0 34.08333 1 39.08333 0 38.41667	3.5000 3.4224 6.5000	0.0616742900 0.0290997500 0.0292173800	82.6591600 157.8442000	yes yes	no no
## 1303 ## 1304 ## 1305	yes yes	0 34.08333 1 39.08333	3.5000 3.4224 6.5000 2.0000	0.0616742900 0.0290997500	82.6591600	yes	no

		-					-		
	1309	yes			0.0212500000	44.0208300	no	no	
##	1310	yes			0.2548275000	424.6292000	yes	no	
##	1311	yes	0 30.58333	2.5120	0.0026273890	4.5833330	no	yes	
##	1312	no	0 39.33333	2.3004	0.0005216484	0.0000000	no	yes	
	1313	no			0.0003108808	0.0000000	no	no	
	1314	no			0.0005504587	0.0000000	no	yes	
	1315				0.0021462990	7.3333330	yes	no	
	1316	no			0.0003759399	0.0000000	no	no	
##	1317	yes	0 40.58333	4.6000	0.0265126100	101.2983000	yes	no	
##	1318	yes	0 32.83333	3.7000	0.0089989190	26.9966700	no	yes	
	1319	yes			0.1116186000	344.1575000	yes	no	
##		_	months majo			011.1070000	100	110	
##		dependents 3	54	1	12				
##		3	34	1	13				
##	3	4	58	1	5				
##	4	0	25	1	7				
##	5	2	64	1	5				
##		0	54	1	1				
##		2	7	1	5				
##		0	77	1	3				
##		0	97	1	6				
##	10	0	65	1	18				
##	11	1	24	1	20				
##	12	2	36	1	0				
	13	1	42	0	12				
	14	0	26	1	3				
	15	2	120	0	5				
	16	1		1	22				
	17	2	96	1	0				
##	18	2	60	1	8				
##	19	0	28	1	0				
##	20	0	28	1	10				
	21	2	115	1	1				
	22	2	7	0					
					2				
	23	0	12	1	0				
	24	2	18	1	22				
##	25	2	13	1	17				
##	26	2	38	1	7				
##	27	1	12	0	1				
	28	0	64	1	6				
	29	1	12	1	0				
	30	4	74	1	19				
	31	0	9	0	5				
##	32	0	14	1	6				
##	33	1	40	1	5				
##	34	1	12	1	10				
##	35	0	12	1	5				
	36	6	108	1	15				
	37	2	46	1	0				
	38	1	36	1	16				
	39	0	2	1	14				
##	40	4	28	1	13				
##	41	0	7	1	10				
	42	0	8	1	1				
	43	1	7	0	1				
	44	0	60		12				
				1					
	45	0	12	1	1				
	46	2	26	1	2				
##	47	0	156	1	4				
##	48	1	98	0	1				
	49	1	30	0	2				
	50	0	0	1	13				
	51	2		0					
			12		0				
	52	0	18	1	12				
	53	0	6	1	4				
##	54	2	48	1	8				
##	55	0	34	1	2				
	56	0	216	0	5				
	57	3	12	1	1				
	58	4	18	0	3				
	59	2	33	0	0				
	60	0	20	1	4				
##	۵1	Λ	Ω	\cap	Λ				

## 01	U	O	U	-1
## 62	3	36	1	5
## 63	1	12	1	16
## 64	0	3	1	0
## 65	2	16	1	15
## 66	0	18	0	0
## 67	2	182	1	16
## 68	0	78	1	2
## 69	0	25	1	0
## 70	0	4	1	0
## 71	2	53	1	16
## 72	0	9	1	5
## 73	2	144	0	2
## 74	2	13	1	14
## 75	0	144	1	10
## 76	1	5	0	4
## 77	0	18	1	11
## 78	0	7	1	0
## 80	2	6	1	18
## 81	2	25	1	0
## 82	1	78	1	19
	0		1	
		37		8
## 84	0	30	1	4
## 85	2	15	1	11
## 86	2	177	1	13
## 87	3	172	1	9
## 88	2	33	0	18
## 89	1	12	1	0
## 90	1	288	1	2
## 91	1	87	1	3
## 92	5	4	1	0
## 93	0	12	1	0
## 94	1	7	1	9
## 95	2	69	1	12
## 96	0	12	1	2
## 97	0	48	1	6
## 98	2	12	1	4
## 99	0	5	1	16
	2	161	1	7
## 101	0	72	1	29
## 102	3	36	1	15
## 103	0	36	1	3
## 104	0	1	0	9
## 105	0	53	1	0
## 106	0	16	1	0
## 107	1	51	0	6
## 108	0	18	1	0
## 109	3	120	1	17
## 110	1	12	1	18
## 111	0	12	1	17
## 112	1	36	1	5
## 113	0	1	1	29
## 114	2	126	1	9
## 115	0	36	0	5
## 116	0	51	1	4
## 117	3	42	1	3
## 118	0	12	1	4
## 119	2	18	0	2
## 120	0	108	1	4
## 121	2	27	1	5
## 122	0	32	1	3
## 123	0	120	1	11
## 124	0	52	1	3
## 125	0	51	1	2
## 126	4	30	1	6
## 127	0	38	1	16
## 128	0	8	1	11
## 129	1	14	0	1
## 130	3	120	0	0
## 131	3	52	0	19
## 132	0	108	0	1
## 133	1	13	1	4
## 134	2	8	0	11

## 135	0	18	0	2
## 136	3	7	1	1
## 137	0	114	0	2
## 138	0	6	1	8
## 139	0	180	1	16
## 140	0	41	0	14
## 141	2	16	1	6
## 142	0	67	1	4
## 143	0	12	1	4
## 144	0	62	0	3
## 145	0	60	0	2
## 146	3	30	1	9
## 147	1	12	1	7
## 148	1	8 4	1	10
## 149	0	36	1	13
## 150	3	30	1	27
## 151	1	264	1	15
## 152	1	36	1	5
## 153	2	27	1	4
## 154	0	37	1	7
## 155	1	164	0	1
## 156	0	120	0	3
## 157	2	55	1	7
## 158	0	18	1	0
## 159	0	13	1	0
## 160	1	24	1	9
## 161	0	5	1	0
## 162	2	3	1	6
## 163	0	30	1	2
## 164	0	57	1	3
## 165	0	50	1	6
## 166	1	11	1	2
## 167	0	48	1	9
## 168	0	30	1	19
## 169	0	14	1	5
## 170	0	14	1	0
## 171	1	12	0	5
## 172	0	13	0	7
## 173	1	60	1	0
## 174	0	12	1	4
## 175	1	48	1	5
## 176	0	27	1	6
## 177	1	14	1	7
## 178	0	18	1	6
## 179	3	48	0	3
## 180	1	12	1	2
## 181	1	24	1	18
## 182	0	48	1	8
## 183	2	84	0	26
## 184	2	7	1	0
## 185	0	57	1	3
## 186	2	42	1	9
## 187	1	11	1	0
## 188	0	18	0	2
## 189	2	96	1	2
## 190	3	10	1	10
	0	12	0	0
## 192	1	17	1	8
## 193	0	7	1	10
## 194	0	12	1	0
## 195	1	11	1	8
## 196	0	61	1	8
## 197	1	168	1	4
## 198	2	53	0	3
## 199	0	33	0	1
## 200	0	14	1	6
## 201	0	2	1	2
## 202	0	6	1	12
## 203	0		0	3
		128		
