

# Acacia vs Tree: Homework

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#Alternatively, we can force variables to be assigned a specific type when we read them:

```
trees <- read_tsv("../data-raw/TREE_SURVEYS.txt",  
  col_types = list(HEIGHT = col_double(),  
    AXIS_2 = col_double()))
```

```
## Warning: One or more parsing issues, call 'problems()' on your data frame for details,  
## e.g.:  
##   dat <- vroom(...)  
##   problems(dat)
```

```
ACACIA <- read.csv(file = "../data-raw/ACACIA_DREPANOLOBIUM_SURVEY.txt", sep = "\t", na.strings = "dead")
```

```
canopy_area <- trees$AXIS_1*trees$AXIS_2  
print(canopy_area)
```

```
##   [1] 30.50000 69.71250 79.65000 39.05000 40.75000 6.16000  
##   [7] 7.28750 12.54000      NA    9.62000 20.35000 18.36000  
##  [13] 22.40000      NA    42.21000 2.24000 7.70000 14.60000  
##  [19] 17.22000 23.43250 18.90000 18.36000 35.40000 55.25000  
##  [25] 34.72000 14.82000 10.23000 12.21000 12.95000 20.02500  
##  [31] 19.95000 30.07000 30.80000 37.52000 36.54000 1.87000  
##  [37] 4.50000 6.36000 9.52000 12.45000 5.75000 4.62000  
##  [43] 8.00000 22.95000 25.07000 9.45000 11.55000 21.56000  
##  [49] 20.40000 43.22500 14.08000 13.76000 12.60000 24.44000  
##  [55] 29.87000 8.75000 2.40700 6.24000      NA    20.47500  
##  [61] 6.24000 5.78400 5.22000 19.76000 4.62000 7.50000  
##  [67] 20.40000 6.72000 8.37000 21.45000 8.10000 10.43100  
##  [73] 16.96000 49.70000 39.04000 1.20000 4.84000 5.00000  
##  [79] 19.50000 31.27000 3.61000 6.39200 6.24000 9.72000  
##  [85] 18.04000 19.38000 16.32000 25.25000 32.76000 65.32000  
##  [91] 60.04000 50.13200 60.30000 78.26000 103.02000 15.60000  
##  [97] 8.91000 13.64000 12.75000 33.92000 1.35000 4.07000  
## [103] 2.66000 8.99000 8.10000 1.10000 3.44000 4.33500  
## [109] 5.06000 10.54000 1.56000 3.33000 5.28000 10.88000  
## [115] 3.15000 1.75500 1.75000 2.06250 9.36000 5.06250  
## [121] 1.08000 1.81250 2.17000 1.95000      NA    1.05000  
## [127] 1.00000 0.95000 3.60000 3.24000 9.03000 14.31750  
## [133] 16.28000 12.58000 18.92000 2.94000 5.02250      NA  
## [139] 23.50000 5.75000 8.40750 9.92000 16.80000 4.14000
```

##	[145]	4.09500	8.70000	13.31250	8.40000	8.84000	8.82000
##	[151]	14.28000	17.86000	2.66000	3.46500	3.96000	11.70000
##	[157]	0.26000	0.32500	0.52500	1.32000	3.50000	7.43400
##	[163]	13.20000	12.30000	14.62000	15.99000	0.04370	NA
##	[169]	NA	4.20000	4.20000	6.75750	7.20000	15.20000
##	[175]	5.28000	8.12700	4.70000	16.72000	17.16000	10.54000
##	[181]	11.16000	5.50000	11.20000	25.07500	12.92700	17.83500
##	[187]	20.28000	29.25000	0.75000	1.21200	2.55750	3.80000
##	[193]	5.80500	0.26000	1.66170	2.47500	5.40000	5.41500
##	[199]	0.09000	0.27000	0.29250	0.16500	0.60000	0.42000
##	[205]	0.52500	0.34000	0.45500	3.30000	4.32000	5.16000
##	[211]	6.60000	8.68000	1.15500	0.95000	1.10000	1.82000
##	[217]	2.24000	1.75000	2.27500	4.00000	4.83000	5.98000
##	[223]	0.73150	1.43000	4.10000	5.75000	5.46000	0.91800
##	[229]	1.21000	3.42000	4.32000	7.67000	5.20000	6.44000
##	[235]	6.75000	8.77150	6.67000	3.04000	3.23000	5.29000
##	[241]	6.88500	7.28000	4.46500	4.08000	7.52000	6.32500
##	[247]	8.69500	7.44000	9.86000	11.20000	16.20000	6.76000
##	[253]	2.10000	2.02500	5.22500	4.24650	24.47500	3.80000
##	[259]	5.04000	8.70000	12.24000	10.85000	2.34000	2.72000
##	[265]	3.31500	8.80000	7.50000	7.02000	4.27500	8.10000
##	[271]	8.83500	10.47250	5.00000	4.48500	5.28000	4.65500
##	[277]	5.28000	2.16000	2.31000	3.23000	2.92600	4.37500
##	[283]	6.34680	10.85000	6.09500	12.24000	11.22000	33.04800
##	[289]	33.48000	45.54000	43.92000	25.92000	5.25800	7.80000
##	[295]	8.70000	12.95000	13.12000	7.70500	5.98000	7.44000
##	[301]	12.21000	7.56000	2.10000	2.31000	5.17000	5.40000
##	[307]	10.73000	3.07500	6.50000	6.12500	7.83000	10.23000
##	[313]	1.62500	11.90000	14.43000	20.68000	20.21000	11.59000
##	[319]	0.88000	1.32000	1.54000	1.75000	6.36000	9.92000
##	[325]	8.26000	11.20000	12.95000	3.15000	4.10000	3.51500
##	[331]	9.86000	7.56000	29.40000	33.04000	37.96000	63.99000
##	[337]	41.18000	6.57000	7.26000	6.20000	8.00000	8.99000
##	[343]	11.71500	16.20000	10.53000	25.48000	26.10000	18.55420
##	[349]	23.62500	44.55000	51.83000	28.32000	2.96000	5.06000
##	[355]	7.80000	7.56000	6.58000	13.96500	17.63000	15.64000
##	[361]	33.64000	27.50000	1.36500	NA	1.56000	1.21000
##	[367]	1.43000	57.60000	77.40000	107.91000	75.69000	25.44000
##	[373]	16.40000	12.71000	13.26000	30.80000	32.48000	6.02000
##	[379]	5.94000	7.83000	10.92000	0.47600	0.88000	1.87500
##	[385]	0.88000	0.99000	4.03520	2.88000	4.40750	15.99000
##	[391]	13.53000	0.94340	1.82000	0.60000	0.50000	0.68250
##	[397]	3.32640	0.35000	0.48000	0.21000	0.93500	0.45000
##	[403]	0.39650	0.35000	0.33000	NA	6.30000	6.24000
##	[409]	10.85000	9.10000	1.57500	1.43000	1.30000	6.90000
##	[415]	4.50000	3.23000	5.88000	6.16000	8.58000	8.16000
##	[421]	12.46000	10.08000	15.96000	23.50000	24.75000	3.38250
##	[427]	2.85000	4.08500	18.15000	11.16000	1.38000	1.04500
##	[433]	1.68000	1.20000	1.56000	6.16000	5.25000	3.00000
##	[439]	2.64000	NA	1.40000	1.54000	1.50000	1.62000
##	[445]	4.62000	1.62500	1.95000	1.44000	NA	1.48500
##	[451]	2.24750	2.88000	3.67500	4.20000	2.88000	3.40000
##	[457]	3.92000	5.50000	5.52000	1.84000	3.20000	5.79600
##	[463]	2.40000	4.30500	0.65000	1.20000	1.80000	2.40000

##	[469]	2.40000	1.89000	2.40000	2.55000	2.25000	1.62000
##	[475]	0.90000	0.10800	1.01760	0.80000	0.56000	0.19250
##	[481]	2.24000	0.42600	0.42000	0.59500	2.14500	2.24000
##	[487]	3.04000	NA	NA	31.63500	56.12000	24.99000
##	[493]	27.72000	48.28000	12.07000	8.51000	16.38000	56.00000
##	[499]	NA	21.31500	12.95000	18.04000	13.44000	24.99000
##	[505]	12.76500	18.45000	18.06000	28.00000	35.91000	14.61500
##	[511]	25.30000	22.08000	20.24000	36.64750	14.25000	14.80000
##	[517]	NA	NA	NA	7.96500	9.45000	6.09000
##	[523]	6.48000	11.47000	13.16250	12.60000	8.68000	10.66000
##	[529]	14.44000	9.29250	9.72000	12.87000	10.40000	15.39000
##	[535]	10.17750	12.71000	15.30000	14.00000	30.07000	1.37500
##	[541]	1.30000	0.99000	10.80000	4.50000	5.51250	7.54000
##	[547]	6.44000	5.28000	11.72500	6.12000	7.83000	8.68000
##	[553]	10.24000	9.61000	5.26750	6.24000	6.75000	7.02000
##	[559]	11.90000	20.90000	28.50000	10.32000	9.90000	10.36000
##	[565]	4.09500	3.60000	4.59000	6.48000	3.96000	8.70000
##	[571]	11.52000	14.82000	13.20000	16.65000	2.99300	NA
##	[577]	43.86250	18.45000	12.87000	NA	NA	13.32000
##	[583]	9.60000	7.54000	8.64000	6.48000	7.83000	2.72000
##	[589]	2.55000	1.65000	4.32000	9.44000	7.56000	8.74000
##	[595]	9.61000	15.36000	5.85000	4.20000	3.78000	2.08000
##	[601]	1.26500	3.09600	NA	NA	NA	NA
##	[607]	1.82000	2.48000	2.08000	3.78000	3.64000	1.76800
##	[613]	0.14000	0.48000	1.54000	1.35000	1.80000	1.43000
##	[619]	1.68000	2.89000	2.24000	4.11450	2.40000	2.52000
##	[625]	3.24000	5.46000	4.60000	3.22000	5.04000	1.56000
##	[631]	1.44000	0.39600	1.15000	1.43000	3.99000	0.81000
##	[637]	10.36000	22.56000	16.32000	11.47000	27.44000	5.88000
##	[643]	3.51500	3.23000	5.50000	7.84000	5.40000	2.28000
##	[649]	2.21000	3.15000	6.96000	8.68000	NA	NA
##	[655]	NA	NA	10.24000	10.88000	12.48000	11.10000
##	[661]	8.64000	1.53400	NA	1.92000	6.00000	NA
##	[667]	6.72000	7.28000	6.24000	4.75000	NA	5.03440
##	[673]	8.37000	5.52000	6.25000	7.39500	11.96520	10.62000
##	[679]	10.44000	8.06000	21.03750	0.62500	0.45000	NA
##	[685]	NA	NA	9.60750	12.54000	15.37500	8.40000
##	[691]	14.82000	8.55000	6.50000	10.07500	9.18000	9.28000
##	[697]	21.99500	16.28000	19.68000	15.30000	29.15000	10.23750
##	[703]	7.54000	5.67000	6.00000	10.88000	11.36000	13.50000
##	[709]	8.37000	12.24000	16.80000	2.31000	3.60750	4.40000
##	[715]	NA	NA	3.33250	6.00000	5.63500	15.36000
##	[721]	6.48000	3.99750	3.80000	2.80000	3.23000	1.69000
##	[727]	2.85000	2.46500	3.44000	3.74000	4.68000	4.83750
##	[733]	6.75750	10.24000	9.80000	10.88000	7.55250	9.90000
##	[739]	9.52000	12.00000	16.20000	6.98250	7.07600	8.40000
##	[745]	14.04000	8.99000	1.93750	2.28200	6.76000	5.75000
##	[751]	9.30000	14.63000	14.62000	15.60000	23.86300	14.35000
##	[757]	3.23000	6.06900	4.50000	7.75000	8.40000	5.80000
##	[763]	3.42000	6.12000	9.60000	9.80000	12.77500	13.86000
##	[769]	19.11000	15.96000	23.97000	1.14000	1.15000	2.10000
##	[775]	2.24000	2.40000	2.68250	3.57000	5.06000	5.60000
##	[781]	7.50000	10.40000	10.23000	14.40000	17.55000	NA
##	[787]	4.61250	7.14000	6.60000	10.56000	11.20000	0.85500

##	[793]	2.32000	3.30000	9.90000	5.67000	5.00000	5.26750
##	[799]	6.67000	10.88000	5.04000	1.14000	1.10000	1.44000
##	[805]	1.32000	1.95000	1.25000	1.23500	1.74000	1.87000
##	[811]	3.06000	3.51000	3.79250	3.70000	4.60000	4.83000
##	[817]	5.16750	5.98500	7.80000	10.89000	7.25000	2.24000
##	[823]	3.80250	8.74000	9.88000	7.56000	5.74000	9.54000
##	[829]	10.22000	14.04000	19.78000	6.63750	8.40750	6.24000
##	[835]	11.07000	12.80000	1.16480	1.47500	2.03000	4.64000
##	[841]	4.20000	16.65200	16.60600	14.82000	15.96000	19.20000
##	[847]	3.28000	2.45050	2.94500	7.02000	5.80000	4.29000
##	[853]	10.85000	11.40000	6.25000	7.80000	7.68500	5.75000
##	[859]	9.86000	9.50000	5.52000	5.51250	4.20240	6.89000
##	[865]	5.80000	9.57000	2.40500	2.52000	4.16000	3.00000
##	[871]	3.20000	6.70000	8.70000	8.06000	5.75000	10.88000
##	[877]	3.97750	2.80000	4.62500	6.24000	9.28000	2.48000
##	[883]	2.41400	3.20000	6.48000	4.18000	19.88670	26.50000
##	[889]	53.90000	65.60000	3.56500	NA	NA	7.24500
##	[895]	13.45500	11.02000	20.68000	23.52000	6.49000	6.40000
##	[901]	7.01500	8.25000	6.82000	1.49600	1.82000	3.06000
##	[907]	4.60000	5.46000	NA	8.21500	6.89000	8.70000
##	[913]	8.58000	7.83000	5.40500	7.42000	8.12000	11.90000
##	[919]	15.04700	8.66250	9.92000	9.60000	15.17000	11.39000
##	[925]	5.69750	7.02000	7.00000	5.50000	8.72620	5.63500
##	[931]	3.40000	10.50000	18.48000	38.16000	28.58250	35.28000
##	[937]	55.44000	55.38000	51.02500	12.07000	11.88000	19.68000
##	[943]	9.12000	16.40000	20.01000	8.64000	18.06000	14.00000
##	[949]	20.21000	8.83500	5.29000	9.92000	8.41000	6.12500
##	[955]	2.12750	3.23000	3.57000	7.25000	6.47280	6.77250
##	[961]	18.06000	18.90000	28.62000	43.82950	28.30500	27.00000
##	[967]	20.25000	30.60000	28.68800	1.15500	2.96000	3.51000
##	[973]	10.80000	13.72000	49.35000	64.78000	70.47000	73.32000
##	[979]	62.36640	15.92500	16.60500	28.06000	40.70000	63.14000
##	[985]	63.24500	77.31750	50.46000	78.30000	126.14000	5.14500
##	[991]	10.14000	11.34000	16.38000	24.96000	1.71200	3.04000
##	[997]	5.46000	6.16000	7.54000	7.15000	23.40000	26.40000
##	[1003]	28.67000	27.97080	1.20000	1.69000	84.63000	1.10000
##	[1009]	4.95000	11.39000	26.00000	25.44000	14.40000	14.22840
##	[1015]	2.02500	4.42000	7.70000	18.48000	15.94440	1.71250
##	[1021]	4.18000	9.52000	15.48000	8.23680	3.15000	10.44000
##	[1027]	13.60000	14.40000	17.28000	0.33000	0.42000	1.68000
##	[1033]	6.21000	5.18400	3.51500	2.40000	5.60000	7.02000
##	[1039]	4.51800	2.97000	4.80000	6.16000	5.00000	4.98520
##	[1045]	17.82000	12.80200	9.80000	7.83000	13.28940	13.00000
##	[1051]	NA	7.54000	6.21000	11.85700	1.82000	1.59900
##	[1057]	2.72000	1.20000	1.45600	55.30000	54.29000	132.16000
##	[1063]	114.00000	78.95920	16.12100	16.97500	31.32000	23.18000
##	[1069]	46.92000	1.66800	3.04000	6.16000	5.20000	6.31800
##	[1075]	2.46750	1.60800	3.00000	1.74200	2.82900	3.61920
##	[1081]	3.36520	6.44000	5.91250	11.52000	5.68960	9.30000
##	[1087]	12.92000	15.99000	17.86000	2.17500	2.24000	3.60000
##	[1093]	3.52000	6.08790	12.12750	12.16000	16.38000	12.09000
##	[1099]	23.86800	5.98000	7.00000	9.80000	12.21000	18.31750
##	[1105]	19.14830	18.72000	26.40000	12.96000	30.80000	2.52000
##	[1111]	3.36000	5.88000	5.40000	8.34400	3.00000	4.30500

## [1117]	2.52000	6.21000	4.66400	6.44000	6.16000	5.50000
## [1123]	6.72000	8.23440	4.62000	4.20000	6.88500	6.24000
## [1129]	6.96150	2.10000	3.23000	6.38000	5.75000	8.99000
## [1135]	3.36000	1.95000	3.42000	3.36000	4.14000	8.58000
## [1141]	14.16000	15.17000	15.36000	18.90000	4.20000	3.44000
## [1147]	5.98000	5.04000	8.99000	4.32000	13.12000	3.15000
## [1153]	7.28000	5.25000	13.20000	8.96000	22.26000	17.28000
## [1159]	31.35000	9.24000	3.04000	5.04000	9.62000	15.60000
## [1165]	5.75000	6.16000	9.28000	12.80000	10.60800	3.33000
## [1171]	3.51500	6.50000	7.50000	8.68000	2.59000	3.78000
## [1177]	7.83000	NA	8.97600	2.10000	2.70000	4.62000
## [1183]	8.16000	7.20000	6.61500	5.98000	11.52000	15.12000
## [1189]	16.04400	2.88000	3.57000	5.04000	8.40000	14.87700
## [1195]	4.80000	5.98000	9.28000	14.04000	17.83500	2.10000
## [1201]	2.40000	5.25000	7.28000	6.44000	0.70000	1.04500
## [1207]	1.54000	3.78000	5.48800	4.80000	5.52000	8.19000
## [1213]	2.52000	3.99000	1.30000	2.02500	3.23000	7.36000
## [1219]	10.69200	1.10000	1.50000	1.82000	2.24000	2.75400
## [1225]	2.10000	4.20000	5.72000	4.42000	6.00300	4.27500
## [1231]	3.42000	5.52000	13.53000	12.09000	1.72700	2.24000
## [1237]	7.25000	4.56000	6.76800	2.55000	7.54000	9.28000
## [1243]	8.06000	13.18400	5.00000	7.77500	7.00000	11.22000
## [1249]	17.85000	3.24000	0.84600	0.70000	0.48000	0.38850
## [1255]	14.96000	10.20000	7.56000	18.48000	17.55000	4.77120
## [1261]	4.20000	8.70000	8.68000	9.45500	2.00100	4.42800
## [1267]	6.72000	8.32000	8.28000	5.29000	4.41000	6.16000
## [1273]	7.44000	9.45500	21.82500	NA	15.36000	24.00000
## [1279]	28.56000	13.20000	22.88000	61.20000	19.78000	25.49330
## [1285]	5.46000	7.54000	9.28000	13.86000	16.80000	6.34500
## [1291]	4.40000	7.04000	10.56000	13.53000	5.14500	3.80000
## [1297]	6.50000	7.28000	6.48000	5.05250	6.48000	9.52000
## [1303]	7.28000	4.14000	3.67500	4.62000	3.78000	6.72000
## [1309]	6.09500	6.36000	13.00000	15.58000	9.86000	14.82000
## [1315]	5.17500	4.18000	5.00000	10.20000	7.70000	10.52250
## [1321]	NA	NA	NA	NA	1.68000	1.04500
## [1327]	1.17000	21.60000	16.65000	6.38000	8.06000	11.47000
## [1333]	9.92000	11.22000	2.45000	3.78000	5.75000	7.28000
## [1339]	7.44000	4.38750	4.42000	9.86000	5.13000	9.76500
## [1345]	9.96600	12.02500	6.66000	9.88000	8.99000	1.62640
## [1351]	2.03000	2.30000	5.25000	5.04000	1.11000	1.37500
## [1357]	0.66000	1.56000	1.95000	1.59600	0.52250	0.66000
## [1363]	NA	0.51000	2.34000	6.40500	2.04000	5.40000
## [1369]	4.62000	1.55250	1.32000	2.28000	2.34000	2.72000
## [1375]	1.00000	1.62750	0.52000	2.40000	2.80000	1.82000
## [1381]	1.44000	0.65000	1.10000	2.21000	2.66000	1.50000
## [1387]	1.60000	1.65000	3.06000	0.99000	0.41250	0.00000
## [1393]	2.38000	0.73500	1.75000	1.38000	3.96000	0.88000
## [1399]	0.24000	3.96000	4.37500	5.60000	7.13000	4.83000
## [1405]	3.23000	2.61000	3.80000	1.32000	1.32000	5.32000
## [1411]	NA	3.42000	2.72000	1.50000	6.08000	7.00000
## [1417]	8.37000	7.13000	3.70500	1.03500	1.20000	1.20000
## [1423]	1.68000	0.95000	8.10000	18.67500	16.40000	16.10000
## [1429]	10.38500	1.35000	1.82000	6.44000	3.45000	3.23000
## [1435]	2.38000	1.38000	3.06000	2.10000	1.10000	3.08460

## [1441]	2.55000	4.18000	5.28000	6.44000	3.08320	3.80000
## [1447]	4.56000	5.67000	6.50000	2.37600	2.97500	4.80000
## [1453]	4.37000	4.09500	4.51000	6.89000	1.26000	5.72000
## [1459]	2.60000	8.20750	10.50000	13.60000	16.40000	14.82000
## [1465]	2.04600	1.82000	1.04000	8.32000	1.32000	3.82200
## [1471]	4.62000	3.80000	6.38000	4.50000	0.74800	1.30000
## [1477]	1.38000	2.55000	1.95750	19.59600	19.80000	20.00000
## [1483]	17.64000	21.93000	1.04040	1.26500	1.68000	3.99000
## [1489]	2.08000	0.18000	NA	0.02000	NA	0.38500
## [1495]	11.40000	17.48000	14.62000	21.15000	24.99000	10.91500
## [1501]	11.84000	10.88000	15.17000	17.22000	7.82000	9.90000
## [1507]	15.99000	8.32000	20.09000	5.75000	7.83000	12.92000
## [1513]	15.99000	22.54000	12.24000	14.00000	13.86000	15.96000
## [1519]	30.68000	2.88000	5.50000	6.16000	6.38000	7.75000
## [1525]	10.50000	11.16000	14.52000	13.20000	24.00000	2.47500
## [1531]	4.60000	6.00000	7.44000	13.86000	2.70000	6.38000
## [1537]	9.24000	9.92000	5.75000	3.14500	6.37500	9.30000
## [1543]	15.99000	21.07000	1.75000	2.88000	4.18000	8.06000
## [1549]	14.04000	15.17000	17.60000	33.06000	28.42000	39.00000
## [1555]	2.38000	3.80000	9.69000	7.39500	13.76000	2.73000
## [1561]	11.88000	11.61000	17.48000	19.68000	2.17000	6.11000
## [1567]	8.68000	12.37500	13.32000	2.70000	8.12000	10.88000
## [1573]	14.04000	8.00000	3.31500	5.72000	10.56000	18.06000
## [1579]	15.96000	11.52000	10.93680	21.62000	14.40000	17.63000
## [1585]	1.88500	5.40000	11.16000	12.16000	19.74000	11.20000
## [1591]	15.20000	26.52000	27.36000	35.99000	2.17000	7.20000
## [1597]	11.47000	9.52000	11.16000	5.28000	9.57000	10.54000
## [1603]	13.30000	24.99000	2.34000	8.40000	8.75000	14.76000
## [1609]	11.16000	2.08000	5.50000	5.06000	6.44000	5.06000
## [1615]	4.32000	12.92000	12.92000	15.68000	16.56400	2.25000
## [1621]	1.50000	4.08000	2.40000	5.88000	4.32000	10.08000
## [1627]	18.45000	16.28000	23.10000	0.88000	1.30000	1.65000
## [1633]	3.57000	1.92000	2.28000	6.32500	5.46000	8.00000
## [1639]	9.28000	5.25000	4.90000	10.26000	9.86000	17.22000
## [1645]	0.29000	0.81000	1.32000	3.23000	4.83000	3.93600
## [1651]	11.10000	8.88000	8.99000	10.88000	1.12200	2.03000
## [1657]	2.70000	6.25000	8.68000	1.11800	1.56000	3.45000
## [1663]	6.21000	6.00000	1.13600	3.00000	2.40000	3.99000
## [1669]	3.91000	5.88650	7.50000	4.94000	2.31000	13.32000
## [1675]	5.27040	5.67000	9.57000	9.45000	14.80000	1.81440
## [1681]	4.62000	8.32000	6.50000	8.99000	1.32250	4.40000
## [1687]	10.88000	9.24000	11.31000	10.08000	7.65000	23.97000
## [1693]	31.36000	21.62000	3.01760	5.50000	13.53000	12.24000
## [1699]	11.20000	0.79200	1.45000	3.60000	3.04000	4.14000
## [1705]	2.62350	5.98000	6.75000	6.66500	7.92000	0.31500
## [1711]	1.10000	3.57000	12.95000	9.28000	4.75240	5.25000
## [1717]	7.56000	7.68000	8.70000	3.31740	5.32000	8.68000
## [1723]	11.90000	13.12000	0.48880	0.45000	0.78000	8.25000
## [1729]	0.72000	0.78720	2.21000	3.99000	3.91300	4.20000
## [1735]	20.16000	20.70000	5.20000	26.75100	29.12000	4.27040
## [1741]	4.48000	10.56000	20.77600	17.68000	4.14470	7.28000
## [1747]	9.86000	11.62500	11.48000	4.44000	1.75000	NA
## [1753]	NA	NA	1.84870	3.80000	3.99000	4.79700
## [1759]	7.54000	1.64980	4.18000	3.23000	3.88500	4.18000

## [1765]	6.07500	5.06000	8.99000	9.60000	10.23000	10.88000
## [1771]	10.50000	15.17000	16.72000	11.76000	7.15500	10.85000
## [1777]	16.38000	16.32000	17.50000	10.54000	11.88000	15.48000
## [1783]	17.16000	17.10000	6.75000	6.00000	9.57000	13.94000
## [1789]	10.50000	3.90000	4.62000	9.90000	9.80000	5.98000
## [1795]	4.94500	7.44000	15.17000	8.70000	5.75000	6.24000
## [1801]	10.23000	14.43000	18.00000	21.50000	7.15000	10.54000
## [1807]	15.54000	23.97000	10.50000	4.10000	5.75000	5.88000
## [1813]	13.26000	12.16000	1.68000	2.83800	7.83000	8.96000
## [1819]	10.80000	1.43750	2.56000	3.36000	3.12000	7.54000
## [1825]	8.99750	6.72080	11.22000	12.60000	16.80000	2.52000
## [1831]	5.00950	12.80000	12.16000	21.42000	3.88500	6.76000
## [1837]	12.95000	13.12000	8.68000	3.87000	5.06250	12.87000
## [1843]	9.00000	26.00000	3.51000	3.40000	7.00000	6.08000
## [1849]	10.23000	8.96000	5.75000	6.25000	14.00000	11.20000
## [1855]	2.24000	3.23000	6.44000	7.80000	7.28000	2.52000
## [1861]	3.20000	7.83000	18.33000	12.25000	1.74460	2.89000
## [1867]	7.50000	8.40000	6.48000	3.09400	6.96000	11.10000
## [1873]	8.68000	8.40000	7.29000	18.92000	16.34000	12.95000
## [1879]	16.80000	2.81240	3.06000	9.10000	6.21000	8.40000
## [1885]	5.19140	4.80000	11.16000	12.16000	NA	4.74430
## [1891]	3.70500	6.96000	8.00000	4.40000	5.26500	9.72000
## [1897]	11.20000	10.08000	19.78000	1.47290	2.56000	4.00000
## [1903]	3.06000	8.10000	2.66000	3.30000	7.00000	9.24000
## [1909]	6.21000	3.99750	8.40000	12.95000	10.54000	13.68000
## [1915]	1.50100	2.55000	2.73000	4.18000	5.04000	11.98520
## [1921]	9.57000	12.54000	10.44000	12.60000	3.87000	5.75000
## [1927]	4.60000	4.94000	1.51250	1.84600	1.95000	3.23000
## [1933]	4.83000	5.52000	1.66050	3.33000	2.55000	2.52000
## [1939]	2.24000	16.87300	19.74000	12.71000	15.91000	12.96000
## [1945]	0.86900	1.10000	2.70000	2.66000	2.88000	2.09920
## [1951]	2.34000	3.23000	6.24000	7.83000	2.46750	2.40000
## [1957]	2.08000	5.50000	3.40000	9.04400	14.35000	15.91000
## [1963]	13.44000	10.89000	1.03500	2.55000	4.56000	3.80000
## [1969]	5.94000	1.95000	2.85000	4.60000	5.46000	6.16000
## [1975]	4.10000	6.24000	7.02000	7.20000	8.68000	3.19000
## [1981]	6.30000	5.04000	7.50000	8.10000	0.88200	1.52000
## [1987]	1.95000	2.28000	5.72000	2.24000	3.60000	3.60000
## [1993]	7.80000	6.48000	9.42500	11.78000	14.35000	8.25000
## [1999]	14.00000	15.96000	19.78000	33.63000	16.34000	32.00000
## [2005]	2.52320	4.83750	7.75000	7.80000	14.88000	14.07600
## [2011]	18.33000	34.68000	17.20000	18.86000	0.77250	0.52000
## [2017]	NA	NA	NA	3.09720	4.40000	8.68000
## [2023]	6.76000	7.84000	3.00300	3.63000	6.72000	6.82000
## [2029]	10.56000	1.67700	1.66250	2.70000	1.76000	4.62000
## [2035]	1.66400	2.32500	3.96000	2.70000	4.62000	2.75520
## [2041]	2.97000	4.32000	5.37500	4.40000	0.59500	1.13300
## [2047]	1.95000	3.99000	4.83000	0.73870	1.38000	2.24000
## [2053]	2.38000	3.60000	2.19090	2.50000	3.30000	3.20000
## [2059]	2.70000	1.08100	0.94500	1.32000	1.56000	0.90000
## [2065]	0.85500	1.95000	3.80000	5.50000	6.44000	8.82000
## [2071]	7.83000	13.26000	11.84000	16.80000	10.07500	14.25000
## [2077]	16.40000	16.65000	17.68000	1.32000	2.72000	3.80000
## [2083]	8.12000	10.20000	5.59000	2.38000	3.78000	4.00000