## 204	2	24	0	5
## 205	2	25	1	11
## 206	0	56	1	3
## 207	3	45	1	14

## 208					
## 209	## 208	2	2.0	Ω	13
## 210					
## 211					
## 212	## 210	0	26	0	1
## 213	## 211	0	4	1	12
## 213	## 212	2	30	0	22
## 214			156	Ω	
## 215					
## 216					
## 217			17		
## 218	## 216	0	6	1	17
## 219	## 217	1	252	0	0
## 219	## 218	0	7	1	21
## 220					
## 221					
## 222					
## 223					
## 224	## 222	0	30	1	1
## 225	## 223	2	23	1	9
## 225	## 224	0	50	1	16
## 226				Λ	
## 227					
## 228					
## 229					
## 230	## 228	0	35	1	11
## 231	## 229	4	43	1	14
## 231	## 230	0	300	1	8
## 232					
## 233					
## 234					
## 235					
## 236					
## 237	## 235	1	24	1	0
## 238	## 236	2	72	1	8
## 238	## 237	0	76	1	1
## 239					
## 240					
## 241					
## 242	## 240	0	121	1	0
## 243	## 241	3	8 4	1	7
## 244	## 242	1	60	0	0
## 244	## 243	0	57	0	6
## 245					
## 246					
## 247					
## 248		0	3	0	1
## 249	## 247	2	36	1	11
## 249	## 248	0	37	1	7
## 250		0	10	1	0
## 251 0 21 1 2 ## 252 2 14 1 20 ## 253 0 12 1 9 ## 254 0 18 1 9 ## 255 1 230 1 19 ## 256 1 10 0 6 ## 257 1 37 1 23 ## 258 2 84 1 46 ## 259 0 24 1 19 ## 260 2 18 1 15 ## 261 0 12 1 0 ## 262 4 51 1 16 ## 263 0 14 0 27 ## 264 0 14 1 11 ## 265 3 28 1 11 ## 266 4 204 1 7 ## 267 0 50 1 3 ## 268 3 179 1 6 ## 269 0 42 1 4 ## 270 0 5 1 0 ## 271 0 24 1 13 ## 272 0 3 1 4 ## 273 0 15 1 6 ## 273 0 15 1 6 ## 274 1 28 1 6 ## 275 2 25 1 8 ## 276 0 40 1 14 ## 277 2 18 0 0 ## 277 ## 278 0 60 1 11 ## 277 ## 278 0 60 1 11 ## 277 ## 278 0 60 1 11					
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## 253					
## 254					
## 255	## 253	0	12		
## 256	## 254	0	18	1	9
## 257	## 255	1	230	1	19
## 257					
## 258					
## 259 0 24 1 19 ## 260 2 18 1 15 ## 261 0 12 1 0 ## 262 4 51 1 16 ## 263 0 14 0 27 ## 264 0 14 1 11 ## 265 3 28 1 11 ## 266 4 204 1 7 ## 267 0 50 1 3 ## 268 3 179 1 6 ## 269 0 42 1 4 ## 270 0 5 1 0 ## 271 0 24 1 13 ## 272 0 3 1 4 ## 272 0 3 1 4 ## 273 0 15 1 6 ## 274 1 28 1 6 ## 275 2 25 1 8 ## 276 0 40 1 14 ## 277 2 18 0 0 ## 278 0 0 ## 278 0 0 ## 278 0 0 ## 278 0 0 ## 278 0 0 ## 279 0 30 1 13					
## 260					
## 261 0 12 1 0 ## 262 4 51 1 16 ## 263 0 14 0 27 ## 264 0 14 1 11 ## 265 3 28 1 11 ## 266 4 204 1 7 ## 267 0 50 1 3 ## 268 3 179 1 6 ## 270 0 5 1 0 ## 271 0 24 1 13 ## 272 0 3 1 4 ## 272 0 3 1 4 ## 273 0 15 1 6 ## 274 1 28 1 6 ## 275 2 25 1 8 ## 276 0 40 1 14 ## 277 2 18 0 0 ## 278 0 60 1 11 ## 278 0 60 1 11					
## 262					
## 263	## 261	0	12	1	0
## 264 0 14 1 11 ## 265 3 28 1 11 ## 266 4 204 1 7 ## 267 0 50 1 3 ## 268 3 179 1 6 ## 269 0 42 1 4 ## 270 0 5 1 0 ## 271 0 24 1 13 ## 272 0 3 1 4 ## 273 0 15 1 6 ## 274 1 28 1 6 ## 275 2 25 1 8 ## 276 0 40 1 14 ## 277 2 18 0 0 ## 278 0 60 1 11 ## 279 0 30 1 13	## 262	4	51	1	16
## 264 0 14 1 11 ## 265 3 28 1 11 ## 266 4 204 1 7 ## 267 0 50 1 3 ## 268 3 179 1 6 ## 269 0 42 1 4 ## 270 0 5 1 0 ## 271 0 24 1 13 ## 272 0 3 1 4 ## 273 0 15 1 6 ## 274 1 28 1 6 ## 275 2 25 1 8 ## 276 0 40 1 14 ## 277 2 18 0 0 ## 278 0 60 1 11 ## 279 0 30 1 13		0			
## 265					
## 266					
## 267 0 50 1 3 ## 268 3 179 1 6 ## 269 0 42 1 4 ## 270 0 5 1 0 ## 271 0 24 1 13 ## 272 0 3 1 4 ## 273 0 15 1 6 ## 274 1 28 1 6 ## 275 2 25 1 8 ## 276 0 40 1 14 ## 277 2 18 0 0 ## 278 0 60 1 11 ## 279 0 30 1 13					
## 268 3 179 1 6 ## 269 0 42 1 4 ## 270 0 5 1 0 ## 271 0 24 1 13 ## 272 0 3 1 4 ## 273 0 15 1 6 ## 274 1 28 1 6 ## 275 2 25 1 8 ## 276 0 40 1 14 ## 277 2 18 0 0 ## 278 0 60 1 11 ## 279 0 30 1 13					
## 269 0 42 1 4 ## 270 0 5 1 0 ## 271 0 24 1 13 ## 272 0 3 1 4 ## 273 0 15 1 6 ## 274 1 28 1 6 ## 275 2 25 1 8 ## 276 0 40 1 14 ## 277 2 18 0 0 ## 278 0 60 1 11 ## 279 0 30 1 13					
## 270 0 5 1 0 ## 271 0 24 1 13 ## 272 0 3 1 4 ## 273 0 15 1 6 ## 274 1 28 1 6 ## 275 2 25 1 8 ## 276 0 40 1 14 ## 277 2 18 0 0 ## 278 0 60 1 11 ## 279 0 30 1 13	## 268	3	179		6
## 270 0 5 1 0 ## 271 0 24 1 13 ## 272 0 3 1 4 ## 273 0 15 1 6 ## 274 1 28 1 6 ## 275 2 25 1 8 ## 276 0 40 1 14 ## 277 2 18 0 0 ## 278 0 60 1 11 ## 279 0 30 1 13	## 269	0	42	1	4
## 271 0 24 1 13 ## 272 0 3 1 4 ## 273 0 15 1 6 ## 274 1 28 1 6 ## 275 2 25 1 8 ## 276 0 40 1 14 ## 277 2 18 0 0 ## 278 0 60 1 11 ## 279 0 30 1 13		0	5		0
## 272 0 3 1 4 ## 273 0 15 1 6 ## 274 1 28 1 6 ## 275 2 25 1 8 ## 276 0 40 1 14 ## 277 2 18 0 0 ## 278 0 60 1 11 ## 279 0 30 1 13					
## 273 0 15 1 6 ## 274 1 28 1 6 ## 275 2 25 1 8 ## 276 0 40 1 14 ## 277 2 18 0 0 ## 278 0 60 1 11 ## 279 0 30 1 13					
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## 275 2 25 1 8 ## 276 0 40 1 14 ## 277 2 18 0 0 ## 278 0 60 1 11 ## 279 0 30 1 13					
## 276 0 40 1 14 ## 277 2 18 0 0 ## 278 0 60 1 11 ## 279 0 30 1 13					
## 276 0 40 1 14 ## 277 2 18 0 0 ## 278 0 60 1 11 ## 279 0 30 1 13	## 275	2	25	1	8
## 277 2 18 0 0 ## 278 0 60 1 11 ## 279 0 30 1 13		0	40	1	14
## 278 0 60 1 11 ## 279 0 30 1 13					
## 279 0 30 1 13					
1 ## 78N N 13 1 N					