## [2089]	4.83000	5.86500	6.24000	7.13000	9.92000	11.16000
## [2095]	3.07500	5.20000	10.56000	11.22000	10.88000	6.48000
## [2101]	9.45500	10.56000	11.10000	13.20000	5.04000	7.28000
## [2107]	7.83000	9.52000	7.80000	2.24000	3.99000	7.25000
## [2113]	6.16000	4.84000	5.56500	7.25580	17.63000	11.20000
## [2119]	14.80000	2.47000	5.35500	10.44000	11.84000	9.24000
## [2125]	8.99000	9.72000	18.13000	15.30000	13.68000	3.57000
## [2131]	3.41040	8.70000	9.92000	8.70000	5.52000	6.67000
## [2137]	10.23000	12.40000	17.48000	15.51000	17.94000	20.91000
## [2143]	25.76000	44.16000	2.16000	2.17000	2.40000	2.08000
## [2149]	3.99000	12.09000	10.08000	11.84000	NA	NA
## [2155]	3.06000	4.20000	6.60000	4.96000	7.25000	15.17000
## [2161]	13.98600	32.86000	22.26000	28.05000	2.85000	5.76000
## [2167]	9.28000	11.88000	8.37000	4.32000	4.32000	6.93000
## [2173]	8.70000	7.00000	3.51000	2.72000	4.59000	7.28000
## [2179]	4.56000	1.80000	3.00000	3.04000	3.36000	3.99000
## [2185]	1.26000	1.75000	5.04000	5.59000	12.16000	2.08000
## [2191]	2.70000	4.14000	2.85000	0.27000	2.08000	3.60000
## [2197]	4.41000	5.20000	5.94000	3.99000	6.50000	11.70000
## [2203]	12.96000	14.80000	5.32000	10.73000	24.99000	21.56000
## [2209]	11.52000	1.26000	2.29500	5.50000	4.56000	5.04000
## [2215]	2.53980	1.30000	2.10000	3.23000	3.42000	8.87600
## [2221]	12.96000	12.24000	17.64000	15.12000	3.02400	3.78000
## [2227]	7.36000	2.80000	2.40000	7.42000	11.88000	14.40000
## [2233]	10.23000	12.95000	4.90200	4.84000	4.20000	6.25000
## [2239]	5.52000	1.16600	1.32000	2.24000	2.40000	2.85000
## [2245]	2.41380	2.70000	5.88000	5.94000	5.50000	8.55000
## [2251]	7.83000	8.70000	5.29000	8.00000	1.35720	2.55000
## [2257]	3.99000	4.83000	5.94000	2.18550	1.43750	3.96000
## [2263]	5.25000	5.06000	9.73500	11.55000	15.96000	15.20000
## [2269]	13.86000	3.76740	5.46000	13.68000	9.00000	11.22000
## [2275]	19.88500	18.80000	35.75000	34.02000	44.20000	29.62860
## [2281]	32.50000	33.66000	53.25000	39.05000	8.31040	11.02000
## [2287]	9.88000	11.60000	13.44000	5.01600	7.54000	15.12000
## [2293]	23.37000	20.24000	32.36310	17.49000	25.44000	36.96000
## [2299]	24.44000	7.70000	7.13000	6.38000	3.57000	12.60000
## [2305]	4.41000	7.28000	9.28000	8.99000	17.63000	3.31800
## [2311]	4.20000	4.62000	NA	NA	3.88500	5.98000
## [2317]	NA	8.40000	NA	17.16000	17.48000	5.28000
## [2323]	14.04000	14.26000	18.45000	19.20000	22.56000	29.70000
## [2329]	24.50000	3.52000	3.40000	7.56000	10.20000	7.82000
## [2335]	8.68000	7.56000	14.40000	13.20000	10.85000	8.06000
## [2341]	11.20000	11.10000	NA	13.86000	10.92420	7.56000
## [2347]	5.51000	NA	NA	1.50000	1.89000	2.10000
## [2353]	2.88000	8.99000	2.85000	2.25000	1.35000	3.45000
## [2359]	3.06000	6.00000	7.89610	10.64000	10.73000	23.78000
## [2365]	8.40000	7.29000	11.22000	13.05000	16.92000	2.09000
## [2371]	1.71610	3.60000	3.80000	4.62000	4.11080	4.41000
## [2377]	5.72000	1.56000	2.88000	1.89000	5.76000	9.00000
## [2383]	3.20000	5.75000	13.68000	16.81000	24.38000	11.70000
## [2389]	10.56000	7.80000	4.84000	8.58000	2.24000	NA
## [2395]	8.21500	26.01000	18.13000	16.28000	19.38000	8.05000
## [2401]	11.22000	8.96000	9.43500	5.98000	7.00000	9.00000
## [2407]	7.83000	4.80000	8.91000	4.94500	7.92000	6.16000



## [2413]	3.67500	5.04000	11.20000	11.52000	18.45000	11.72500
## [2419]	4.62000	7.68000	6.50000	6.09000	5.87500	6.50000
## [2425]	4.90000	7.25000	8.28000	10.56000	7.75000	3.23000
## [2431]	1.95000	2.55000	1.59500	0.88000	7.20000	4.68000
## [2437]	2.66000	3.45000	2.55000	2.88000	7.44000	2.08000
## [2443]	0.60000	2.08000	8.06000	7.44000	9.60000	7.68500
## [2449]	6.44000	1.43000	1.38000	0.99000	1.32000	2.88000
## [2455]	10.80000	14.76300	15.17000	7.14000	11.16000	0.88000
## [2461]	1.08000	1.68000	5.25000	2.60000	9.52000	11.52400
## [2467]	10.73000	9.60000	13.68000	1.63350	1.66800	2.38000
## [2473]	1.40000	1.32000	8.64000	6.00240	7.25000	2.88000
## [2479]	10.23000	4.71750	5.44000	4.68000	3.60000	4.18000
## [2485]	6.52500	2.08000	2.25000	0.48000	1.08000	3.78000
## [2491]	4.20000	4.20000	3.23000	3.78000	0.80500	0.76500
## [2497]	7.20000	NA	NA	3.78000	2.40000	3.00000
## [2503]	1.49500	3.61000	19.60000	21.42000	40.42000	13.33000
## [2509]	30.60000	19.98000	24.80000	39.05000	24.91000	35.38000
## [2515]	8.64000	1.00000	2.16000	NA	NA	1.25000
## [2521]	1.95000	2.34000	1.43000	NA	3.14500	5.50000
## [2527]	3.15000	9.00000	4.83000	3.67500	4.62000	3.20000
## [2533]	8.10000	5.25000	7.68000	10.56000	13.33000	14.43000
## [2539]	14.04000	5.80000	9.24000	11.52000	14.43000	8.68000
## [2545]	17.00000	9.18000	15.05000	22.00000	23.32000	5.51250
## [2551]	11.52000	12.58000	24.50000	17.63000	6.78500	10.23000
## [2557]	13.12000	16.28000	17.63000	10.26000	11.84000	13.20000
## [2563]	18.80000	13.52000	2.72000	5.29000	7.25000	9.30000
## [2569]	5.25000	40.15000	47.57000	27.00000	60.00000	37.95000
## [2575]	3.72000	17.80200	27.44000	27.50000	34.02000	7.44000
## [2581]	8.00000	16.38000	15.60000	12.95000	9.72000	12.14010
## [2587]	12.24000	23.46000	16.34000	3.38000	6.90000	3.99000
## [2593]	12.16000	5.52000	3.69000	7.75000	9.99000	28.42000
## [2599]	13.78000	13.26000	10.88000	17.16000	25.50000	20.67000
## [2605]	16.56000	15.58000	20.58000	51.75000	31.11000	4.72500
## [2611]	8.26500	11.55000	23.03000	11.52000	8.00000	12.92000
## [2617]	23.52000	20.21000	18.20000	9.86000	17.22000	21.84000
## [2623]	22.54000	23.46000	3.04000	12.60000	5.44000	22.50000
## [2629]	15.05000	8.50000	8.40000	13.60000	19.00000	11.55000
## [2635]	7.22400	7.03000	12.09000	11.20000	14.76000	10.71000
## [2641]	20.09000	9.90000	31.86000	13.86000	3.85000	8.96000
## [2647]	5.75000	10.20000	12.16000	13.30420	22.54000	8.58000
## [2653]	33.00000	18.13000	13.54500	6.84000	14.35000	14.80000
## [2659]	4.93000	4.95000	4.25000	13.86000	17.50000	16.38000
## [2665]	7.83000	6.72000	9.86000	12.00000	8.37000	4.68000
## [2671]	7.80000	9.90000	9.60000	9.24000	6.90000	6.38000
## [2677]	4.32000	11.70000	3.78000	2.49750	2.21000	2.24000
## [2683]	3.45000	2.88000	8.40000	15.60000	14.04000	18.00000
## [2689]	10.44000	6.09000	6.00000	8.99000	12.25000	6.21000
## [2695]	1.78250	3.80000	3.23000	7.50000	7.20000	8.91000
## [2701]	10.89000	17.16000	13.32000	14.70000	3.88500	5.46000
## [2707]	6.21000	10.50000	8.10000	1.08000	1.43000	2.72000
## [2713]	5.88000	3.57000	5.85000	7.02000	7.02000	12.24000
## [2719]	11.16000	3.48500	5.04000	5.04000	8.10000	5.46000
## [2725]	17.39000	25.92000	23.97000	42.00000	21.93000	14.58000
## [2731]	13.12000	21.83000	28.50000	24.96000	2.43000	6.00000

## [2737]	4.56000	NA	7.35000	2.14500	1.32000	2.85000
## [2743]	3.52000	3.20000	0.38480	NA	NA	NA
## [2749]	NA	10.81990	12.95000	14.35000	10.88000	9.34400
## [2755]	11.84000	9.92000	13.87500	12.24000	24.48000	8.06000
## [2761]	6.48000	7.83000	10.88000	10.91500	25.97000	19.74000
## [2767]	25.48000	24.48000	29.14000	9.24000	13.26000	11.52000
## [2773]	13.53000	17.85600	7.48000	7.25000	7.56000	4.37000
## [2779]	5.09600	11.02000	10.40000	15.50000	15.58000	28.56000
## [2785]	10.15000	13.68000	13.50000	19.74000	23.40800	10.50000
## [2791]	12.92000	12.89750	15.96000	15.53630	8.06000	5.72000
## [2797]	7.08000	7.54000	11.07600	2.14320	6.16000	7.28000
## [2803]	23.50000	10.92000	4.41000	40.70000	7.39500	42.24000
## [2809]	16.77000	36.85000	44.88000	48.91000	35.51000	49.40000
## [2815]	11.73000	9.92000	8.68000	14.28000	19.89000	3.78000
## [2821]	4.18000	4.30000	4.60000	9.28000	3.42000	8.40000
## [2827]	11.20000	9.30000	11.78600	24.91000	42.78000	39.59000
## [2833]	37.80000	38.43000	2.76000	3.60000	6.12500	6.60000
## [2839]	5.67000	5.28000	6.72000	7.20000	7.50000	11.71200
## [2845]	3.60000	6.16000	6.75000	8.37000	11.02000	4.18000
## [2851]	5.00000	7.83000	3.23000	2.48000	8.06000	11.20000
## [2857]	21.46500	13.50000	18.36000	0.85500	9.28000	12.42000
## [2863]	9.99000	12.41000	1.32000	2.10000	2.96000	1.95000
## [2869]	3.96000	8.91000	12.24000	10.45000	13.30000	13.45500
## [2875]	1.50000	1.95000	4.30500	3.36000	7.91700	2.68380
## [2881]	5.28000	6.75000	5.98000	4.62000	8.45000	10.12000
## [2887]	17.22000	14.70000	15.17000	8.68000	15.60000	13.11000
## [2893]	24.38000	16.13850	5.94000	9.80000	15.17000	17.39000
## [2899]	15.96000	3.76000	1.56000	9.35000	6.24000	4.96800
## [2905]	1.61000	1.56000	3.74000	5.40000	6.60000	0.68000
## [2911]	0.76000	1.26000	3.99000	2.88260	1.53000	2.40000
## [2917]	3.51500	7.54000	5.88690	2.27970	4.62000	6.09500
## [2923]	7.80000	7.48800	12.09000	15.48000	10.26000	7.26000
## [2929]	13.95000	8.06000	6.50000	10.54000	8.96000	4.37000
## [2935]	1.91800	5.52000	8.99000	5.50000	9.89100	1.44970
## [2941]	5.75000	4.71500	7.28000	3.51000	12.39750	12.60000
## [2947]	11.93500	6.48000	9.13500	20.74070	39.00000	26.00750
## [2953]	24.96000	33.92000	0.72000	1.50000	3.06000	5.52000
## [2959]	11.22000	15.48000	25.92000	21.84000	24.75000	25.20000
## [2965]	16.98500	13.65000	21.07000	18.70000	19.78000	20.14000
## [2971]	5.04000	7.02000	8.64000	21.62000	27.54000	24.99000
## [2977]	22.95000	40.20000	36.85000	4.83000	8.40000	7.83000
## [2983]	11.90000	22.08000	16.56000	16.28000	13.76000	10.20000
## [2989]	24.48000	5.40500	4.75000	5.98000	6.50000	14.43000
## [2995]	17.16000	9.28000	16.80000	3.91000	21.12000	18.17000
## [3001]	4.68000	5.40000	3.96000	9.60000	8.37000	10.50000
## [3007]	8.68000	8.12000	14.44000	4.60000	17.63000	22.95000
## [3013]	30.25000	32.24000	22.36000	15.48000	9.46000	16.40000
## [3019]	28.60000	3.67500	3.99000	4.64000	4.56000	11.20000
## [3025]	9.52000	7.68000	8.40000	5.04000	19.11000	7.44000
## [3031]	13.87500	9.45000	NA	NA	7.14000	3.80000
## [3037]	10.22000	10.14000	20.24000	39.75000	48.36000	67.20000
## [3043]	41.60000	46.74000	38.08000	28.17500	35.51000	28.67000
## [3049]	35.96000	22.04000	7.42500	7.56000	9.24000	20.91000
## [3055]	3.24000	5.40500	8.40000	7.54000	21.12000	3.52000