	1 ## 78N	n	1.3	1	Λ

## 400	U	T 2	_	U
## 281	0	80	1	14
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## 283	2	180	1	9
## 284	0	36	1	5
## 285	1	12	1	2
## 286	0	42	1	13
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## 294	0	48	0	6
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## 320	0	15	0	0
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## 329	2	62	1	18
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## 331	0	27	1	18
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## 345	1	38	0	8
## 346	0	30	1	3
## 347	0	27	1	1
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	1		1	
## 351	0	42	0	0
## 352	0	13	1	31
## 353	1	54	1	14

## 354	0	27	1	0
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## 355	0	48	1	10
## 356	1	15	1	6
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## 358	0	25	1	2
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## 380	2	12	1	21
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## 397	2	48	1	1
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## 399	0	38	1	10
## 400	0	12	1	4
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## 402	1	12	1	0
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## 411	0	28	1	12
## 412	4	168	1	16
## 413	0	62	0	10
## 414	0	540	1	7
## 415	2	18	1	6
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## 419	1	188	1	13
## 420	1	16	1	21
## 421	0	18	0	3
## 422	0	6	1	12
## 423	2	60	1	15
## 424	0	146	1	17
## 425	0	18	1	11
## 426	2	6	1	5
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## 427	2	301	1	11
## 428	2	192	0	7
## 429	0	16	1	0
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## 448	0	6	1	8
## 449	1	7	1	7
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## 451	1	12	1	7
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## 468	0	4	1	13
## 469	0	28	1	5
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## 471	2	24	1	4
## 472	0	3	1	4
## 473	2	28	1	4
## 474	0	270	0	1
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## 476	0	7	0	5
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## 478	3	43	1	13
## 479	0	31	1	7
## 480	1	54	1	1
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## 482	1	31	1	7
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## 489	2	6	1	4
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## 495	2	159	1	4
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## 498	0	24	1	12
## 499	0	24	1	9
## 500	0	12 101	1	0
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## 502	1	75	1	23
## 503	0	10	1	12
## 504	1	84	0	1
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## 515	0	96	1	17
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## 521	1	132	1	22
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## 527	0	44	1	15
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## 674	0	138	1	4
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## 678	0	9	1	22
## 679	4	48	1	8
## 680	2	20	1	0
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## 683	2	60	1	7
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## 685	0	108	0	11
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## 710	2	4	1	0
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## 717	1	22	1	3
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## 720	0	14	0	3
## 701	Ω	61	1	Ω

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## 722	0	47	1	1
## 723	0	12	1	9
## 724	0	12	1	8
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## 726	0	36	0	0
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## 728	1	8	1	4
## 729	1	8 4	0	12
## 730	0	27	1	4
## 731	3	30	1	7
## 732	3	18	1	5
## 733	0	66	1	3
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## 736	1	96	1	8
## 737	2	18	1	0
## 738	1	12	0	10
## 739	0	9	0	3
## 740	3	36	1	8
## 741	0	204	0	5
## 742	1	36	1	0
## 743	2	36	1	2
## 744	1		1	2
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## 746	1	180	1	5
## 747	0	192	1	3
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## 750	0	43	1	2
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## 783	0	60	0	7
## 784	0	33	1	4
## 785	0	18	1	1
## 786	0	151	1	5
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## 794	0	24	1	5
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## 799	0	90	1	10
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## 815	1	42	0	13
## 816	6	3	0	0
## 817	1	30	0	2
	0	8	1	0
## 819	0	72	1	11
## 820	4	12	1	10
## 821	0	28	1	22
## 822	1	6	1	0
## 823	0	44	1	14
## 824	0	7	1	16
## 825	0	64	0	1
## 826	0	192	1	8
## 827	1	94	0	2
## 828	0	36	1	2
## 829	0	18	1	0
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## 831	0	25	1	9