## [3061]	3.04000	5.32000	13.26000	18.86000	5.04000	11.22000
## [3067]	13.94000	13.20000	23.92000	1.26000	0.60000	0.90000
## [3073]	6.00000	6.50000	1.72500	3.20000	6.82000	10.88000
## [3079]	19.20000	1.62500	2.40000	2.40500	1.43000	NA
## [3085]	5.25000	5.25000	6.12500	6.62500	9.30000	2.47000
## [3091]	3.78000	3.70500	1.68000	6.16000	1.26500	1.56000
## [3097]	2.38000	3.60000	6.76000	3.40000	3.96000	5.50000
## [3103]	4.75000	7.25000	0.27500	0.32000	0.30000	1.54000
## [3109]	2.21000	3.50000	3.99000	5.50000	4.62000	9.92000
## [3115]	2.80000	2.89000	5.46000	6.72000	11.47000	1.65000
## [3121]	1.56000	3.06000	2.52000	6.21000	1.37500	2.56000
## [3127]	2.40000	3.60000	6.72000	1.43000	2.55000	1.74000
## [3133]	1.54000	3.60000	5.86500	7.44000	8.40000	6.00000
## [3139]	12.60000	9.54000	13.60000	27.50000	29.12000	53.76000
## [3145]	1.86000	1.80000	3.99000	3.80000	6.38000	0.76000
## [3151]	0.76500	1.00800	NA	NA	1.03500	1.32000
## [3157]	1.08000	2.88000	2.88000	19.32000	21.60000	28.80000
## [3163]	19.27000	38.43000	20.80000	19.45800	16.50000	24.19000
## [3169]	35.36000	7.65000	10.56000	22.88000	17.55000	33.15000
## [3175]	5.14500	11.22000	11.00000	13.60000	17.48000	8.34750
## [3181]	9.30000	10.08000	13.76000	20.24000	11.60000	20.70000
## [3187]	29.16000	20.68000	39.06000	19.68000	18.06000	26.40000
## [3193]	17.60000	18.92000	10.54000	12.60000	11.88000	22.50000
## [3199]	22.08000	15.54000	19.32000	33.70500	31.32000	25.20000
## [3205]	17.22000	23.03000	16.80000	17.60000	13.80000	2.94500
## [3211]	4.18000	8.64000	4.40000	7.28000	2.28000	2.04000
## [3217]	3.20000	3.52000	5.28000	8.99000	7.25000	6.84000
## [3223]	5.94000	NA	14.08000	13.94000	NA	24.20000
## [3229]	NA	3.91000	7.02000	5.72000	NA	NA
## [3235]	7.84000	NA	50.92000	46.02000	68.89000	25.96000
## [3241]	28.62000	29.58000	NA	40.92000	2.34000	4.71500
## [3247]	5.72000	5.52000	6.25000	2.70000	5.17500	6.48000
## [3253]	4.60000	9.92000	7.56000	4.14000	5.75000	7.56000
## [3259]	NA	6.21000	6.89000	7.15000	9.52000	15.12000
## [3265]	14.57000	19.78000	14.52000	19.60000	12.92000	4.27500
## [3271]	3.40000	2.83800	1.65000	2.21000	8.70000	3.06000
## [3277]	4.60000	5.06000	3.24000	4.50000	5.67000	3.06000
## [3283]	4.20000	5.75000	3.89500	0.77000	0.70000	0.77000
## [3289]	NA	7.54000	2.38000	2.52000	2.85000	2.55000
## [3295]	3.12000	2.40000	1.92000	5.60000	4.40000	1.68000
## [3301]	1.17000	7.00000	3.20000	3.04000	5.11000	1.17000
## [3307]	3.78000	1.68000	1.56000	2.92300	2.72000	2.70000
## [3313]	2.16000	1.20000	8.96000	3.90000	10.20000	4.60000
## [3319]	4.40000	3.44000	4.08000	11.90000	6.93000	5.28000
## [3325]	1.35000	0.66500	1.10000	2.34000	2.24000	11.02000
## [3331]	14.35000	13.26000	8.96000	13.30000	2.03280	2.10000
## [3337]	3.20000	3.99000	3.80000	1.46050	1.82000	2.08000
## [3343]	2.38000	3.06000	0.28000	0.96000	1.08000	1.32000
## [3349]	2.56000	1.80000	2.17500	2.80000	1.62500	3.60000
## [3355]	2.72000	4.20000	4.18000	0.99000	3.61000	0.66000
## [3361]	1.56000	1.17000	1.80000	2.88000	0.30000	0.80000
## [3367]	1.32000	1.15000	2.56000	0.45500	NA	0.36000
## [3373]	NA	NA	19.04000	25.97000	24.96000	30.09000
## [3379]	30.24000	5.13000	8.68000	6.80000	3.99000	6.72000

##	[3385]	9.57000	14.80000	21.42000	17.55000	28.60000	70.49750
##	[3391]	131.61000	92.22000	50.22000	78.30000	18.65500	30.74000
##	[3397]	33.60000	12.58000	25.44000	6.11000	8.10000	17.16000
##	[3403]	18.00000	31.35000	10.08000	11.22000	12.91500	10.89000
##	[3409]	13.86000	10.08000	13.32000	20.24000	37.20000	24.96000
##	[3415]	6.88500	6.50000	8.26500	15.96000	31.90000	6.30000
##	[3421]	5.75000	6.72000	9.57000	12.95000	3.80000	4.62000
##	[3427]	7.00000	8.10000	8.68000	18.60000	12.87000	25.48000
##	[3433]	18.00000	14.08000	7.56000	14.04000	18.80000	18.80000
##	[3439]	16.80000	7.81750	8.10000	11.05000	12.40000	14.40000
##	[3445]	6.50000	9.30000	14.40000	11.22000	22.09000	20.58000
##	[3451]	36.54000	32.94000	33.60000	12.95000	8.83500	19.11000
##	[3457]	31.92000	20.25000	26.52000	4.27500	12.18000	8.00000
##	[3463]	17.28000	14.82000	2.97250	6.50000	8.80000	8.58000
##	[3469]	11.20000	3.15000	7.56000	10.50000	9.92000	18.06000
##	[3475]	8.19000	23.50000	16.20000	22.05000	25.44000	3.78000
##	[3481]	5.46000	6.44000	8.10000	12.24000	3.01000	12.30000
##	[3487]	23.52000	31.27000	32.00000	3.15000	7.42500	10.20000
##	[3493]	9.90000	14.44000	2.96000	7.80000	10.14000	14.80000
##	[3499]	23.52000	8.06000	10.36000	15.05000	12.40000	16.80000
##	[3505]	3.71000	4.20000	6.12000	3.80000	5.50000	2.52000
##	[3511]	8.70000	8.32000	12.30000	14.00000	3.87000	5.52000
##	[3517]	5.72000	10.50000	12.87000	3.15000	4.62000	6.93000
##	[3523]	5.00000	7.20000	2.80000	3.36000	6.00000	4.83000
##	[3529]	8.12000	1.54000	3.06000	6.63000	8.40000	9.28000
##	[3535]	6.80150	17.63000	22.56000	42.84000	49.68000	6.75000
##	[3541]	5.98000	7.54000	10.88000	17.63000	0.37500	0.30000
##	[3547]	0.70000	1.20000	1.68000	2.63340	5.28000	6.50000
##	[3553]	6.90000	10.80000	0.92150	2.17500	2.40000	18.17000
##	[3559]	5.88000	2.99250	4.92000	8.40000	8.40000	6.00000
##	[3565]	0.71610	1.20000	1.56000	4.48000	2.25000	0.74750
##	[3571]	2.10000	1.82000	1.30000	2.24000	1.56800	0.95000
##	[3577]	1.68000	2.08000	2.88000	1.98400	3.12000	3.57000
##	[3583]	6.21000	6.24000	2.57250	5.40500	4.70000	8.40000
##	[3589]	12.48000	5.94000	8.10000	7.54000	15.60000	5.28000
##	[3595]	7.00600	10.50000	9.10000	5.72000	7.80000	36.00000
##	[3601]	28.00000	22.79000	56.88000	69.66000	NA	17.77500
##	[3607]	24.44000	33.00000	31.32000	5.41500	8.37000	11.22000
##	[3613]	9.30000	14.35000	3.15000	6.44000	4.86000	10.80000
##	[3619]	11.20000	7.68000	14.06000	24.50000	20.40000	21.56000
##	[3625]	14.20000	28.60000	29.70000	36.48000	44.89000	3.84000
##	[3631]	5.28000	9.86000	7.54000	10.56000	6.34250	9.30000
##	[3637]	12.95000	11.84000	18.00000	3.78000	4.25000	4.68000
##	[3643]	14.40000	12.16000	3.64000	5.25000	9.28000	15.20000
##	[3649]	18.00000	4.80000	10.88000	19.68000	21.93000	28.60000
##	[3655]	10.56000	6.44000	10.36000	19.50000	10.88000	7.90500
##	[3661]	NA	22.50000	21.50000	31.20000	9.80000	NA
##	[3667]	36.54000	31.85000	30.72000	7.31250	NA	11.60000
##	[3673]	18.80000	36.00000	2.01500	NA	9.30000	12.60000
##	[3679]	15.20000	15.99000	NA	17.86000	35.40000	36.00000
##	[3685]	6.72000	NA	6.82000	19.60000	16.77000	18.96000
##	[3691]	NA	19.60000	31.80000	29.28000	6.24000	NA
##	[3697]	10.73000	31.90000	17.15000	6.80000	NA	6.21000
##	[3703]	32.40000	7.20000	11.38500	NA	16.38000	31.86000

## [3709]	27.56000	2.96000	9.28000	8.68000	17.00000	13.26000
## [3715]	3.23000	5.50000	5.52000	3.80000	9.90000	1.03500
## [3721]	1.82000	1.95000	3.20000	1.68000	2.24000	12.92000
## [3727]	11.84000	24.40000	16.80000	4.32000	5.46000	10.08000
## [3733]	16.00000	20.70000	1.02720	5.28000	1.54000	2.52000
## [3739]	7.00000	1.87500	5.75000	8.06000	12.48000	11.61000
## [3745]	5.40500	8.10000	10.15000	26.00000	11.02000	3.04000
## [3751]	10.15000	6.25000	9.90000	NA	4.00000	3.42000
## [3757]	5.25000	6.90000	4.40000	2.03740	3.42000	2.88000
## [3763]	4.00000	6.50000	4.24270	5.04000	6.09000	9.30000
## [3769]	8.10000	9.21150	10.88000	9.52000	9.60000	12.60000
## [3775]	4.80480	6.50000	7.80000	6.60000	8.58000	3.93750
## [3781]	8.06000	11.56000	13.33000	19.20000	2.23440	2.10000
## [3787]	2.97000	9.90000	5.06000	3.27320	5.50000	3.80000
## [3793]	9.45000	6.90000	4.62000	4.94000	2.55000	13.20000
## [3799]	11.90000	6.68850	5.20000	6.09000	11.10000	9.00000
## [3805]	3.20380	4.20000	7.83000	9.90000	4.80000	15.20000
## [3811]	NA	18.00000	26.40000	33.12000	24.78600	NA
## [3817]	41.18000	60.00000	36.00000	5.65800	NA	11.55000
## [3823]	20.00000	17.64000	27.88750	NA	27.54000	43.55000
## [3829]	62.40000	22.49100	NA	25.97000	49.68000	56.76000
## [3835]	4.18500	7.56000	12.58000	10.88000	2068.00000	9.12040
## [3841]	10.91500	15.96000	24.84000	45.56000	11.77050	17.20000
## [3847]	22.95000	19.27000	25.38000	10.49200	6.65000	19.00000
## [3853]	15.91000	23.50000	8.35050	10.88000	13.30000	9.00000
## [3859]	18.92000	8.03320	6.98250	14.40000	9.24000	15.58000
## [3865]	30.29620	41.26500	33.04000	30.60000	40.92000	1.33200
## [3871]	2.10000	4.20000	2.72000	3.60000	23.99400	20.16000
## [3877]	26.50000	34.20000	28.62000	1.21200	1.74200	1.32000
## [3883]	1.68000	4.18000	21.09580	39.65000	37.21000	44.16000
## [3889]	59.20000	15.04000	12.58000	24.00000	21.15000	24.00000
## [3895]	31.36080	38.19000	43.50000	44.80000	49.28000	26.84700
## [3901]	31.86490	34.56000	46.15000	61.32000	59.13450	42.47800
## [3907]	31.90000	68.08000	90.24000	17.42640	15.68000	14.28000
## [3913]	23.52000	22.08000	9.89080	10.23000	16.40000	13.69000
## [3919]	18.49000	14.76000	11.07200	13.65000	12.40000	18.48000
## [3925]	11.93700	14.06000	26.95000	23.52000	43.52000	6.41200
## [3931]	7.50000	9.00000	5.98000	9.00000	6.55000	6.48000
## [3937]	8.00000	14.43000	16.80000	2.55000	2.08000	1.56000
## [3943]	2.30000	6.76000	5.85550	5.75000	5.98000	6.00000
## [3949]	7.68000	4.08240	5.25000	10.23000	11.52000	6.50000
## [3955]	1.49000	2.24000	1.68000	0.80000	1.69000	1.77000
## [3961]	3.20000	2.52000	2.40000	4.18000	1.28400	1.82000
## [3967]	0.72000	1.32000	2.20000	1.05000	1.20000	1.43000
## [3973]	4.80000	5.20000	3.64450	6.60000	5.04000	9.80000
## [3979]	20.21000	4.60000	6.42200	6.75000	5.40000	7.54000
## [3985]	1.80000	2.94000	4.60000	7.00000	4.00000	8.03600
## [3991]	7.25000	11.04000	10.56000	23.52000	28.22240	42.88000
## [3997]	11.90000	46.86000	41.18000	6.07420	7.84000	19.35000
## [4003]	6.27000	16.81000	3.49680	3.23000	2.66000	6.16000
## [4009]	7.50000	13.68510	17.76000	18.45000	20.24000	15.58000
## [4015]	3.08760	3.99750	4.62000	5.04000	6.75000	34.15300
## [4021]	46.20000	24.96000	42.00000	61.50000	11.25400	9.10000
## [4027]	12.16000	13.30000	26.52000	2.25940	3.50000	3.60000

## [4033]	6.96000	7.25000	25.64940	5.75750	45.44000	30.60000
## [4039]	36.96000	19.73760	27.28240	23.40000	16.64000	35.96000
## [4045]	27.44000	19.43600	15.40000	18.40000	56.21000	19.80000
## [4051]	21.58000	21.15000	23.00000	18.40000	14.88300	9.12000
## [4057]	12.58000	11.60000	19.35000	5.10000	NA	NA
## [4063]	NA	NA	31.86000	24.00000	28.62000	23.03000
## [4069]	42.16000	13.86000	22.79500	16.38000	12.92000	13.68000
## [4075]	12.95000	15.58550	12.16000	11.10000	18.86000	23.52000
## [4081]	17.70000	33.48000	22.40000	25.50000	15.05000	9.60000
## [4087]	14.96000	14.35000	22.09000	3.23000	0.63000	3.79500
## [4093]	1.21000	3.31500	2.55600	3.06000	NA	NA
## [4099]	NA	1.76400	1.32000	2.24000	2.89000	3.99000
## [4105]	1.28700	2.40000	2.24000	1.21000	2.24000	2.26920
## [4111]	2.10000	3.60000	4.00000	10.54000	3.89120	5.80000
## [4117]	5.25000	1.69000	8.68000	6.75000	8.25000	9.28000
## [4123]	10.24000	8.25000	4.55820	2.88000	2.85000	2.25000
## [4129]	4.40000	2.14200	3.20000	0.90000	0.16000	0.42000
## [4135]	0.60500	1.20000	0.70000	1.96000	1.82000	1.16100
## [4141]	0.56700	1.08000	NA	NA	7.45380	5.16000
## [4147]	9.52000	6.75000	9.30000	1.16920	0.90000	1.32000
## [4153]	NA	NA	0.69300	0.41310	1.10000	1.68000
## [4159]	2.10000	1.34400	0.95000	0.85500	NA	NA
## [4165]	1.97500	3.07880	1.20000	3.60000	3.60000	2.61950
## [4171]	3.69000	5.25000	2.72000	5.04000	0.48000	0.60000
## [4177]	0.72000	1.54000	2.55000	6.09000	7.54000	9.72000
## [4183]	0.72000	15.20000	0.32500	0.51000	0.45500	7.83000
## [4189]	1.05000	33.55000	26.50000	26.13000	2.46000	42.24000
## [4195]	12.92000	16.80000	13.30000	11.20000	48.28000	3.45000
## [4201]	3.99000	4.94000	7.50000	10.23000	11.00800	15.99000
## [4207]	13.30000	15.30000	26.00000	2.21000	2.24000	4.40000
## [4213]	10.54000	18.00000	22.32000	15.60000	17.10000	30.24000
## [4219]	34.80000	12.24000	12.60000	9.45000	23.00000	29.70000
## [4225]	8.84260	6.90000	11.18000	24.50000	23.04000	1.75000
## [4231]	1.82000	2.40000	4.18000	7.80000	31.52760	28.62000
## [4237]	31.90000	67.94000	74.80000	5.45200	5.72000	9.10000
## [4243]	19.74000	28.05000	56.39400	45.42500	54.78000	78.30000
## [4249]	86.52000	27.27200	39.00000	25.38000	40.02000	53.28000
## [4255]	22.37400	15.36000	16.80000	18.90000	20.64000	14.19600
## [4261]	12.54000	17.76000	30.21000	29.58000	13.44000	9.90000
## [4267]	16.72000	21.56000	19.36000	20.57000	11.55000	27.75000
## [4273]	20.24000	19.52000	7.00000	6.50000	8.10000	10.50000
## [4279]	22.08000	48.50800	26.23000	40.20000	40.20000	49.64000
## [4285]	21.93000	27.26000	17.20000	24.60000	41.60000	13.30250
## [4291]	11.20000	13.65000	21.60000	30.60000	3.62700	3.40000
## [4297]	2.43000	5.06000	6.21000	7.00700	10.56000	15.91000
## [4303]	24.91000	28.05000	2.45050	3.74000	5.72000	5.50000
## [4309]	5.06000	3.19300	4.62000	4.08000	5.60000	5.25000
## [4315]	3.17680	6.00000	5.75000	12.95000	9.30000	1.80250
## [4321]	4.56000	5.13000	10.44000	24.99000	3.26040	7.02000
## [4327]	8.67000	13.53000	23.50000	4.89300	5.52000	7.50000
## [4333]	21.56000	21.93000	2.10000	2.10000	2.70000	4.00000
## [4339]	9.00000	6.27750	6.09000	6.50000	8.10000	14.76000
## [4345]	2.24000	3.20000	3.04000	6.67000	12.96000	2.88750
## [4351]	4.20000	5.04000	8.99000	7.00000	3.90600	10.56000

## [4357]	8.12000	10.24000	11.89000	0.45500	0.48000	1.30000
## [4363]	3.20000	8.70000	5.80770	8.91000	8.68000	15.58000
## [4369]	10.23000	1.33400	1.50000	1.68000	1.92000	3.99000
## [4375]	1.15640	1.50000	1.20000	1.32000	8.37000	2.28000
## [4381]	0.88000	1.17000	5.50000	6.21000	0.60000	0.99000
## [4387]	0.70000	2.85000	5.52000	1.98750	1.80000	1.10000
## [4393]	1.30000	1.21000	22.70400	42.21000	42.56000	49.00000
## [4399]	63.99000	7.98660	32.76000	41.30000	45.50000	57.67000
## [4405]	12.59280	14.35000	11.28000	20.00000	27.00000	3.60000
## [4411]	2.94000	6.44000	10.20000	8.70000	23.00000	18.06000
## [4417]	8.96000	25.50000	NA	32.86000	20.25000	20.70000
## [4423]	26.50000	29.15000	7.67000	7.02000	6.75000	9.00000
## [4429]	6.75000	2.88000	8.32000	9.38400	7.68000	NA
## [4435]	6.48000	8.12000	12.21000	16.40000	27.50000	3.78000
## [4441]	4.40000	7.59000	5.52000	8.10000	4.56000	4.18000
## [4447]	6.72000	7.28000	8.96000	1.43000	2.24000	3.99000
## [4453]	2.70000	5.04000	3.50000	8.12000	20.91000	26.50000
## [4459]	15.84000	1.04500	3.04000	11.02000	33.00000	8.10000
## [4465]	6.24000	7.25000	18.04000	28.00000	33.92000	9.88000
## [4471]	15.21000	24.99000	33.00000	33.00000	13.94000	12.60000
## [4477]	21.62000	31.20000	54.51000	8.99000	5.98000	15.99000
## [4483]	22.95000	16.40000	8.32000	12.60000	24.01000	25.50000
## [4489]	28.42000	4.40000	4.40000	5.94000	16.80000	8.70000
## [4495]	2.64000	6.16000	10.23000	19.80000	21.50000	4.75000
## [4501]	2.88000	6.75000	14.80000	9.30000	7.08000	7.75000
## [4507]	16.38000	32.40000	34.20000	2.88000	8.68000	12.58000
## [4513]	16.80000	29.68000	1.80000	6.24000	5.88000	10.56000
## [4519]	11.88000	4.80000	6.38000	9.92000	13.86000	19.27000
## [4525]	6.44000	13.65000	7.83000	20.24000	15.19000	10.27000
## [4531]	20.21000	25.97000	51.75000	38.43000	1.43000	2.40000
## [4537]	2.94000	8.70000	NA	6.72000	7.28000	3.60000
## [4543]	10.80000	7.36000	2.00000	8.05000	7.02000	12.21000
## [4549]	7.13000	1.56000	3.40000	4.75000	6.50000	8.37000
## [4555]	4.41000	11.88000	16.40000	20.00000	20.58000	2.88000
## [4561]	5.75000	17.64000	11.10000	6.82000	0.12000	1.05000
## [4567]	0.88000	3.00000	3.06000	0.80000	0.56000	0.99000
## [4573]	3.00000	3.00000	1.14000	1.95000	2.55000	4.60000
## [4579]	4.35000	1.54000	1.87500	6.24000	6.24000	6.90000
## [4585]	4.32000	3.36000	6.48000	7.80000	4.20000	2.22000
## [4591]	4.20000	2.66000	3.80000	3.80000	2.24000	2.88000
## [4597]	1.95000	2.08000	2.28000	4.32000	7.28000	7.83000
## [4603]	7.50000	6.16000	7.67000	11.84000	NA	15.60000
## [4609]	12.16000	0.10000	1.05000	1.32000	3.40000	1.68000
## [4615]	7.00000	13.32000	20.64000	24.44000	27.50000	16.43000
## [4621]	19.50000	15.17000	56.00000	59.13000	2.55000	5.52000
## [4627]	11.90000	14.80000	19.32000	9.30000	10.80000	27.03000
## [4633]	25.65000	20.58000	2.85000	6.38000	14.72000	11.52000
## [4639]	8.70000	17.15000	24.64000	33.06000	46.20000	71.89000
## [4645]	17.63000	20.40000	23.97000	37.80000	43.55000	12.60000
## [4651]	14.43000	25.44000	75.00000	29.28000	8.70000	2.40500
## [4657]	3.78000	5.28000	8.70000	10.44000	35.79750	34.50000
## [4663]	73.87000	71.40000	8.68000	17.43000	17.60000	28.50000
## [4669]	49.41000	2.08000	5.99250	2.25000	9.90000	19.35000
## [4675]	7.02000	16.36250	19.50000	25.00000	44.22000	2.24000

## [4681]	7.42500	10.88000	14.96000	16.65000	6.44000	7.52000
## [4687]	9.10000	23.50000	14.76000	4.68000	6.18750	5.50000
## [4693]	9.00000	14.82000	2.24000	4.38750	6.32500	9.00000
## [4699]	12.24000	2.88000	2.01500	1.54000	4.60000	15.75000
## [4705]	9.24000	31.08000	49.30000	41.48000	50.37000	6.96000
## [4711]	14.80000	13.94000	15.54000	18.62000	10.15000	17.76000
## [4717]	32.86000	16.66000	33.66000	10.26000	27.82000	13.68000
## [4723]	NA	NA	15.48000	34.19250	21.00000	37.20000
## [4729]	45.14000	32.94000	30.24000	28.56000	45.50000	63.99000
## [4735]	8.84000	10.56000	10.26000	12.90000	31.35000	29.58000
## [4741]	24.00000	31.80000	34.80000	51.00000	23.00000	22.79500
## [4747]	18.90000	30.50000	46.15000	8.32000	16.42500	20.70000
## [4753]	21.00000	38.50000	1.80000	1.84000	1.32000	3.23000
## [4759]	7.83000	1.43000	1.78250	2.25000	NA	NA
## [4765]	3.80000	3.60000	4.32000	5.06000	6.20000	4.83000
## [4771]	7.52250	10.44000	13.80000	10.85000	6.09000	15.56250
## [4777]	23.52000	30.78000	24.96000	4.20000	6.41250	6.44000
## [4783]	9.90000	15.96000	2.70000	2.39250	2.88000	4.00000
## [4789]	2.85000	0.63000	1.02000	1.65000	8.68000	8.37000
## [4795]	4.20000	5.06000	6.75000	9.60000	12.24000	1.32000
## [4801]	1.62500	1.68000	NA	NA	5.04000	4.71500
## [4807]	4.73000	9.90000	11.55000	5.98000	8.26000	6.16000
## [4813]	14.80000	8.75000	0.72000	1.56000	0.96000	1.30000
## [4819]	0.45000	2.56000	4.62000	5.75000	8.58000	10.93500
## [4825]	8.70000	7.12500	10.88000	20.70000	17.22000	2.55000
## [4831]	3.78000	3.99000	8.70000	4.94000	8.68000	9.44000
## [4837]	8.32000	12.21000	14.80000	0.63000	1.43000	1.76000
## [4843]	4.60000	6.96000	0.32000	1.08000	2.34000	3.80000
## [4849]	5.13000	3.52000	5.00000	5.72000	9.60000	9.28000
## [4855]	6.16000	7.75000	8.64000	11.70000	12.54000	22.22000
## [4861]	39.65000	23.52000	61.50000	44.02000	37.40000	NA
## [4867]	26.68000	41.58000	NA	6.72000	7.54000	8.05000
## [4873]	9.00000	24.50000	2.72000	3.60000	5.06000	6.30000
## [4879]	11.16000	8.96000	7.02000	12.87000	11.70000	19.89000
## [4885]	3.57000	4.20000	NA	1.40000	1.65000	5.98000
## [4891]	5.06000	6.67000	9.90000	14.43000	7.00000	7.54000
## [4897]	6.20000	9.60000	1.56000	9.57000	13.65000	12.92000
## [4903]	15.20000	18.45000	3.40000	6.00000	9.80000	10.23000
## [4909]	4.60000	4.62500	3.96000	8.37000	20.58000	33.28000
## [4915]	6.20000	2.16000	9.52000	11.70000	14.35000	5.75000
## [4921]	5.28000	8.10000	9.30000	13.32000	7.92000	10.44000
## [4927]	13.64000	18.04000	NA	10.85000	16.40000	NA
## [4933]	NA	NA	0.72000	0.72000	1.76000	3.40000
## [4939]	8.00000	1.56000	0.96000	1.50000	1.70000	0.99000
## [4945]	5.06000	5.98000	7.54000	9.30000	9.36000	5.25000
## [4951]	11.84000	17.10000	NA	NA	6.27000	10.88000
## [4957]	13.44000	3.80000	5.20000	4.18000	4.80000	4.30500
## [4963]	4.08000	6.60000	18.88000	10.56000	16.34000	20.00000
## [4969]	27.54000	8.64000	17.20000	15.58000	12.90000	38.43000
## [4975]	4.40000	3.06000	5.06000	4.68000	4.62000	2.24000
## [4981]	3.21750	1.98000	2.08000	3.42000	6.27000	5.48250
## [4987]	3.74000	15.20000	4.20000	1.40000	1.50000	2.99000
## [4993]	2.72000	3.06000	0.80000	1.56000	1.20750	NA
## [4999]	NA	2.94000	4.40750	6.50000	21.60000	12.09000



## [5005]	3.52000	2.32000	2.40000	6.76000	3.99000	2.88000
## [5011]	4.92000	1.56000	3.57000	3.61000	1.99500	4.23000
## [5017]	1.54000	2.55000	0.88000	2.03000	2.73000	1.54000
## [5023]	4.20000	3.99000	1.68000	2.55000	2.24000	NA
## [5029]	NA	1.56000	1.87500	1.56000	2.97500	4.37000
## [5035]	1.44000	2.64000	2.08000	8.14350	8.06000	3.42000
## [5041]	4.37000	9.62000	13.32000	11.88000	3.00000	3.36000
## [5047]	2.85000	4.83000	2.21000	1.80000	2.04000	2.52000
## [5053]	3.04000	2.40000	0.90000	0.80750	1.10000	3.02600
## [5059]	2.66000	0.49000	0.21700	0.08000	0.45500	1.21000
## [5065]	2.70000	1.92000	1.95000	2.17500	2.21000	4.92000
## [5071]	4.40000	8.06000	12.95000	9.60000	3.23000	2.80000
## [5077]	6.24000	6.16000	9.50000	8.12000	15.04000	14.04000
## [5083]	23.65000	17.63000	11.52000	9.30000	18.48000	16.80000
## [5089]	18.92000	5.88000	16.41900	15.99000	18.72000	27.26000
## [5095]	9.60000	13.26000	15.60000	10.20000	24.48000	2.10000
## [5101]	1.95000	1.33000	2.88000	7.28000	2.88000	4.18000
## [5107]	5.28000	8.40000	20.58000	1.82000	2.03000	2.40000
## [5113]	5.80000	8.70000	2.10000	4.25000	12.58000	8.70000
## [5119]	14.35000	14.04000	18.92000	28.56000	20.40000	25.97000
## [5125]	2.70000	2.40000	4.37000	5.06000	5.50000	10.23000
## [5131]	11.90000	15.20000	8.96000	15.99000	3.06000	3.33000
## [5137]	5.75000	5.06000	5.98000	5.58000	8.00000	7.75000
## [5143]	6.72000	9.43000	18.48000	21.84000	30.78000	18.40000
## [5149]	32.48000	31.90000	24.99000	47.57000	43.55000	35.38000
## [5155]	9.25000	15.12000	16.80000	34.20000	24.48000	30.09000
## [5161]	40.95000	18.00000	11.75000	38.86000	4.56000	5.06000
## [5167]	6.96000	7.50000	17.22000	1.81250	2.66000	4.32000
## [5173]	5.75000	11.20000	8.37000	9.80000	14.76000	9.18000
## [5179]	22.36000	12.95000	12.60000	23.92000	21.93000	65.12000
## [5185]	15.48000	14.40000	22.54000	21.60000	24.50000	24.94000
## [5191]	22.56000	14.76000	25.08000	23.03000	3.80000	4.14000
## [5197]	7.50000	5.28000	6.16000	4.32000	3.80000	7.20000
## [5203]	5.25000	6.96000	2.40000	2.72000	6.24000	5.50000
## [5209]	9.61000	1.60000	5.06000	2.34000	2.55000	3.80000
## [5215]	4.60000	5.46000	6.90000	12.96000	16.34000	4.83000
## [5221]	1.43000	2.52000	4.40000	NA	5.60000	8.96000
## [5227]	12.21000	2.60000	4.83000	1.56000	1.26000	1.02000
## [5233]	3.20000	5.04000	0.67500	0.60000	1.32000	8.80000
## [5239]	NA	2.94000	2.25000	2.42000	2.72000	4.37000
## [5245]	0.88000	0.88000	1.56000	3.42000	10.15000	3.23000
## [5251]	2.40000	1.69000	NA	NA	5.46000	6.00000
## [5257]	8.99000	7.02000	10.23000	3.06000	3.40000	3.57000
## [5263]	1.65000	5.72000	2.89000	3.32500	2.08000	3.99000
## [5269]	5.72000	3.15000	3.00000	3.74000	5.50000	7.28000
## [5275]	0.99000	1.30000	1.30000	2.62500	5.50000	0.88000
## [5281]	1.30000	1.95000	2.61000	3.96000	0.56000	1.20000
## [5287]	0.99000	2.10000	3.36000	2.70000	3.00000	1.95000
## [5293]	2.24000	4.60000	53.82000	37.50000	34.77000	9.90000
## [5299]	51.87000	21.12000	23.50000	35.34000	12.87000	27.56000
## [5305]	59.16000	NA	NA	NA	4.62000	6.00000
## [5311]	6.50000	1.87000	7.65600	15.60000	18.04000	15.40500
## [5317]	19.80000	32.49000	13.68000	20.70000	31.90000	22.56000
## [5323]	29.58000	9.76000	15.17000	15.20000	23.50000	23.32000