## 832	2	4	1	1
## 833	0	12	1	0
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## 838	2	7	1	3
## 839	4	216	1	11
## 840	0	36	1	1
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## 846	0	132	1	0
## 847	0	72	1	11
## 848	2	30	1	0
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## 850	0	66	1	3
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## 911	0		Τ.		
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## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 918 ## 919 ## 920	0 6 3 2 1 0 0 4 4	0 94 60 84 12 50 14	1 1 1 1 0 1 1 0	2 2 6 4 4 10 0 3	
## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 918 ## 919 ## 920 ## 921	0 6 3 2 1 0 0 4 4 4	0 94 60 84 12 50 14 84	1 1 1 1 0 1 0 1	2 2 6 4 4 10 0 3 1	
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## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 918 ## 919 ## 920 ## 921 ## 922 ## 923	0 6 3 2 1 0 0 4 4 0 0	0 94 60 84 12 50 14 84 7 48 24	1 1 1 1 0 1 0 1 1 0	2 2 6 4 4 10 0 3 1 4	
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## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 918 ## 919 ## 920 ## 921 ## 922 ## 923 ## 924 ## 925	0 6 3 2 1 0 0 4 4 0 0 0	0 94 60 84 12 50 14 84 7 48 24 234	1 1 1 1 0 1 1 0 1 1 1 0 1	2 2 6 4 4 10 0 3 1 4 12 2 5	
## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 918 ## 920 ## 921 ## 922 ## 922 ## 923 ## 924 ## 925 ## 926	0 6 3 2 1 0 0 4 4 0 0 0 0	0 94 60 84 12 50 14 84 7 48 24 234 44 38	1 1 1 1 0 1 1 0 1 1 1 0 1 1 1 0	2 2 6 4 4 10 0 3 1 4 12 2 5	
## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 918 ## 919 ## 920 ## 921 ## 922 ## 923 ## 924 ## 925	0 6 3 2 1 0 0 4 4 0 0 0	0 94 60 84 12 50 14 84 7 48 24 234	1 1 1 1 0 1 1 0 1 1 1 0 1	2 2 6 4 4 10 0 3 1 4 12 2 5	
## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 918 ## 920 ## 921 ## 922 ## 922 ## 923 ## 924 ## 925 ## 926 ## 927	0 6 3 2 1 0 0 4 4 0 0 0 0	0 94 60 84 12 50 14 84 7 48 24 234 44 38 180	1 1 1 1 0 1 0 1 1 1 0 1 1 1 0	2 2 6 4 4 10 0 3 1 4 12 2 5 19	
## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 918 ## 920 ## 921 ## 922 ## 922 ## 923 ## 924 ## 925 ## 925 ## 926 ## 927	0 6 3 2 1 0 0 4 4 0 0 0 0 0	0 94 60 84 12 50 14 84 7 48 24 234 44 38 180 120	1 1 1 1 0 1 0 1 1 0 1 1 1 0 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 6 4 4 10 0 3 1 4 12 2 5 19 0	
## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 918 ## 920 ## 922 ## 922 ## 922 ## 923 ## 924 ## 925 ## 925 ## 926 ## 927 ## 928	0 6 3 2 1 0 0 4 4 0 0 0 0 0 0 0	0 94 60 84 12 50 14 84 7 48 24 234 44 38 180 120	1 1 1 1 0 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 6 4 4 10 0 3 1 4 12 2 5 19 0 9	
## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 918 ## 920 ## 921 ## 922 ## 922 ## 923 ## 924 ## 925 ## 925 ## 926 ## 927	0 6 3 2 1 0 0 4 4 0 0 0 0 0	0 94 60 84 12 50 14 84 7 48 24 234 44 38 180 120	1 1 1 1 0 1 0 1 1 0 1 1 1 0 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 6 4 4 10 0 3 1 4 12 2 5 19 0	
## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 918 ## 920 ## 922 ## 922 ## 922 ## 923 ## 924 ## 925 ## 926 ## 927 ## 928 ## 929	0 6 3 2 1 0 0 4 4 0 0 0 0 0 0 0	0 94 60 84 12 50 14 84 7 48 24 234 44 38 180 120 15	1 1 1 1 0 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 6 4 4 10 0 3 1 4 12 2 5 19 0 9 1	
## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 918 ## 920 ## 921 ## 922 ## 922 ## 923 ## 924 ## 925 ## 926 ## 927 ## 928 ## 929 ## 930 ## 931	0 6 3 2 1 0 0 4 4 0 0 0 0 0 0 0 0 0	0 94 60 84 12 50 14 84 7 48 24 234 44 38 180 120 15 108 96	1 1 1 1 0 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 6 4 4 10 0 3 1 4 12 2 5 19 0 9 1 16 0	
## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 918 ## 920 ## 922 ## 922 ## 922 ## 923 ## 924 ## 925 ## 926 ## 927 ## 928 ## 929	0 6 3 2 1 0 0 4 4 0 0 0 0 0 0 0	0 94 60 84 12 50 14 84 7 48 24 234 44 38 180 120 15	1 1 1 1 0 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 6 4 4 10 0 3 1 4 12 2 5 19 0 9 1	
## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 918 ## 920 ## 921 ## 922 ## 922 ## 923 ## 924 ## 925 ## 926 ## 927 ## 928 ## 929 ## 930 ## 931 ## 931	0 6 3 2 1 0 0 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 94 60 84 12 50 14 84 7 48 24 234 44 38 180 120 15 108 96 82	1 1 1 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 0 1 1 1 0 1 1 1 0 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 6 4 4 10 0 3 1 4 12 2 5 19 0 9 1 16 0	
## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 918 ## 920 ## 921 ## 922 ## 922 ## 923 ## 924 ## 925 ## 926 ## 927 ## 928 ## 929 ## 930 ## 931 ## 932 ## 933	0 6 3 2 1 0 0 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 94 60 84 12 50 14 84 7 48 24 234 44 38 180 120 15 108 96 82 108	1 1 1 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 6 4 4 10 0 3 1 4 12 2 5 19 0 9 1 16 0 0	
## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 918 ## 920 ## 921 ## 922 ## 922 ## 923 ## 924 ## 925 ## 926 ## 927 ## 928 ## 929 ## 930 ## 931 ## 933 ## 933	0 6 3 2 1 0 0 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 94 60 84 12 50 14 84 7 48 24 234 44 38 180 120 15 108 96 82 108 15	1 1 1 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 6 4 4 10 0 3 1 4 12 2 5 19 0 9 1 16 0 0 3	
## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 918 ## 920 ## 921 ## 922 ## 922 ## 923 ## 924 ## 925 ## 926 ## 927 ## 928 ## 929 ## 930 ## 931 ## 932 ## 933 ## 934	0 6 3 2 1 0 0 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 94 60 84 12 50 14 84 7 48 24 234 44 38 180 120 15 108 96 82 108	1 1 1 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 6 4 4 10 0 3 1 4 12 2 5 19 0 9 1 16 0 0	
## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 918 ## 920 ## 921 ## 922 ## 923 ## 924 ## 925 ## 926 ## 927 ## 928 ## 929 ## 930 ## 931 ## 931 ## 933 ## 934 ## 934	0 6 3 2 1 0 0 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 94 60 84 12 50 14 84 7 48 24 234 44 38 180 120 15 108 96 82 108 15 12	1 1 1 1 0 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 6 4 4 10 0 3 1 4 12 2 5 19 0 9 1 16 0 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	
## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 919 ## 920 ## 921 ## 922 ## 923 ## 924 ## 925 ## 926 ## 927 ## 928 ## 929 ## 930 ## 931 ## 931 ## 933 ## 934 ## 935 ## 935	0 6 3 2 1 0 0 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 94 60 84 12 50 14 84 7 48 24 234 44 38 180 120 15 108 96 82 108 15 12 15	1 1 1 1 0 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 6 4 4 10 0 3 1 4 12 2 5 19 0 9 1 16 0 0 3 3 1 4 1 1 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 918 ## 920 ## 921 ## 922 ## 923 ## 924 ## 925 ## 926 ## 927 ## 928 ## 929 ## 930 ## 931 ## 931 ## 933 ## 934 ## 934	0 6 3 2 1 0 0 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 94 60 84 12 50 14 84 7 48 24 234 44 38 180 120 15 108 96 82 108 15 12	1 1 1 1 0 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 6 4 4 10 0 3 1 4 12 2 5 19 0 9 1 16 0 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	
## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 919 ## 920 ## 921 ## 922 ## 923 ## 924 ## 925 ## 926 ## 927 ## 928 ## 929 ## 930 ## 931 ## 931 ## 933 ## 934 ## 935 ## 936 ## 937	0 6 3 2 1 0 0 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 94 60 84 12 50 14 84 7 48 24 234 44 38 180 120 15 108 96 82 108 15 12 15 72	1 1 1 1 0 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 6 4 4 10 0 3 1 4 12 2 5 19 0 9 1 16 0 0 3 3 1 0 0 3 1 0 0 0 0 0 0 0 0 0 0 0	
## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 918 ## 920 ## 921 ## 922 ## 923 ## 924 ## 925 ## 926 ## 927 ## 928 ## 929 ## 930 ## 931 ## 931 ## 933 ## 934 ## 935 ## 937 ## 938	0 6 3 2 1 0 0 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 94 60 84 12 50 14 84 7 48 24 234 44 38 180 120 15 108 96 82 108 15 12 15 72 60	1 1 1 1 0 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 6 4 4 10 0 3 1 4 12 2 5 19 0 9 1 16 0 0 3 3 1 4 1 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
## 912 ## 913 ## 914 ## 915 ## 916 ## 917 ## 919 ## 920 ## 921 ## 922 ## 923 ## 924 ## 925 ## 926 ## 927 ## 928 ## 929 ## 930 ## 931 ## 931 ## 933 ## 934 ## 935 ## 936 ## 937	0 6 3 2 1 0 0 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 94 60 84 12 50 14 84 7 48 24 234 44 38 180 120 15 108 96 82 108 15 12 15 72	1 1 1 1 0 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 6 4 4 10 0 3 1 4 12 2 5 19 0 9 1 16 0 0 3 3 1 0 0 3 1 0 0 0 0 0 0 0 0 0 0 0	

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##	978	5	24	1	6
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##	980	0	24	1	14
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##	1000	1	216	1	27
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##	1002	0	138	1	8
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##	1008	1	201	0	16
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		10		
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## 1071	2	12	1	0
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## 1073	2	27	1	9