## [5329]	12.24000	22.09000	20.58000	30.24000	34.45000	NA
## [5335]	22.00000	36.60000	33.00000	46.20000	31.90000	24.18000
## [5341]	50.82600	34.16000	57.80000	12.24000	13.12000	14.62500
## [5347]	20.68000	30.68000	28.91000	20.68000	32.94000	44.85000
## [5353]	48.30000	9.30000	19.20000	27.93000	26.22000	36.58000
## [5359]	11.90000	18.72000	33.04000	29.58000	50.16000	5.50000
## [5365]	10.40000	14.08000	16.17000	27.00000	1.95000	2.80500
## [5371]	6.50000	7.50000	8.40000	5.98000	8.10000	12.60000
## [5377]	16.34000	18.24000	7.28000	11.05500	14.85000	24.30000
## [5383]	40.92000	20.70000	21.84000	19.98000	21.00000	48.96000
## [5389]	7.56000	11.70000	10.88000	19.35000	24.73500	6.96000
## [5395]	9.24000	3.91000	13.60000	13.53000	8.06000	14.04000
## [5401]	14.26000	22.14000	27.26000	3.04000	8.52500	7.75000
## [5407]	9.90000	15.12000	2.47000	1.32000	12.96000	5.94000
## [5413]	15.99000	1.40000	2.72000	0.99000	1.10000	0.98000
## [5419]	0.45000	2.10000	1.82000	1.10000	1.16600	2.10000
## [5425]	1.62000	3.64000	9.86000	5.06000	1.44000	1.80000
## [5431]	7.83000	10.20000	14.62000	1.76000	2.88000	4.94000
## [5437]	5.00000	8.91000	2.10000	5.00000	5.40000	6.72000
## [5443]	14.35000	0.37500	3.00000	1.95000	5.52000	5.75000
## [5449]	1.17000	1.29600	3.40000	8.32000	10.15000	2.40000
## [5455]	5.00000	8.58000	12.21000	12.60000	6.72000	5.72000
## [5461]	3.90000	10.23000	12.09000	8.32000	12.24000	11.22000
## [5467]	6.75000	12.87000	2.52000	1.43000	1.40000	2.24000
## [5473]	4.56000	13.30000	13.68000	14.62000	16.38000	25.50000
## [5479]	16.81000	19.35000	23.00000	30.24000	58.50400	9.45000
## [5485]	11.84000	16.80000	14.06000	21.70000	11.89000	17.63000
## [5491]	23.40000	23.85000	32.50000	16.40000	15.12000	18.06000
## [5497]	22.36000	31.20000	19.35000	23.03000	23.76000	31.00000
## [5503]	27.73000	6.38000	10.54000	15.58000	14.04000	20.90000
## [5509]	4.40000	3.40000	4.83000	4.83000	7.00000	1.95000
## [5515]	2.72000	5.28000	8.10000	19.11000	2.52000	3.40000
## [5521]	5.06000	3.74000	5.98000	6.96000	7.15000	10.88000
## [5527]	12.80000	30.78000	9.24000	6.24000	13.20000	10.56000
## [5533]	12.24000	12.25000	20.91000	33.00000	30.50000	24.96000
## [5539]	7.54000	9.99000	18.00000	7.00000	26.32000	0.90000
## [5545]	0.67500	1.95000	1.60000	5.46000	2.40000	2.03000
## [5551]	5.00000	3.60000	7.28000	1.65000	1.38000	4.20000
## [5557]	3.91000	10.01000	7.65000	27.29500	40.88000	34.16000
## [5563]	44.88000	15.20000	22.55000	34.77000	17.20000	43.07000
## [5569]	31.27000	26.52000	44.22000	42.09000	60.80000	3.45000
## [5575]	5.88000	8.10000	7.84000	9.60000	5.67000	NA
## [5581]	NA	NA	5.67000	5.94000	1.82000	6.44000
## [5587]	6.00000	9.88000	4.00000	2.24000	1.43000	4.83000
## [5593]	9.45000	2.08000	1.35000	1.68750	1.30000	2.52000
## [5599]	8.99000	11.31000	15.84000	37.82000	30.21000	2.24000
## [5605]	1.82000	6.24000	7.54000	5.13000	0.63000	1.32000
## [5611]	0.30000	2.55000	1.68000	0.40000	0.38500	0.90000
## [5617]	1.82000	1.56000	2.88000	2.52000	4.62000	5.06000
## [5623]	11.16000	2.55000	1.74000	2.24000	3.23000	6.25000
## [5629]	8.96000	10.56000	8.70000	8.99000	9.40000	1.80000
## [5635]	1.32000	1.56000	2.97500	5.50000	3.42000	6.00000
## [5641]	4.20000	3.14500	7.54000	4.20000	5.52000	5.04000
## [5647]	3.20000	8.96000	3.96000	6.50000	2.24000	4.20000

## [5653]	7.50000	1.32000	1.21000	2.38000	3.06000	5.94000
## [5659]	2.72000	3.42000	4.20000	3.24000	5.75000	2.24000
## [5665]	3.00000	5.72000	4.08000	7.13000	1.80000	1.32000
## [5671]	2.24000	4.20000	4.59000	3.15000	5.52000	8.28000
## [5677]	4.80000	4.42000	6.24000	8.40000	13.65000	10.12500
## [5683]	16.80000	11.88000	25.92000	22.95000	16.34000	19.74000
## [5689]	23.50000	18.48000	20.91000	22.62000	31.85000	15.99000
## [5695]	13.20000	19.68000	20.90000	30.74000	13.65000	11.88000
## [5701]	22.56000	17.22000	27.00000	17.55000	21.62000	26.88000
## [5707]	31.86000	27.56000	11.56000	15.30000	21.56000	11.16000
## [5713]	14.96000	18.06000	27.00000	36.60000	26.88000	43.92000
## [5719]	23.85000	22.88000	29.76000	30.09000	45.54000	18.80000
## [5725]	21.12000	24.48000	23.00000	52.54000	19.78000	23.50000
## [5731]	25.50000	15.05000	NA	8.85000	9.30000	15.58000
## [5737]	11.90000	5.72000	4.23000	3.36000	3.06000	3.48500
## [5743]	4.62000	2.31000	2.10000	4.32000	2.21000	20.24000
## [5749]	15.20000	13.30000	31.68000	16.80000	22.54000	4.56000
## [5755]	14.43000	14.52000	14.82000	18.72000	2.47500	2.28000
## [5761]	1.43000	1.92000	3.60000	11.31000	12.24000	4.56000
## [5767]	9.52000	11.88000	8.10000	10.88000	11.22000	10.40000
## [5773]	22.05000	6.75000	11.76000	15.12000	19.27000	22.36000
## [5779]	1.17000	1.82000	2.52000	2.40000	1.56000	0.59500
## [5785]	0.95200	0.99000	1.43000	0.56000	1.08500	8.20000
## [5791]	2.10000	3.25000	2.40000	4.66200	3.23000	3.99000
## [5797]	3.14500	3.99000	0.76500	0.99750	1.21000	0.88000
## [5803]	0.63000	1.65750	0.99750	0.58500	0.90000	0.45000
## [5809]	2.70000	4.01400	2.86000	4.20000	3.20000	0.52500
## [5815]	0.42000	0.80000	0.59500	0.45000	1.43000	0.97750
## [5821]	1.71000	0.67500	0.40000	1.26500	1.14000	1.56000
## [5827]	1.38000	1.76000	6.50000	7.28000	6.90000	9.90000
## [5833]	8.40000	2.40000	1.32000	2.86000	4.20000	3.57000
## [5839]	1.20000	0.67500	0.88000	1.56000	1.65000	1.75000
## [5845]	1.40000	1.80000	5.63500	7.80000	1.15500	0.99000
## [5851]	0.90000	2.55000	3.80000	5.51000	5.29000	2.73000
## [5857]	10.89000	8.58000	5.64000	6.75000	6.40000	9.90000
## [5863]	1.56000	1.57500	2.55000	1.43000	0.99000	11.52000
## [5869]	0.72000	0.60500	0.96000	0.90000	2.73000	13.26000
## [5875]	23.50000	28.32000	35.84000	61.50000	13.20000	15.98000
## [5881]	29.15000	27.00000	38.35000	5.72000	9.60000	17.63000
## [5887]	19.08000	38.43000	38.34000	51.06000	70.47000	63.14000
## [5893]	73.08000	76.44000	72.68000	55.30000	70.55000	69.66000
## [5899]	6.02000	19.74000	31.27000	34.72000	47.45000	13.68000
## [5905]	8.75000	8.64000	12.60000	24.36000	23.85000	28.56000
## [5911]	34.65000	60.06000	69.70000	6.48000	8.10000	8.99000
## [5917]	12.54000	30.68000	3.90000	5.46000	9.92000	14.40000
## [5923]	18.62000	13.68000	17.48000	22.50000	24.20000	60.00000
## [5929]	32.34000	35.20000	66.42000	17.60000	50.76000	1.44000
## [5935]	2.72000	3.80000	8.10000	23.52000	17.22000	33.00000
## [5941]	44.20000	46.90000	52.02600	10.85000	14.76000	29.07000
## [5947]	37.12000	41.18000	2.24000	3.80000	5.04000	78.02000
## [5953]	63.96000	12.95000	8.00000	15.96000	28.60000	53.90000
## [5959]	5.04000	9.28000	18.45000	18.90000	29.15000	6.21000
## [5965]	13.68000	12.58000	15.12000	19.78000	1.54000	4.72500
## [5971]	8.70000	6.24000	12.00000	10.80000	19.35000	25.42000

## [5977]	37.12000	34.20000	1.21000	5.00000	6.67000	7.02000
## [5983]	17.22000	1.56000	4.18000	2.88000	4.40000	7.28000
## [5989]	0.63000	0.80000	1.68000	4.18000	13.94000	3.51500
## [5995]	6.12000	9.24000	10.65000	11.04000	0.91000	3.51000
## [6001]	3.36000	4.32000	14.70000	1.05000	4.62000	2.24000
## [6007]	10.15000	16.38000	2.10000	6.67000	4.32000	9.86000
## [6013]	12.87000	0.80000	2.40000	1.68000	6.50000	11.52040
## [6019]	3.60000	6.16000	5.04000	7.74000	15.12000	7.56000
## [6025]	8.68000	11.47000	9.30000	14.76000	3.23000	3.00000
## [6031]	5.28000	4.62000	9.92000	1.25000	0.45500	1.32000
## [6037]	1.10000	6.00000	3.04000	3.85000	4.83000	4.95000
## [6043]	13.39400	1.95000	2.47500	2.24000	5.00000	9.92000
## [6049]	6.00000	5.75000	12.09000	18.48000	29.58000	2.24000
## [6055]	3.80000	2.34000	9.30000	11.76000	1.95000	5.25000
## [6061]	3.06000	4.41000	4.50000	6.60000	31.95800	23.50000
## [6067]	33.60000	41.28240	26.00000	12.54000	46.15000	51.10000
## [6073]	38.40000	31.90000	28.35000	40.87000	64.61000	60.04000
## [6079]	9.45000	12.48000	24.48000	28.05000	21.00000	21.15000
## [6085]	36.60000	52.14000	40.26000	46.16300	11.31000	13.30000
## [6091]	22.50000	23.32000	24.48000	15.17000	13.30000	21.07000
## [6097]	26.00000	25.16150	24.01000	38.34000	37.17000	53.25000
## [6103]	30.29400	14.06000	12.95000	17.22000	25.00000	24.75000
## [6109]	7.56000	5.72000	8.12000	11.84000	14.26800	14.76000
## [6115]	13.94000	13.60000	27.00000	24.84000	5.32000	6.75000
## [6121]	11.56000	27.54000	16.34000	2.10000	1.89000	2.24000
## [6127]	3.04000	1.90000	2.55000	1.62500	2.24000	2.21000
## [6133]	5.16000	5.10000	6.38000	5.50000	5.72000	12.24000
## [6139]	1.56000	3.23000	2.72000	6.00000	5.72280	2.38000
## [6145]	1.56000	1.92000	NA	NA	0.82500	0.52500
## [6151]	0.70000	0.54000	0.50000	2.31000	0.27500	0.56000
## [6157]	0.30000	1.06200	2.34000	1.17000	1.44000	4.48000
## [6163]	4.60000	3.04500	1.20000	1.90000	0.63000	0.60000
## [6169]	2.10000	1.68000	1.68000	1.10000	1.56000	1.17000
## [6175]	0.63000	0.49000	NA	NA	8.64000	7.28000
## [6181]	9.90000	10.20000	8.37000	2.88000	1.95000	2.89000
## [6187]	5.75000	6.05800	1.56000	1.95000	1.65000	2.10000
## [6193]	2.66900	6.24000	5.04000	4.83000	7.25000	7.90020
## [6199]	3.42000	3.78000	3.62000	2.89000	4.83960	1.82000
## [6205]	2.55000	2.52000	4.62000	3.44270	3.80000	3.06000
## [6211]	3.60000	NA	NA	1.50000	2.24000	1.20000
## [6217]	2.21000	3.12960	1.68000	1.56000	1.82000	1.10000
## [6223]	3.56700	3.78000	2.88000	8.84000	6.50000	8.99000
## [6229]	11.55000	22.95000	23.32000	12.92000	22.44000	18.13000
## [6235]	28.05000	28.20000	28.05000	27.44000	8.58000	15.54000
## [6241]	15.20000	13.60000	19.60000	16.10000	8.64000	11.60000
## [6247]	NA	NA	16.20000	26.95000	31.90000	20.25000
## [6253]	43.55000	15.60000	24.20000	15.60000	19.78000	24.91000
## [6259]	8.99000	9.97500	14.52000	16.00000	12.73000	10.54000
## [6265]	6.84000	12.87000	8.06000	9.60000	6.75000	8.70000
## [6271]	9.30000	7.20000	9.61000	0.72000	NA	NA
## [6277]	6.24000	12.96000	3.52000	6.16000	10.85000	5.52000
## [6283]	5.25000	8.28000	7.15500	4.62000	11.10000	14.35000
## [6289]	7.56000	3.78000	7.56000	20.00000	14.82000	3.36000
## [6295]	6.24000	9.86000	16.10000	18.87000	7.41000	8.64000