## 1074	2	38	1	19
## 1075	3	32	1	7
## 1076	2	24	1	10
## 1077	0	51	1	3
## 1078	0	143	1	6
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## 1084	0	34	0	2

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## 1089	0	14	0	3
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## 1092	0	240	1	2
## 1093	1	169	0	6
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## 1096	2	72	1	0
	0	192	0	1
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## 1099	0	7	1	11
## 1100	2	132	1	9
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	1			
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## 1118	0	6	0	7
## 1119	0	36	0	44
## 1120	1	12	1	0
## 1121	1	8	1	5
## 1122	3	10	1	0
## 1123	0	240	1	7
## 1124	0	1	1	0
## 1125	0	16	1	0
## 1126	0	9	0	4
## 1127	3	5	0	1
## 1128	3	54	1	7
## 1129	0	15	1	5
## 1130	0	27	1	16
## 1131	3	60	0	22
## 1132	1	24	1	2
## 1133	3	16	1	9
## 1134	2	29	0	4
## 1135	4	36	1	14
## 1136	3	135	0	25
## 1137	1	96	1	5
## 1138	2	147	1	8
## 1139	0	108	1	18
## 1140	2	6	1	0
## 1141	2	10	1	14
## 1142	1	67	1	1
## 1143	0	20	1	2
## 1144	0	1	1	12
## 1145	3	24	1	3
## 1146	0	147	1	1
## 1147	0	48	0	1
## 1148	4	3	1	0
## 1149	0	24	1	10
## 1150	3	47	1	9
## 1151	0	6	0	4
## 1152	3	5	1	9
## 1153	0	68	1	9
## 1154	0	75	1	5
	1	3	1	12
## 1155	Т			
## 1156	0	105	0	1
## 1156	0	105	0	1

## TT7/	U	4 0	Τ.	T O
## 1158	2	18	1	0
## 1159	1	42	0	11
## 1160	2	16	1	19
## 1161	0	138	0	3
## 1162	3	24	1	4
## 1163	0	12	1	18
## 1164	0	6	0	0
## 1165	0	6	0	17
## 1166	2	13	1	13
## 1167	0	12	1	14
## 1168	0	147	1	22
## 1169	0	7	1	12
## 1170	3	232	1	7
## 1171	0	12	1	7
## 1172	0	6	1	0
## 1173	0	36	0	6
## 1174	0	72	0	2
## 1175	0	28	1	12
## 1176	0	528	0	5
## 1177	1	180	0	5
## 1178	1	102	0	13
## 1179	0	48	0	15
	1			6
## 1180		30	1	
## 1181	0	4	1	0
## 1182	0	36	1	6
## 1183	1	41	1	12
## 1184	1	56	0	20
## 1185	6	6	0	0
## 1186	4	168	1	7
## 1187	4	6	1	0
	2		1	
## 1188		49		4
## 1189	2	9	0	0
## 1190	0	46	0	3
## 1191	3	15	1	9
## 1192	2	32	1	16
## 1193	3	18	0	10
## 1194	0	27	1	0
## 1196	0	30	1	2
## 1197	1	120	1	16
## 1198	0	26	1	7
## 1199	0	10	0	0
## 1200	0	228	0	9
## 1201	2	42	1	1
## 1202	0	36	1	23
## 1203	0	4	0	1
## 1204	0	6	1	8
## 1205	0	51	1	5
## 1206	2	122	1	11
## 1207	1	24	1	0
## 1208	0	24	1	15
## 1209	0	28	1	5
## 1210	0	19	1	0
## 1211	3	180	0	19
## 1212	2	60	1	2
## 1213	0	4	1	1
## 1214	3	18	1	0
## 1215	3	6	1	0
## 1216	0	36	1	3
## 1217	5	81	1	7
## 1218	2	78	1	9
## 1219	1	6	1	8
## 1220	3	124	1	19
## 1221	1	24	1	20
## 1222	2	96	1	17
	3		1	
## 1223		97		13
## 1224	1	66	1	14
## 1225	0	18	1	7
## 1226	2	100	1	0
## 1227	0	6	1	31
## 1228	4	72	1	20
## 1229	0	2	1	5
## 1230	1	72	1	20
## 1230	1	72	1	20

I ## 1001	4	26	1	2 =
## 1231	4	36		25
## 1232	0	27	1	19
## 1233	3	15	1	17
## 1234	3	36	1	9
## 1235	0	12	1	0
## 1236	0	25	0	3
## 1237	4	14	1	0
## 1238	2	75	1	9
## 1239	2	3	1	12
## 1240	0	429	1	0
## 1241	0	48	0	1
## 1242	3	50	1	14
## 1243	0	24	0	4
## 1244	1	18	1	0
## 1245	0	42	0	4
## 1246	0	128	1	10
## 1247	0	153	1	11
## 1248	3	24	0	13
## 1249	0	56	1	10
## 1250	4	16	1	7
## 1251	2	98	1	3
## 1252	0	33		16
## 1253	2	22	1	15
## 1254	0	38	1	0
## 1255	0	56	1	1
## 1256	1	4	0	0
## 1257	0	4	1	8
## 1258	0	60	1	7
## 1259	0	12	1	0
## 1260	1	16	1	4
## 1261	0	14	1	3
## 1262	0	6	1	0
## 1263	0	276	1	6
## 1264	0	29	0	5
## 1265	0	26	1	4
## 1266	0	14	1	0
## 1267	2	6	1	10
## 1268	4	120		
				10
## 1269	0	6	1	0
## 1270	0	4	1	0
## 1271	0	9	1	0
## 1272	1	13	1	11
## 1273	2	18	1	28
## 1274	2	14	1	17
## 1275	0	10	0	4
## 1276	3	29	1	9
## 1277	0	6	1	19
## 1278	0	14	1	13
	3	7	1	
				0
## 1280	2	17	1	11
## 1281	0	6	1	11
## 1282	2	8	0	0
## 1283	2	12	0	7
## 1284	2	3	1	0
## 1285	1	154	0	6
## 1286	1	8 4	1	3
## 1287	3	114		19
## 1288	2	2	1	8
## 1289	1	18	1	8
## 1290	1	16	1	2
## 1291	0	42	1	5
## 1292	0	2	1	0
## 1293	2	228	1	0
## 1294	0	12	1	4
## 1295	1	60	1	7
## 1296	0	37		18
## 1297	0	30	1	20
## 1298	0	6	1	0
## 1299	1	132		12
## 1300	2	24	1	19
## 1301	1	30	0	0
## 1302	1	13	1	0
## 1303	2	1	1	8

```
## 1304
         0 24
                     0
                          10
                          12
## 1305
          0 41
                      1
                           9
## 1306
              60
          3
                      1
                           6
## 1307
          0
              111
                       1
          2
             123
## 1308
                       1
## 1309
          0
               25
                       1
                           10
## 1310
           1
              121
                       1
                           10
          3
                      0
## 1311
              36
          0
              46
## 1312
                      1
## 1313
          1
              36
                      0
                           4
## 1314
          0
              13
                      1
## 1315
          0
              94
                      1
                          19
          3
              12
## 1316
                      1
                      1
## 1317
          2
               1
              60
## 1318
          0
                      1
          2
              2
## 1319
                       1
```

```
testing<- subset(creditcard_sub, split="FALSE")

#Applying logistic Regression

#FULL MODEL ANOVA TEST

model<-glm(card ~.,family=binomial(link="logit"),data=training)</pre>
```

```
## Warning: glm.fit: algorithm did not converge
```

```
## Warning: glm.fit: fitted probabilities numerically 0 or 1 occurred
```

summary(model)

```
##
## Call:
## glm(formula = card ~ ., family = binomial(link = "logit"), data = training)
##
## Deviance Residuals:
   eviance Restaurate.

Min 1Q Median 3Q

^^ 0.00 0.00
##
                            3Q
                                    Max
##
   -8.49
                                   8.49
##
## Coefficients:
               Estimate Std. Error z value Pr(>|z|)
##
## (Intercept) 4.411e+14 8.622e+06 51160947 <2e-16 ***
## reports -5.568e+14 1.436e+06 -387757523 <2e-16 ***
              3.481e+12 2.303e+05 15117748 <2e-16 ***
## age
           -2.089e+13 1.472e+06 -14189162 <2e-16 ***
## income
## share
              1.785e+16 4.356e+07 409908256 <2e-16 ***
## expenditure -8.382e+11 1.568e+04 -53456118 <2e-16 ***
## owneryes 3.346e+13 4.369e+06 7656801 <2e-16 ***
## selfempyes 1.406e+14 7.375e+06 19061690 <2e-16 ***
## dependents -1.241e+12 1.623e+06 -764501
                                                <2e-16 ***
## months -2.997e+11 3.181e+04
## majorcards 3.795e+13 4.875e+06
                                     -9421887
                                                <2e-16 ***
                                    7784177 <2e-16 ***
              4.215e+12 3.179e+05 13259193 <2e-16 ***
## active
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
    Null deviance: 1398.5 on 1311 degrees of freedom
## Residual deviance: 12110.7 on 1300 degrees of freedom
## AIC: 12135
##
## Number of Fisher Scoring iterations: 25
```

```
#*** means 99% confident
#Null Deviance shows how well the response variable is predicted by a model that includes #only the inter
#Residual Deviance shows how well the response variable is predicted with inclusion of independant variab
#Null Deviance must be greater than Residual Deviance #We remove the Insignificant variables
#Insignificant variables must be removed.
model2<-glm(card ~ age + income + reports + dependents + months + owner + selfemp, family= "binomial", da</pre>
ta=training)
summary(model2)
##
## Call:
## glm(formula = card ~ age + income + reports + dependents + months +
    owner + selfemp, family = "binomial", data = training)
##
##
## Deviance Residuals:
##
   Min
          1Q Median
                            30
## -2.853 0.275 0.471 0.604 2.576
##
## Coefficients:
##
               Estimate Std. Error z value Pr(>|z|)
## (Intercept) 1.2679794 0.3087017 4.107 4.00e-05 ***
## age -0.0088340 0.0098928 -0.893 0.371872
## income
              0.2778539 0.0647286 4.293 1.77e-05 ***
## reports
              -1.3621675 0.1150612 -11.839 < 2e-16 ***
## dependents -0.2611007 0.0672456 -3.883 0.000103 ***
## months
               0.0000331 0.0013584
                                    0.024 0.980561
             0.8357101 0.1900837
                                    4.397 1.10e-05 ***
## owneryes
## selfempyes -0.6542231 0.2819490 -2.320 0.020321 *
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##
     Null deviance: 1398.5 on 1311 degrees of freedom
## Residual deviance: 1045.1 on 1304 degrees of freedom
## AIC: 1061.1
##
## Number of Fisher Scoring iterations: 6
coef(model2)
##
                                                 reports
   (Intercept)
                         age
                                    income
                                                           dependents
## 1.267979e+00 -8.834000e-03 2.778539e-01 -1.362168e+00 -2.611007e-01
##
         months
                    owneryes
                               selfempves
## 3.309925e-05 8.357101e-01 -6.542231e-01
#Model has all the significant variables.