## [6301]	15.05000	25.52000	27.84000	13.30000	7.20000	11.88000
## [6307]	33.06000	18.45000	3.06000	2.55000	3.40000	9.02000
## [6313]	12.16000	8.10000	8.10000	13.53000	7.00000	7.56000
## [6319]	3.40000	3.40000	3.80000	3.20000	4.92000	2.52000
## [6325]	3.04000	4.18000	4.08000	7.83000	7.75000	7.92000
## [6331]	11.16000	16.72000	3.99000	3.99000	7.44000	8.84000
## [6337]	21.15000	10.80000	0.63000	1.32000	1.62000	2.24000
## [6343]	12.58000	0.33000	1.65000	1.98000	5.70000	2.70000
## [6349]	2.40000	2.68000	1.95000	1.92000	3.60000	1.20000
## [6355]	31.72000	55.50000	1.10000	1.90000	28.05000	28.09000
## [6361]	29.89000	38.50000	39.65000	6.48000	7.68000	12.16000
## [6367]	12.30000	11.90000	9.61000	NA	NA	NA
## [6373]	NA	3.30000	3.45000	5.00000	9.00000	7.36000
## [6379]	2.40000	1.92000	3.59100	9.60000	7.82000	3.80000
## [6385]	9.28000	5.06000	11.40000	15.21000	12.09000	3.22400
## [6391]	NA	NA	NA	5.46000	4.90000	1.36500
## [6397]	4.14000	4.00000	17.64000	9.18000	8.72040	NA
## [6403]	NA	3.00000	1.60000	1.78200	2.40000	1.30000
## [6409]	0.90000	1.05000	0.52500	1.32000	0.45500	1.68000
## [6415]	3.36000	3.91000	1.43000	1.96000	3.06000	7.02000
## [6421]	6.00000	4.40000	4.18000	4.40000	6.48000	4.72500
## [6427]	8.12000	3.80000	4.94000	4.34000	3.70925	3.40000
## [6433]	5.46000	3.04000	3.23000	2.83050	2.52000	1.82000
## [6439]	1.32000	3.40000	2.94500	NA	NA	3.74000
## [6445]	5.06000	3.48500	4.40000	5.88000	3.06000	7.80000
## [6451]	4.37000	4.68000	4.84000	2.10000	4.62000	5.04000
## [6457]	17.20000	14.40000	5.20000	4.80000	5.06000	12.58000
## [6463]	4.42000	2.32000	3.20000	2.92400	7.80000	2.60000
## [6469]	2.88000	6.48000	6.19500	8.10000	6.24000	1.95000
## [6475]	3.00000	2.72000	5.40000	5.52000	2.10000	2.80000
## [6481]	3.60000	6.21000	5.46000	1.26000	0.90000	1.10000
## [6487]	1.96000	1.44000	4.20000	4.41000	8.12000	9.28000
## [6493]	NA	11.78000	8.99000	11.88000	14.00000	6.21000
## [6499]	5.25000	7.00000	7.20000	9.92000	13.30000	16.77000
## [6505]	16.38000	18.72000	19.20000	19.80000	14.80000	19.35000
## [6511]	24.00000	5.88000	29.68000	18.92000	27.44000	44.20000
## [6517]	28.62000	40.95000	39.04000	58.08000	73.32000	59.63000
## [6523]	72.80000	31.90000	56.24000	60.68000	73.80000	66.36000
## [6529]	22.95000	22.54000	26.32000	25.00000	34.16000	21.32000
## [6535]	18.50000	24.50000	20.28000	33.55000	9.52000	16.38000
## [6541]	15.64000	12.15000	21.20000	14.96000	8.75000	11.84000
## [6547]	18.24000	31.20000	27.36000	26.32000	40.87000	37.76000
## [6553]	32.24000	2.66000	7.02000	11.22000	8.10000	15.20000
## [6559]	18.00000	27.60000	22.05000	22.54000	28.42000	25.85000
## [6565]	28.80000	31.80000	39.06000	31.28000	7.02000	9.24000
## [6571]	5.52000	9.80000	12.58000	3.84000	2.88000	8.32000
## [6577]	6.44000	6.76000	0.88000	0.76500	1.68000	NA
## [6583]	NA	2.88000	2.38000	2.52000	2.85000	5.06000
## [6589]	1.32000	4.18000	3.04000	6.21000	5.60000	1.49500
## [6595]	1.32000	1.32000	1.43000	2.40000	1.95000	2.72000
## [6601]	3.06000	3.80000	5.75000	2.73000	0.72000	2.34000
## [6607]	NA	NA	1.50000	1.92000	1.82000	3.42000
## [6613]	2.89000	1.30000	1.56000	4.80000	1.00000	3.45000
## [6619]	1.65000	1.17000	2.24000	1.10000	3.60000	2.40000

## [6625]	1.56000	0.90000	1.70000	3.60000	1.95000	2.10000
## [6631]	2.70000	3.23000	4.41000	3.12000	6.00000	5.06000
## [6637]	4.00000	7.56000	1.63800	3.06000	1.56000	1.82000
## [6643]	NA	6.00000	5.14500	4.18000	NA	NA
## [6649]	2.01500	4.14000	3.06000	5.00000	4.20000	1.48500
## [6655]	1.68000	1.43000	2.21000	3.60000	1.74000	1.56000
## [6661]	1.68000	NA	NA	4.71750	5.50000	1.54000
## [6667]	NA	NA	3.70500	2.80000	1.56000	1.65000
## [6673]	2.04000	0.46500	0.45500	0.30000	NA	NA
## [6679]	13.20000	21.07000	18.90000	35.84000	30.24000	16.40000
## [6685]	15.17000	17.39000	31.00000	25.50000	5.50000	6.48000
## [6691]	3.99000	4.60000	7.25000	15.84000	19.11000	19.20000
## [6697]	27.50000	37.80000	8.12000	4.40000	5.25000	9.00000
## [6703]	8.70000	22.05000	21.07000	30.80000	44.53000	45.44000
## [6709]	17.48000	16.38000	18.00000	25.00000	16.40000	12.24000
## [6715]	15.40500	15.96000	22.50000	22.95000	3.96000	7.02000
## [6721]	5.94000	9.57000	8.10000	15.12000	14.04000	24.44000
## [6727]	18.72000	16.20000	8.99000	9.90000	11.20000	14.40000
## [6733]	19.80000	6.50000	9.61000	13.32000	8.32000	16.00000
## [6739]	8.68000	8.55000	14.80000	17.20000	10.56000	20.40000
## [6745]	19.78000	20.16000	25.00000	20.24000	8.40000	20.25000
## [6751]	35.10000	32.40000	39.00000	1.65000	6.35500	5.65500
## [6757]	45.36000	6.25000	9.80000	14.04000	25.30000	37.80000
## [6763]	30.60000	9.44000	10.20000	19.38000	23.50000	23.50000
## [6769]	16.92000	11.90000	18.24000	16.40000	25.44000	16.38000
## [6775]	26.00000	31.86000	30.00000	32.48000	5.10000	3.28000
## [6781]	5.50000	6.67000	11.88000	2.48000	1.43750	4.80000
## [6787]	12.24000	9.28000	3.15000	2.73000	4.20000	7.80000
## [6793]	5.46000	0.88000	1.92000	2.10000	5.50000	7.15500
## [6799]	0.84000	1.32000	2.38000	6.44000	5.06000	8.37000
## [6805]	9.30000	14.80000	31.36000	26.55000	2.28000	3.15000
## [6811]	5.00000	9.30000	10.64000	1.26000	1.43000	2.70000
## [6817]	7.50000	4.42000	0.63000	1.30000	1.68000	4.60000
## [6823]	10.80000	0.71250	3.78000	4.18000	13.65000	4.37000
## [6829]	3.50000	5.52000	8.37000	7.83000	8.25000	15.20000
## [6835]	8.64000	13.31250	12.60000	13.20000	3.23000	5.28000
## [6841]	7.54000	6.90000	4.40000	5.28000	4.62000	4.20000
## [6847]	6.96000	4.56000	6.16000	5.50000	5.50000	16.80000
## [6853]	7.44000	0.81000	1.10000	1.80000	3.80000	1.43000
## [6859]	8.50000	7.00000	7.80000	12.80000	10.88000	10.08000
## [6865]	7.84000	7.70000	9.60000	7.50000	4.80000	5.16000
## [6871]	5.75000	6.24000	7.54000	0.72000	1.33000	1.70000
## [6877]	3.20000	5.28000	23.00000	25.30800	24.80000	37.80000
## [6883]	37.20000	12.95000	8.96000	11.47000	16.77000	9.92000
## [6889]	13.32000	23.97000	28.80000	52.20000	23.97000	10.36000
## [6895]	15.54000	17.48000	23.97000	41.58000	61.50000	56.09000
## [6901]	79.17000	10.36000	13.60000	14.04000	15.91000	18.04000
## [6907]	16.40000	14.00000	18.86000	24.50000	16.32000	15.30000
## [6913]	22.05000	23.52000	25.65000	10.92000	12.60000	18.45000
## [6919]	21.32000	1.32000	5.53500	4.83000	5.29000	8.06000
## [6925]	7.02000	9.28000	10.56000	16.77000	12.16000	5.00000
## [6931]	5.10600	7.28000	5.00000	8.68000	7.02000	7.42500
## [6937]	7.02000	9.57000	9.80000	7.80000	6.50000	13.26000
## [6943]	15.64000	12.95000	12.95000	15.58000	14.40000	27.26000

## [6949]	28.80000	32.13000	34.72000	35.38000	24.96000	24.08000
## [6955]	30.87000	30.24000	14.35000	16.80000	20.21000	21.62000
## [6961]	7.80000	12.60000	17.63000	17.60000	15.60000	27.56000
## [6967]	21.46000	50.32000	51.03000	8.12000	12.58000	10.24000
## [6973]	20.50000	6.63000	4.20000	6.50000	11.55000	5.88000
## [6979]	7.56000	10.50000	11.56000	0.72000	1.56000	2.70000
## [6985]	NA	1.23500	1.56000	11.90000	NA	3.80000
## [6991]	1.03500	8.99000	NA	2.40000	1.32000	3.78000
## [6997]	4.40000	0.42000	1.18750	9.60000	22.08000	1.95000
## [7003]	0.32500	8.25000	1.10000	2.09000	3.15000	2.43000
## [7009]	4.32000	2.60000	1.87500	6.00000	6.96000	0.82500
## [7015]	0.72000	5.52000	1.80000	0.85500	1.08000	1.56000
## [7021]	4.60000	4.30500	4.40000	5.04000	6.75000	8.06000
## [7027]	2.72000	2.62500	3.04000	4.41000	4.37000	8.10000
## [7033]	2.97000	0.45000	14.70000	6.93000	0.88000	2.10000
## [7039]	2.10000	2.10000	4.64000	1.56000	1.30000	2.25000
## [7045]	NA	NA	3.06000	2.16000	4.20000	3.60000
## [7051]	4.83000	0.72000	3.23000	0.90000	0.25000	0.24000
## [7057]	4.60000	3.80000	3.00000	3.57000	3.57000	3.61000
## [7063]	7.29000	6.25000	7.13000	5.29000	3.80000	2.72000
## [7069]	3.00000	1.96000	4.41000	14.06000	16.00000	25.50000
## [7075]	27.00000	28.05000	3.23000	3.23000	6.75000	10.44000
## [7081]	8.84000	3.30000	3.78000	5.04000	4.20000	5.50000
## [7087]	21.93000	24.48000	31.90000	28.60000	20.24000	33.04000
## [7093]	28.56000	41.54000	38.28000	28.50000	16.17000	8.64000
## [7099]	18.06000	21.78000	21.56000	5.40000	5.72000	6.00000
## [7105]	6.00000	4.56000	17.55000	19.80000	25.97000	22.88000
## [7111]	14.76000	14.40000	11.16000	19.80000	19.20000	20.24000
## [7117]	14.04000	12.21000	NA	21.12000	24.50000	5.94000
## [7123]	5.32000	6.96000	NA	NA	16.56000	16.78900
## [7129]	21.62000	21.50000	18.00000	19.50000	40.56000	29.58000
## [7135]	21.93000	27.50000	8.10000	24.42000	12.09000	14.00000
## [7141]	11.88000	5.04000	6.75000	6.16000	8.70000	6.76000
## [7147]	8.68000	10.88000	14.28000	19.78000	16.40000	3.80000
## [7153]	7.54000	10.08000	14.70000	22.50000	6.75000	7.83000
## [7159]	7.54000	7.20000	5.29000	24.36000	20.80000	33.00000
## [7165]	35.64000	33.63000	8.23500	14.63000	16.40000	20.64000
## [7171]	30.60000	1.44000	1.56000	1.20000	0.72000	0.48000
## [7177]	0.63000	1.82000	0.56000	1.56000	1.17000	4.83000
## [7183]	1.62500	3.60000	6.21000	1.43000	3.89500	1.56000
## [7189]	2.21000	2.89000	1.68000	3.23000	0.56000	1.12500
## [7195]	1.43000	0.40000	1.82000	1.72500	1.56000	1.56000
## [7201]	1.10000	4.93500	3.80000	5.28000	3.42000	6.24000
## [7207]	0.31500	0.39000	0.35750	0.54000	1.21000	1.80000
## [7213]	0.28750	1.15500	NA	NA	1.56000	4.93500
## [7219]	1.82000	4.20000	0.77000	1.68000	0.95000	1.32000
## [7225]	3.20000	NA	1.80000	0.68000	6.50000	5.52000
## [7231]	7.00000	4.62000	1.56000	1.54000	2.60000	2.60000
## [7237]	2.38000	2.10000	7.36000	3.60000	3.99000	0.72000
## [7243]	0.18000	2.72000	5.98000	12.48000	0.80000	0.22500
## [7249]	NA	0.90000	2.52000	2.59000	3.15000	3.57000
## [7255]	4.68000	3.00000	4.27500	5.04000	5.04000	5.52000
## [7261]	2.88000	4.80000	5.28000	3.80000	6.50000	4.20000
## [7267]	1.56000	0.59500	NA	6.51000	5.00000	18.50000

```
## [7273] 19.80000 23.00000 36.60000 31.92000 14.06000 17.02000
## [7279] 18.48000 18.72000 27.44000 19.74000 20.80000 34.30000
## [7285] 28.00000 28.56000 14.19000 21.60000 21.42000 31.62000
## [7291] 41.58000 11.90000 12.54000 13.44000 19.68000 14.80000
## [7297] 15.96000 18.04000 23.50000 10.54000 24.99000 8.00000
## [7303] 10.88000 18.13000 14.40000 9.92000 6.40000 4.20000
## [7309] 5.29000 22.08000 23.10000 10.23000 12.92000 23.00000
## [7315] 16.40000 24.20000 13.94000 12.21000 13.30000 20.21000
## [7321] 20.58000 22.08000 24.44000 25.50000 35.51000 38.43000
## [7327] 26.00000 14.06000 12.88000 23.10000 26.88000 19.00000
## [7333] 14.06000 26.79000 12.90000 17.22000 8.00000 4.50000
## [7339] 8.91000 11.88000 11.55000 18.40000 22.05000 31.20000
## [7345] 26.50000 23.76000 6.00000 6.72000 12.60000 17.10000
## [7351] 19.32000 19.80000 24.00000 30.68000 23.00000 33.60000
## [7357] 17.22000 20.14000 28.02500 36.60000 42.88000 25.97000
## [7363] 25.37000 28.32000 29.68000 27.56000 10.56000 6.75000
## [7369] 9.80000 20.58000 27.00000 2.52000 10.08000 19.78000
## [7375] 18.06000 21.32000 1.35000 0.88000 2.38000 1.50000
## [7381] 2.08000 1.82000 2.55000 3.15000 4.83000 4.40000
## [7387] 6.24000 18.00000 11.34000 21.50000 16.77000 8.64000
## [7393] 10.54000 11.48000 27.50000 28.32000 0.63000 4.10000
## [7399] 1.25000 1.82000 1.56000 3.80000 7.00000 4.32000
## [7405] 6.25000 1.68000 2.94000 2.31000 4.50000 7.50000
## [7411] 15.17000 0.96000 1.10500 1.08000 NA NA
## [7417] 2.40000 1.43000 2.94000 5.75000 5.40500 1.80000
## [7423] 1.82000 1.81250 1.92000 5.52000 2.47000 4.83000
## [7429] 6.11000 7.83000 6.30000 3.89500 6.50000 4.00000
## [7435] 6.48000 6.48000 2.10000 2.21000 2.94500 4.20000
## [7441] 4.41000 3.80000 3.51500 5.50000 6.44000 7.50000
## [7447] 3.84000 4.00000 3.80000 NA NA 6.00000
## [7453] 13.68000 12.92000 12.71000 13.32000 3.04000 3.60000
## [7459] 3.60000 2.75200 4.14000 1.32000 2.03000 2.52000
## [7465] 2.89000 5.80000 1.08000 1.89000 1.43000 3.44000
## [7471] 2.99000 29.50000 33.48000 43.12000 55.20000 30.49800
## [7477] 5.13000 12.54000 25.80000 14.80000 19.08000 5.89000
## [7483] 6.00000 5.06000 12.30000 10.08000 31.32000 4.62000
## [7489] 23.80000 21.35000 31.90000 6.44000 1.80000 39.06000
## [7495] NA NA 2.73000 6.24000 18.48000 3.80000
## [7501] 26.40000 27.36000 10.85000 24.48000 15.17000 18.48000
## [7507] NA 62.48000
```

```
trees$canopy_area <- canopy_area
print(trees)
```

```
## # A tibble: 7,508 x 17
```

```
## SURVEY YEAR SITE TREATMENT BLOCK PLOT SPECIES ORIGI~1 NEW_TAG DEAD HEIGHT
## <dbl> <dbl> <chr> <chr> <dbl> <chr> <chr> <dbl> <dbl> <chr> <dbl>
## 1 1 2009 SOUTH TOTAL 2 S2T0~ Acacia~ 1 NA N 3.4
## 2 2 2010 SOUTH TOTAL 2 S2T0~ Acacia~ 1 NA N 3.32
## 3 3 2011 SOUTH TOTAL 2 S2T0~ Acacia~ 1 NA N 3.65
## 4 4 2012 SOUTH TOTAL 2 S2T0~ Acacia~ 1 NA N 3.74
## 5 5 2013 SOUTH TOTAL 2 S2T0~ Acacia~ 1 NA N 3.59
## 6 1 2009 SOUTH TOTAL 2 S2T0~ Acacia~ 2 NA N 2.3
## 7 2 2010 SOUTH TOTAL 2 S2T0~ Acacia~ 2 NA N 2.32
```