###Prediction of model
```

res<-predict(model2, training , type="response")</pre>

head(res, 20)

```
## 0.9042466688 0.7035954644 0.8822734361 0.8462020816 0.9823414436

## 6 7 8 9 10

## 0.8530857392 0.8319757584 0.9246376040 0.9445845540 0.8708202052

## 11 12 13 14 15

## 0.9353219512 0.8534352354 0.8869186831 0.9262578724 0.8585708685

## 16 17 18 19 20

## 0.9147930964 0.9122950320 0.0006239973 0.9797662314 0.0930416858
```

```
#comparing with the training data
head(training,20)
```

```
## card reports age income
                                share expenditure owner selfemp
## 1 yes 0 37.66667 4.5200 0.0332699100 124.983300 yes
## 2 yes
             0 33.25000 2.4200 0.0052169420 9.854167 no
## 3 yes
             0 33.66667 4.5000 0.0041555560 15.000000 yes
              0 30.50000 2.5400 0.0652137800 137.869200
## 4
    yes
                                                    no
                                                            no
              0 32.16667 9.7867 0.0670505900 546.503300 yes
## 5
     yes
                                                            no
## 6
              0 23.25000 2.5000 0.0444384000 91.996670
     yes
                                                    no
                                                            no
## 7
              0 27.91667 3.9600 0.0125757600
                                          40.833330
     yes
                                                     no
                                                            no
## 8
     yes
              0 29.16667 2.3700 0.0764337600
                                         150.790000
                                                            no
                                                     yes
## 9
     yes
              0 37.00000 3.8000 0.2456279000
                                         777.821700
                                                     yes
              0 28.41667 3.2000 0.0197800000
## 10 yes
                                          52.580000
                                                            no
              0 30.50000 3.9500 0.0780245600 256.664200
                                                   yes
## 11 yes
                                                            no
## 12
              0 42.00000 1.9800 0.0006060606 0.000000 yes
     no
                                                            no
             0 30.00000 1.7300 0.0006936416 0.000000 yes
## 13 no
                                                            no
## 14 yes
             0 28.83333 2.4500 0.0387955100 78.874170 yes
                                                            no
             0 35.33333 1.9080 0.0269067100 42.615000 yes
## 15 yes
                                                            no
## 16 yes
             0 41.16667 3.2000 0.1258194000 335.435000 yes
              0 40.08333 4.0000 0.0748157500 248.719200 yes
## 17 yes
                                                            no
## 18 no
              7 29.50000 3.0000 0.0004000000 0.000000
                                                   yes
                                                            no
              0 39.50000 9.9999 0.0657948600 548.035000 yes
## 19 yes
                                                            yes
## 20 no
              3 45.75000 3.4000 0.0003529412 0.000000
                                                    no
                                                            no
##
  dependents months majorcards active
## 1
     3 54
                         1
## 2
            3
                 34
                            1
                                 13
## 3
                5.8
            4
                           1
           0
## 4
                2.5
                           1
                                  7
## 5
           2
                64
                           1
           0
                54
                           1
## 7
           2
                 7
                           1
## 8
           0
                 77
                           1
                                 3
           0
## 9
                97
                           1
                                 6
           0
                65
## 10
                           1
                                 1.8
## 11
            1
                 24
                           1
                                20
## 12
            2
                 36
                           1
                                 0
## 13
            1
                 42
                            0
                                 12
## 14
            0
                 26
                            1
                                  3
                                 5
## 15
            2
                120
                            0
## 16
            1
                168
                           1
                                 22
## 17
                 96
            2.
                           1
                                 0
## 18
            2
                 60
                           1
                                 8
## 19
           0
                 28
                                 0
                            1
## 20
                28
                           1
```

```
#After predicting the values for the test dataset, we found that our model is predicting correct data.

#MODEL ACCURACY

table (Actialvalue=testing$card, Predictedvalue=res>0.5)
```

```
## Predictedvalue
## Actialvalue FALSE TRUE
## no 115 180
## yes 20 997
```

```
#Assuming Threshold to be 0.5.
#Confusion matrix says: For actual card= 'yes' ,
#model predicted FALSE for 13 times that means an #applicant cannot get the credit card.
#This is the error.
#For actual card='no', the model always predicted TRUE value.
#Accuracy: (115+997)/(115+180+20+997) = 0.84 #Our model is very much accurate that is around 84%% accurate
#ROC Curve
library (ROCR)
## Warning: package 'ROCR' was built under R version 3.4.3
## Loading required package: gplots
## Attaching package: 'gplots'
## The following object is masked from 'package:stats':
##
##
       lowess
#Receiver operating characteristic curve(ROC Curve), used to measure accuracy of the model
\#\# As we assumed threshold to be 0.5, we predicted our model to be 85% accurate.
#Accuracy is measured by area under the curve
ROCRPred = prediction(res, training$card)
ROCRPerf <- performance(ROCRPred, "tpr", "fpr")</pre>
plot(ROCRPerf)
abline (a=0,b=1)
```