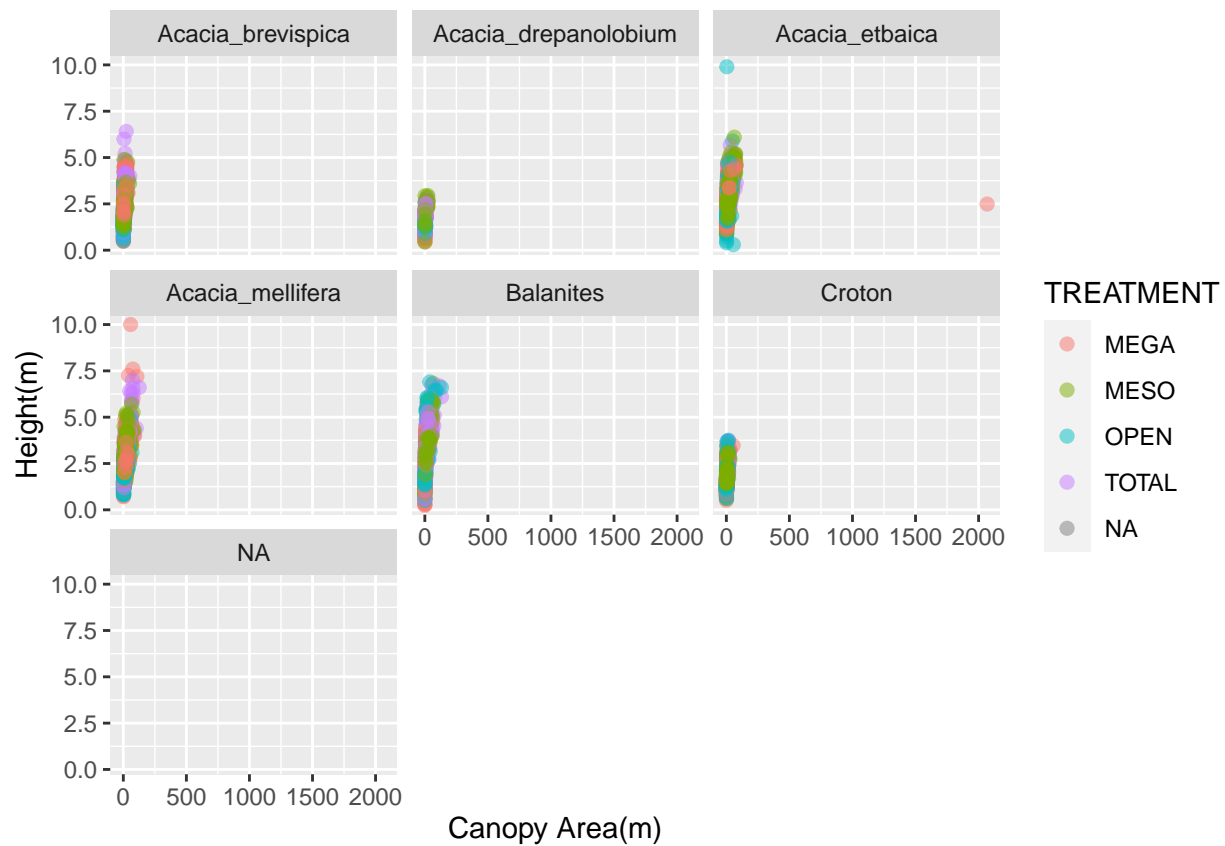


```
## 8      3  2011 SOUTH TOTAL      2 S2T0~ Acacia~      2      NA N      2.75
## 9      4  2012 SOUTH TOTAL      2 S2T0~ Acacia~      2      NA Y      NA
## 10     5  2013 SOUTH TOTAL      2 S2T0~ Acacia~      2      NA N      2.86
## # ... with 7,498 more rows, 6 more variables: AXIS_1 <dbl>, AXIS_2 <dbl>,
## # CIRC <dbl>, MEASUREMENT <chr>, STEMS <chr>, canopy_area <dbl>, and
## # abbreviated variable name 1: ORIGINAL_TAG
```

```
trees2 <- data.frame(SURVEY = trees$SURVEY,
                     YEAR = trees$YEAR,
                     SITE = trees$SITE,
                     Canopy_Area = trees$canopy_area)
```

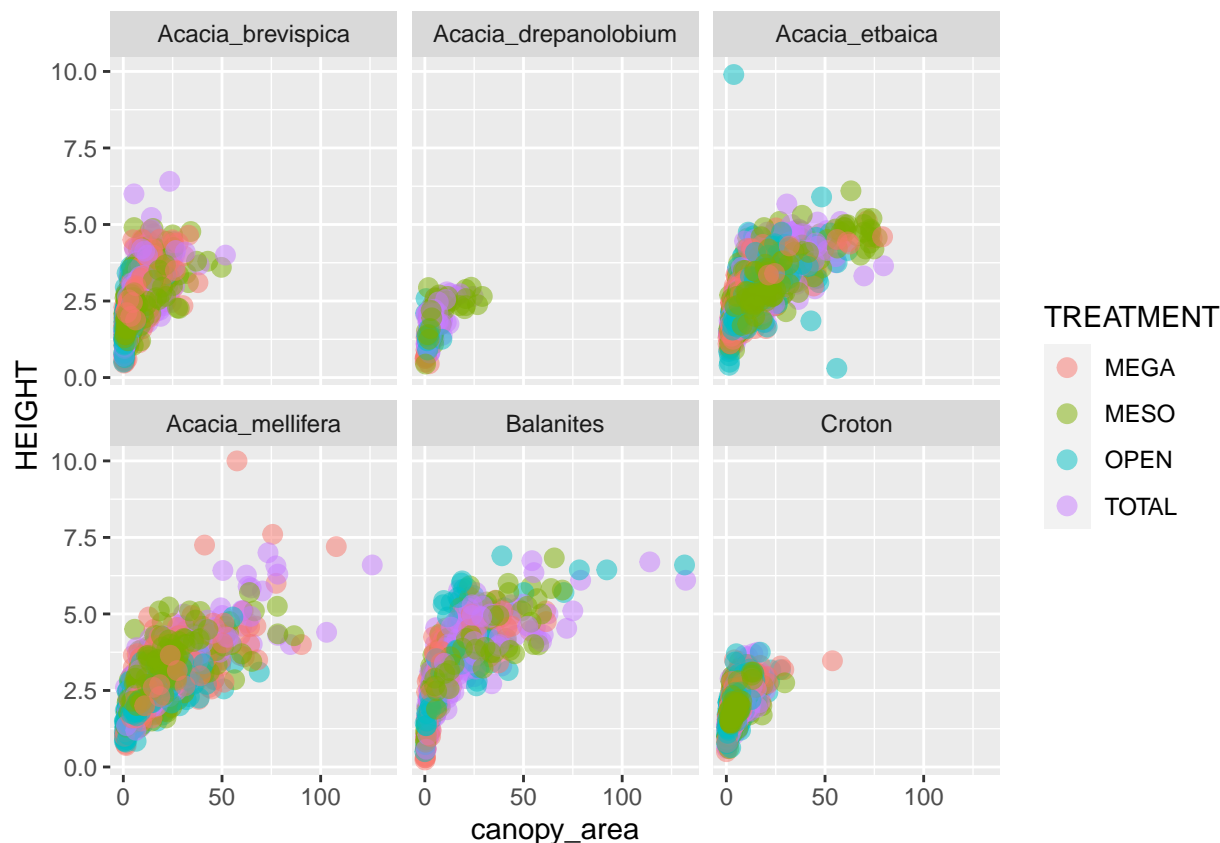
```
ggplot(data = trees, mapping = aes(x = canopy_area, y = HEIGHT, color = TREATMENT)) + geom_point(size =
```

```
## Warning: Removed 215 rows containing missing values (geom_point).
```



```
FixedTree <- subset(trees, canopy_area <= 400)
```

```
ggplot(data = FixedTree, mapping = aes(x = canopy_area, y = HEIGHT, color = TREATMENT)) + geom_point(siz
```



```
library(ggplot2)
```

```
str(trees)
```

```
## spec_tbl_df [7,508 x 17] (S3: spec_tbl_df/tbl_df/tbl/data.frame)
## $ SURVEY      : num [1:7508] 1 2 3 4 5 1 2 3 4 5 ...
## $ YEAR       : num [1:7508] 2009 2010 2011 2012 2013 ...
## $ SITE       : chr [1:7508] "SOUTH" "SOUTH" "SOUTH" "SOUTH" ...
## $ TREATMENT  : chr [1:7508] "TOTAL" "TOTAL" "TOTAL" "TOTAL" ...
## $ BLOCK      : num [1:7508] 2 2 2 2 2 2 2 2 2 2 ...
## $ PLOT       : chr [1:7508] "S2TOTAL" "S2TOTAL" "S2TOTAL" "S2TOTAL" ...
## $ SPECIES    : chr [1:7508] "Acacia_etbaica" "Acacia_etbaica" "Acacia_etbaica" "Acacia_etbaica" ..
## $ ORIGINAL_TAG: num [1:7508] 1 1 1 1 1 2 2 2 2 2 ...
## $ NEW_TAG    : num [1:7508] NA NA NA NA NA NA NA NA NA NA ...
## $ DEAD       : chr [1:7508] "N" "N" "N" "N" ...
## $ HEIGHT     : num [1:7508] 3.4 3.32 3.65 3.74 3.59 2.3 2.32 2.75 NA 2.86 ...
## $ AXIS_1     : num [1:7508] 6.1 8.25 8.85 5.5 5 2.2 2.75 3.3 NA 3.7 ...
## $ AXIS_2     : num [1:7508] 5 8.45 9 7.1 8.15 2.8 2.65 3.8 NA 2.6 ...
## $ CIRC       : num [1:7508] 37.8 18.8 57 60 55 14.2 18.4 25 NA 31 ...
## $ MEASUREMENT: chr [1:7508] "D" "D" "C" "C" ...
## $ STEMS      : chr [1:7508] "1" "1" "1" "1" ...
## $ canopy_area: num [1:7508] 30.5 69.7 79.6 39 40.8 ...
## - attr(*, "spec")=
## .. cols(
## .. SURVEY = col_double(),
```

```
## .. YEAR = col_double(),
## .. SITE = col_character(),
## .. TREATMENT = col_character(),
## .. BLOCK = col_double(),
## .. PLOT = col_character(),
## .. SPECIES = col_character(),
## .. ORIGINAL_TAG = col_double(),
## .. NEW_TAG = col_double(),
## .. DEAD = col_character(),
## .. HEIGHT = col_double(),
## .. AXIS_1 = col_double(),
## .. AXIS_2 = col_double(),
## .. CIRC = col_double(),
## .. MEASUREMENT = col_character(),
## .. STEMS = col_character()
## .. )
## - attr(*, "problems")=<externalptr>
```

```
is.numeric(trees$CIRC)
```

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

```
is.numeric(trees$HEIGHT)
```

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

```
ggplot() + geom_point(data = trees, mapping = aes(x = CIRC, y = HEIGHT), color = "gray", alpha = 0.5) +
geom_point(data = ACACIA, mapping = aes(x = CIRC, y = HEIGHT), color = "red", alpha = 0.8) +
scale_x_log10() +
scale_x_log10() +
geom_smooth(data = trees, mapping = aes(x = CIRC, y = HEIGHT), method = "glm") +
geom_smooth(data = ACACIA, mapping = aes(x = CIRC, y = HEIGHT), method = "glm")
```

```
## Scale for 'x' is already present. Adding another scale for 'x', which will
## replace the existing scale.
```

```
## 'geom_smooth()' using formula 'y ~ x'
```

```
## Warning: Removed 414 rows containing non-finite values (stat_smooth).
```

```
## 'geom_smooth()' using formula 'y ~ x'
```

```
## Warning: Removed 4 rows containing non-finite values (stat_smooth).
```

```
## Warning: Removed 414 rows containing missing values (geom_point).
```

```
## Warning: Removed 4 rows containing missing values (geom_point).
```

